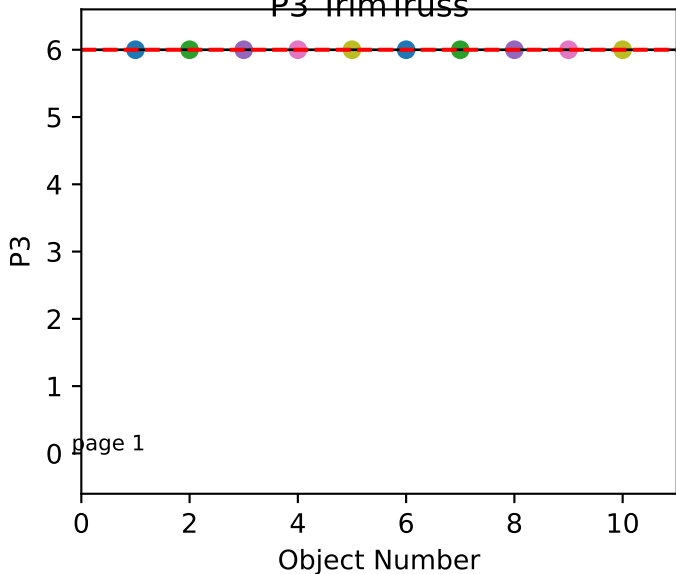


Phenotype Data Analysis Plots
PhenoData day range = 5 - 69
Analysis cutoff day = 69
NC11 P3
2025-06-14 (Day 70)

TrussNodeMaxPerStem (Def=6.0 Set=6)

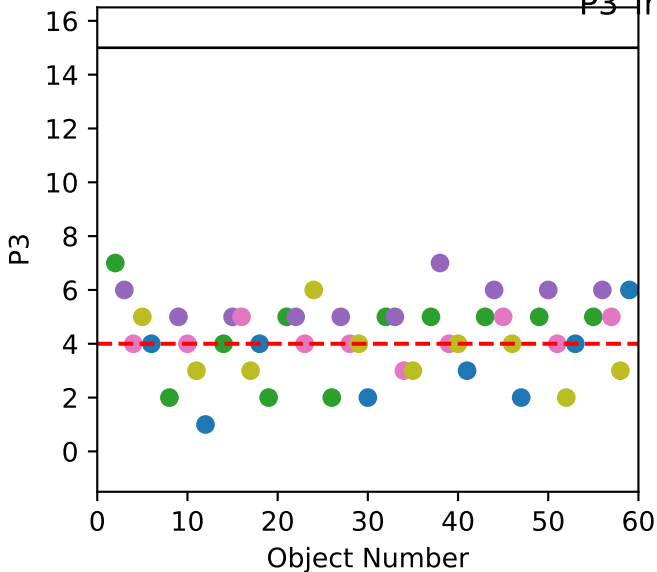
avg1=6.0~0% avg2=na

p3 Trim Truss

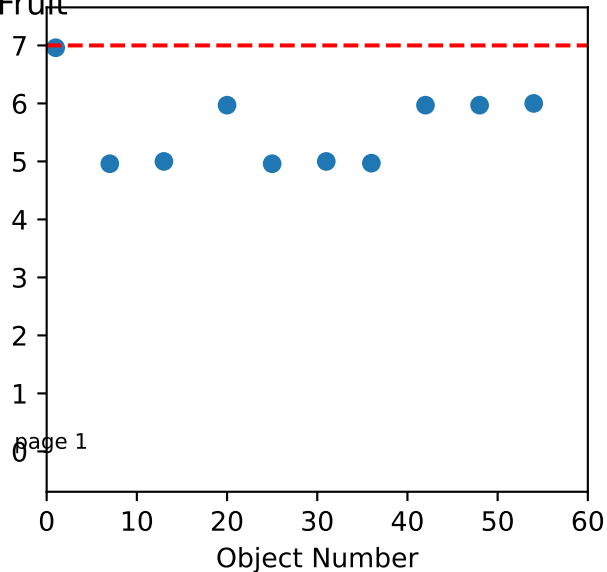


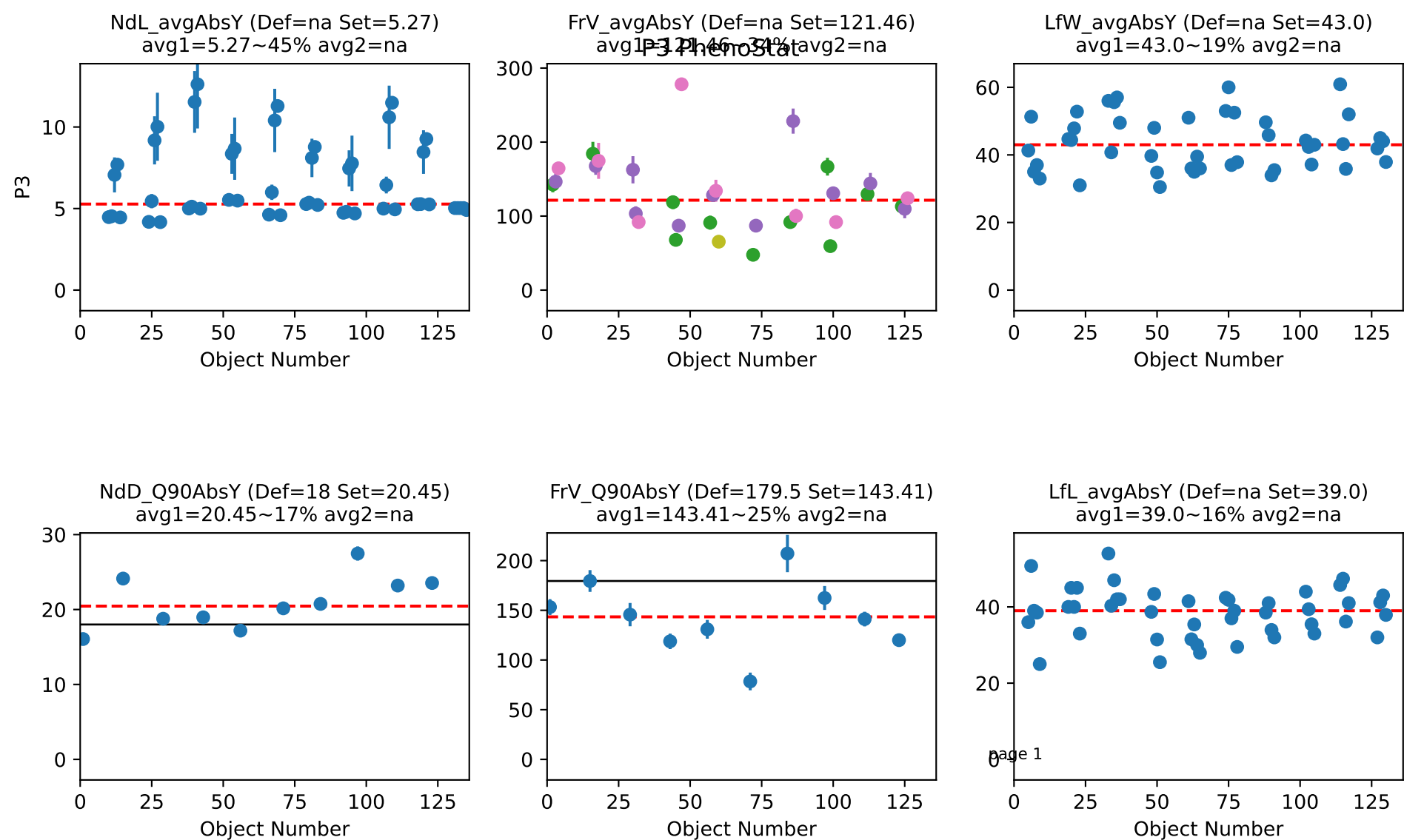
page 1

FruitNumAvgPerTruss (Def=15 Set=4)
avg1=4.0~35% avg2=na

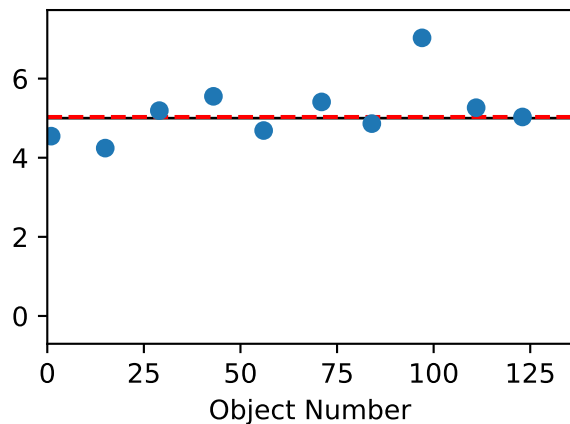


FruitNumMaxPerTruss (Def=na Set=7)
avg1=7.0~11% avg2=na

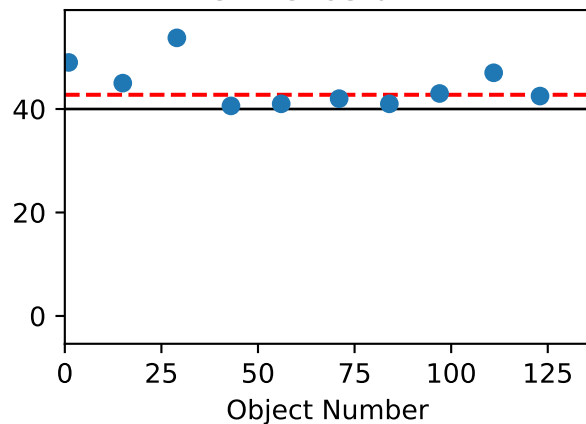




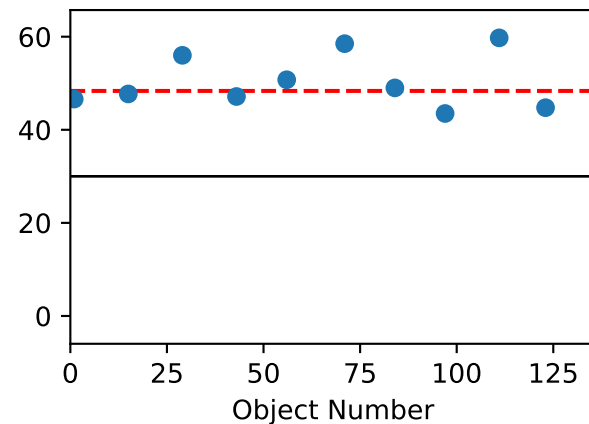
NdL_Q90AbsY (Def=5 Set=5.03)
avg1=5.03~9% avg2=na



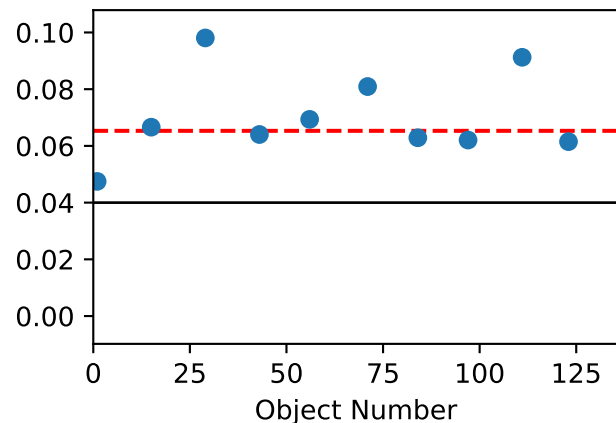
LfL_Q90AbsY (Def=40 Set=42.75)
avg1=42.75~19% avg2=na



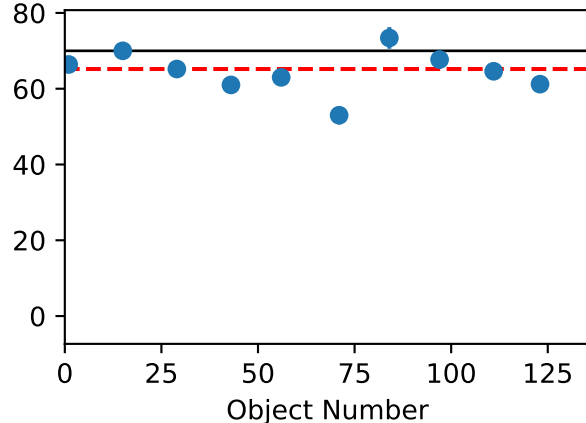
LfW_Q90AbsY (Def=30 Set=48.35)
avg1=48.35~12% avg2=na



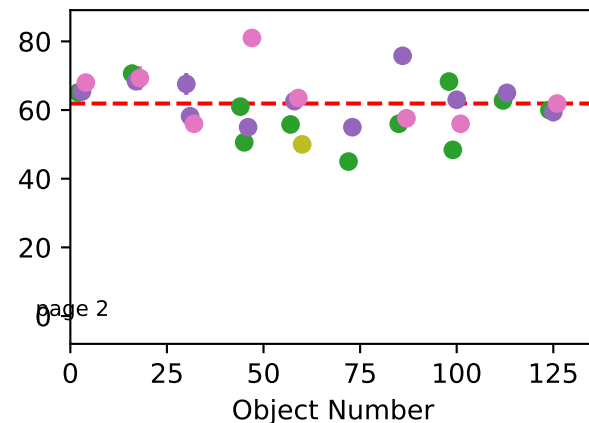
LfA_Q90AbsY (Def=0.04 Set=0.07)
avg1=0.07~23% avg2=na



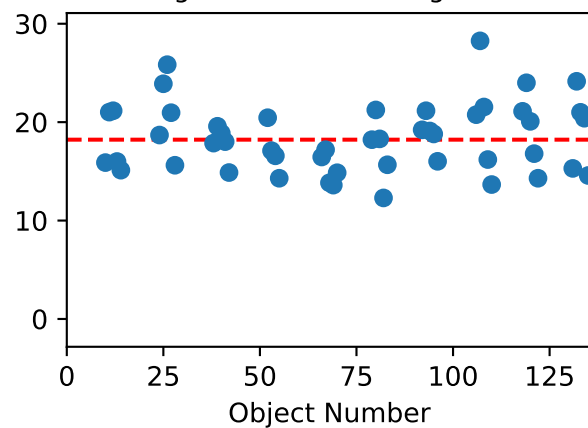
FrD_Q90AbsY (Def=70 Set=65.2)
avg1=65.2~6% avg2=na



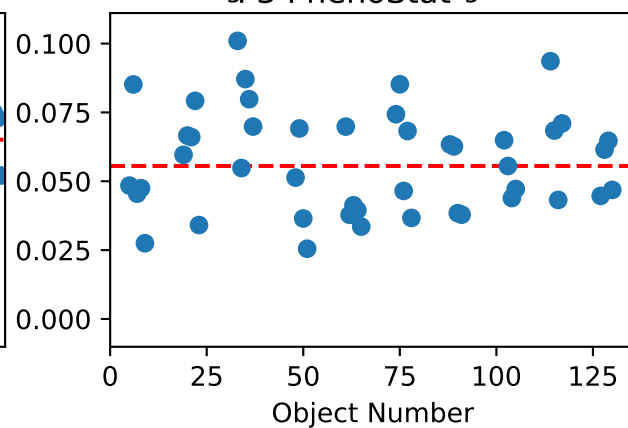
FrD_avgAbsY (Def=na Set=61.9)
avg1=61.9~13% avg2=na



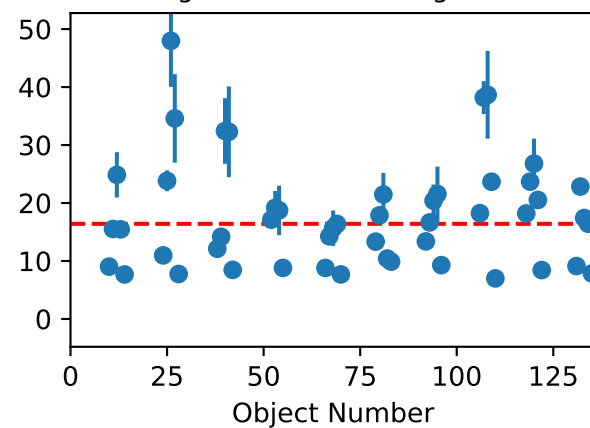
NdD_avgAbsY (Def=na Set=18.22)
avg1=18.22~19% avg2=na



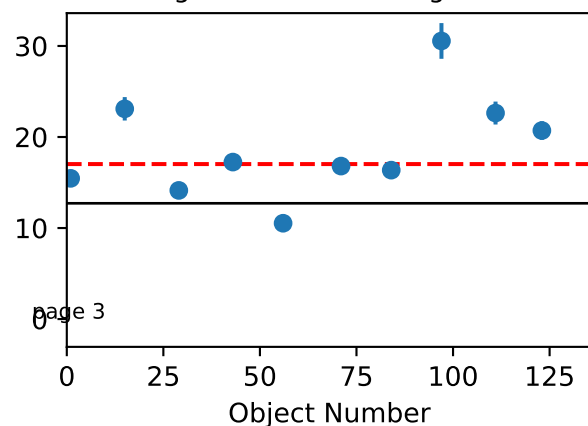
LfA_avgAbsY (Def=na Set=0.06)
avg1=0.06~33% avg2=na



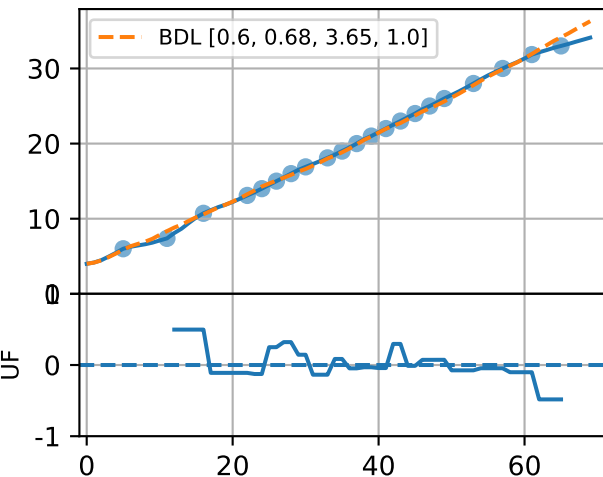
NdV_avgAbsY (Def=na Set=16.41)
avg1=16.41~50% avg2=na



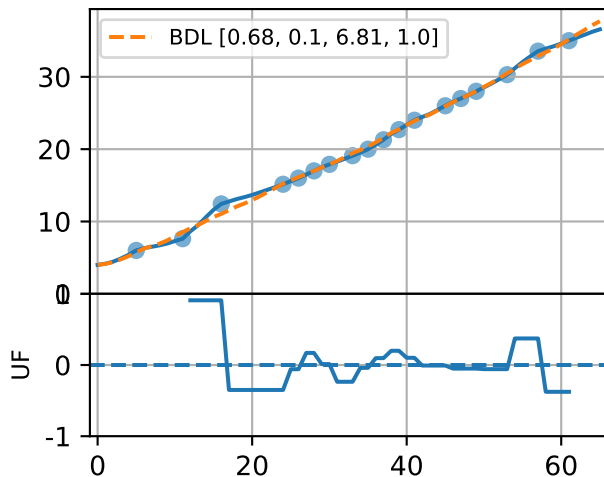
NdV_Q90AbsY (Def=12.72 Set=17.03)
avg1=17.03~33% avg2=na



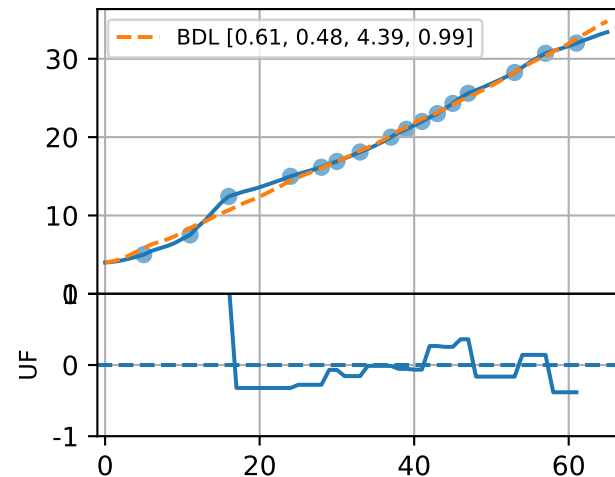
P3-009-13 (fit failed)



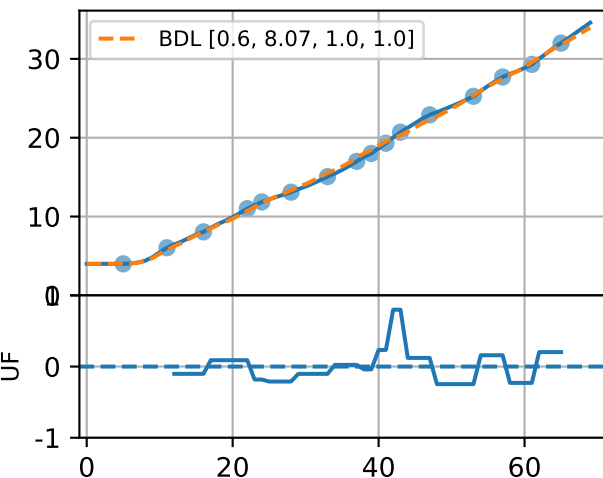
P3-021-19 (fit failed)



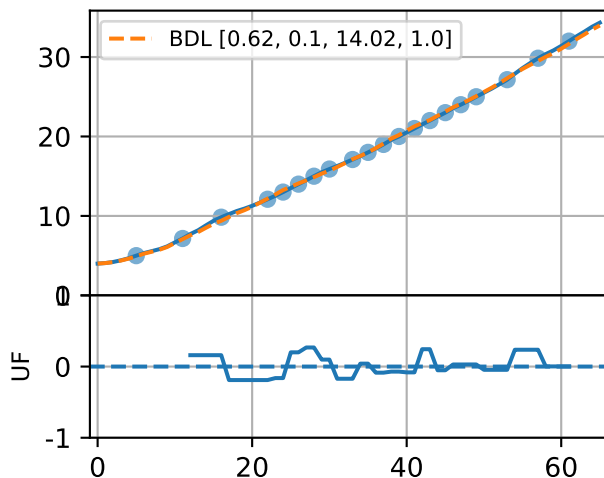
P3-034-5 (fit failed)



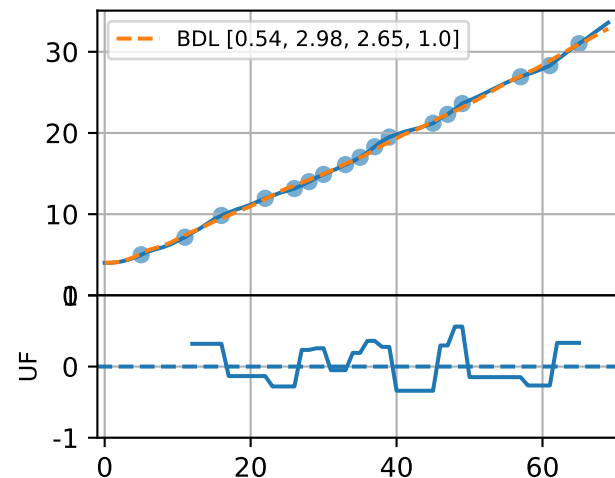
P3-045-17 (fit failed)



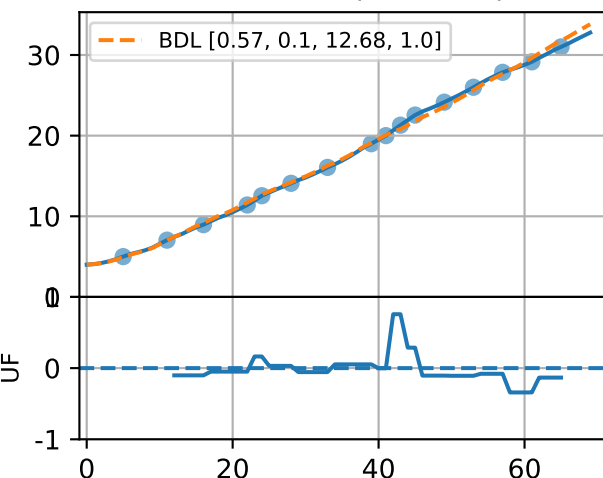
P3-054-28 (fit failed)



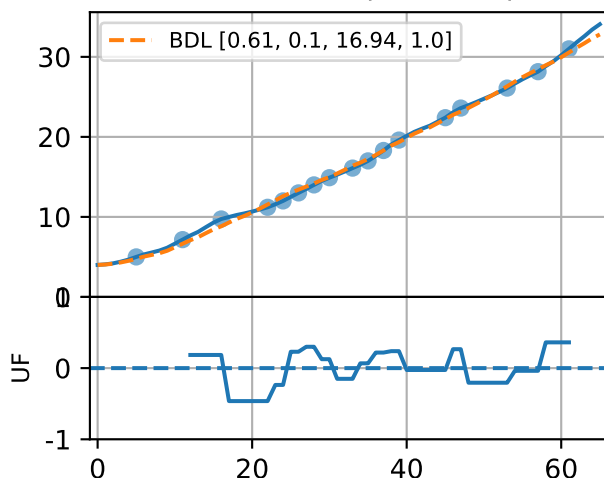
P3-068-4 (fit failed)



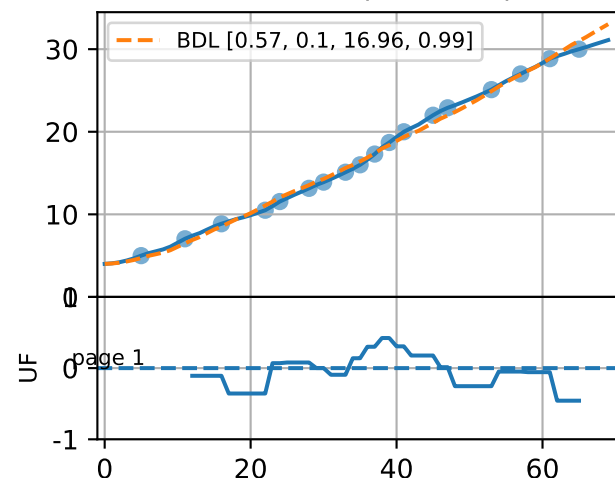
P3-075-19 (fit failed)



P3-084-11 (fit failed)

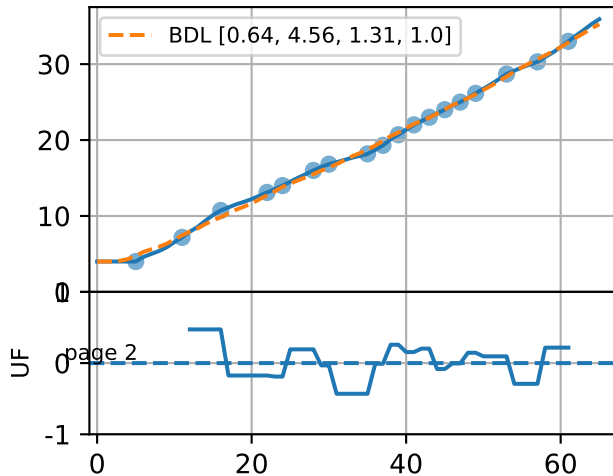


P3-099-4 (fit failed)



P3-110-23 (fit failed)

NdN



P3avg (fit failed)

NaN

BDL [0.59, 3.34, 2.66, 1.0]

UF

page 1

0

20

40

60

30

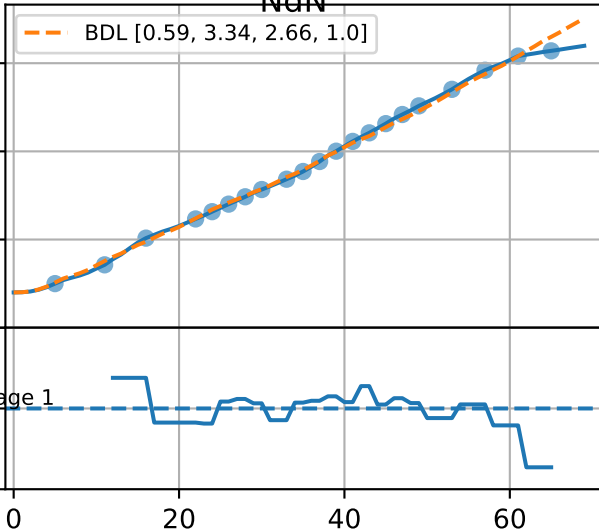
20

10

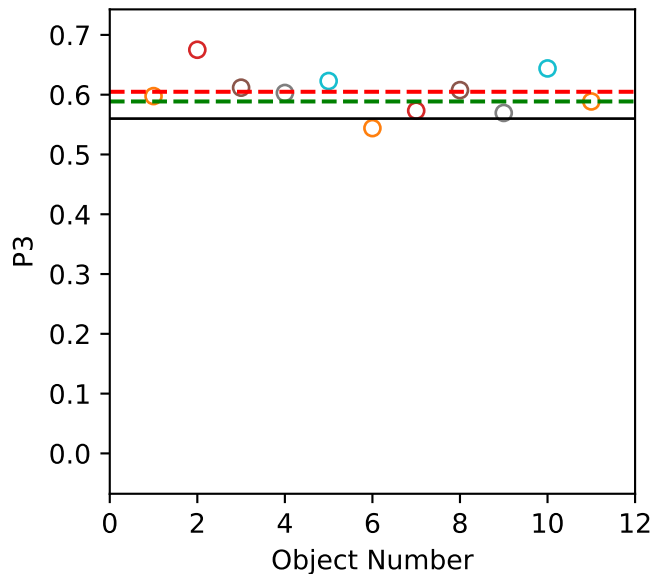
0

0

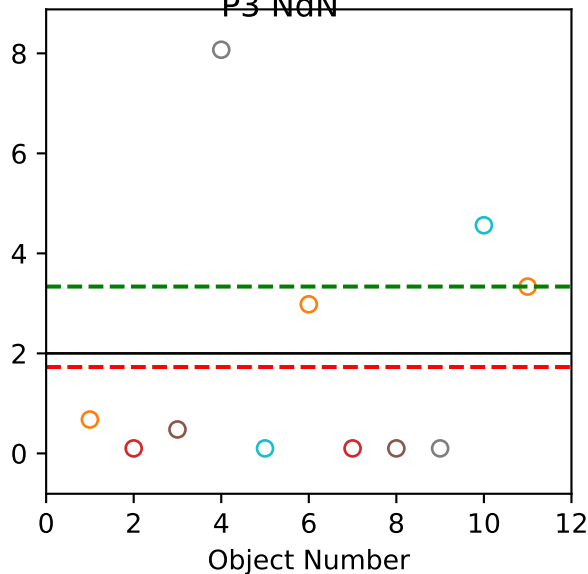
-1



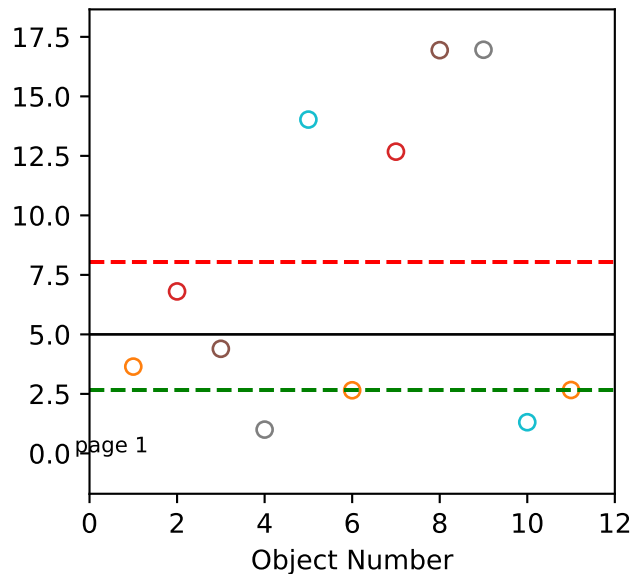
a (Def=0.56 Set=0.59)
avg1=0.6(fail) avg2=0.59



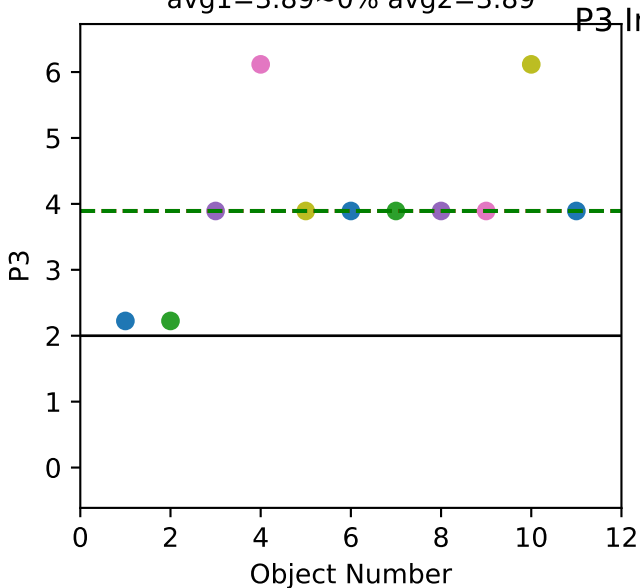
dm (Def=2 Set=3.34)
avg1=1.73(fail) avg2=3.34



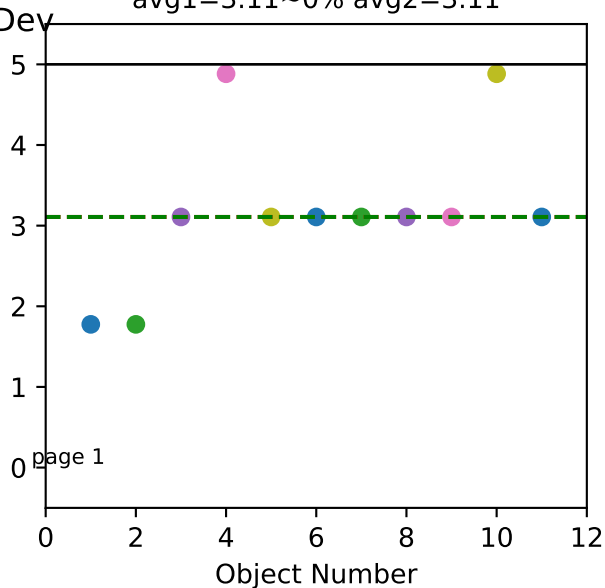
de (Def=5 Set=2.66)
avg1=8.04(fail) avg2=2.66



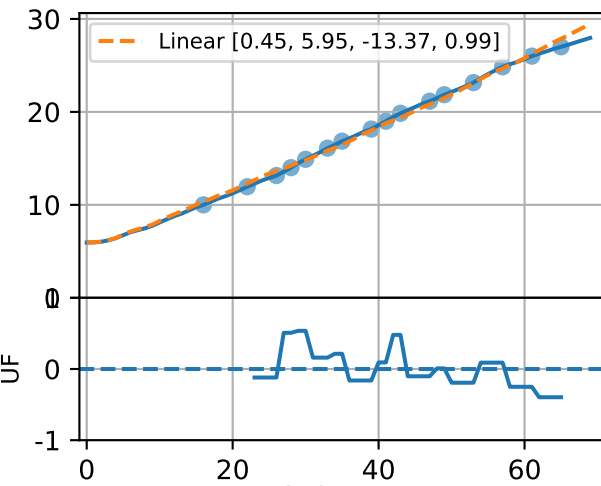
InitDev_dm (Def=2 Set=3.89)
avg1=3.89~0% avg2=3.89



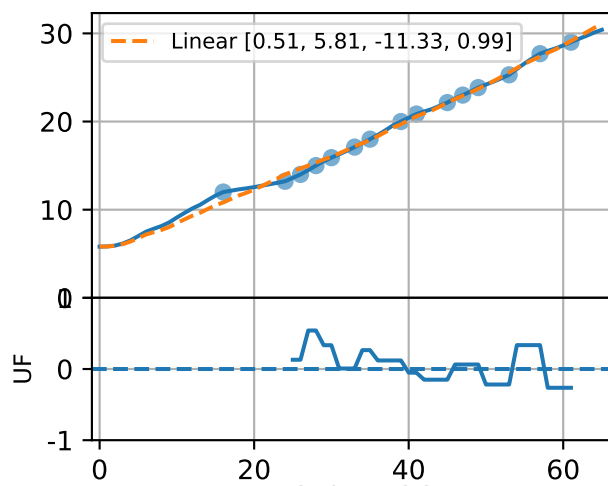
InitDev_de (Def=5 Set=3.11)
avg1=3.11~0% avg2=3.11



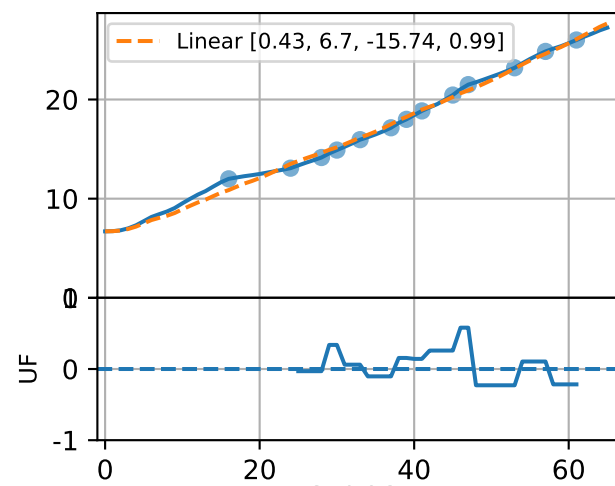
P3-009-13



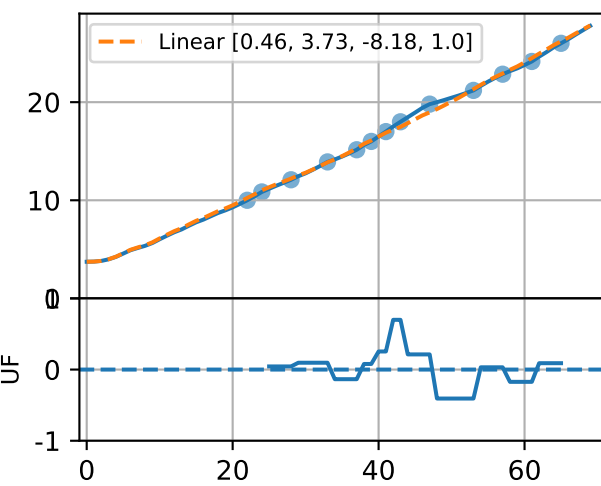
P3-021-19



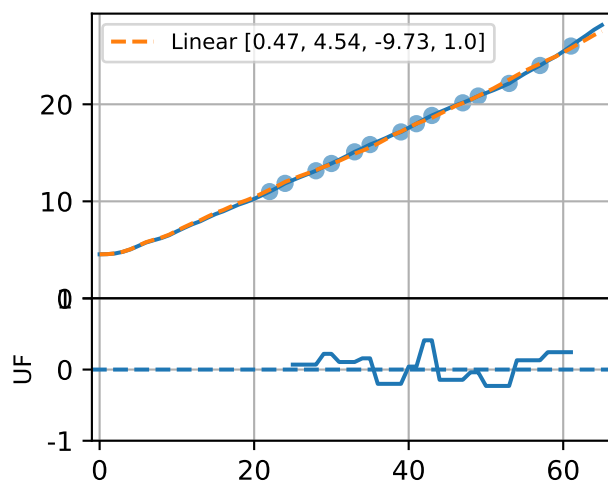
P3-034-5



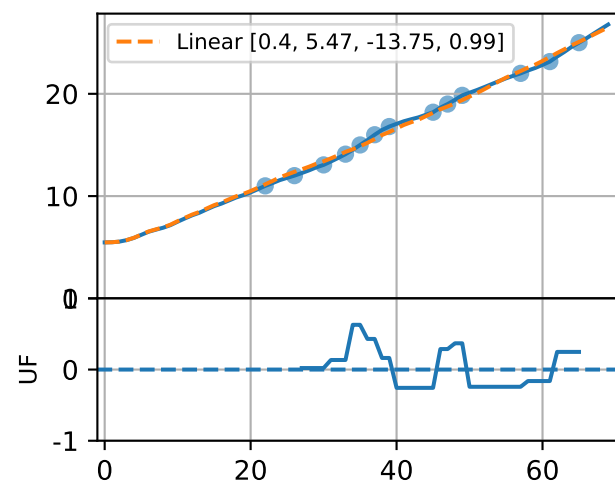
P3-045-17



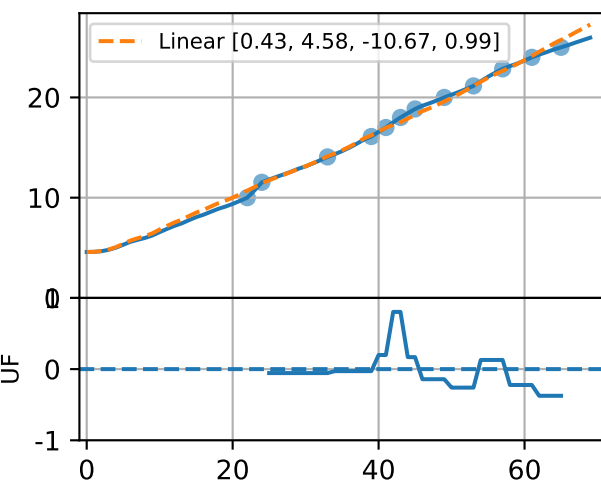
P3-054-28



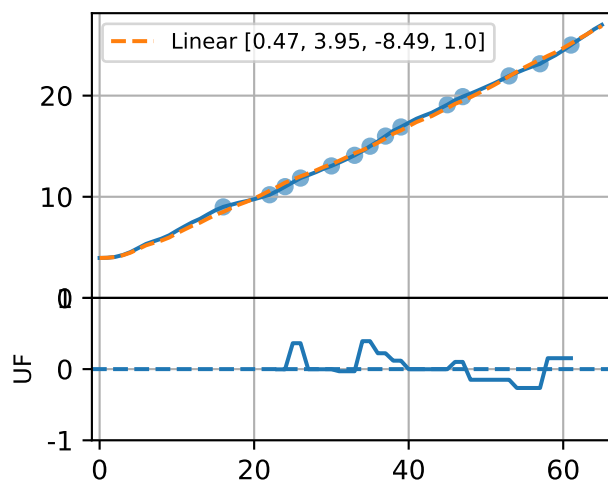
P3-068-4



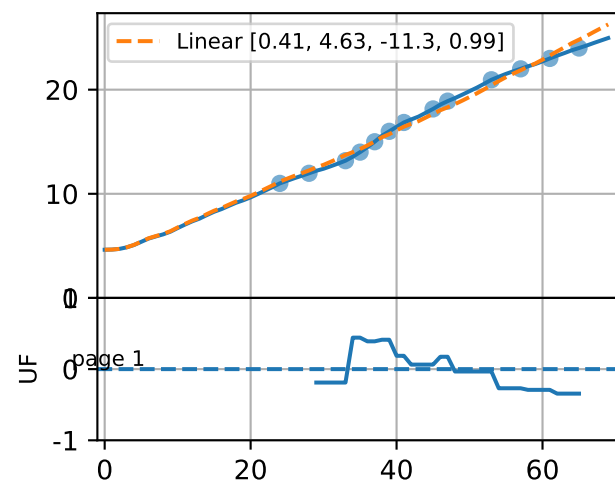
P3-075-19



P3-084-11

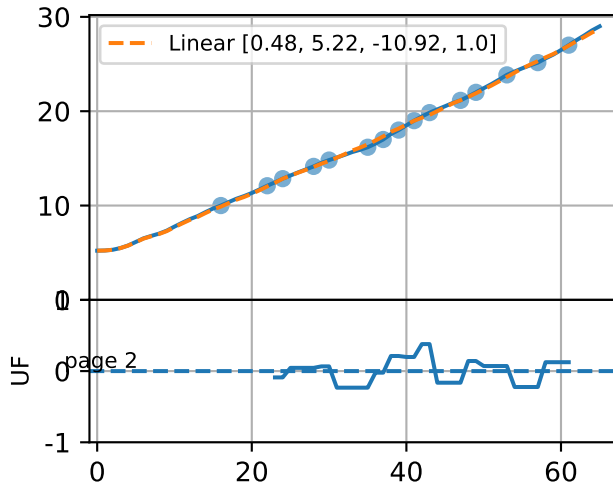


P3-099-4



P3-110-23

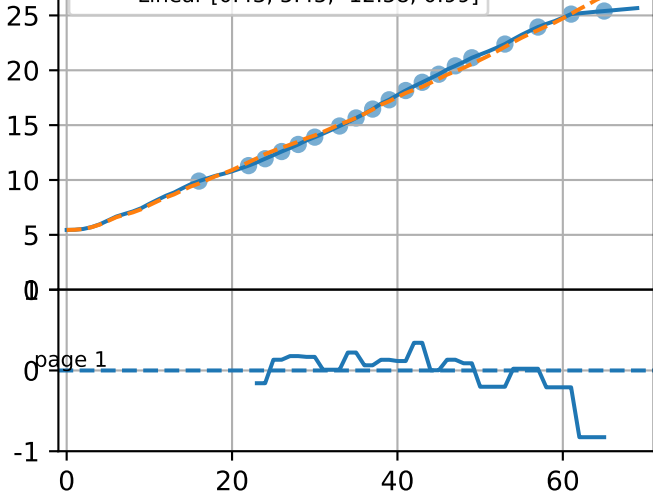
LfN



P3avg
LfN

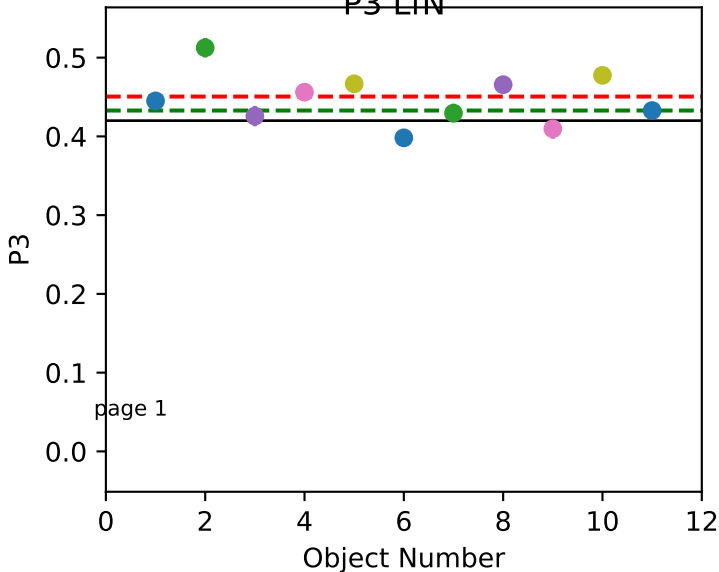
Linear [0.43, 5.45, -12.58, 0.99]

UF
page 1

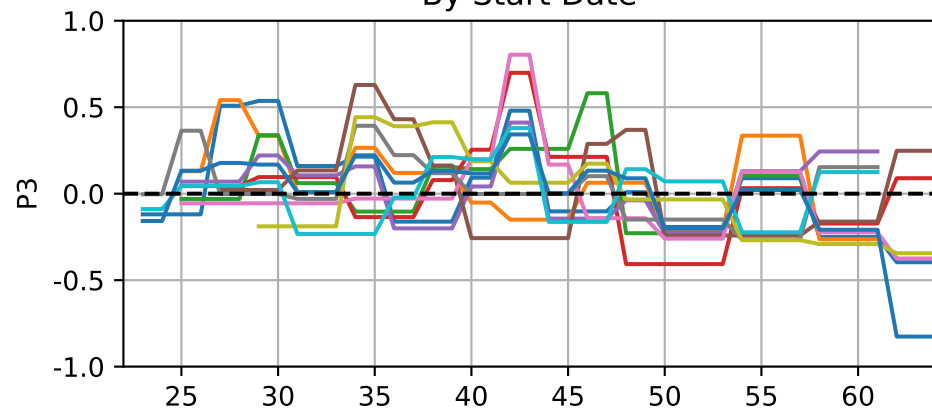


a (Def=0.42 Set=0.43)
avg1=0.45~8% avg2=0.43~7%

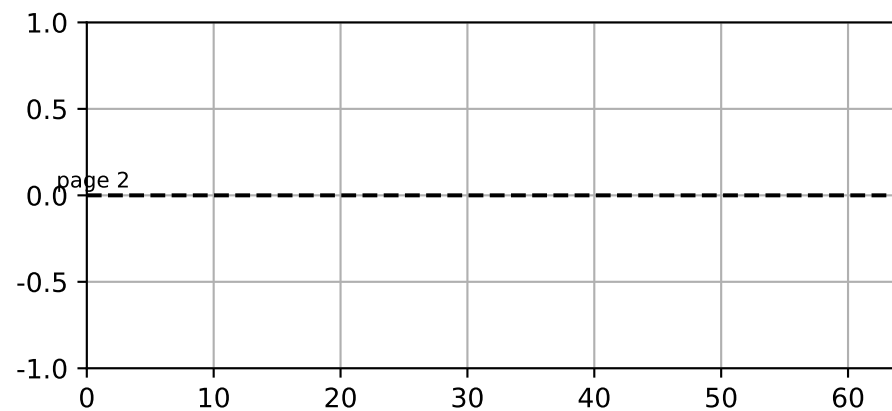
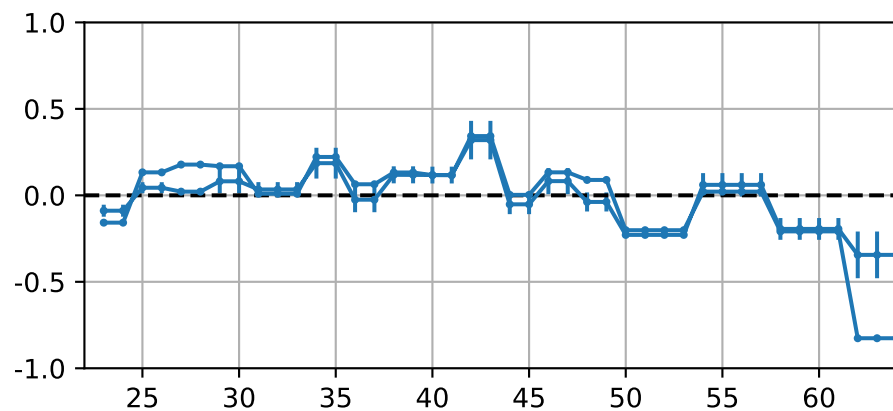
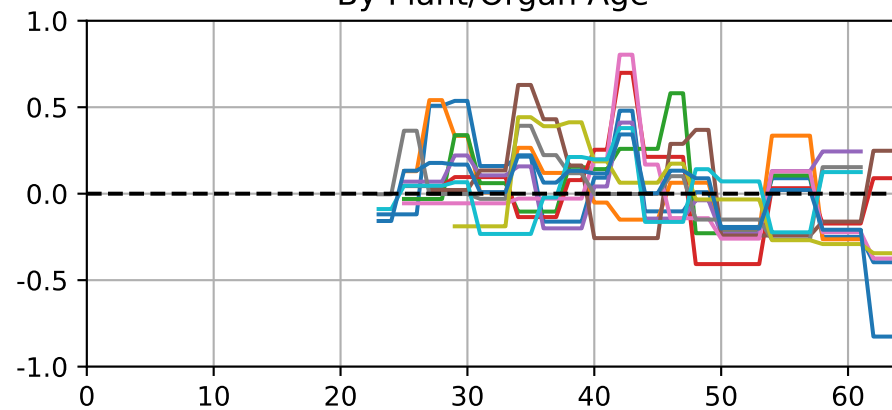
P3 LfN



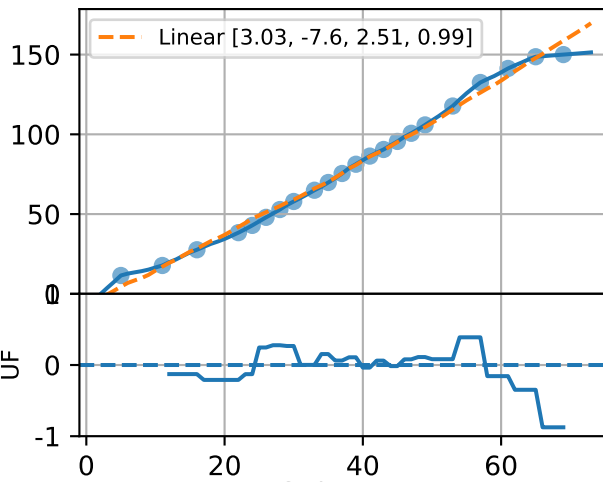
By Start Date



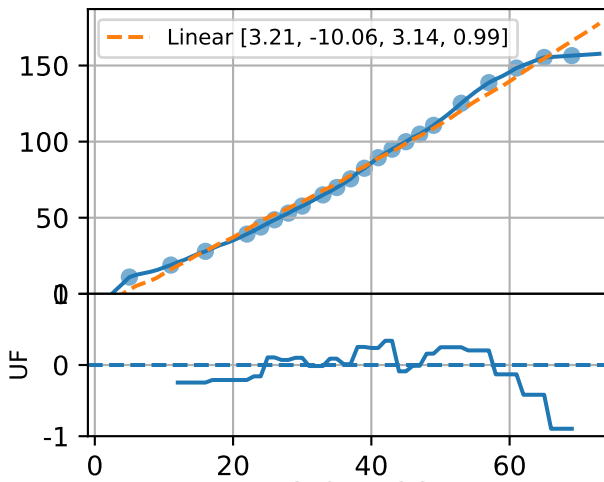
By Plant/Organ Age



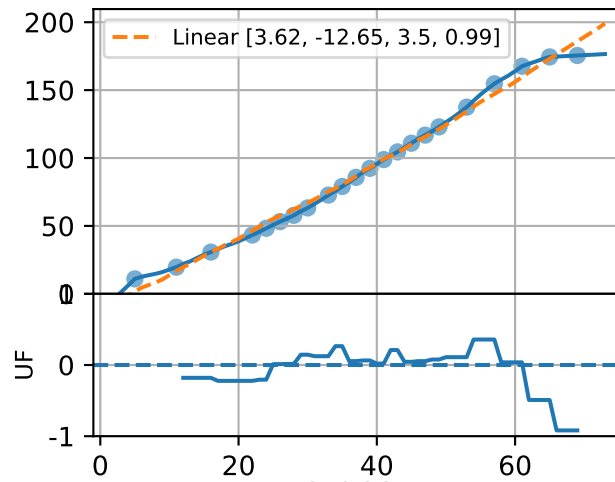
P3-009-13



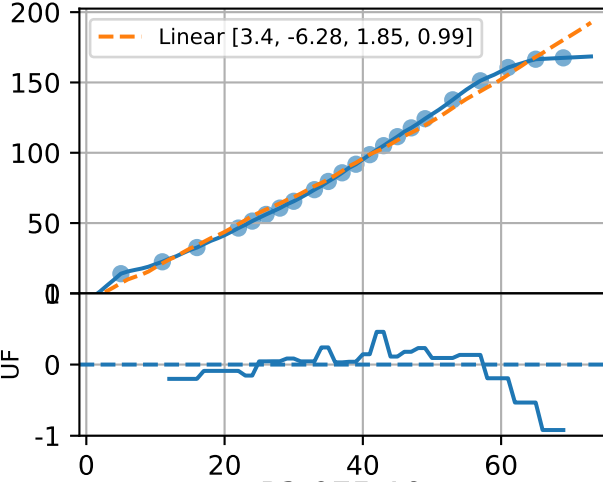
P3-021-19



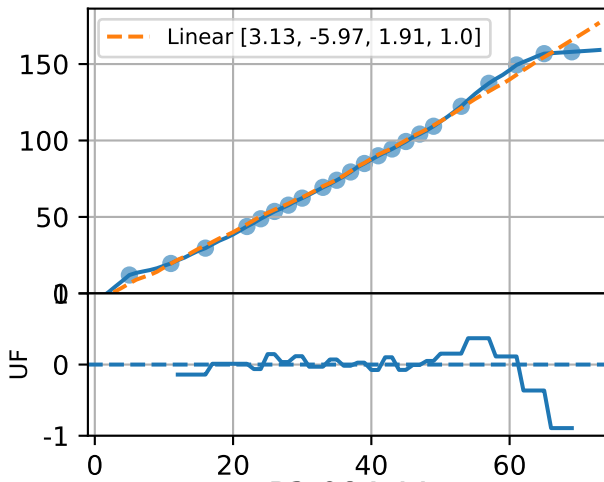
P3-034-5



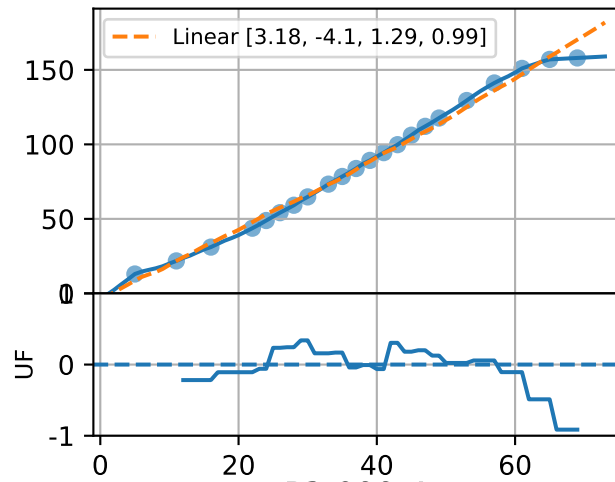
P3-045-17



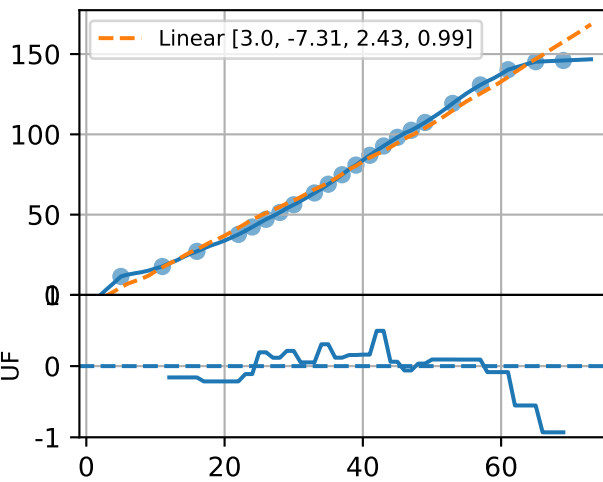
P3-054-28



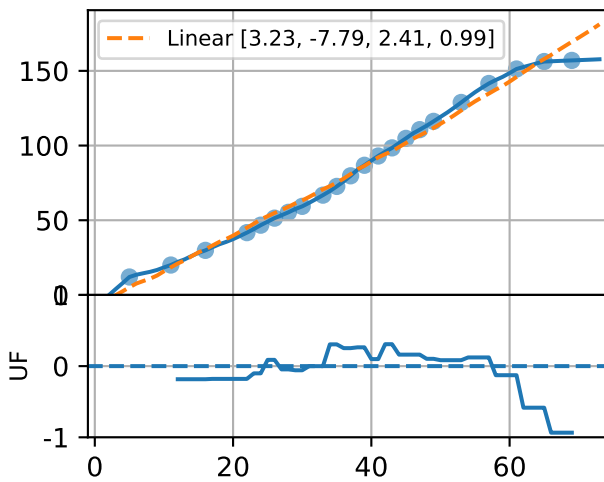
P3-068-4



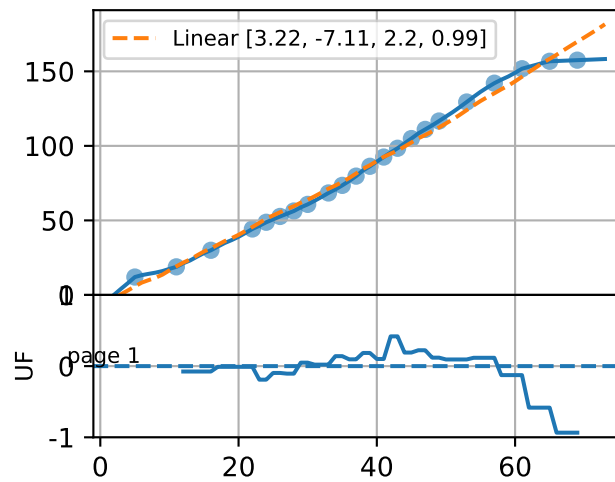
P3-075-19



P3-084-11

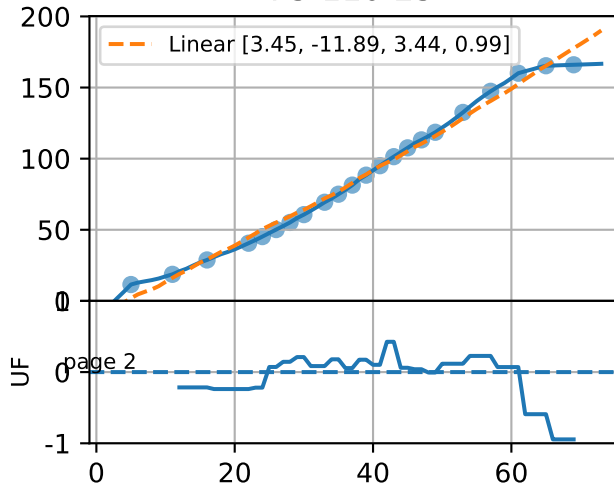


P3-099-4



P3-110-23

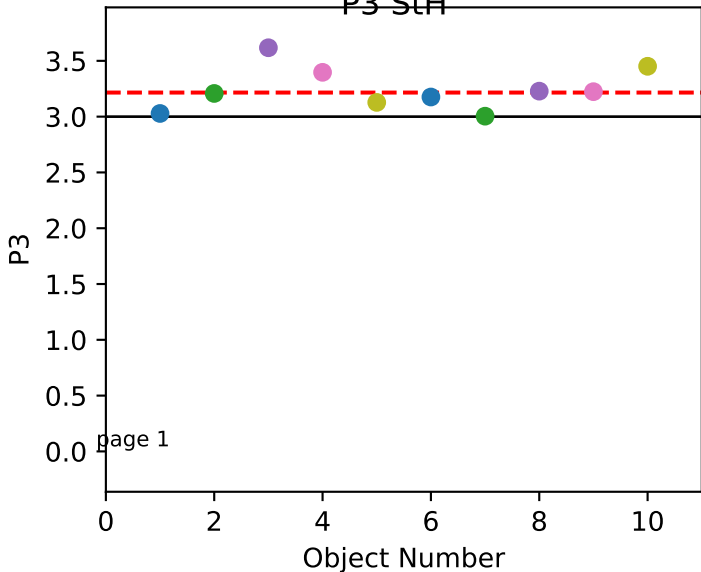
StH



page 2

a (Def=3 Set=3.22)
avg1=3.22~6% avg2=na

p3 StH



0

2

4

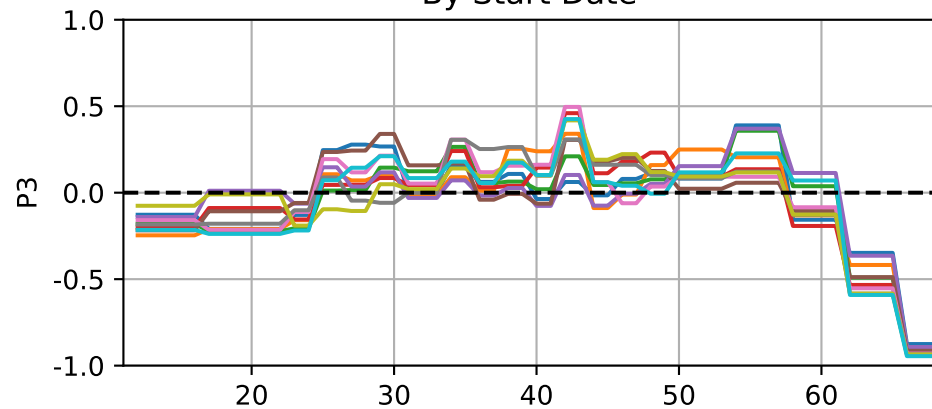
6

8

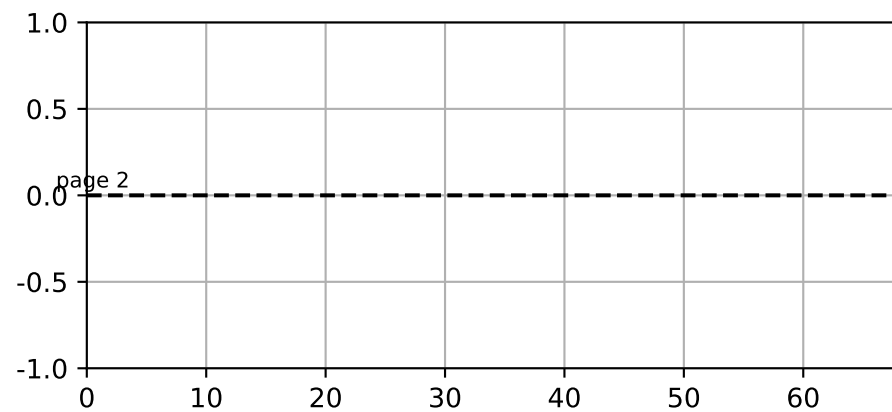
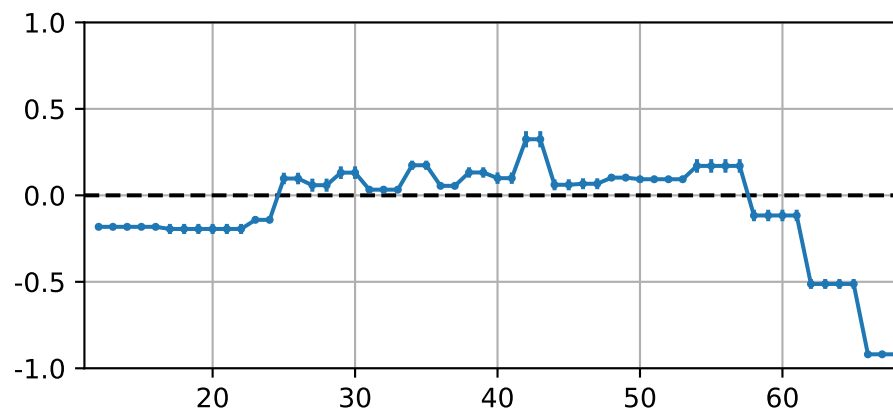
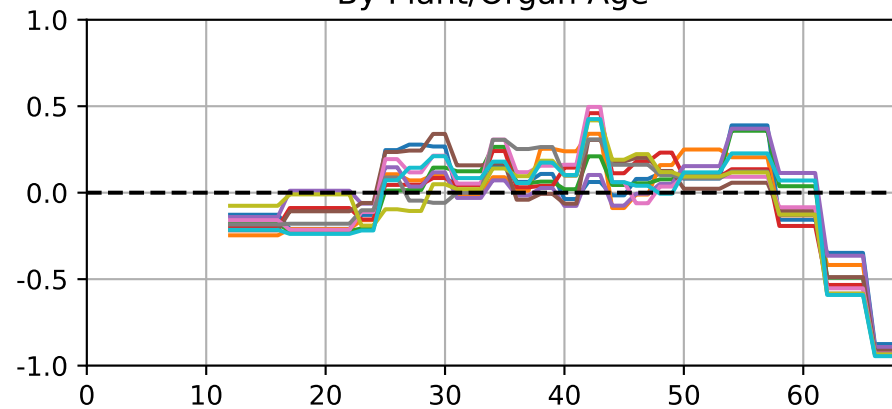
10

Object Number

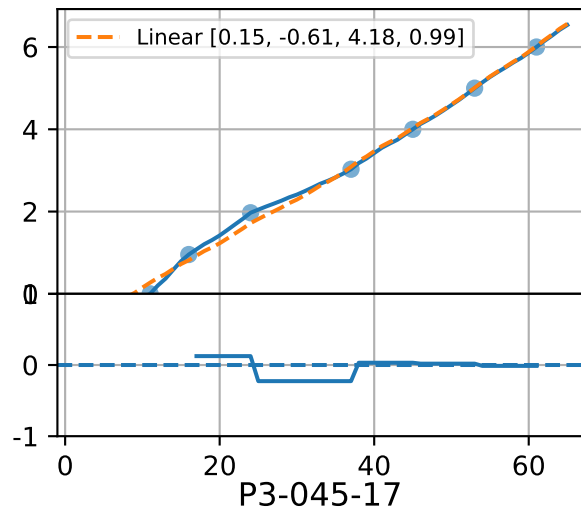
By Start Date



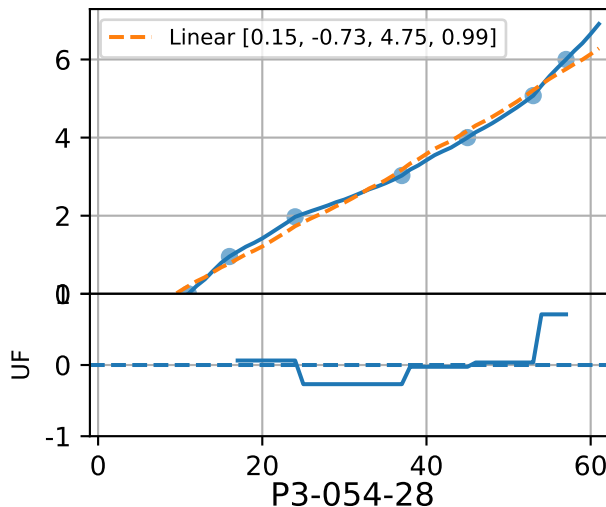
By Plant/Organ Age



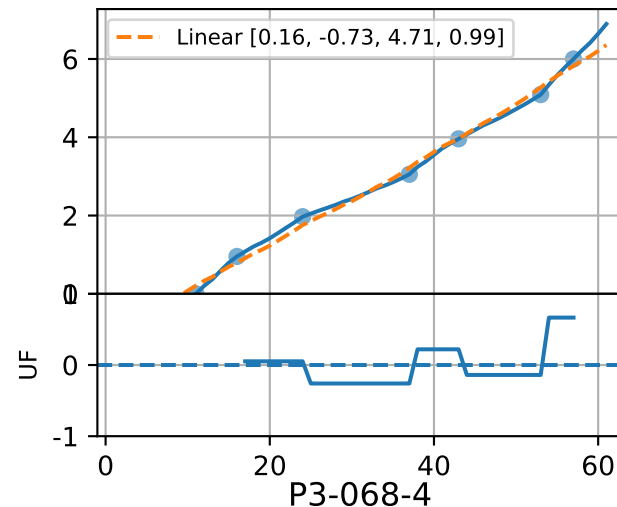
P3-009-13



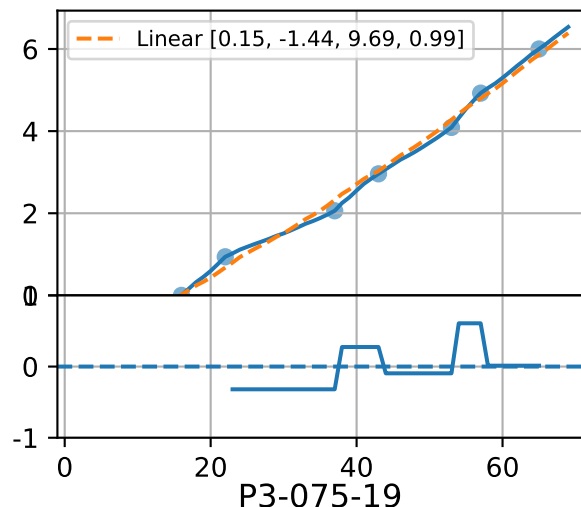
P3-021-19



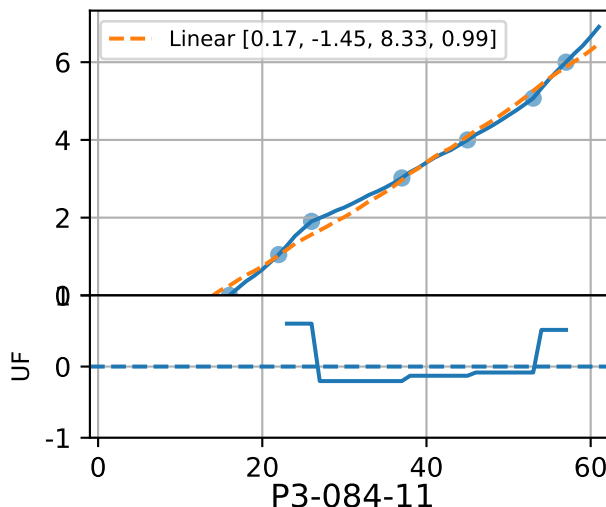
P3-034-5



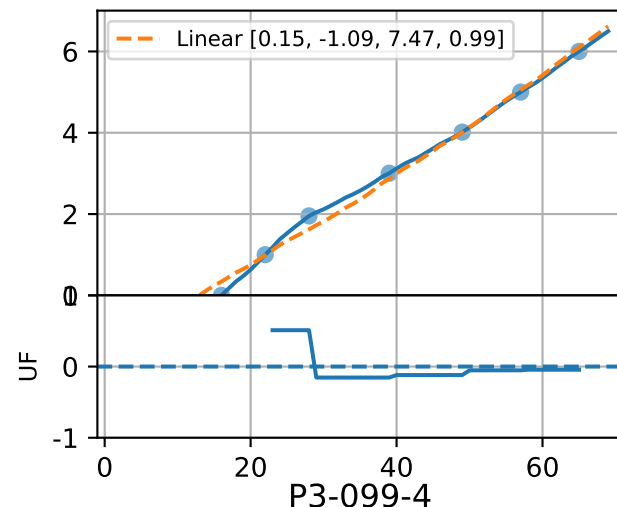
P3-045-17



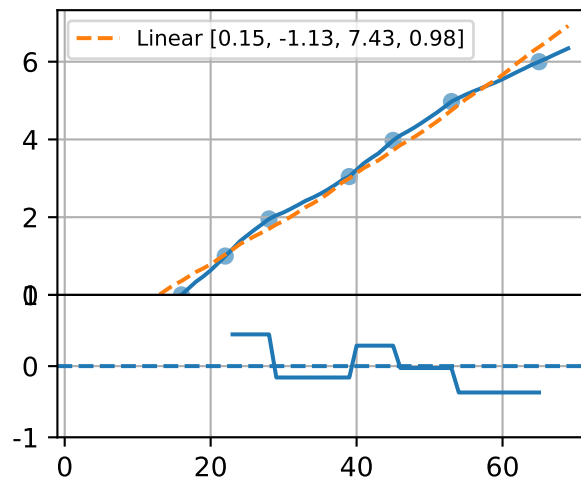
P3-054-28



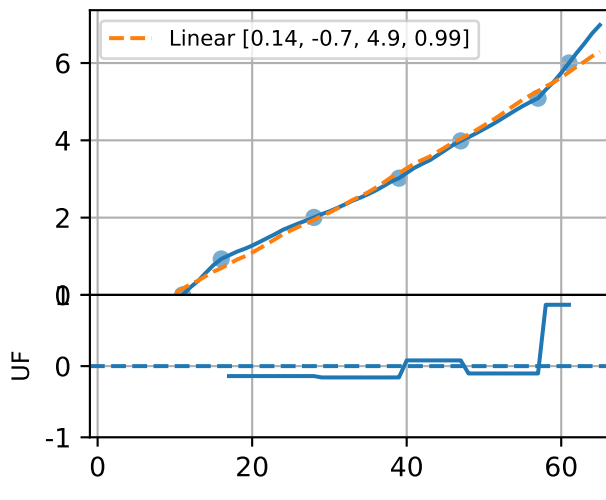
P3-068-4



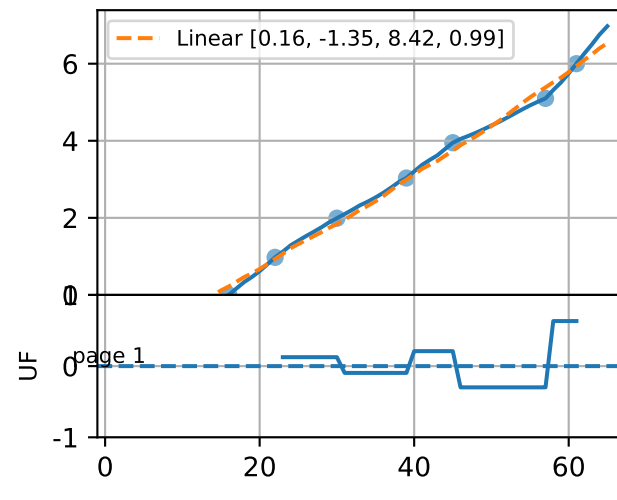
P3-075-19



P3-084-11

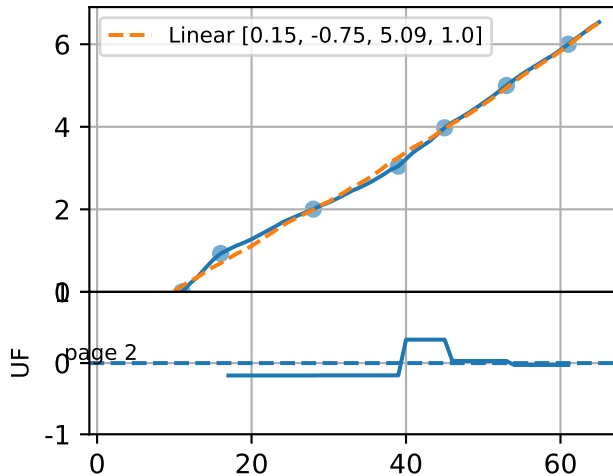


P3-099-4



P3-110-23

TsN

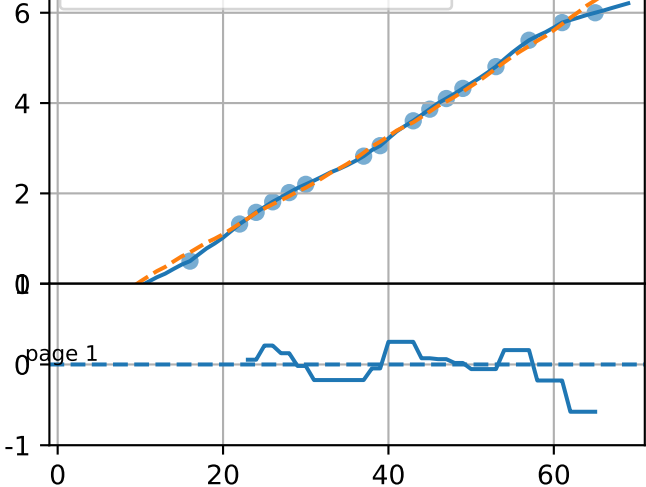


P3avg
TSN

Linear [0.14, -0.69, 4.87, 1.0]

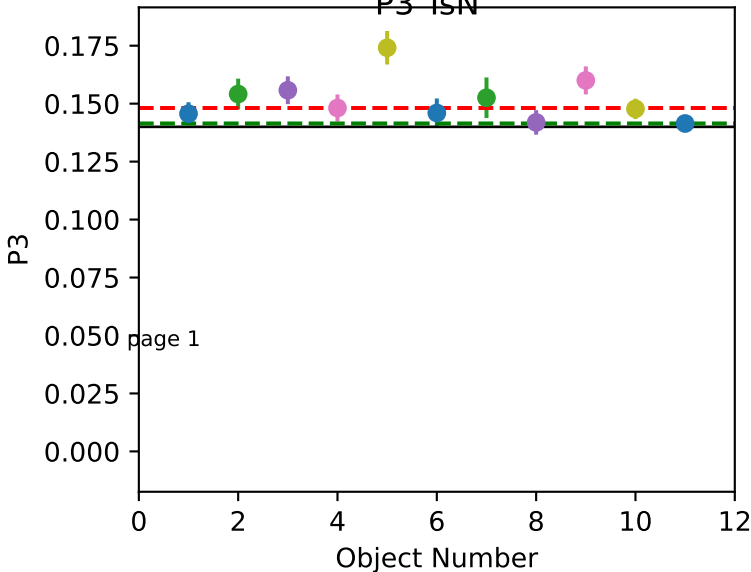
UF

page 1

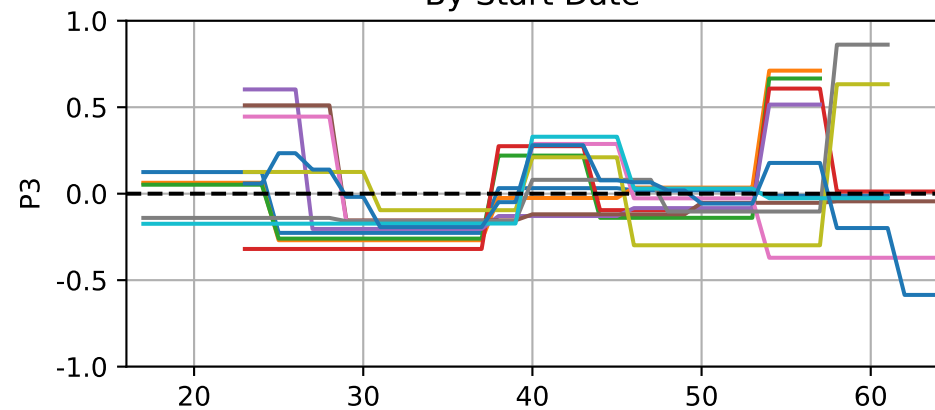


a (Def=0.14 Set=0.14)
avg1=0.15~4% avg2=0.14~5%

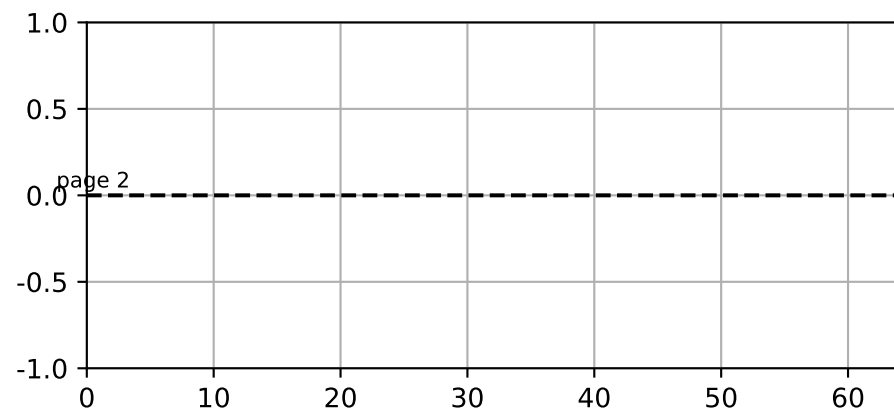
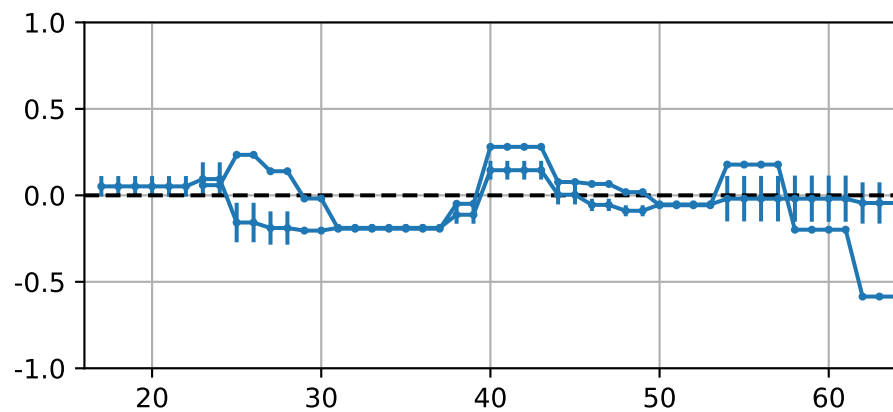
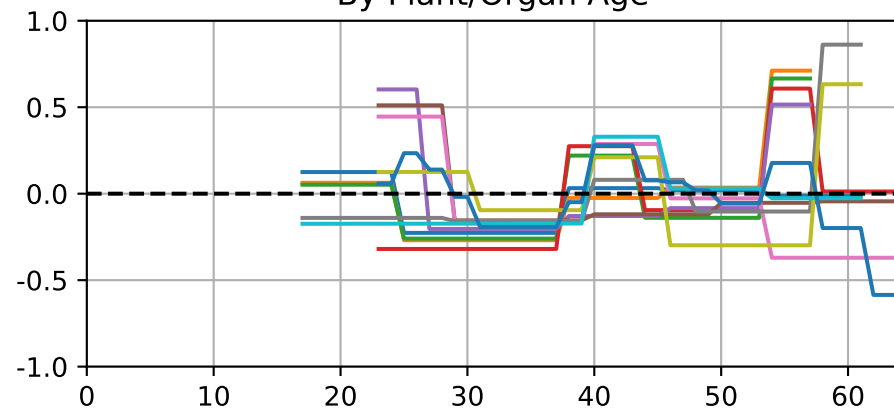
P3 TSN

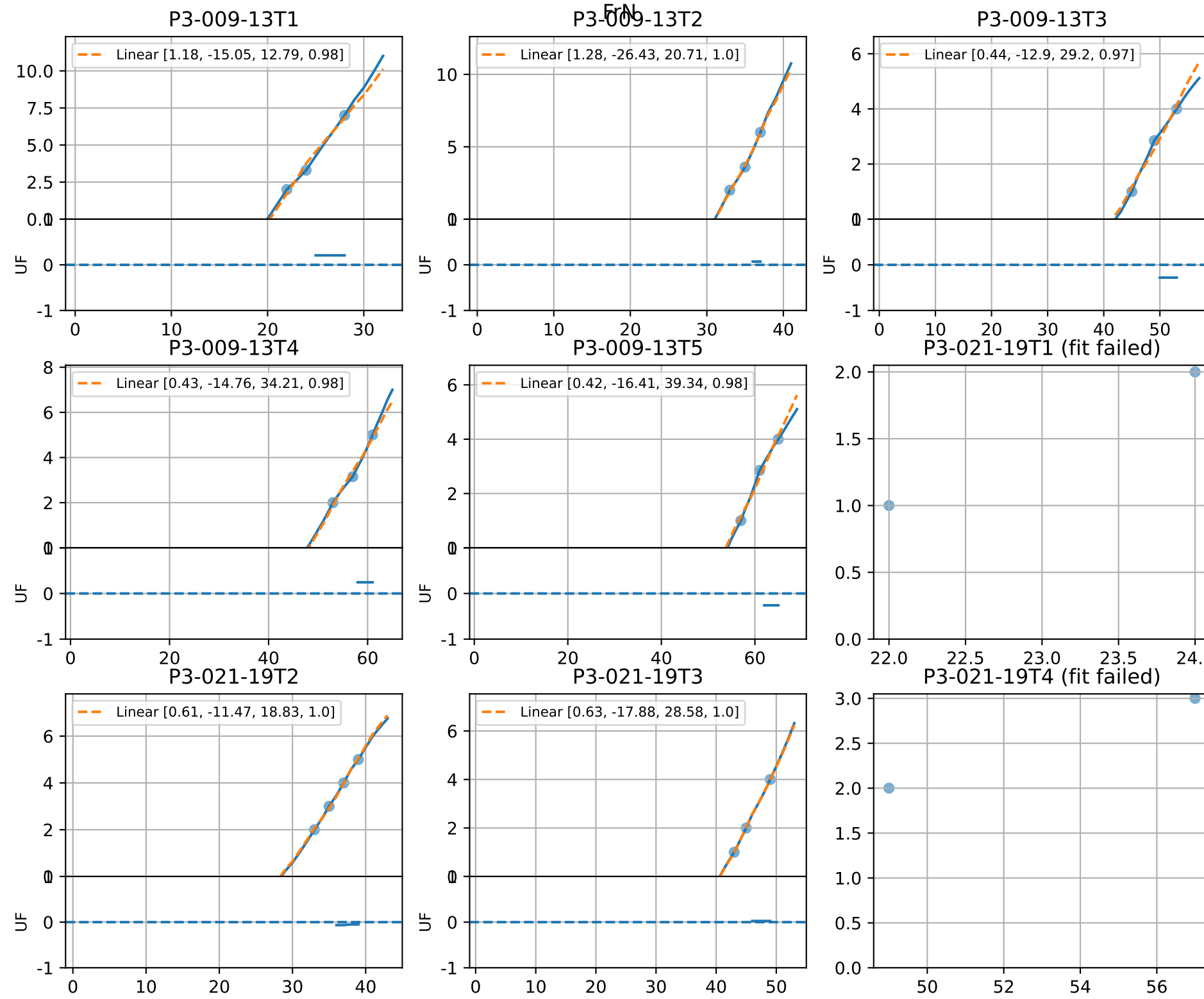


By Start Date

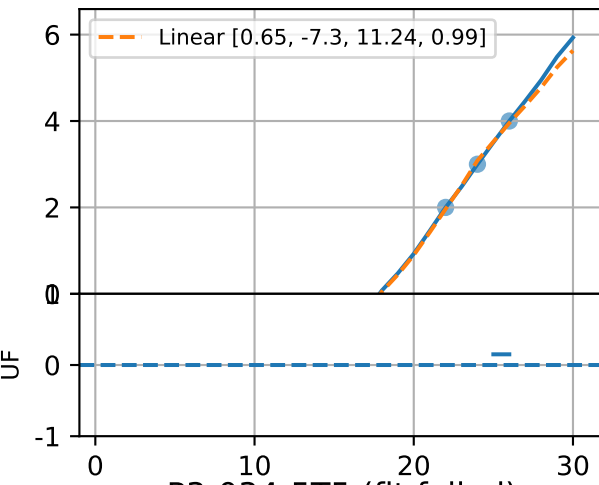


By Plant/Organ Age

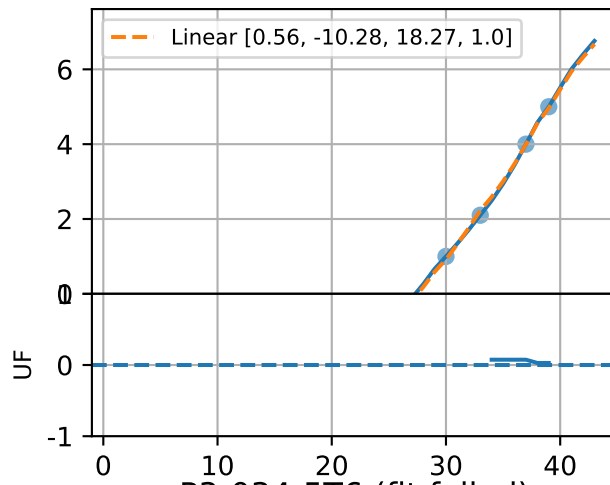




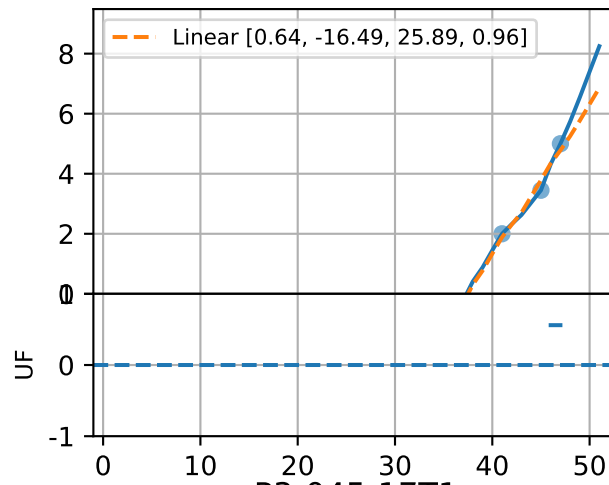
P3-034-5T1



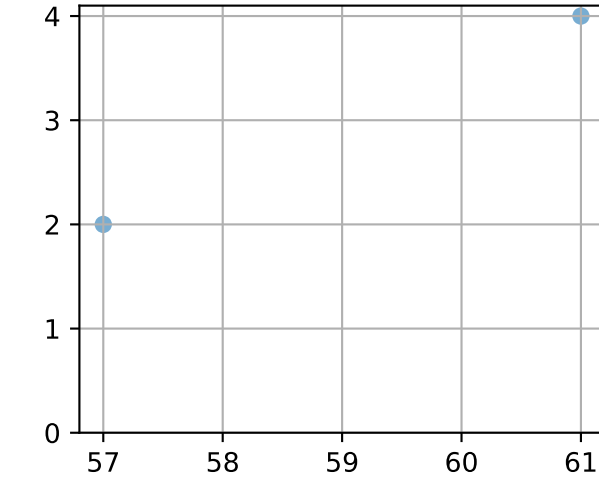
P3-034-5T2



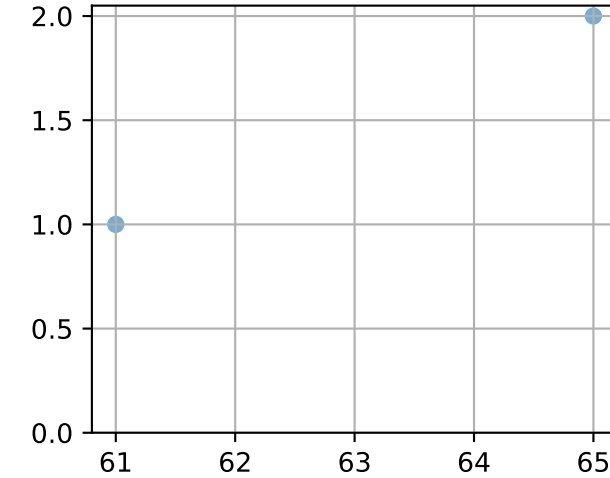
P3-034-5T3



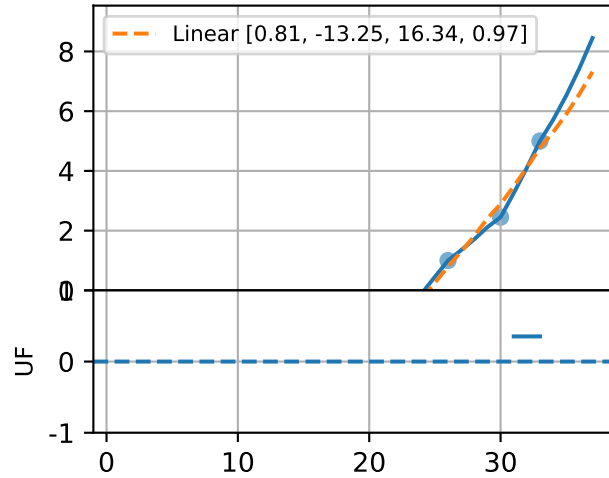
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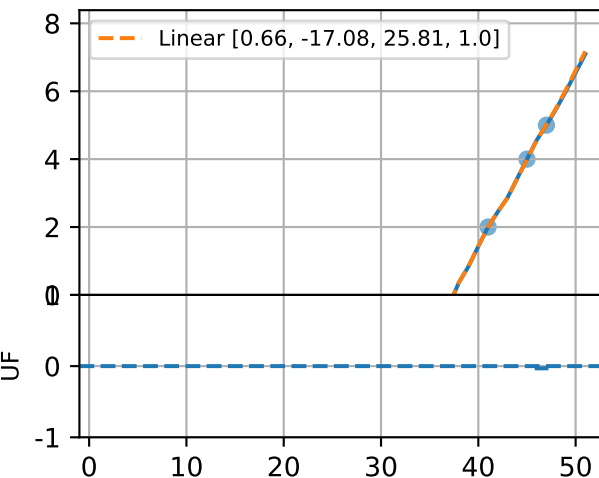
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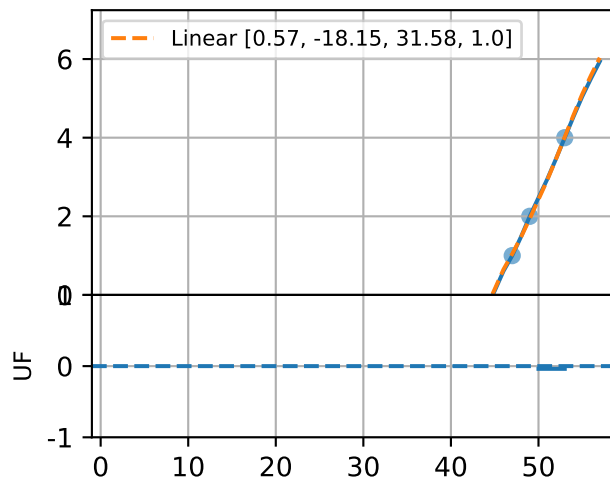
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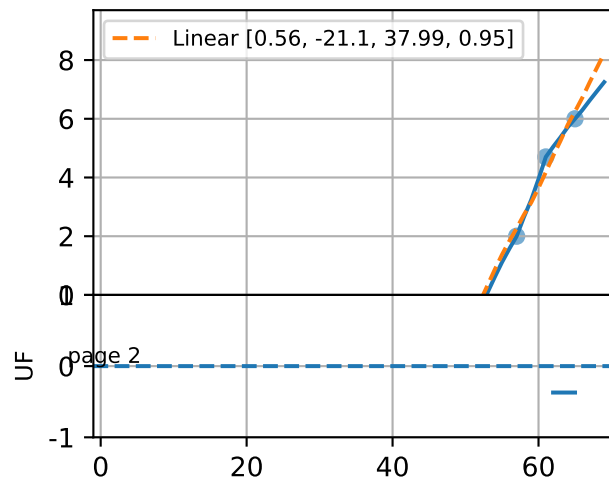
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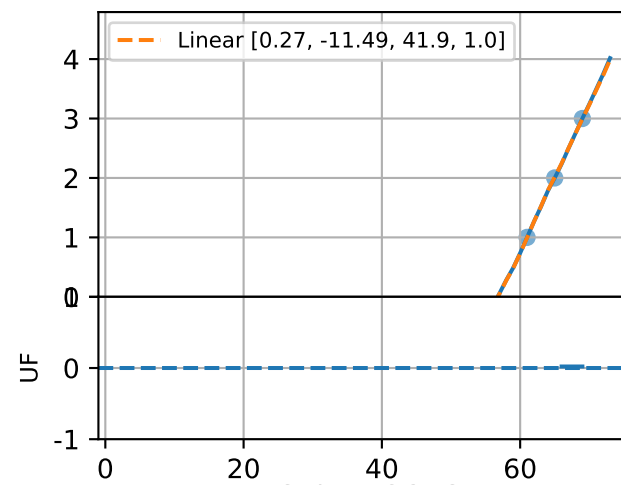
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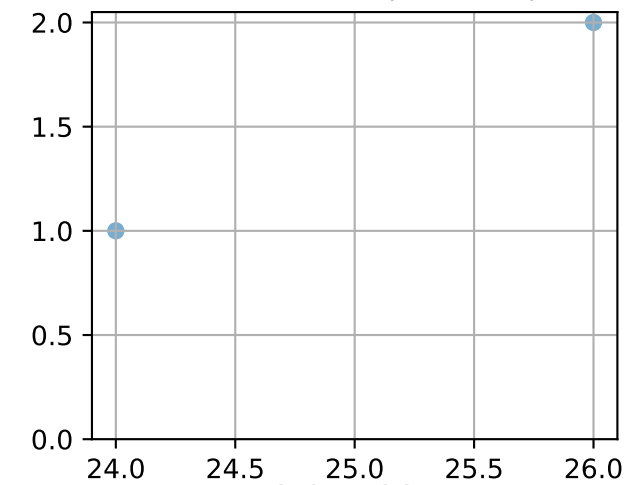
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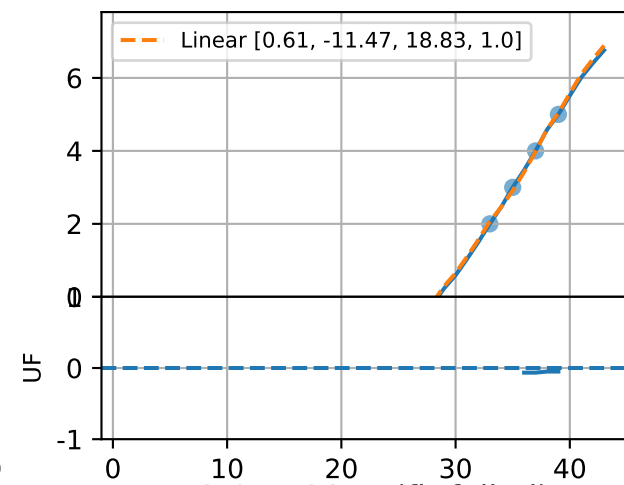
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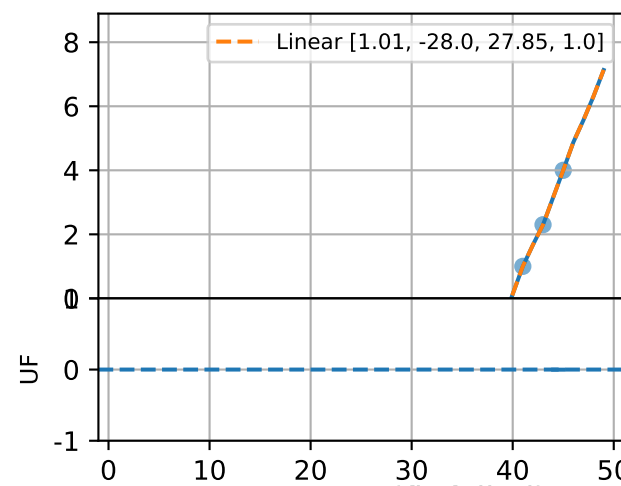
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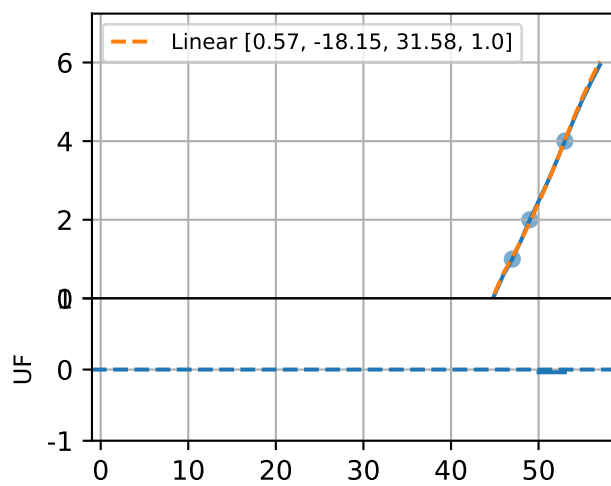
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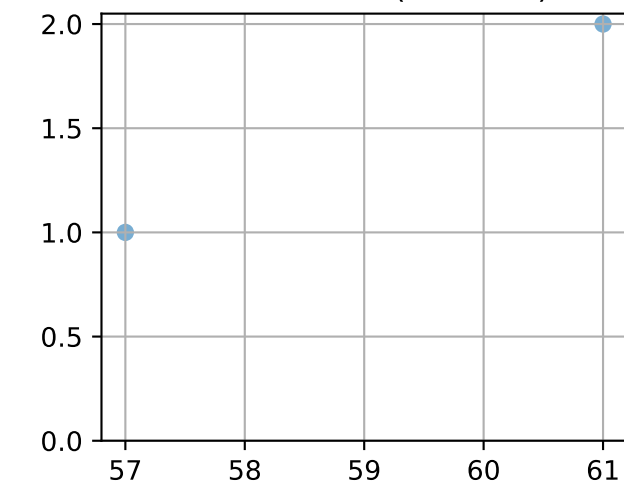
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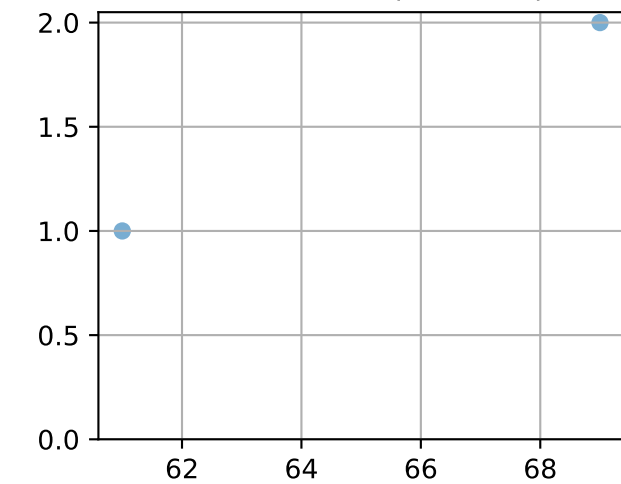
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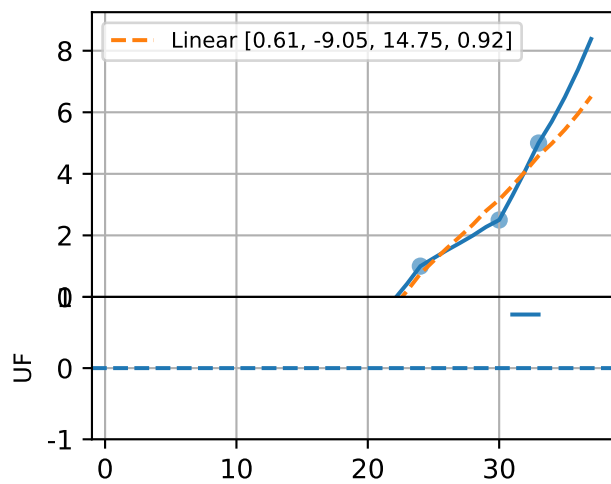
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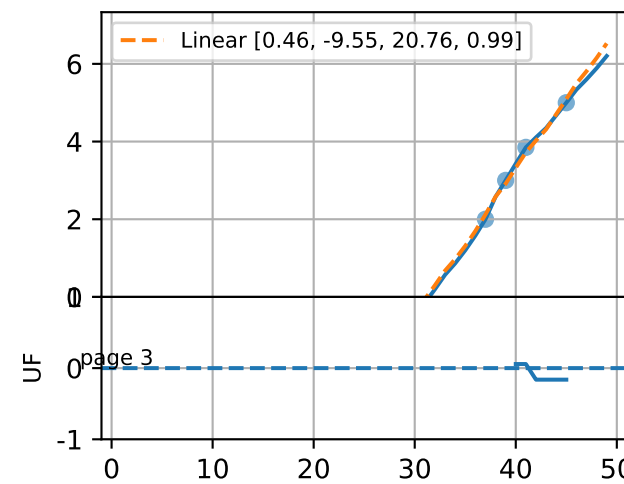
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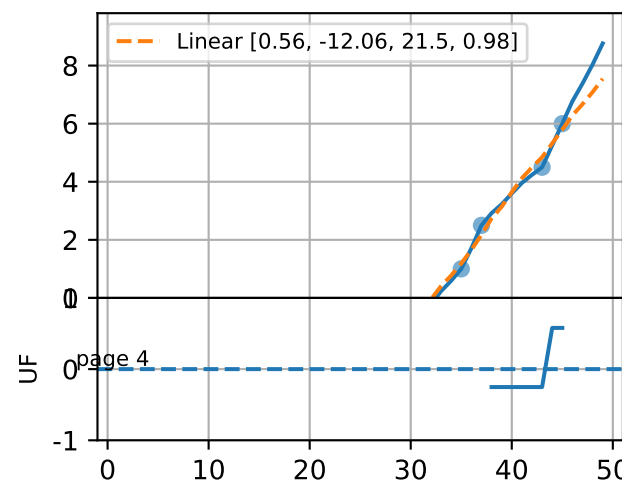
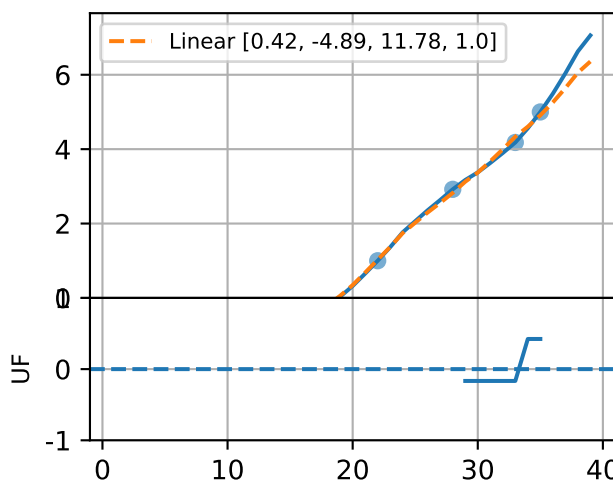
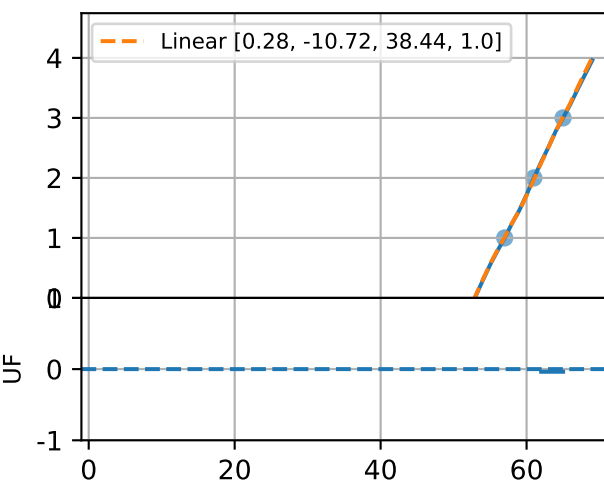
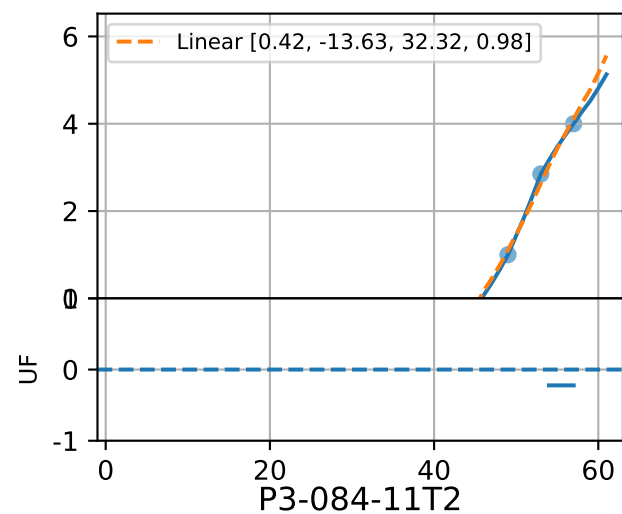
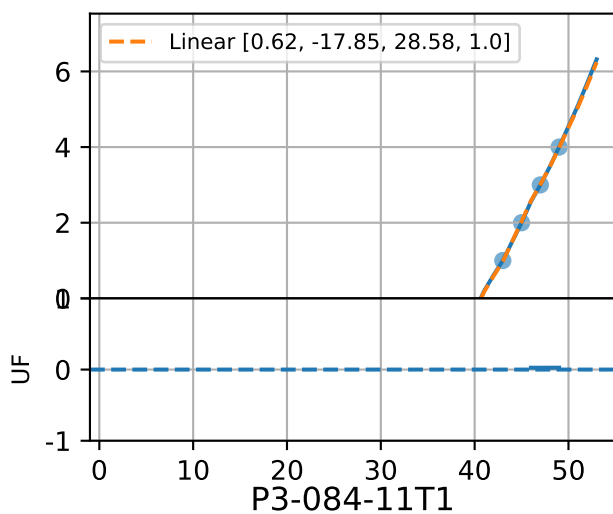
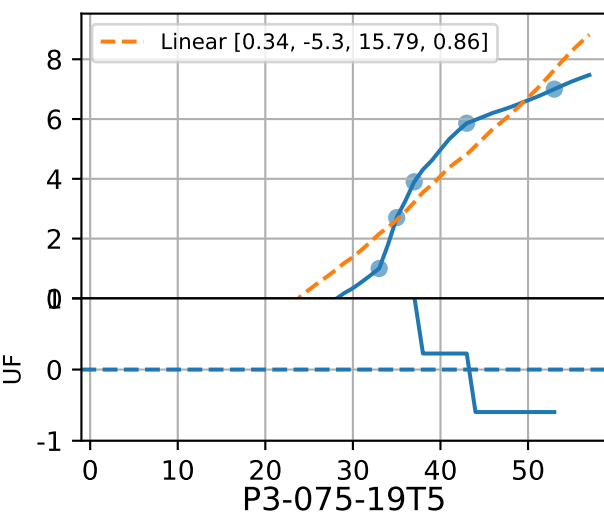
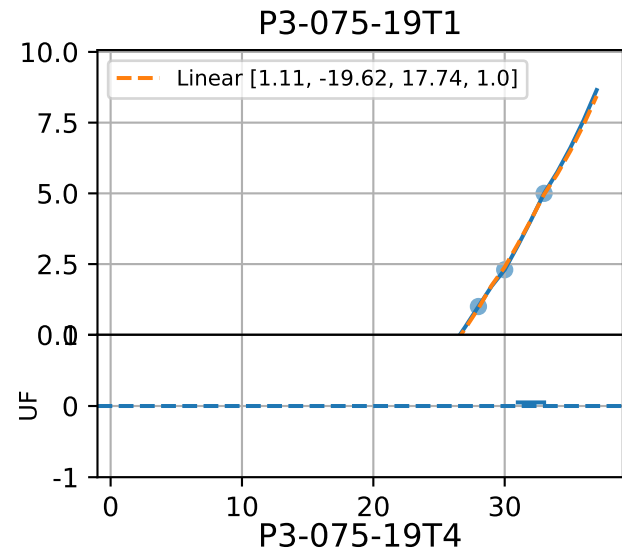
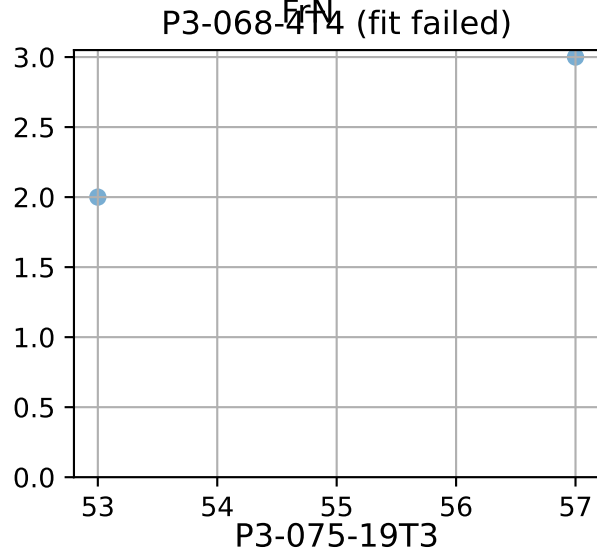
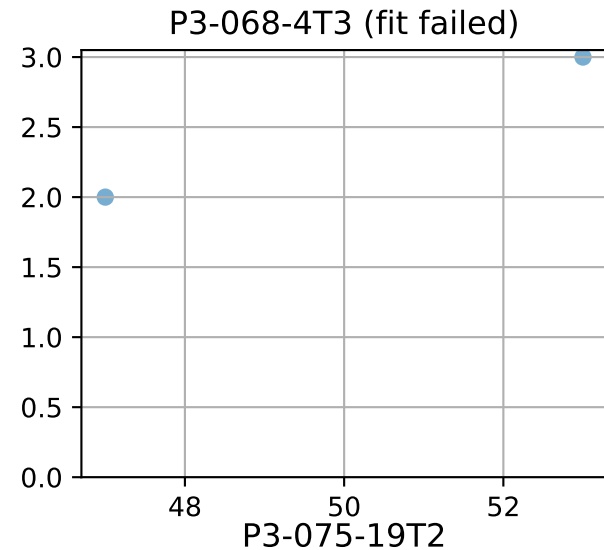


P3-068-4T1

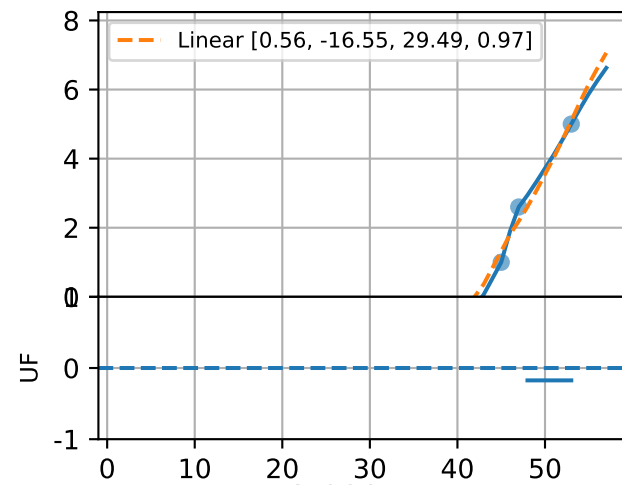


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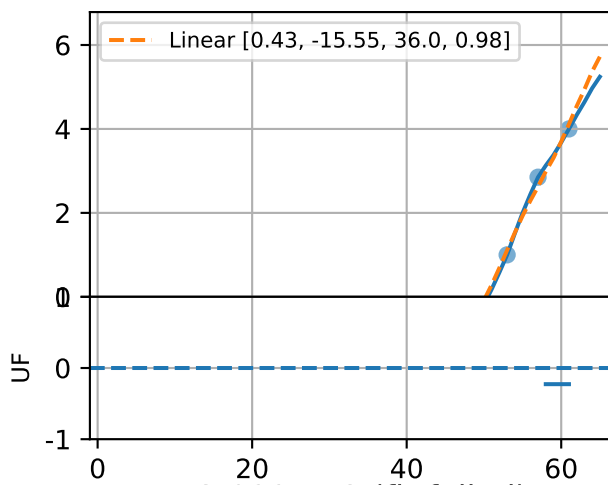




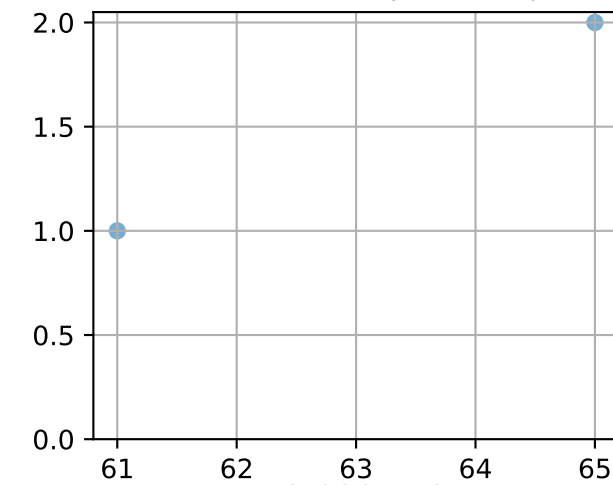
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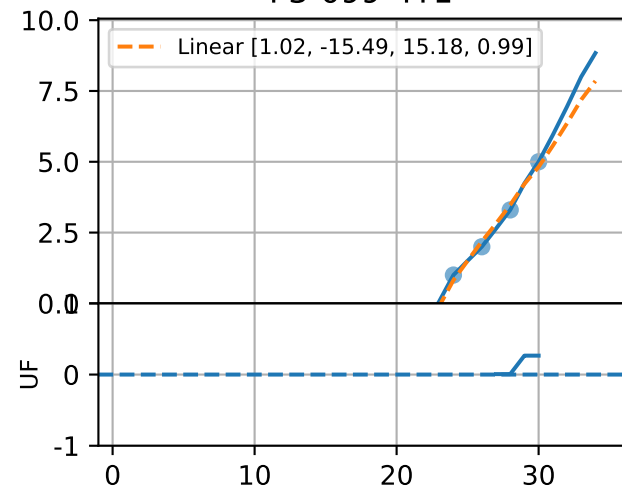
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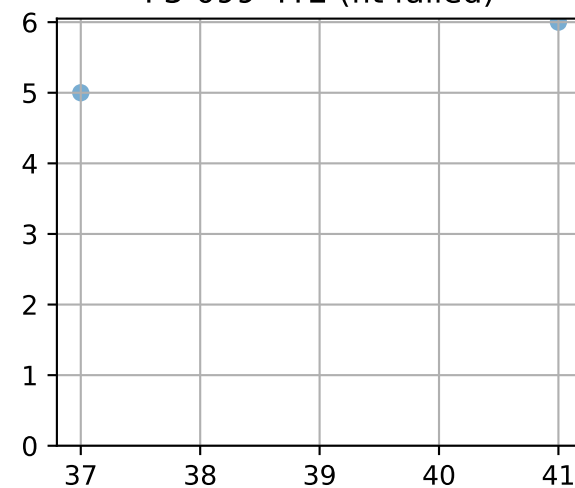
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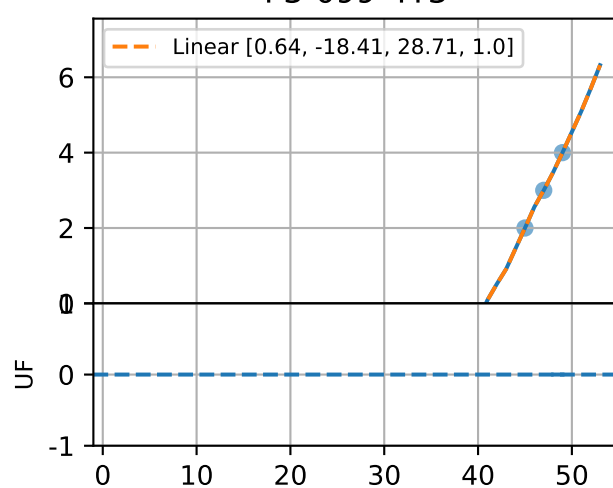
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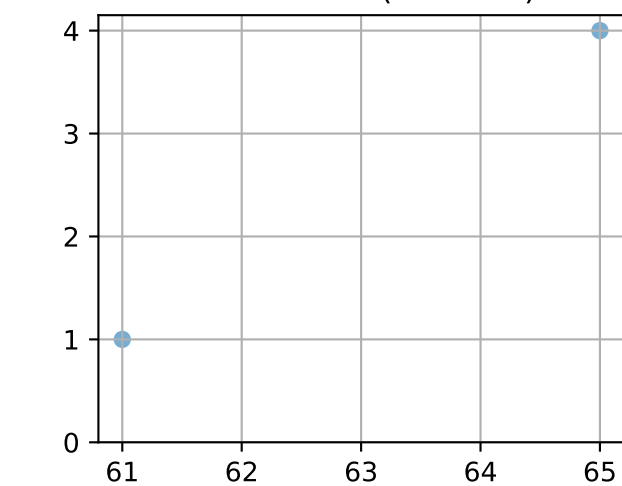
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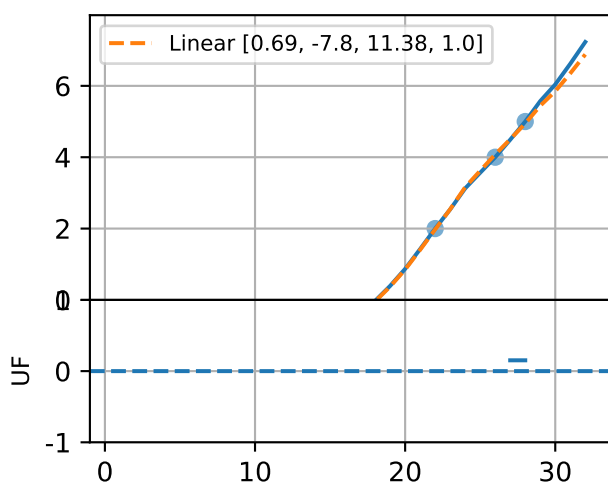
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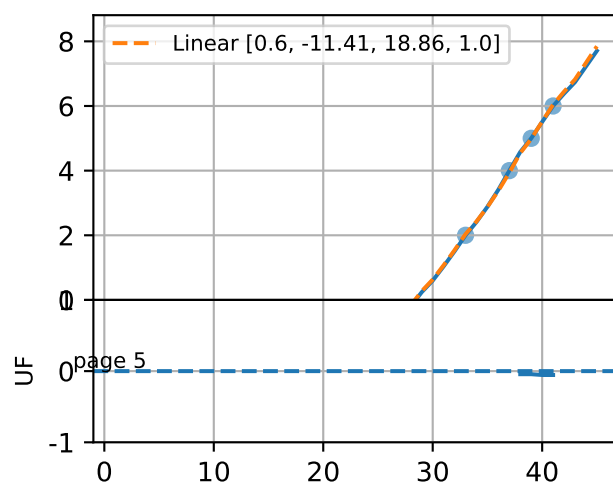
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P3-110-23T1

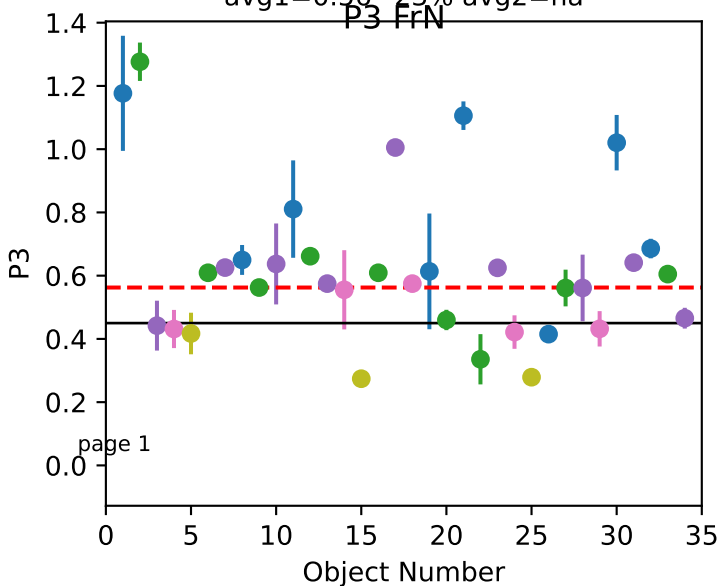


P3-110-23T2

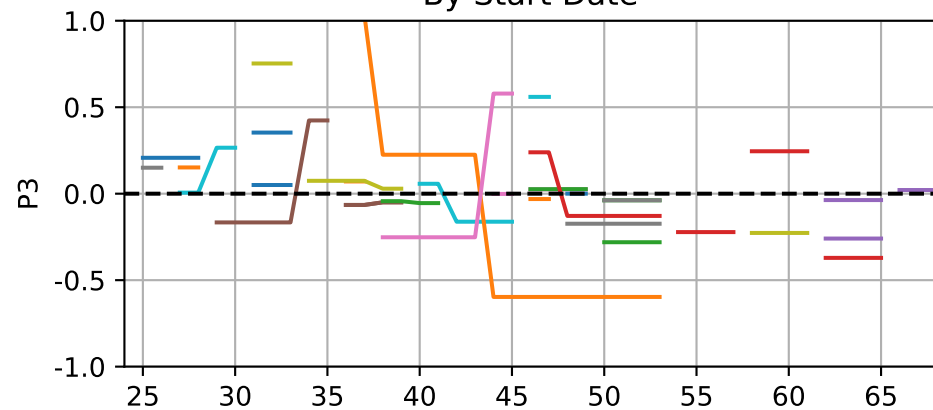




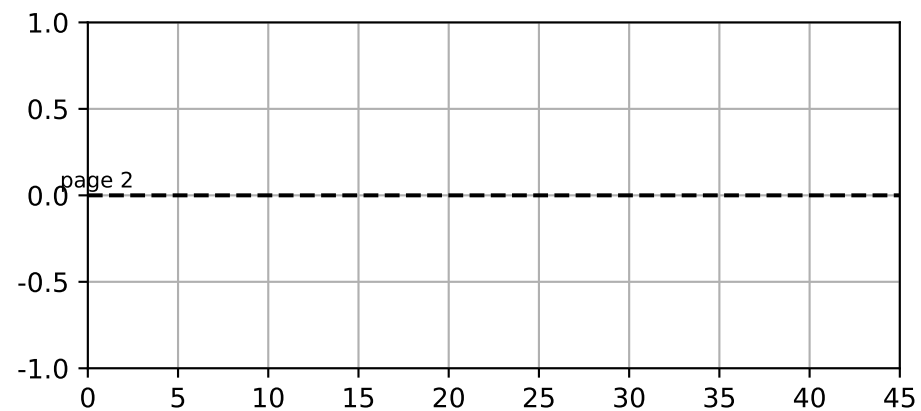
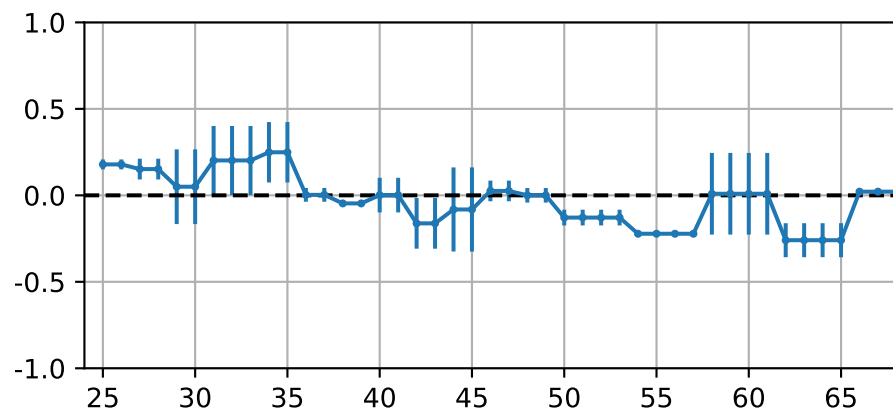
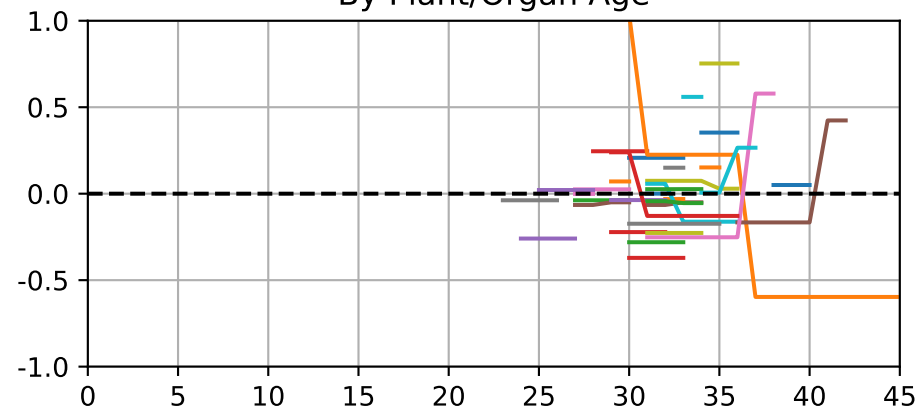
a (Def=0.45 Set=0.56)
avg1=0.56~23% avg2=na

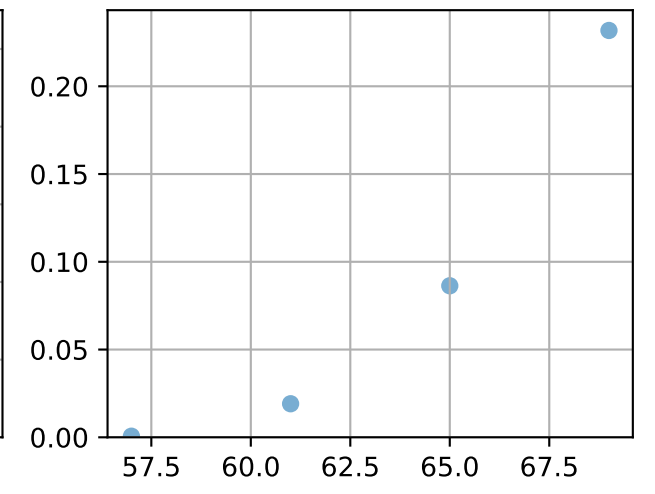
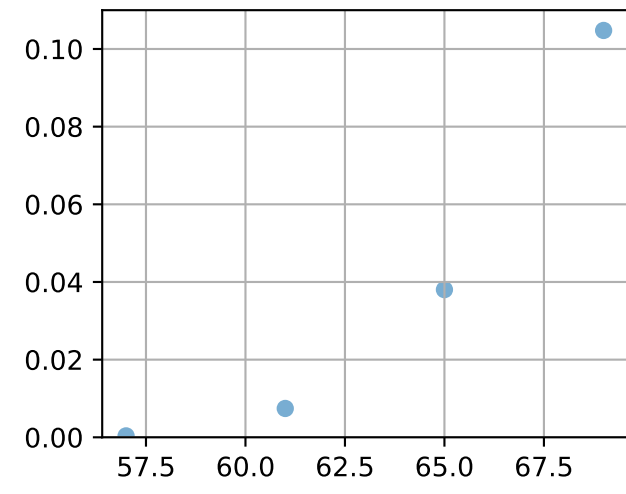
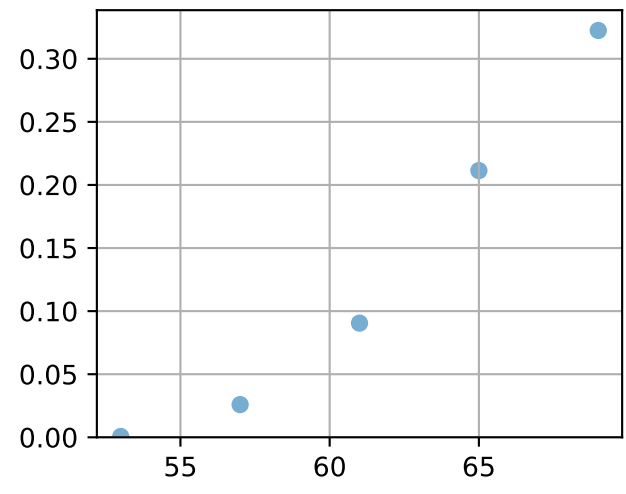
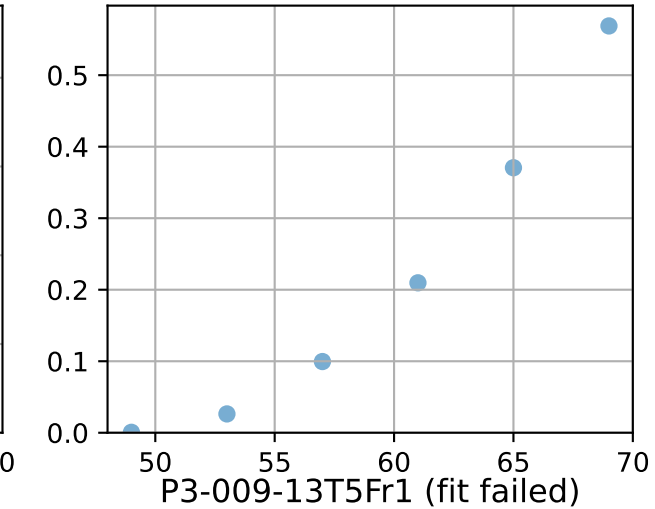
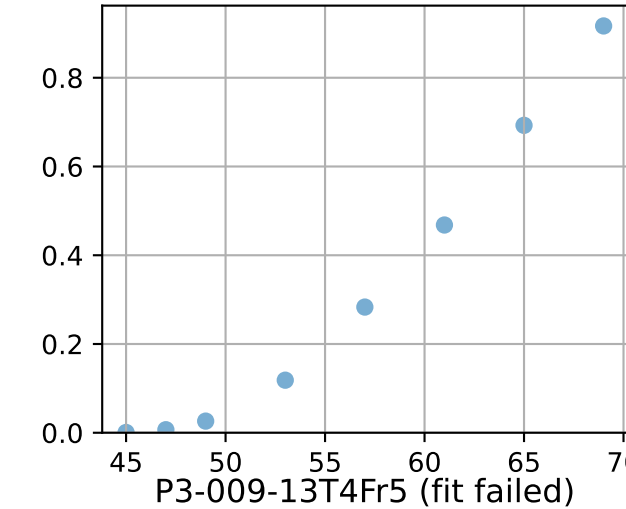
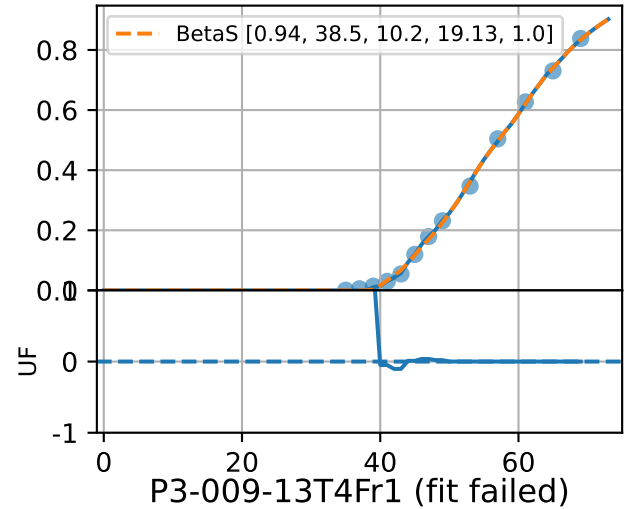
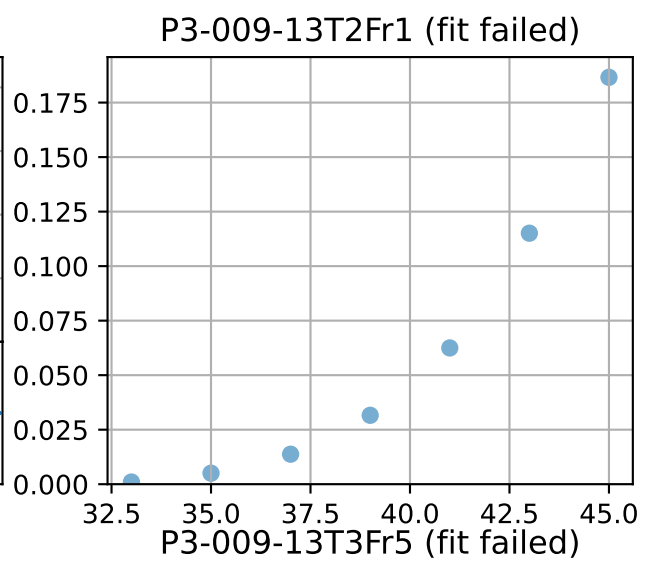
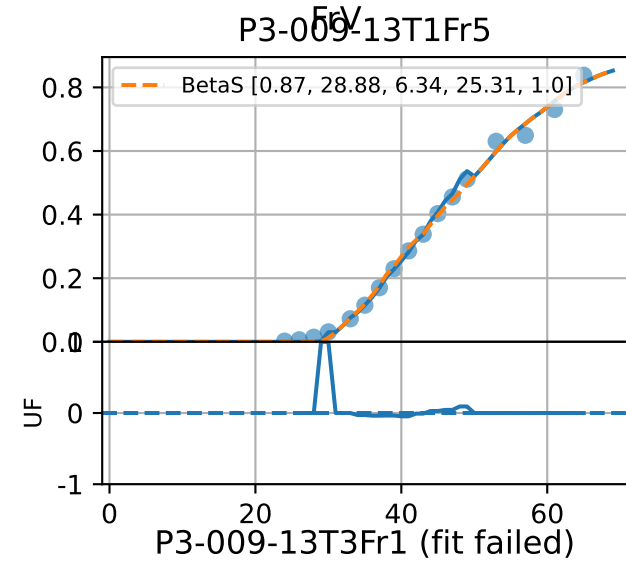
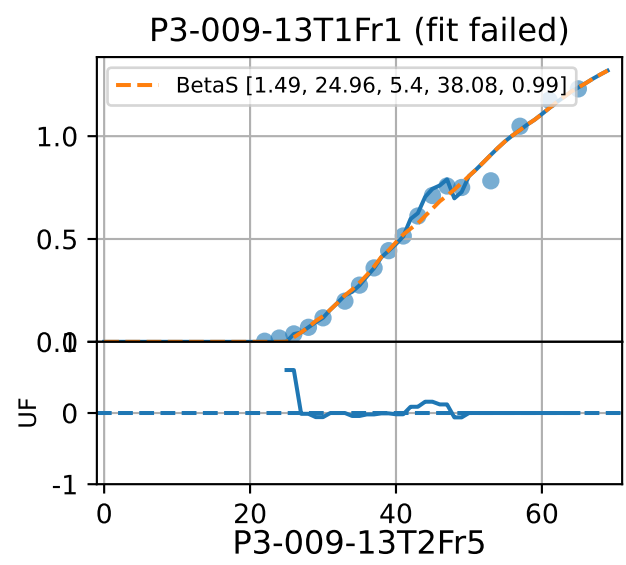


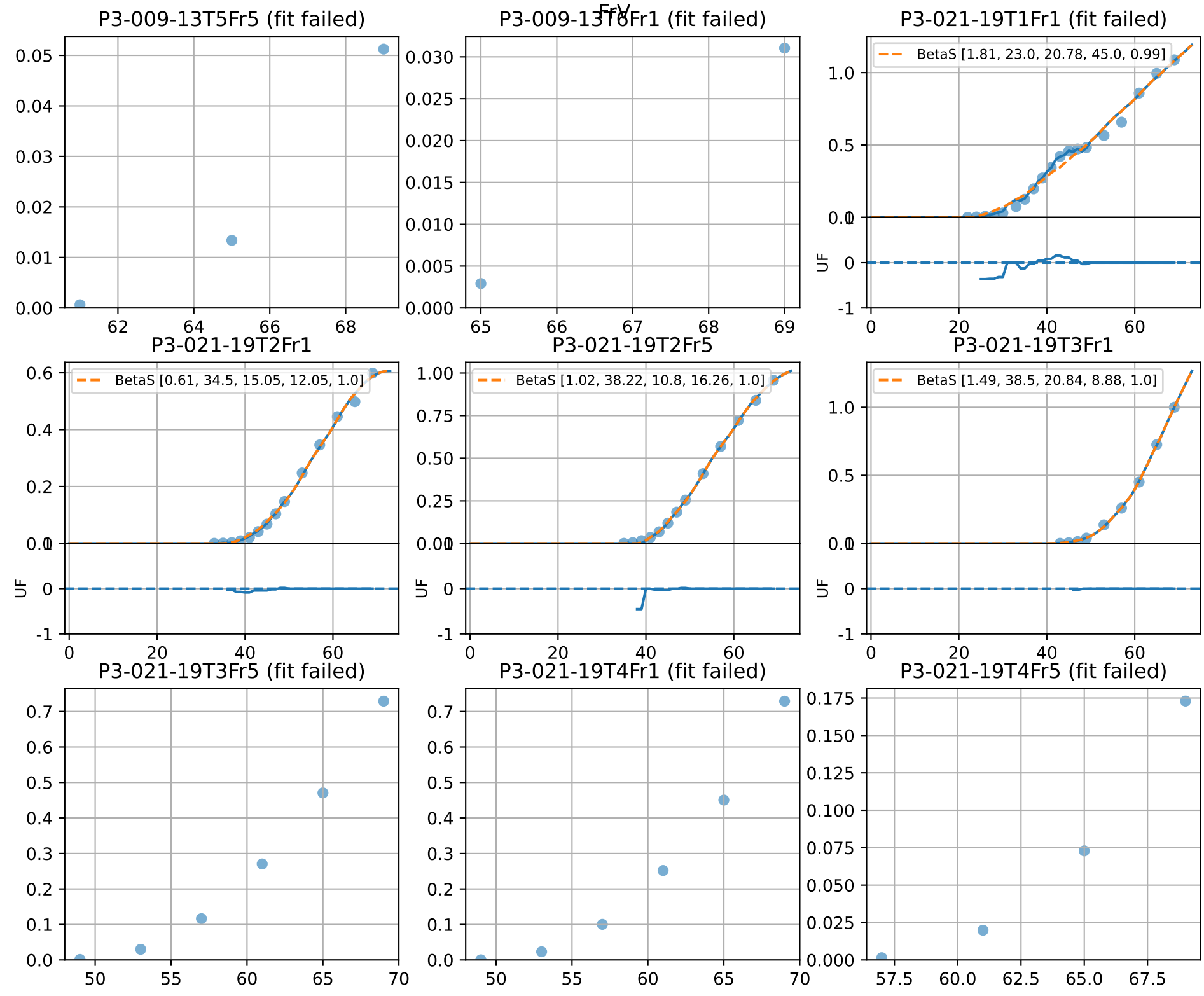
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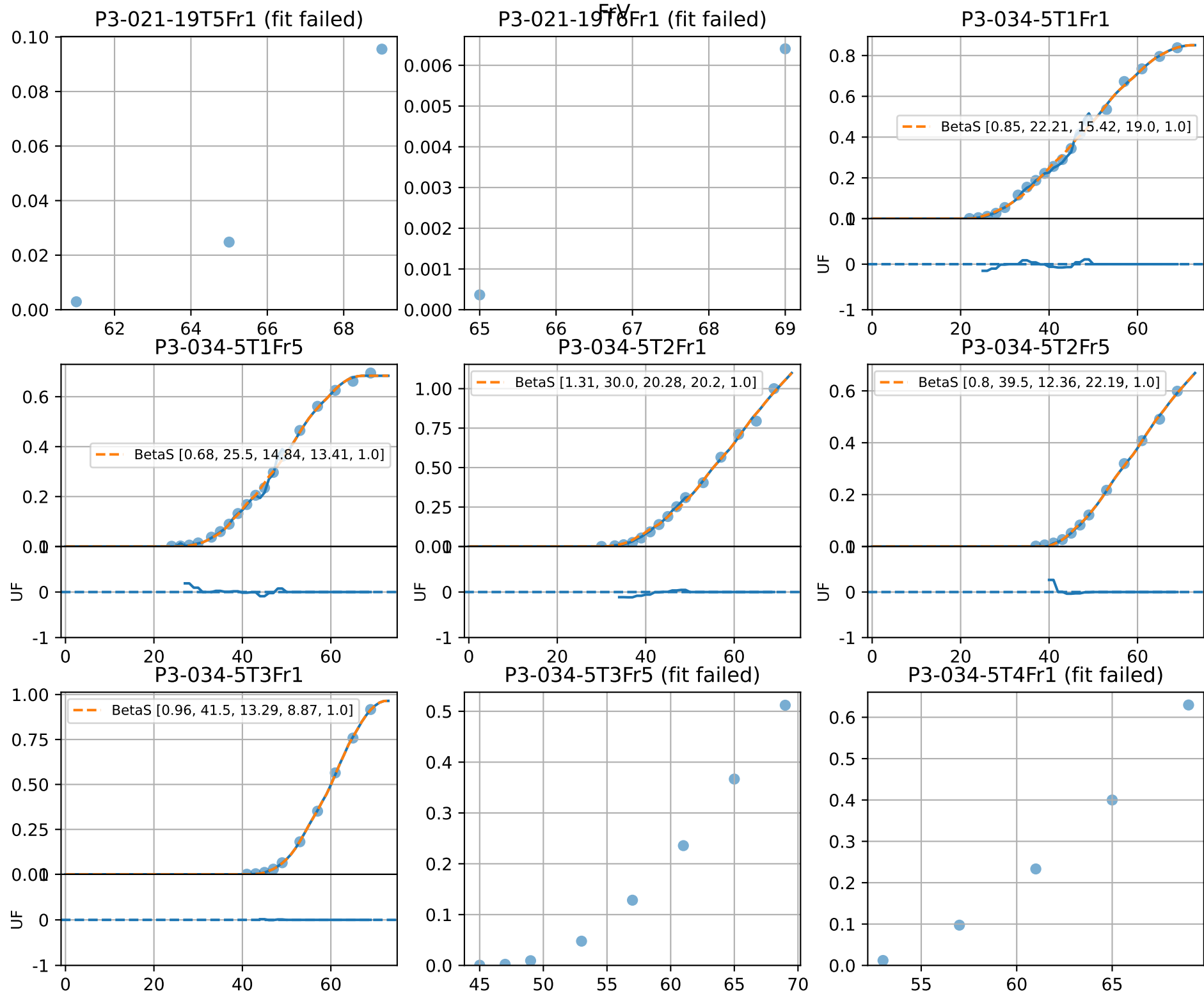


By Plant/Organ Age







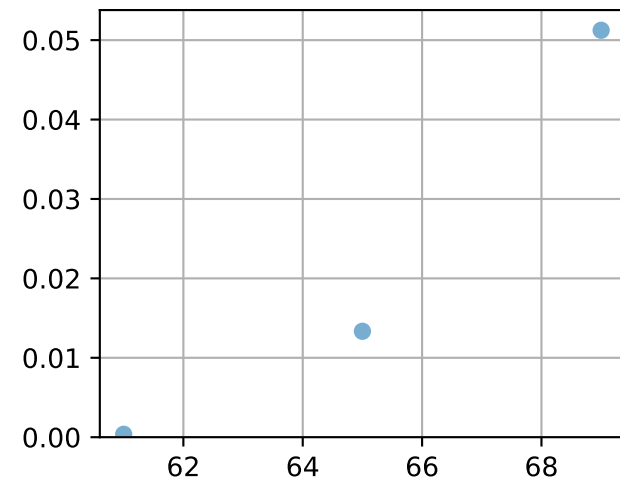
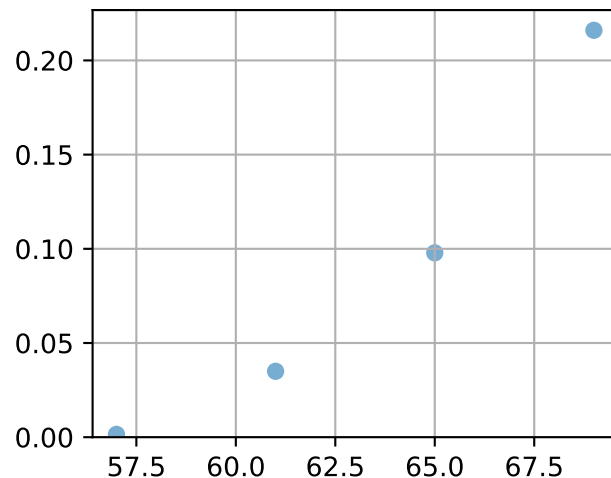
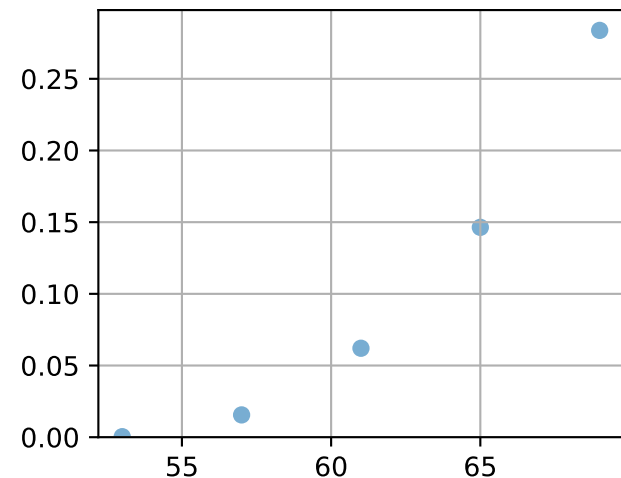


FeV

P3-034-5T4Fr5 (fit failed)

P3-034-5T5Fr1 (fit failed)

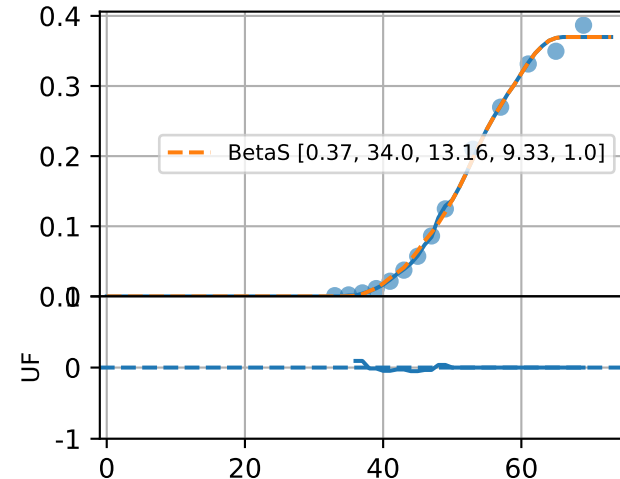
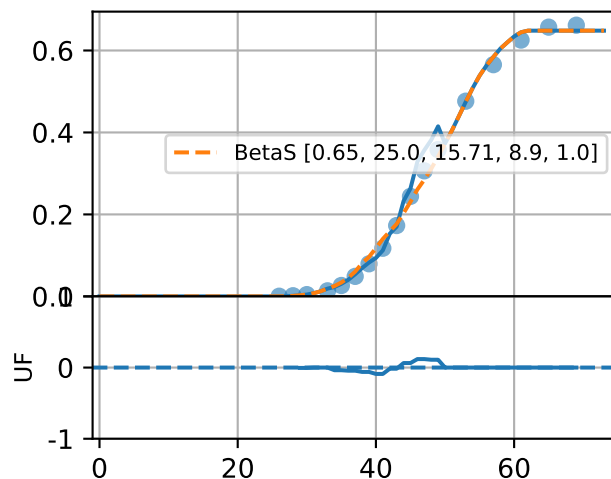
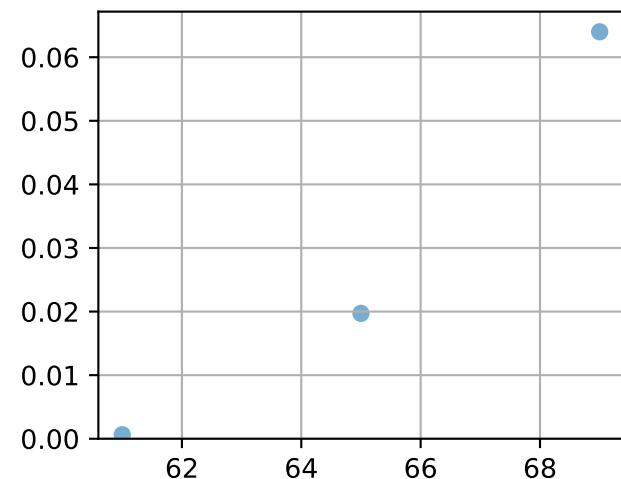
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P3-034-5T6Fr1 (fit failed)

P3-045-17T1Fr1

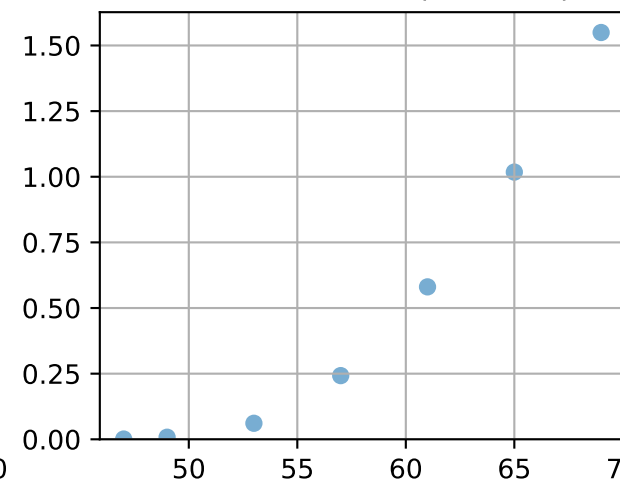
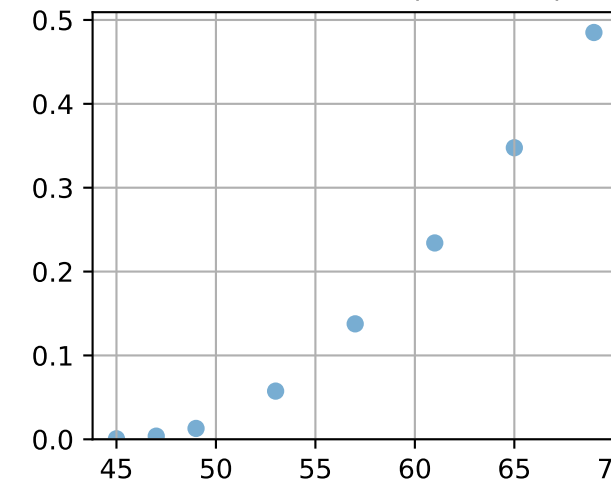
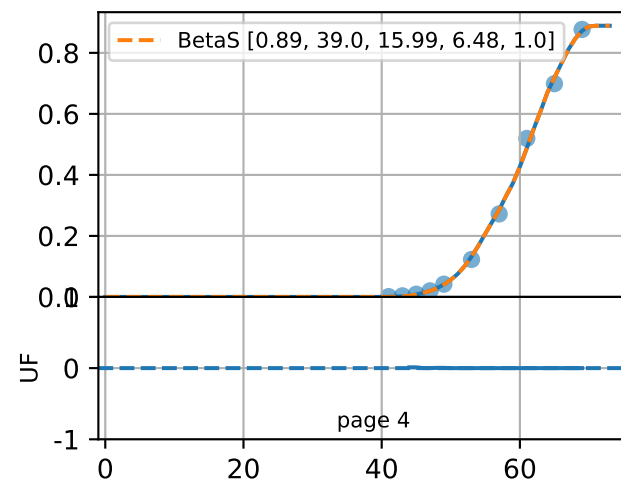
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P3-045-17T2Fr1

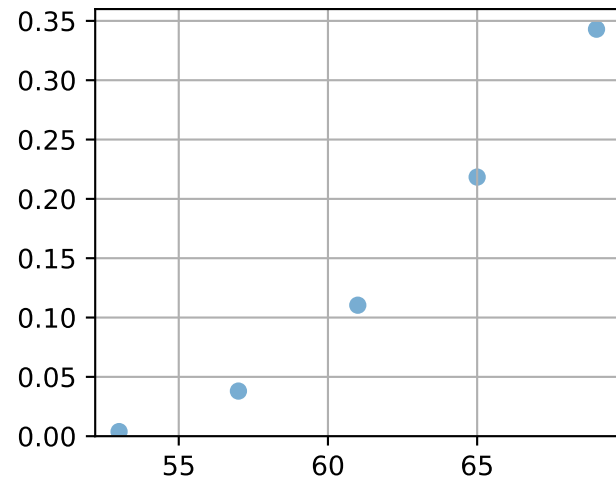
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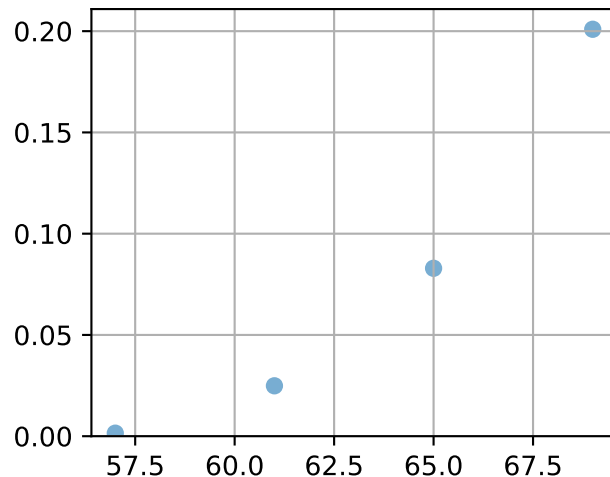


Fr_Y

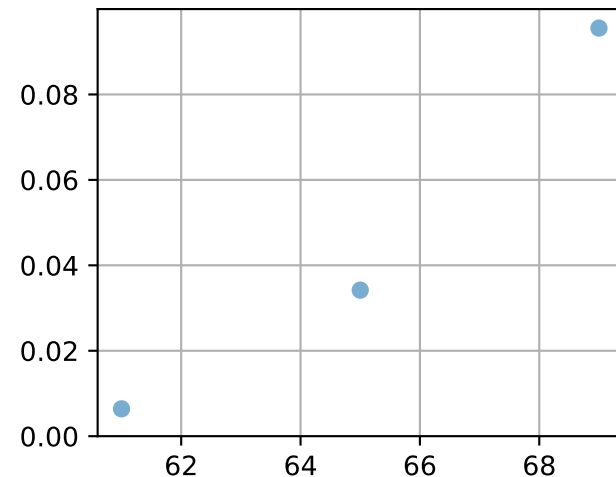
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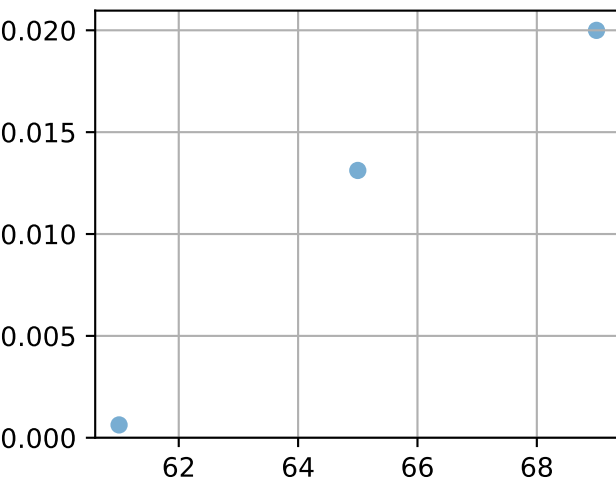
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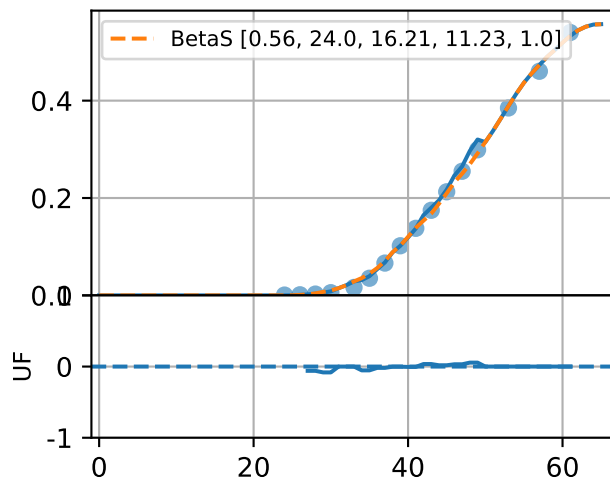
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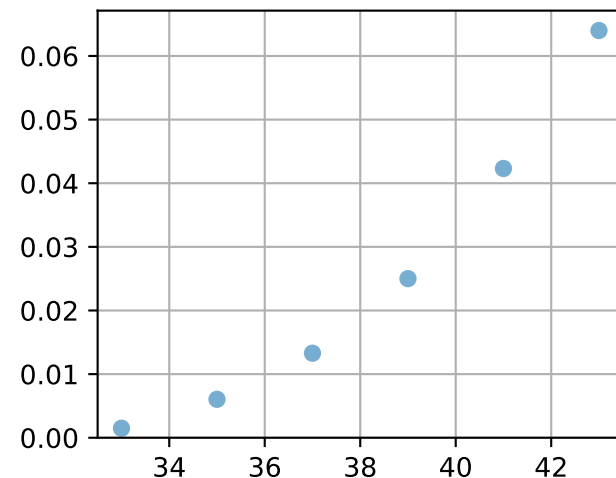
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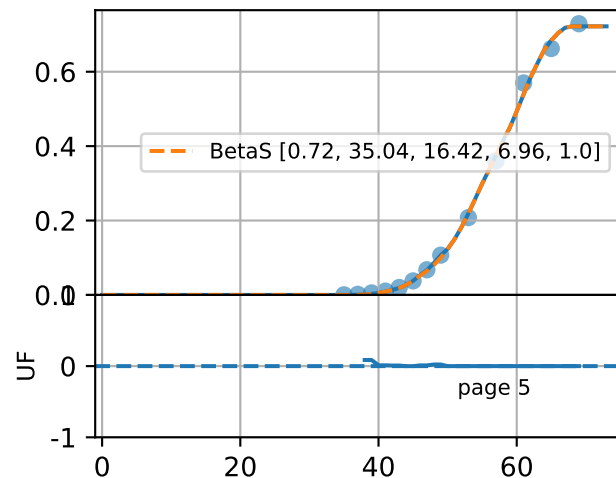
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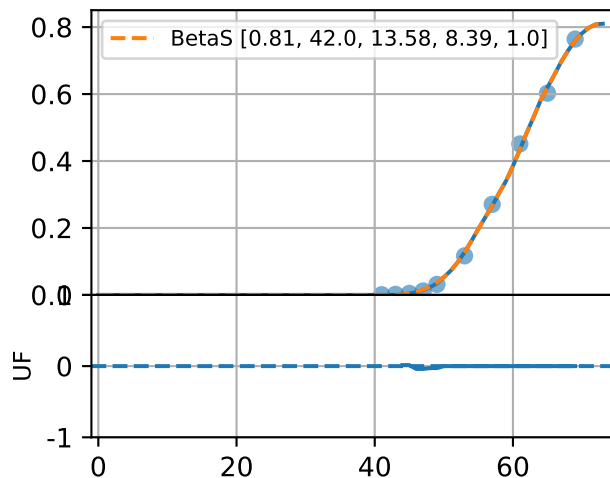
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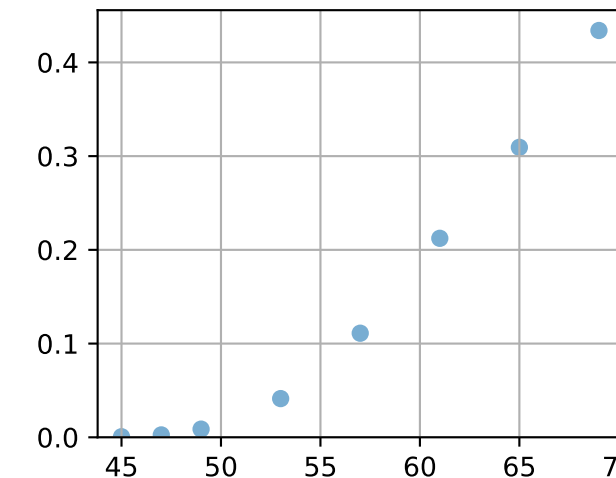
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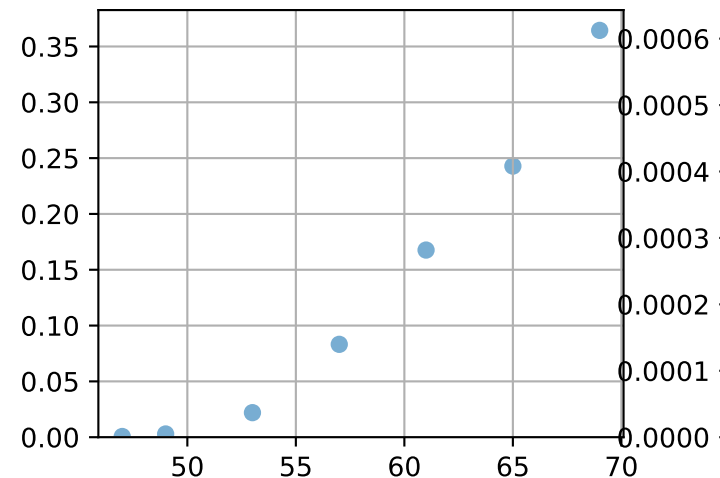
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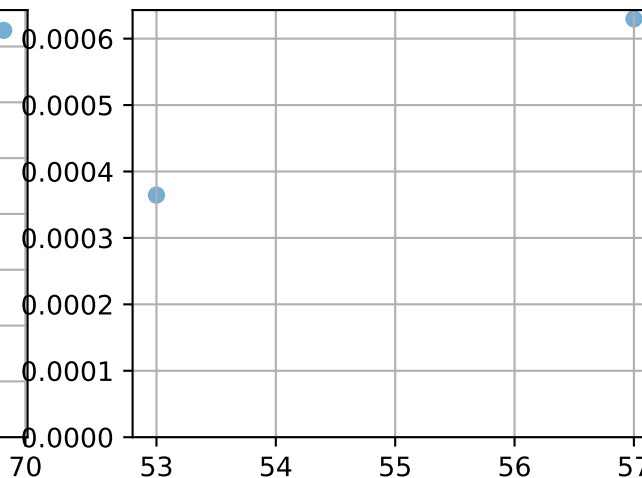
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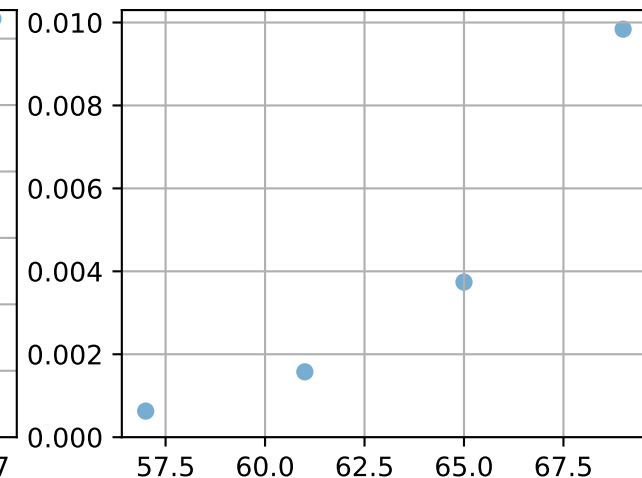
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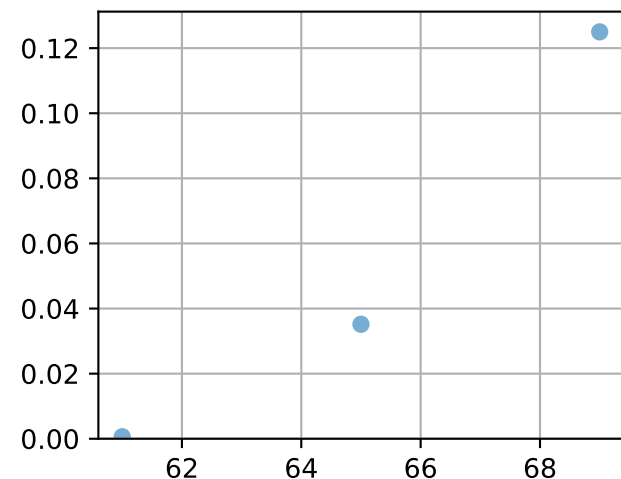
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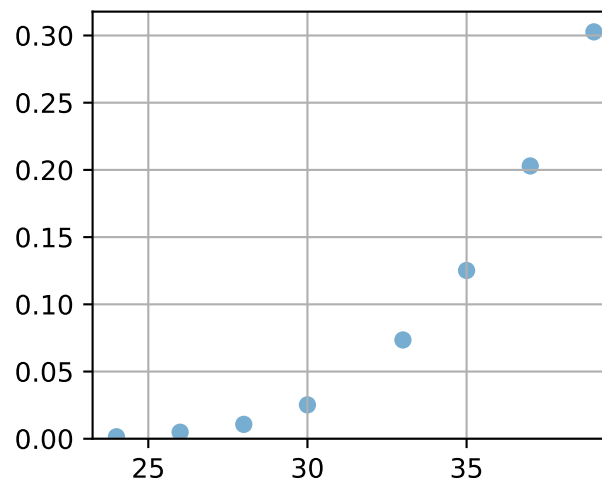
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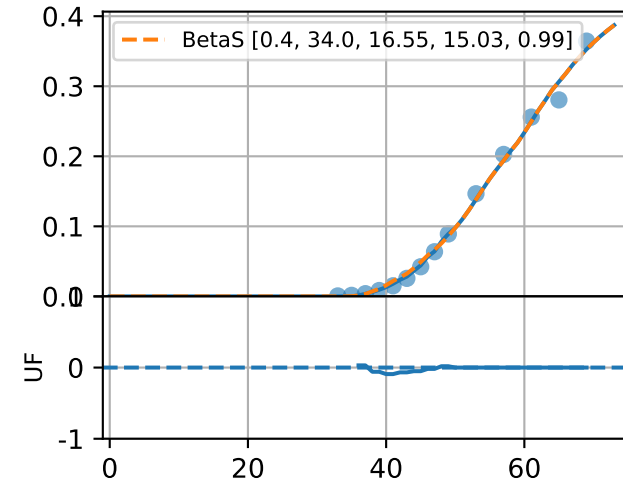
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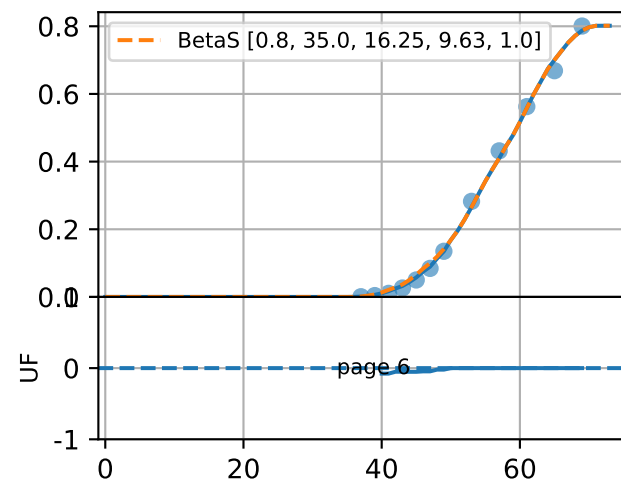
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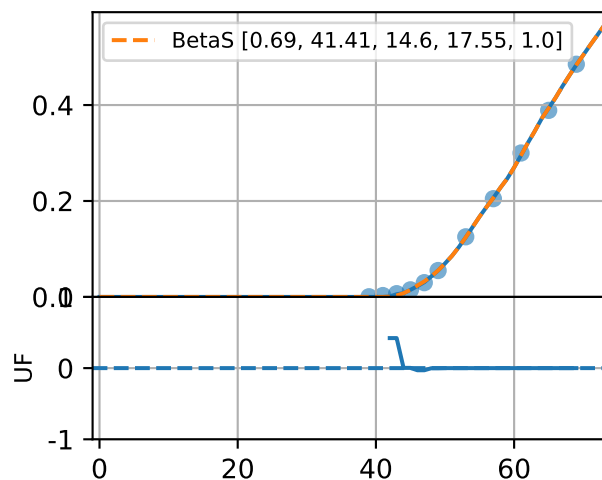
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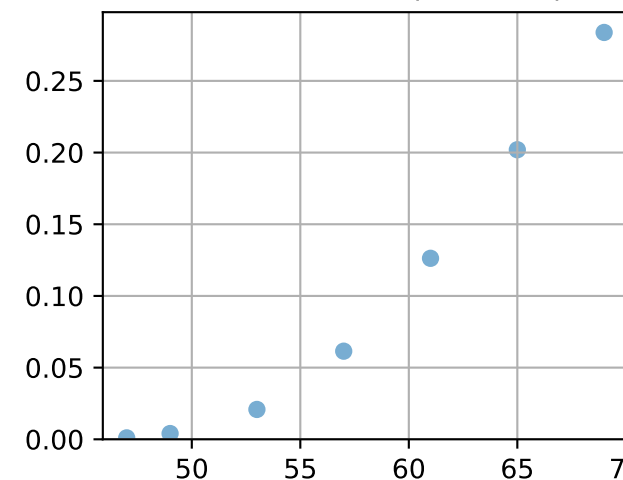
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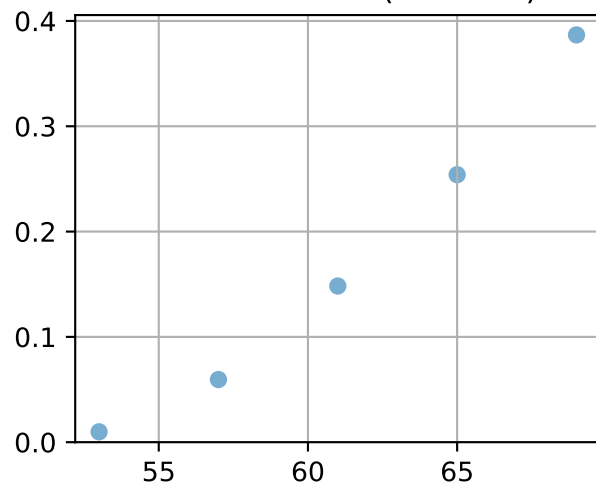
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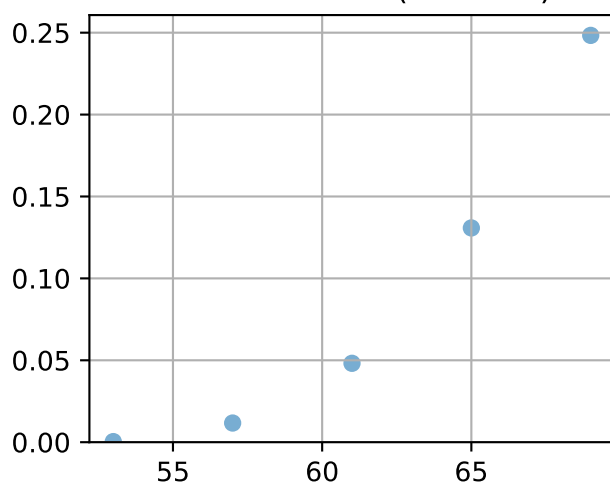
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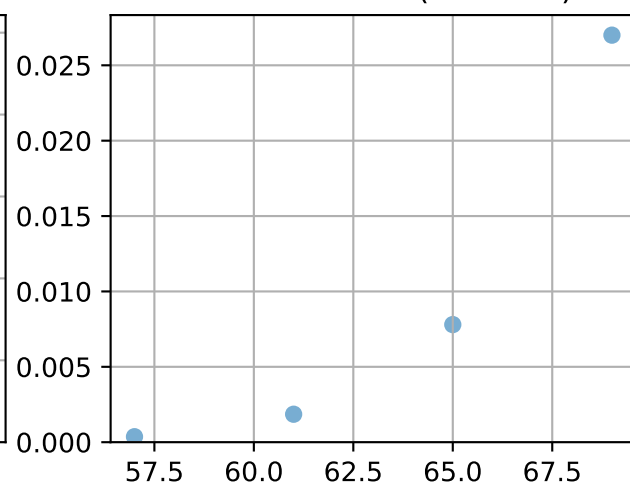
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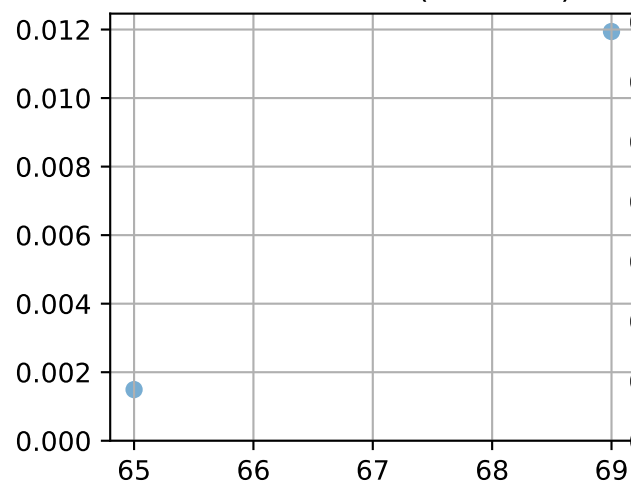
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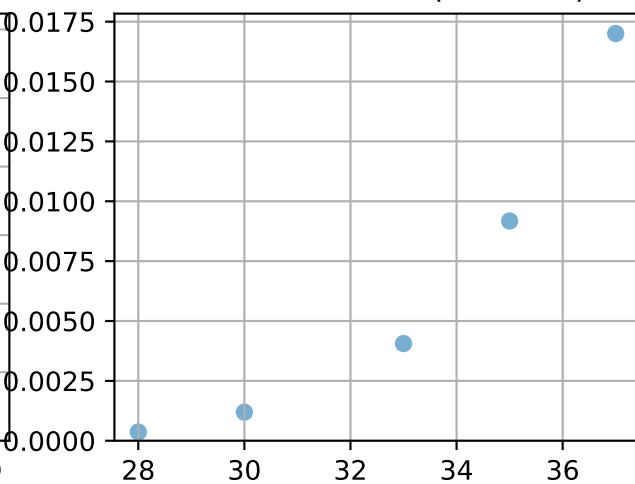
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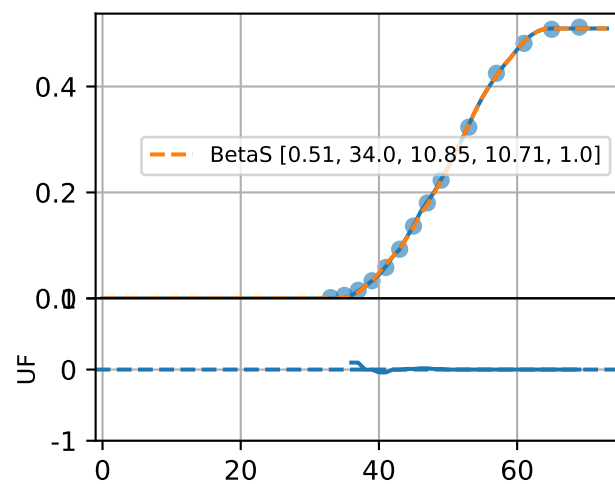
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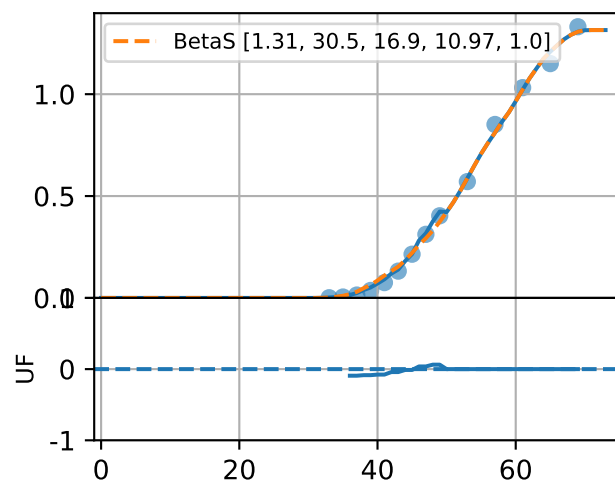
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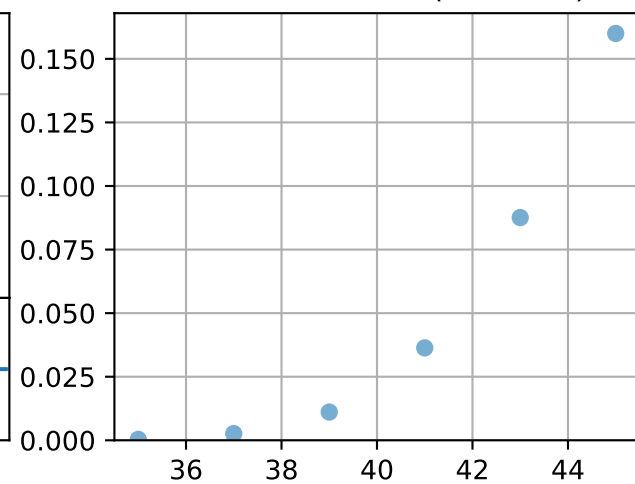
P3-075-19T1Fr5



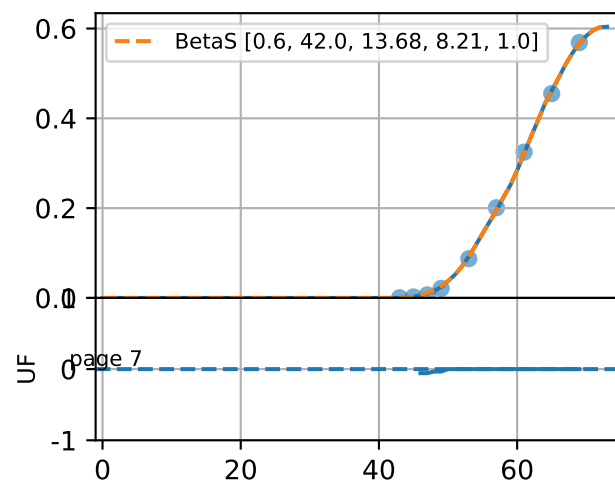
P3-075-19T2Fr1



P3-075-19T2Fr5 (fit failed)

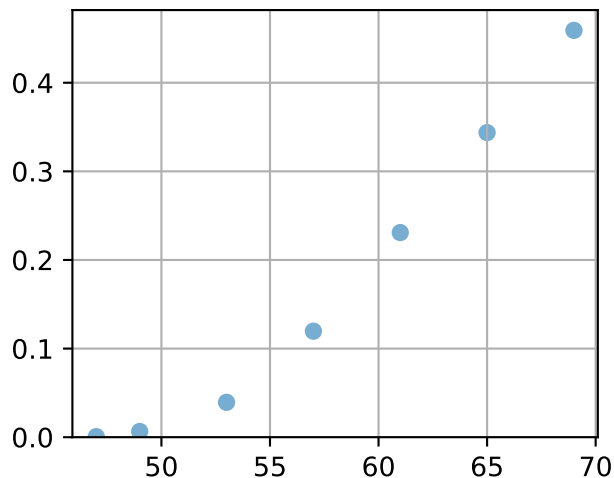


P3-075-19T3Fr1

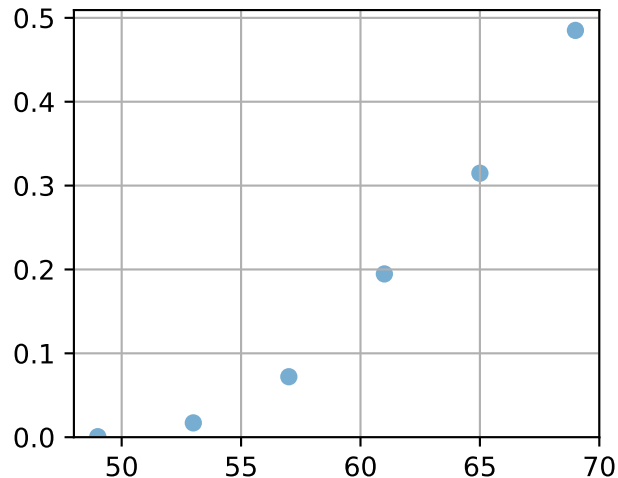


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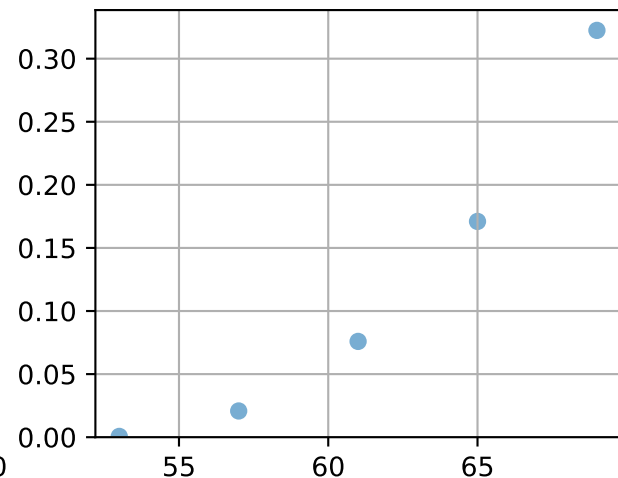
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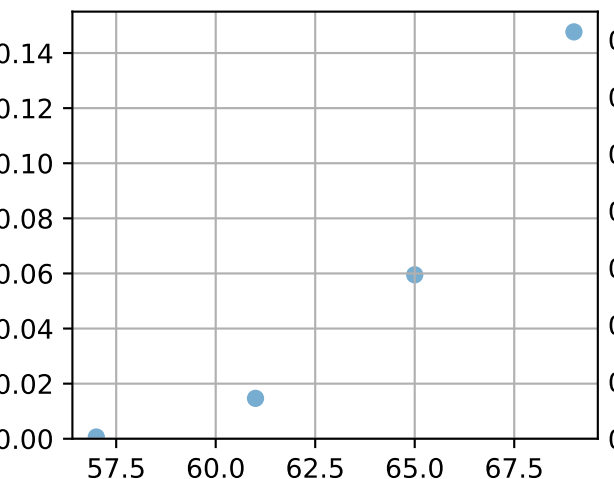
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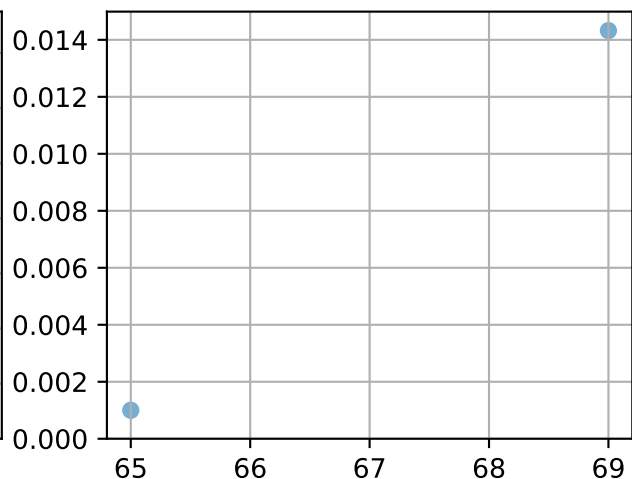
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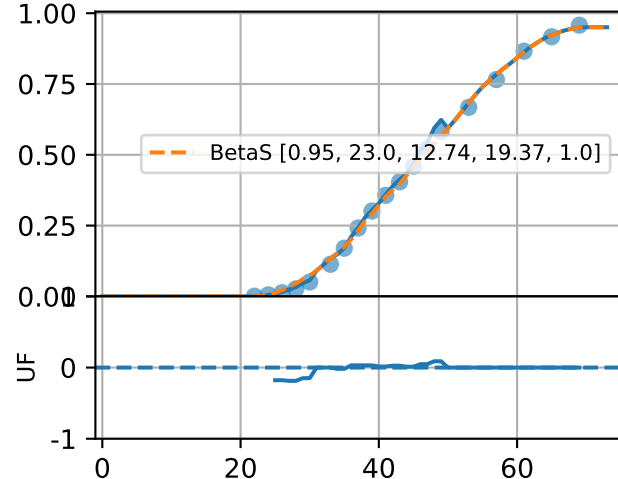
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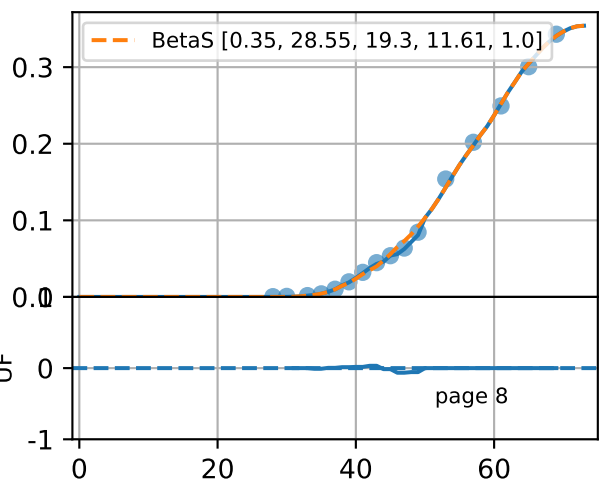
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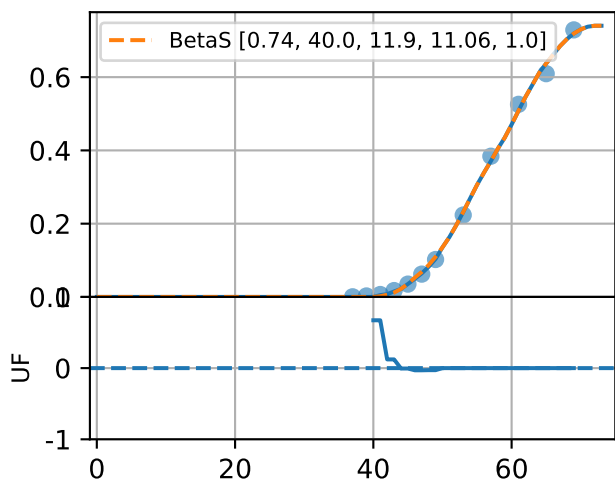
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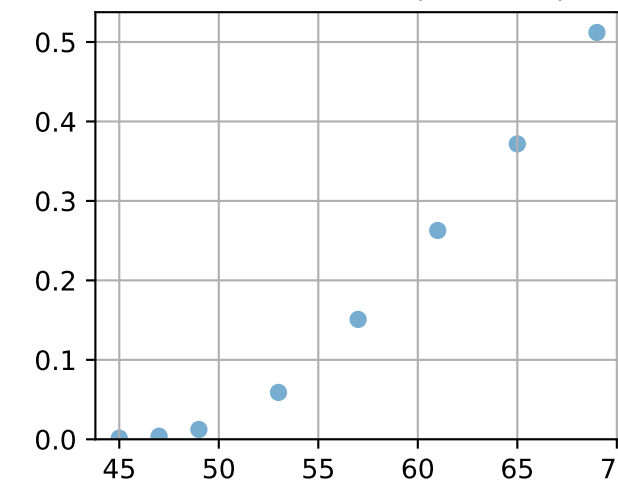
P3-084-11T1Fr5



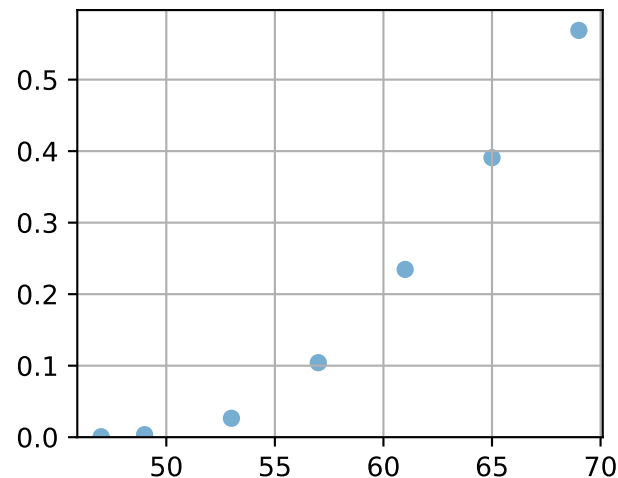
P3-084-11T2Fr5



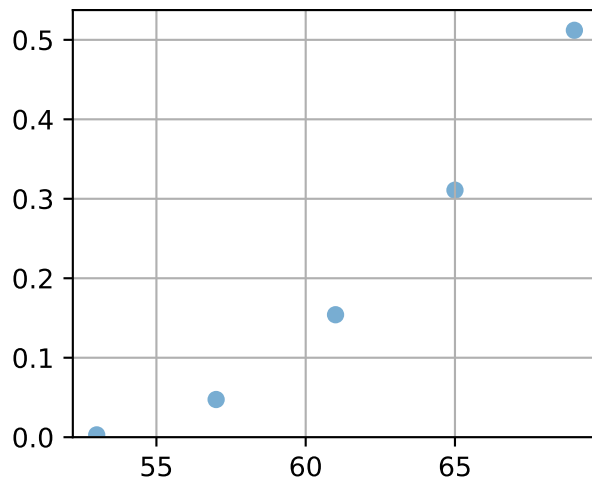
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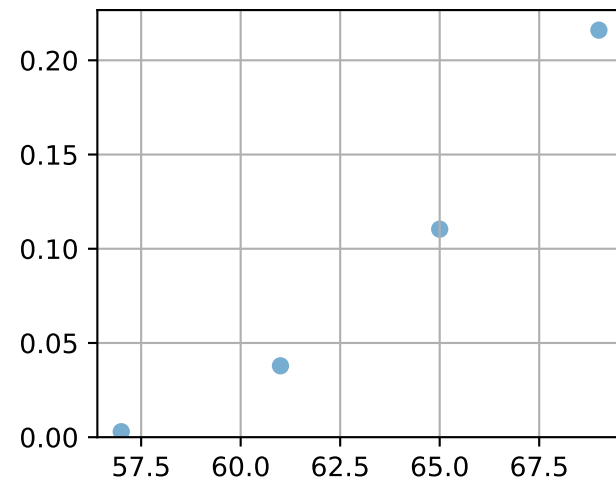
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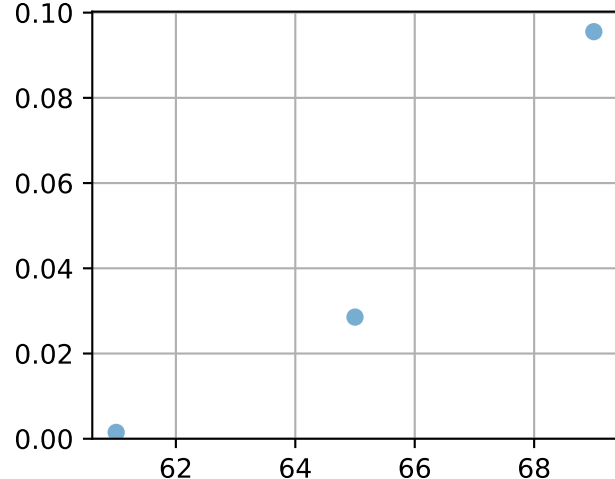
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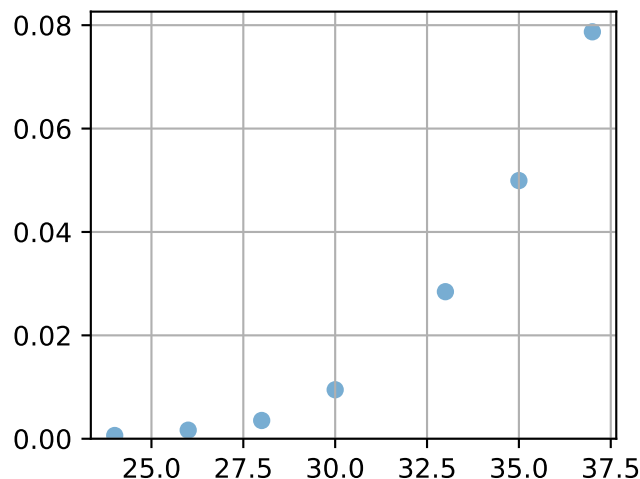
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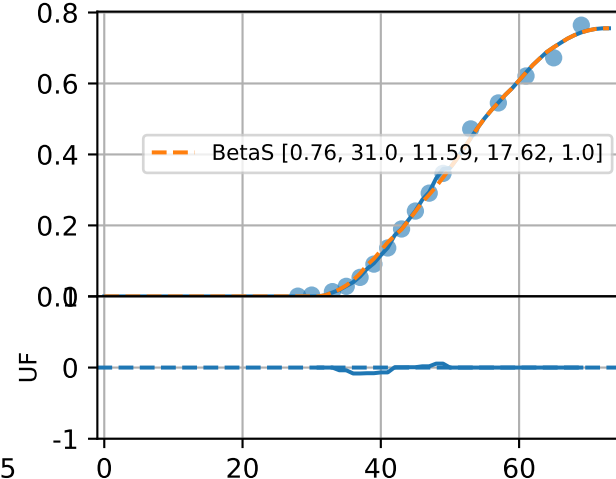
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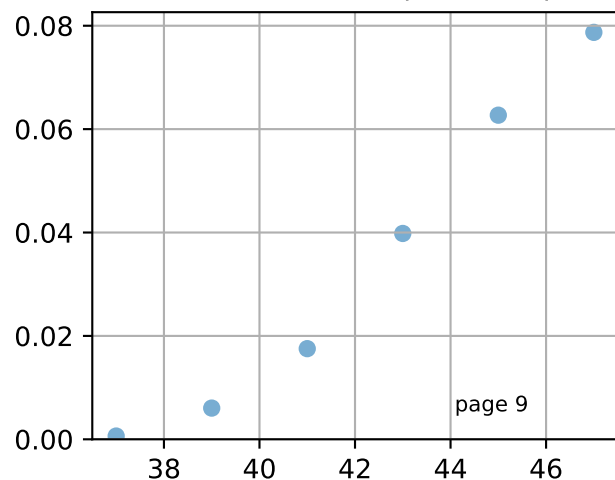
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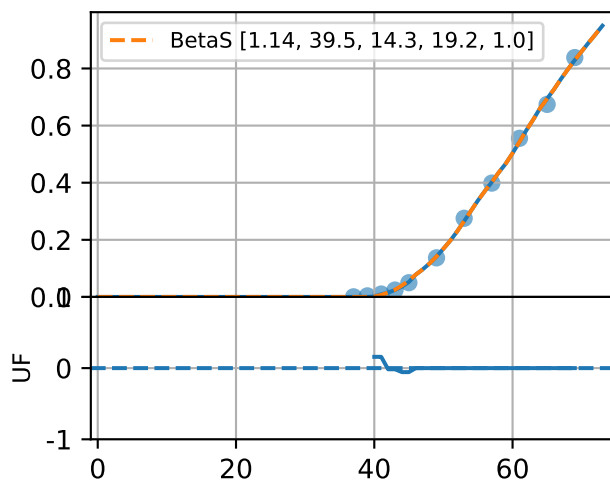
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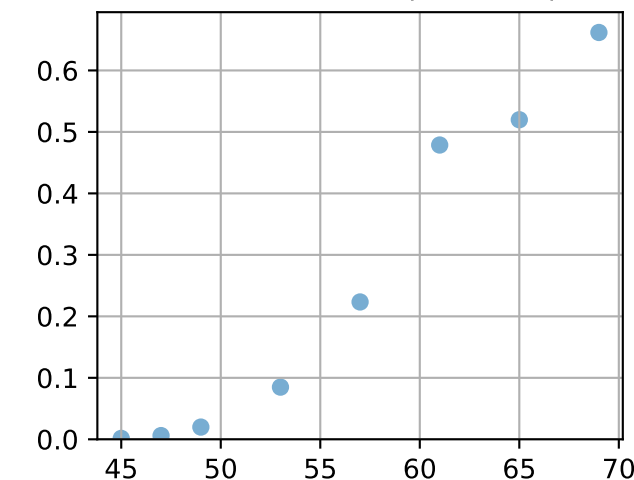
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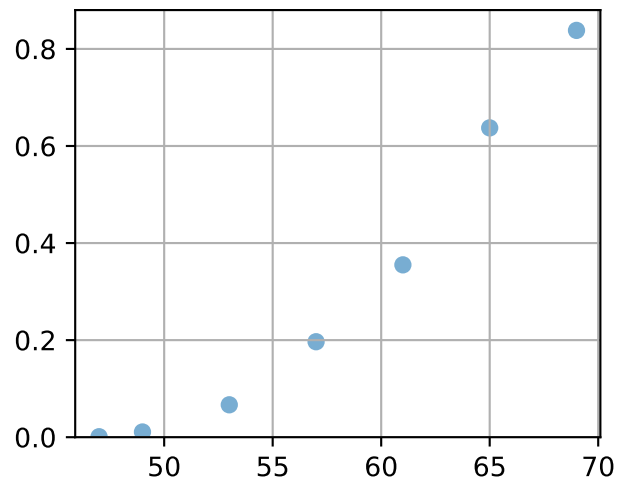
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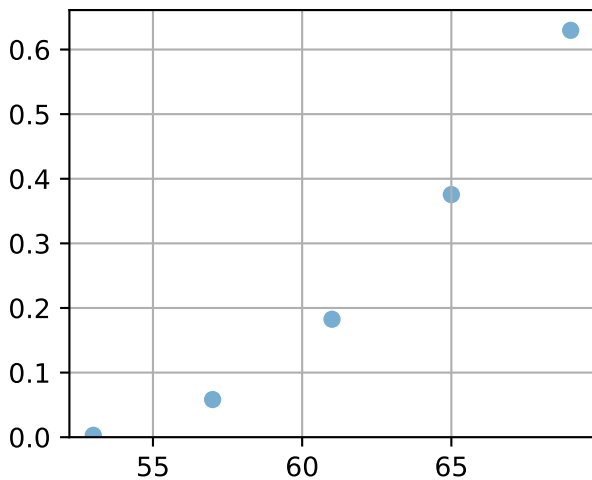
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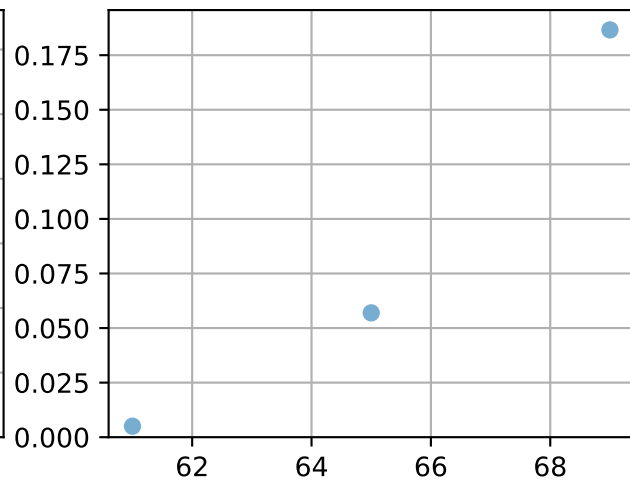
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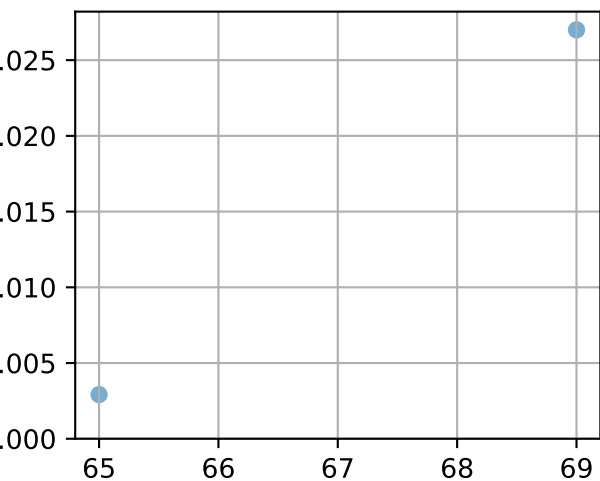
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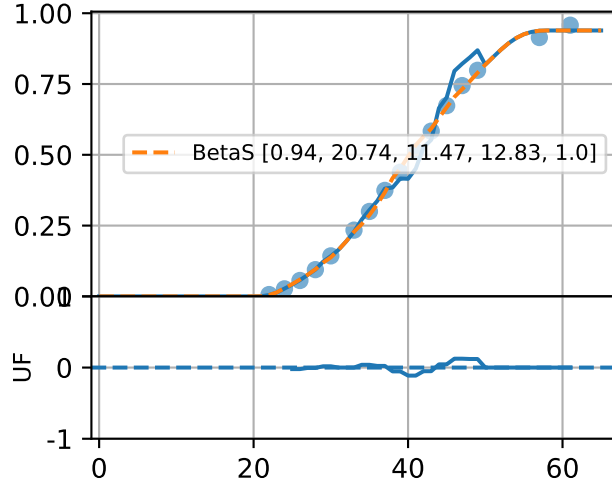
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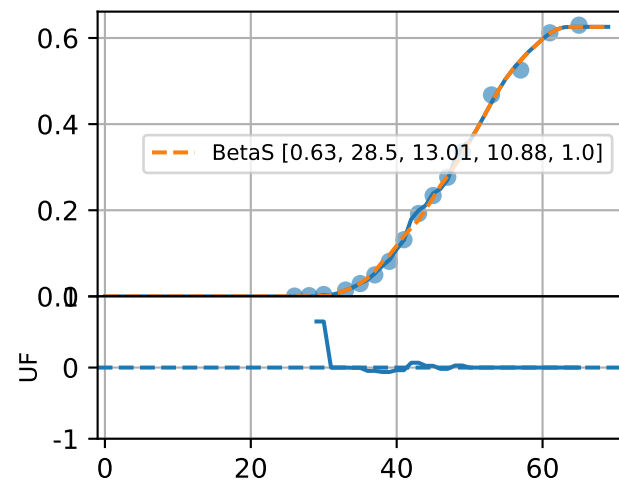
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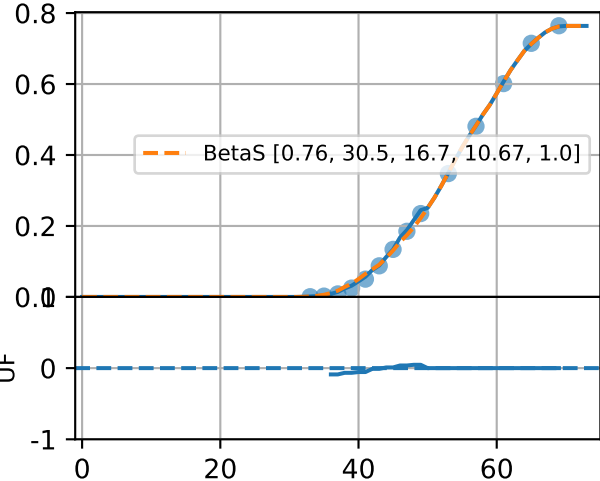
P3-110-23T1Fr1



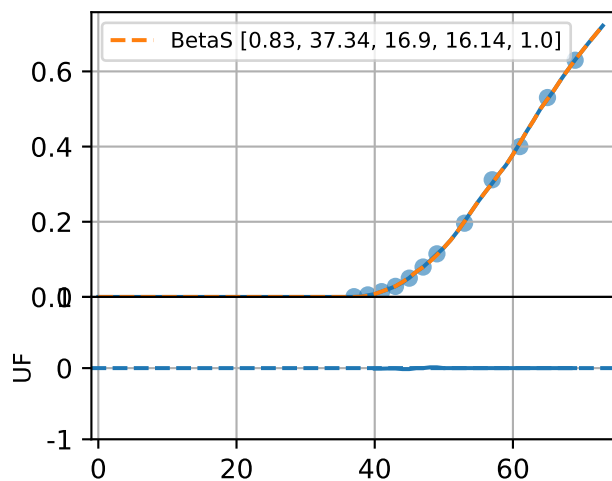
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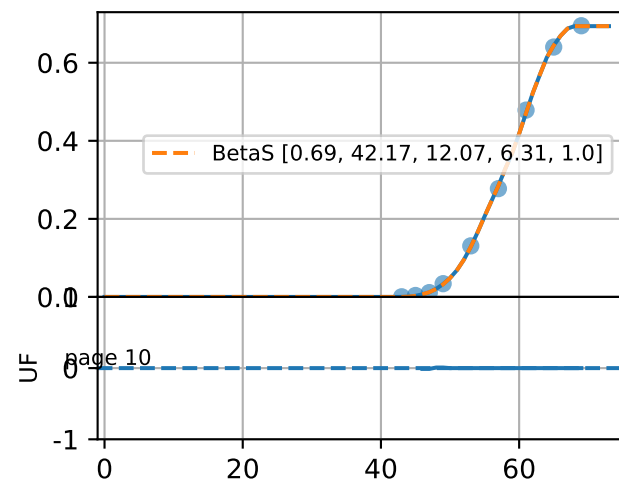
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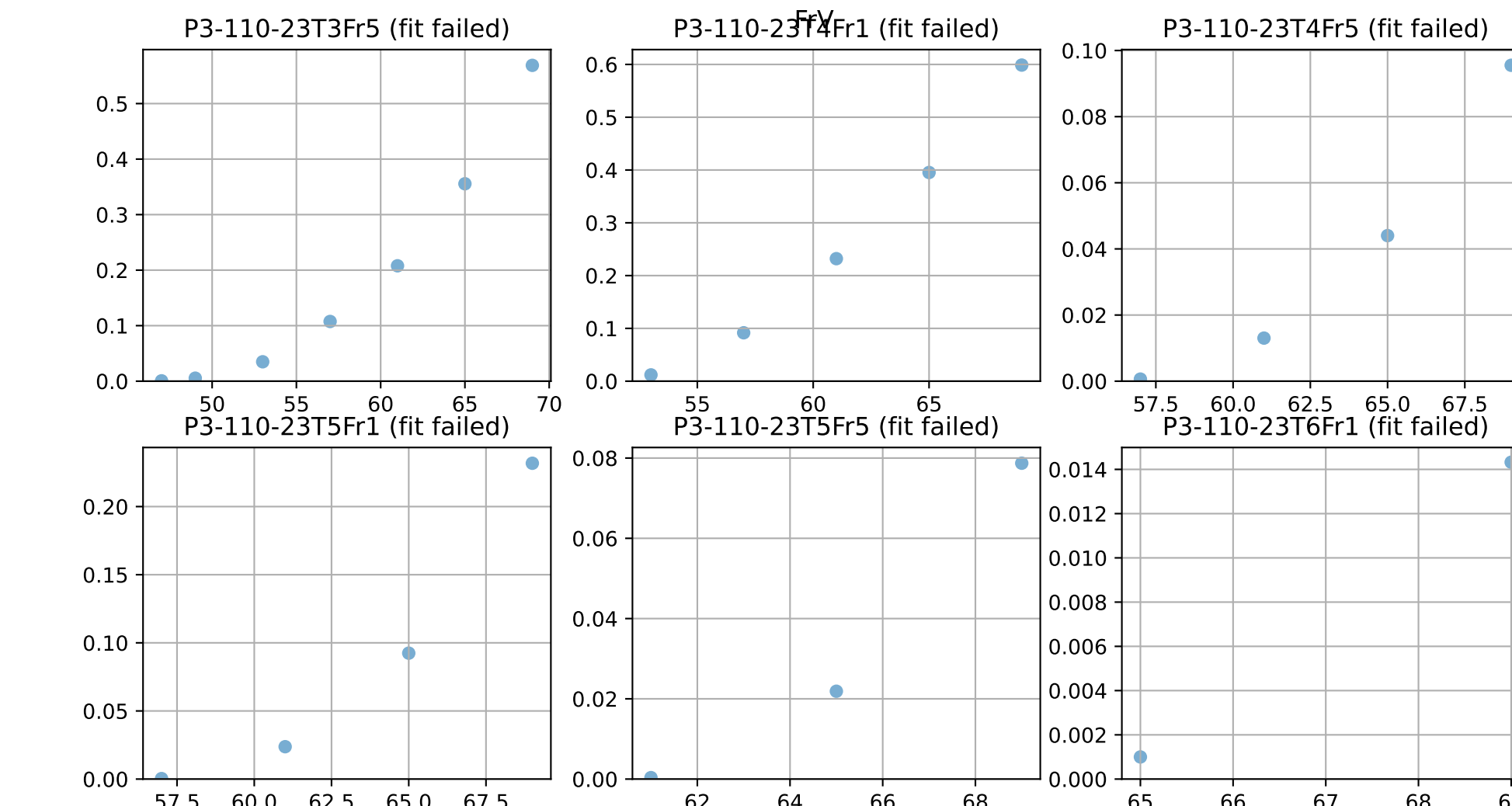


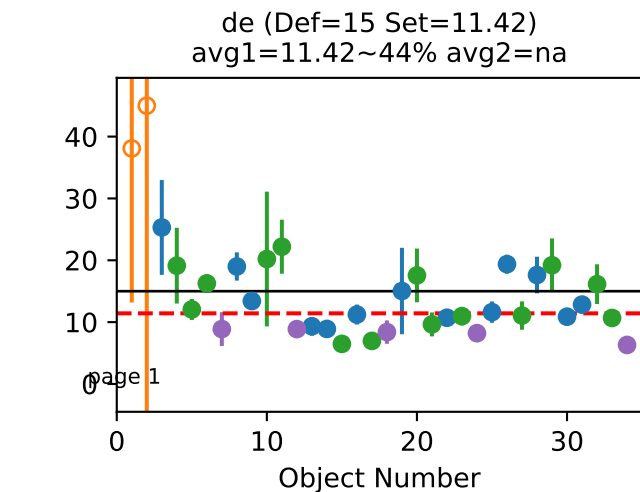
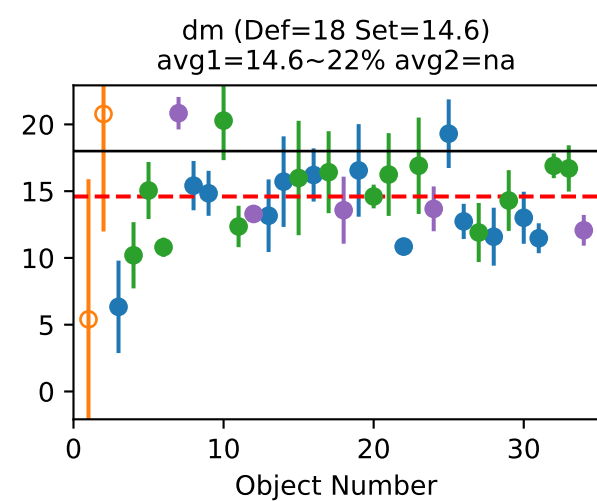
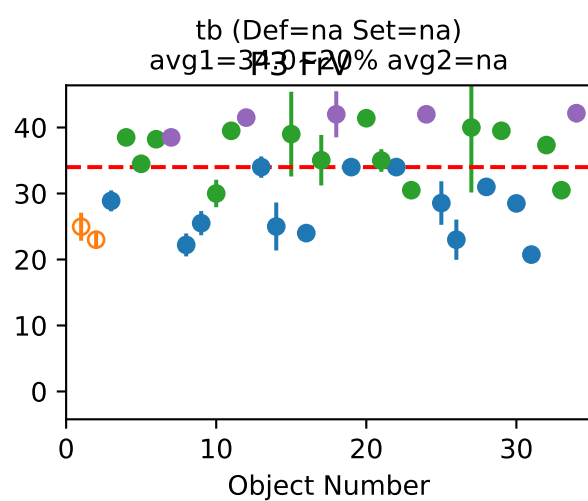
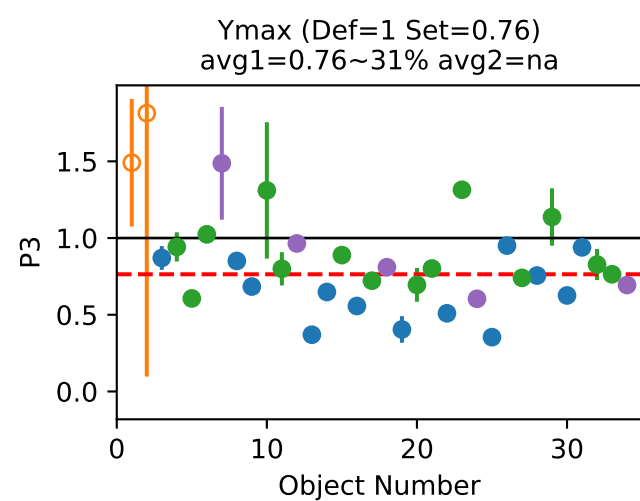
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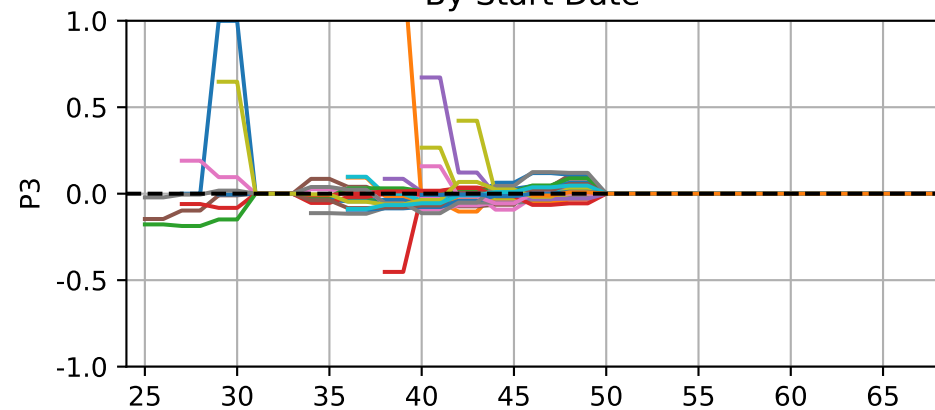
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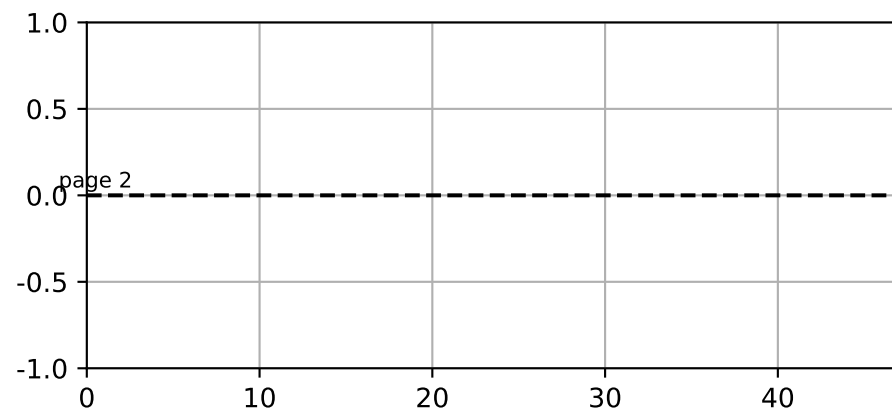
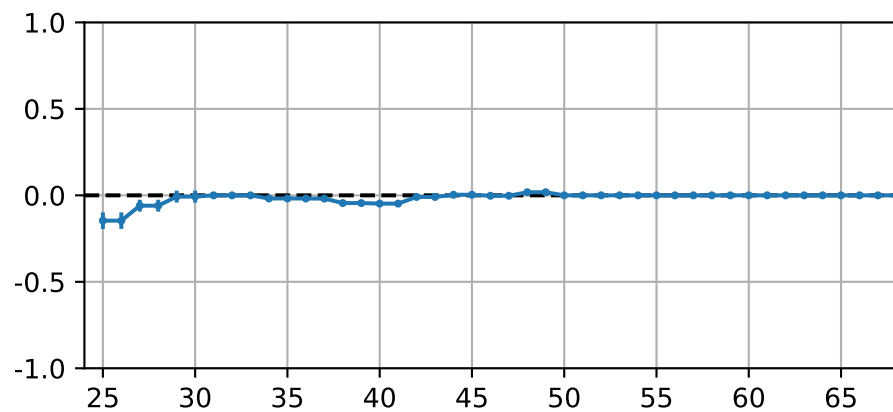
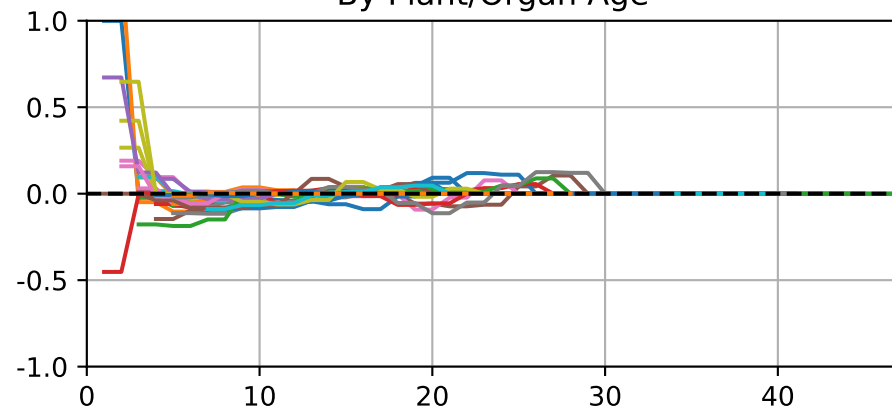




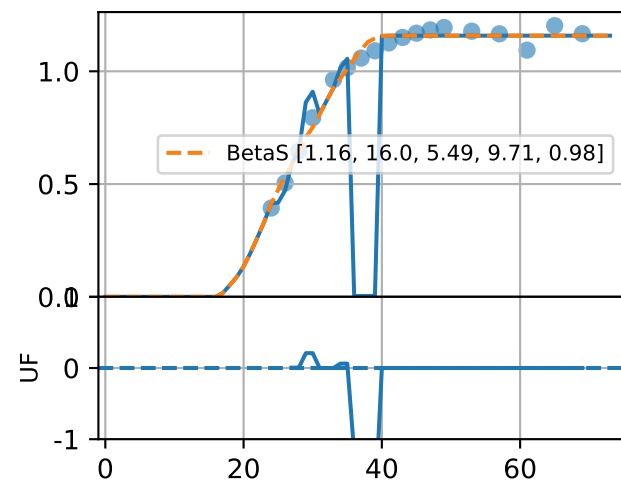
By Start Date



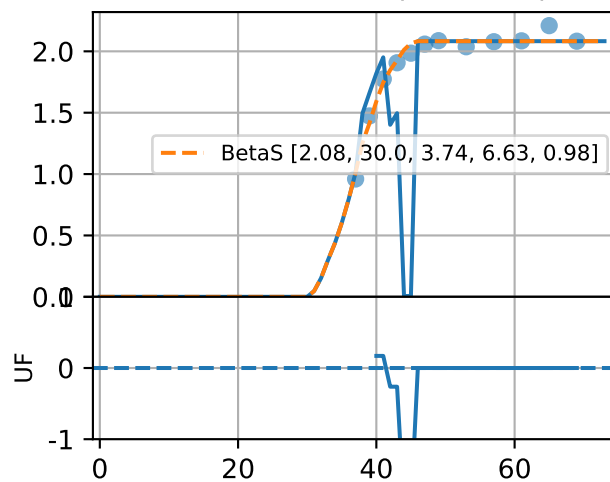
By Plant/Organ Age



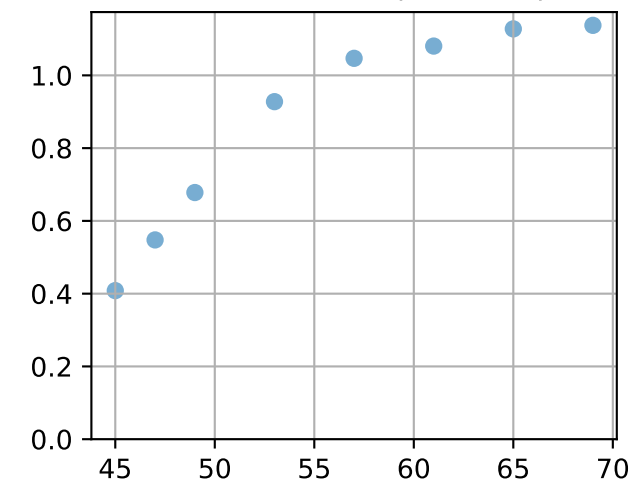
P3-009-13L10



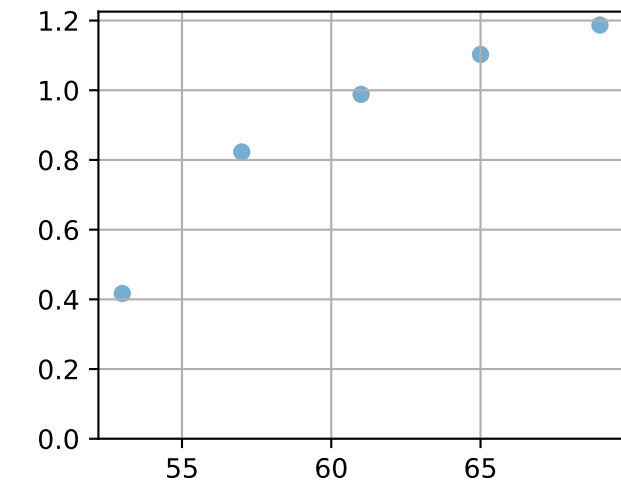
P3-009-13L15 (fit failed)



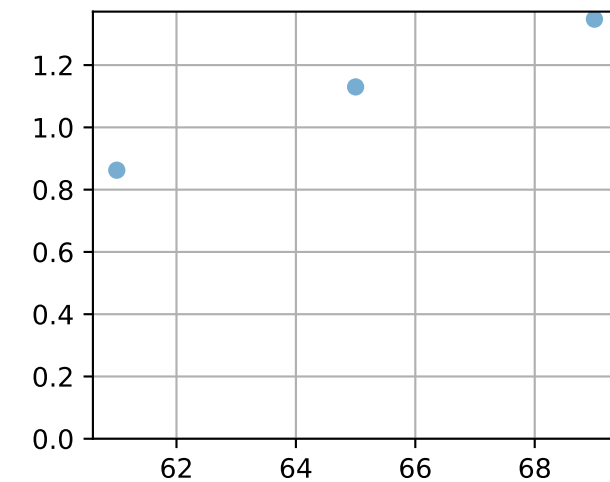
P3-009-13L18 (fit failed)



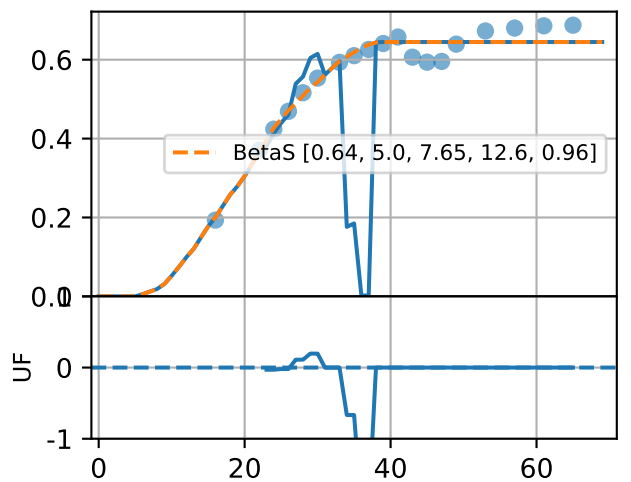
P3-009-13L21 (fit failed)



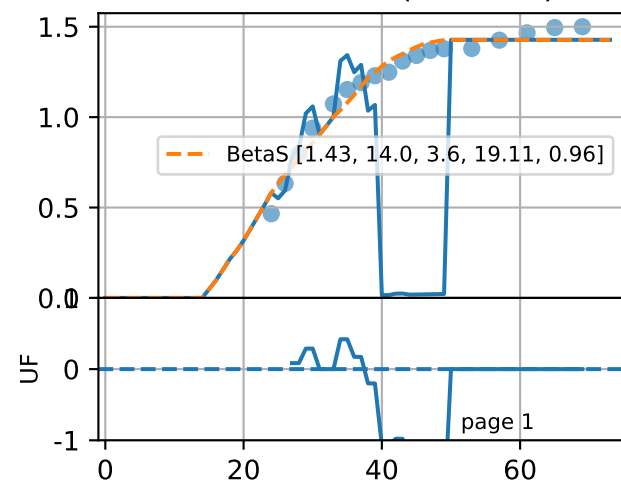
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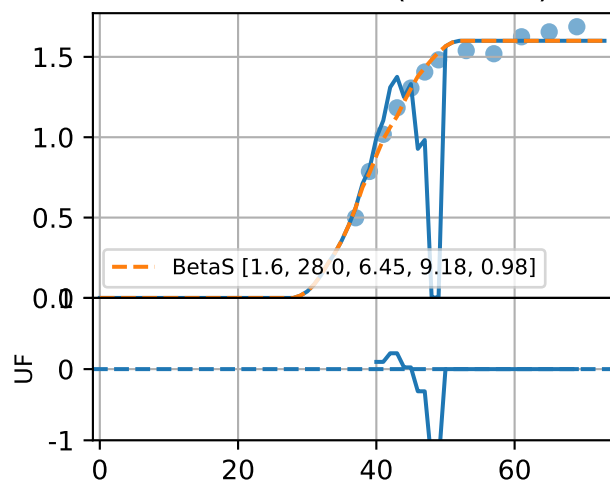
P3-009-13L7 (fit failed)



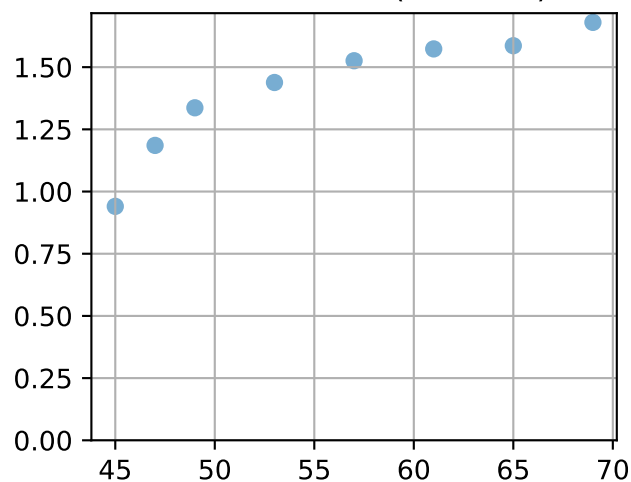
P3-021-19L10 (fit failed)



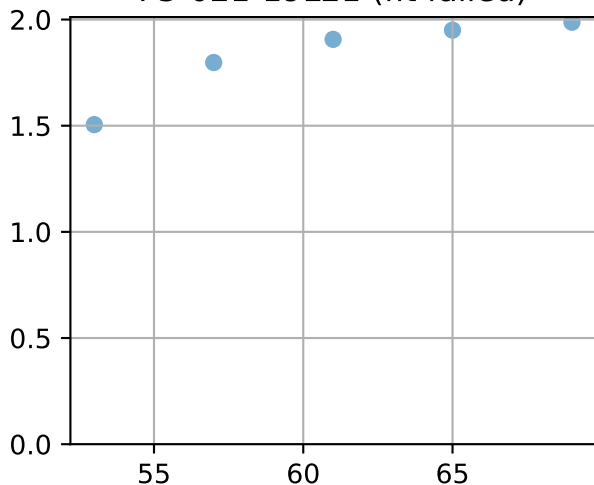
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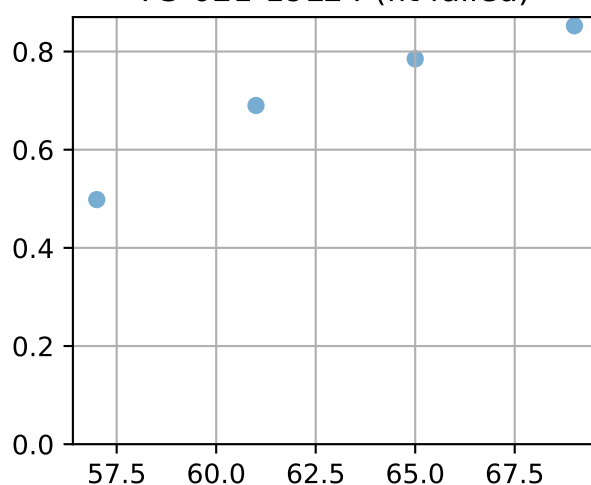
P3-021-19L18 (fit failed)



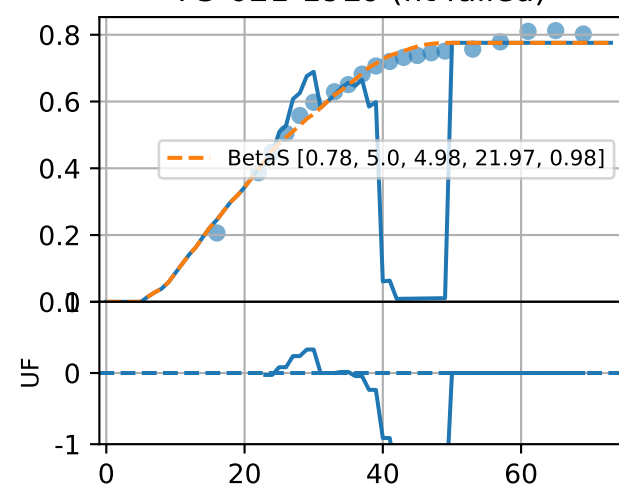
P3-021-19L21 (fit failed)



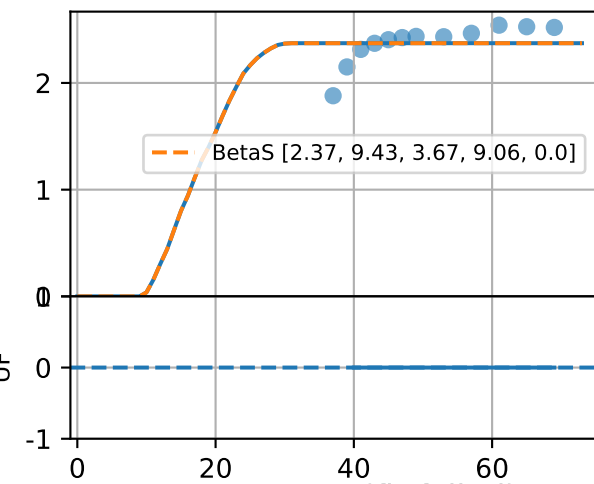
P3-021-19L24 (fit failed)



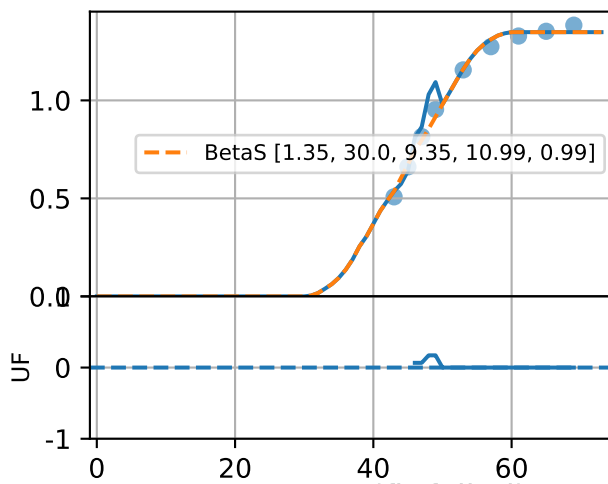
P3-021-19L6 (fit failed)



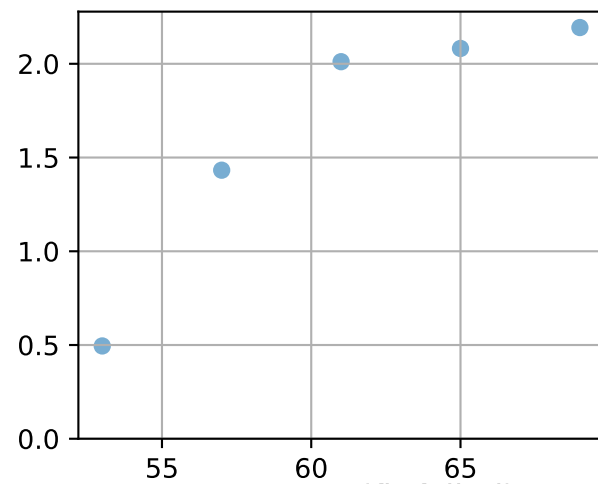
P3-034-5L12 (fit failed)



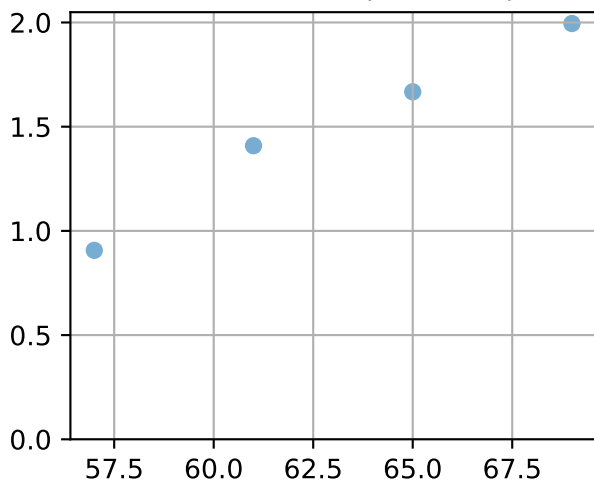
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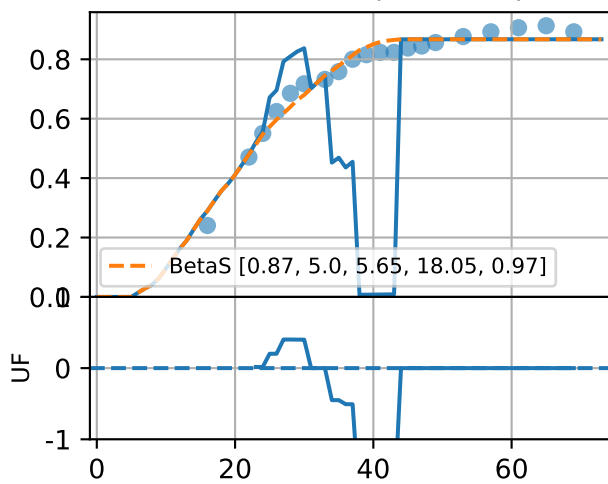
P3-034-5L19 (fit failed)



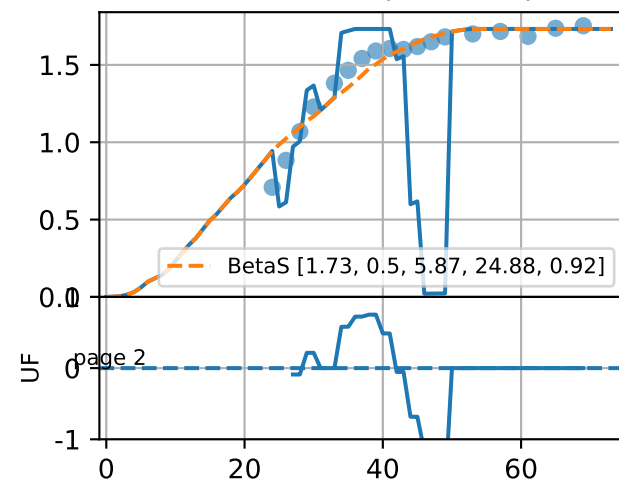
P3-034-5L22 (fit failed)



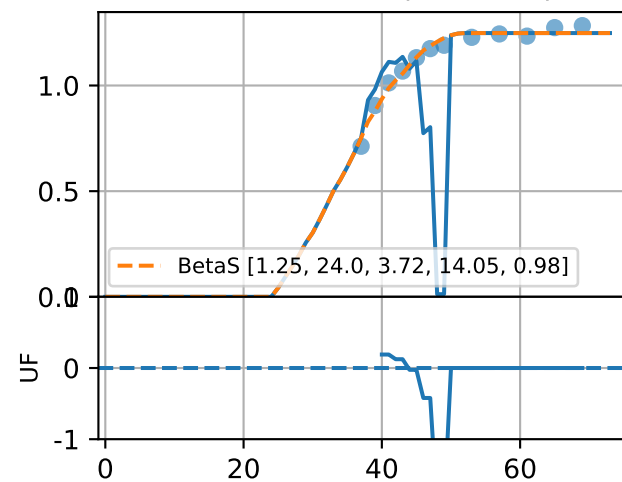
P3-034-5L6 (fit failed)



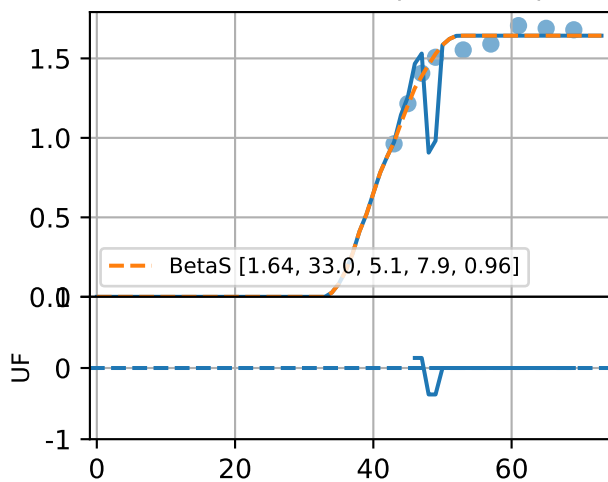
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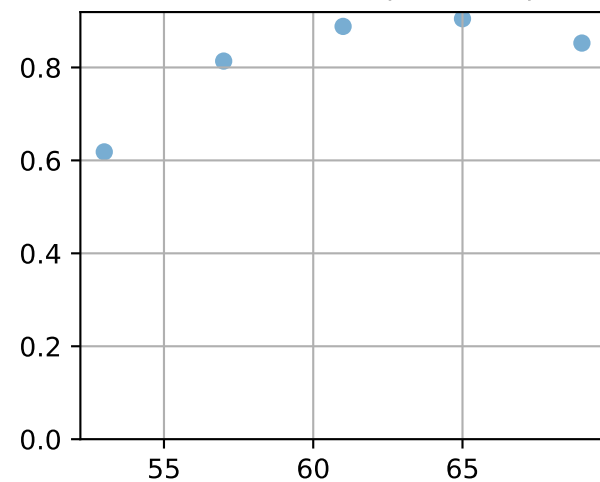
P3-045-17L12 (fit failed)



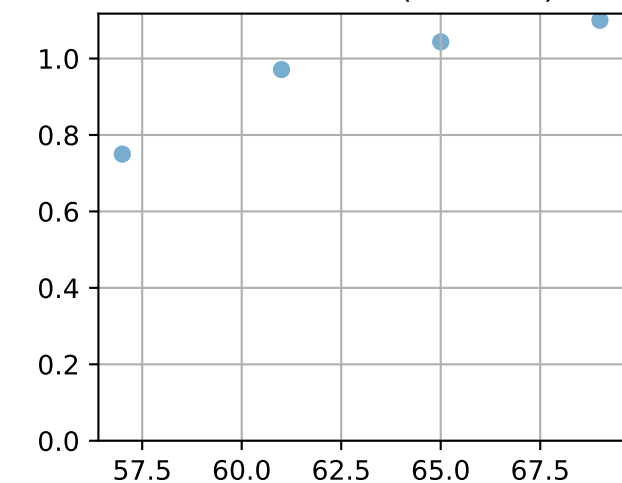
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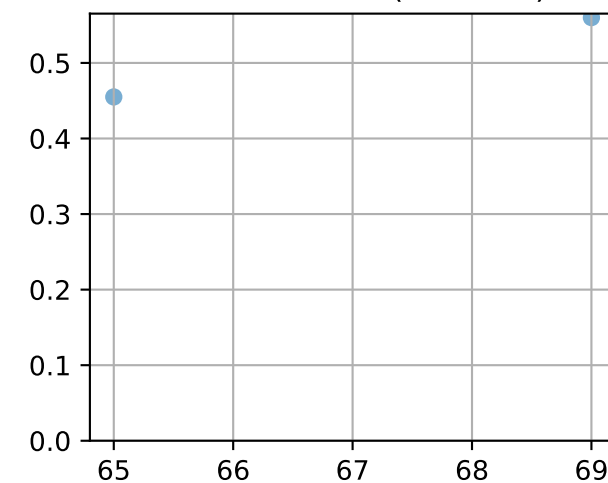
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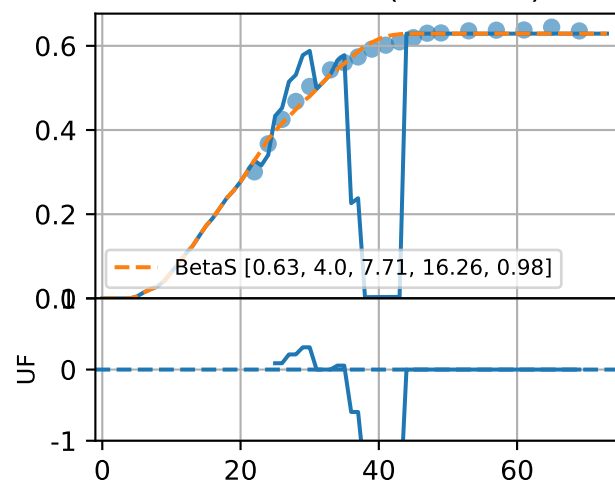
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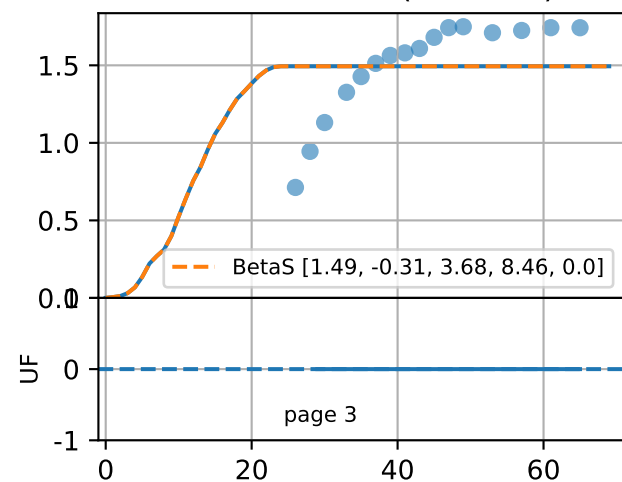
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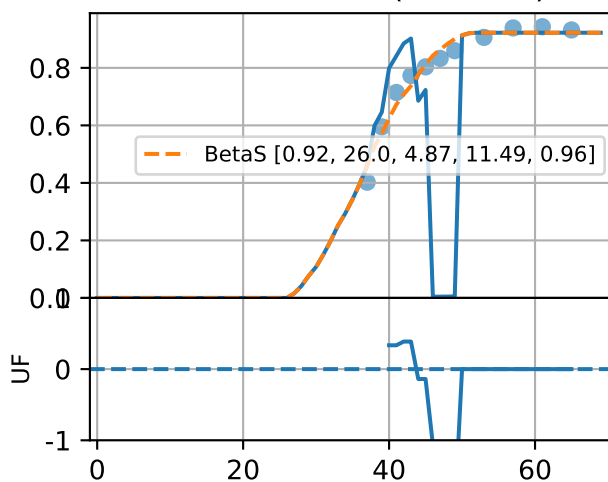
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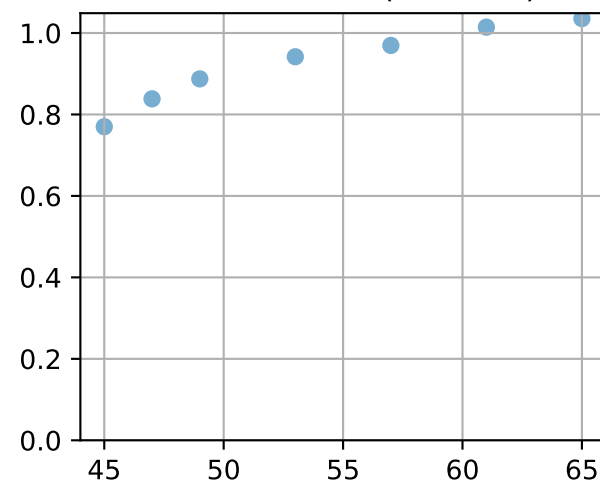
P3-054-28L10 (fit failed)



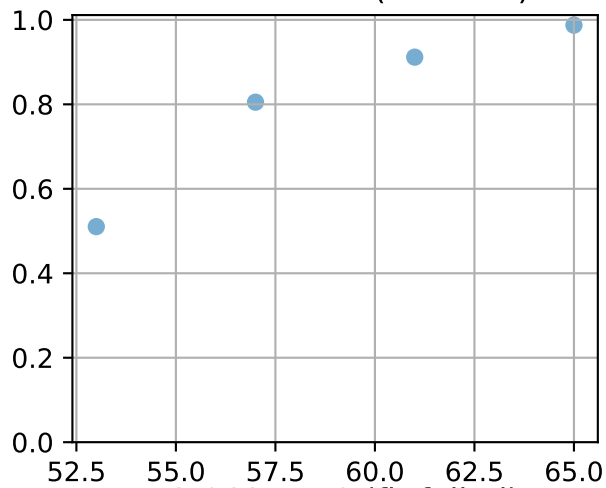
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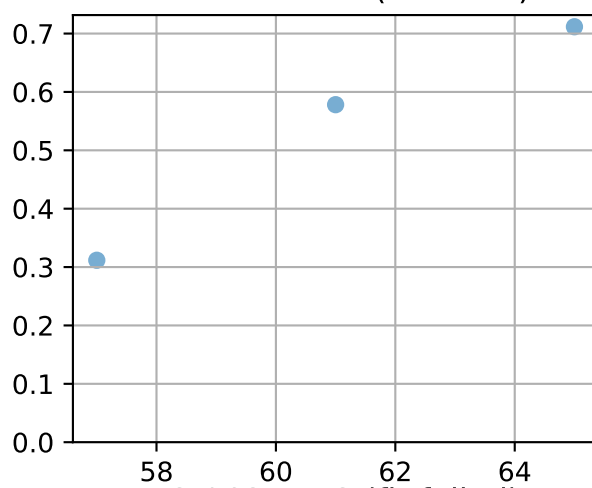
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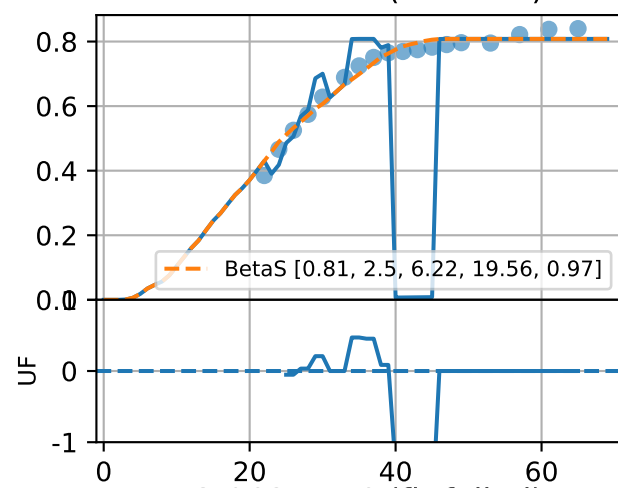
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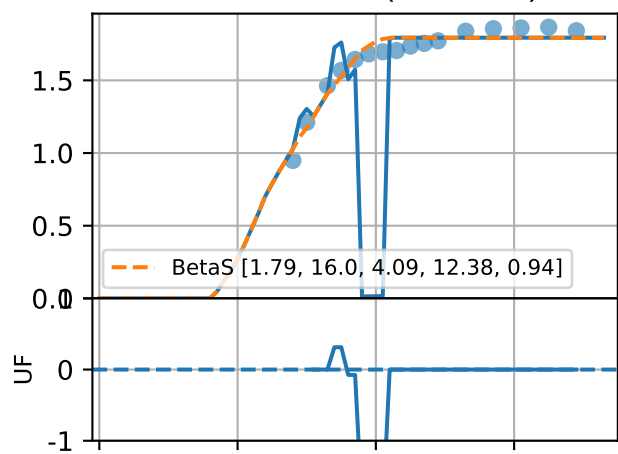
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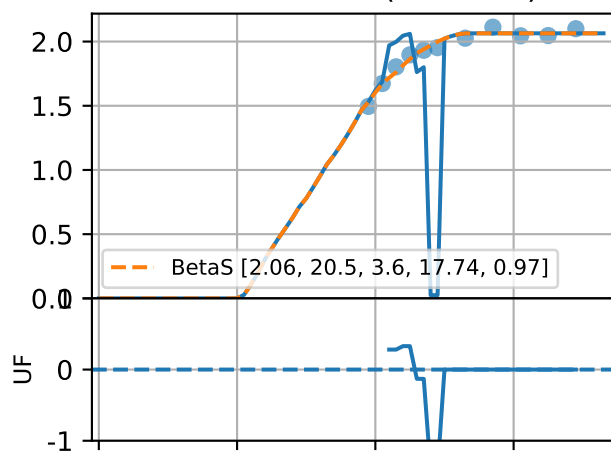
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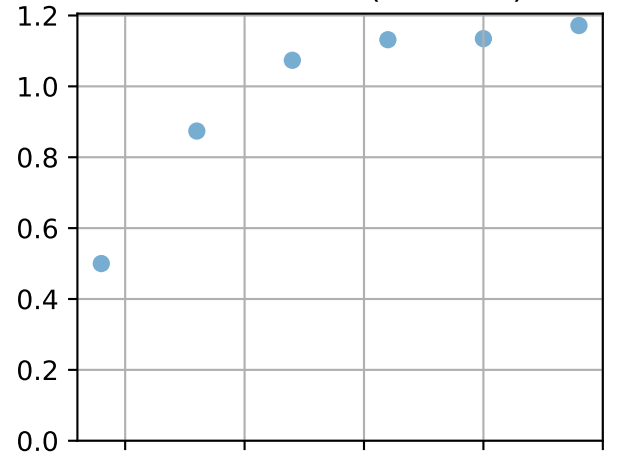
P3-068-4L10 (fit failed)



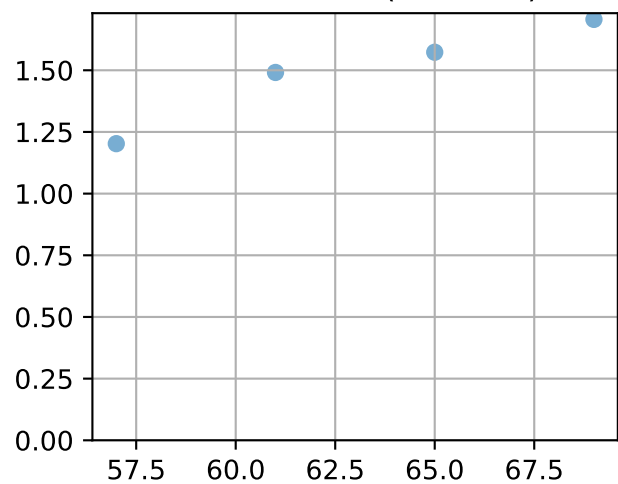
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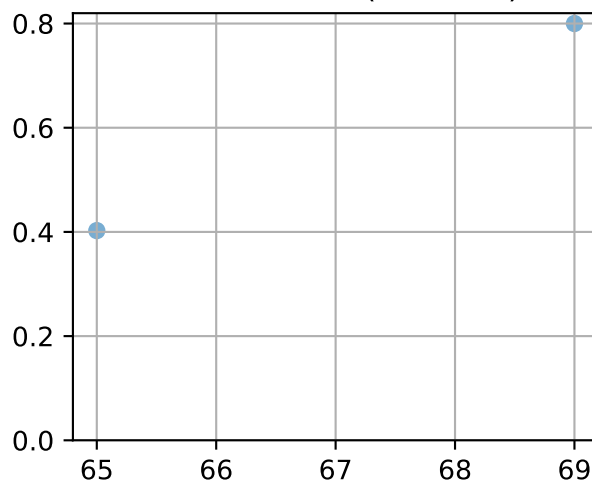
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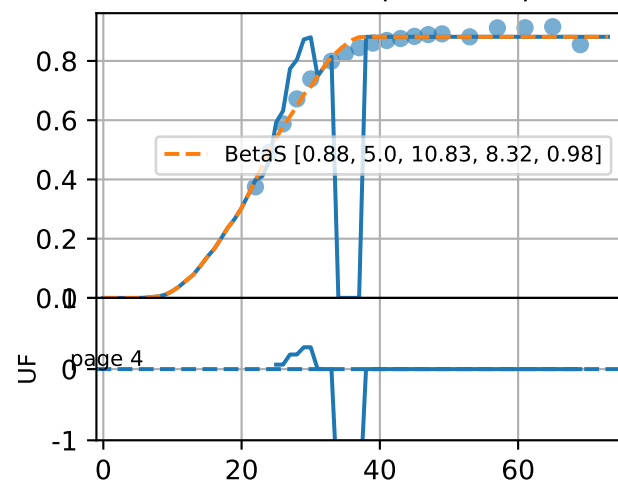
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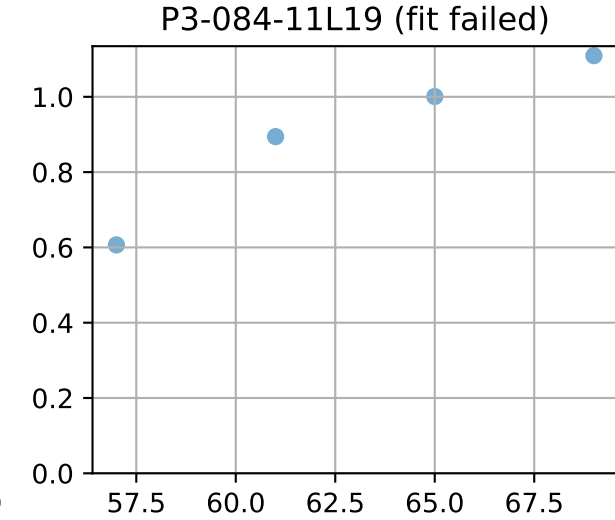
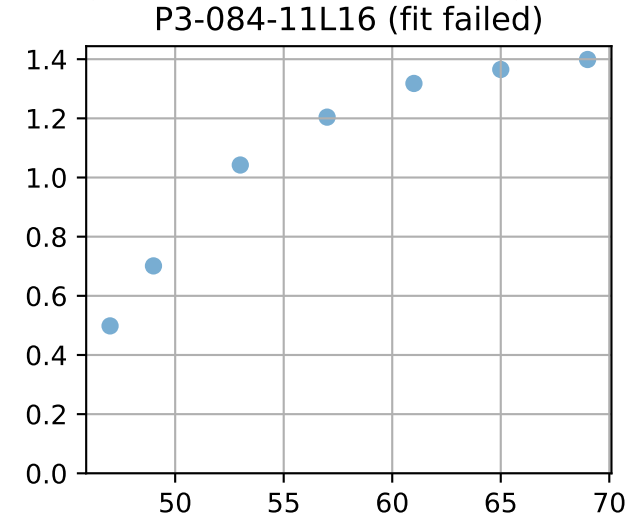
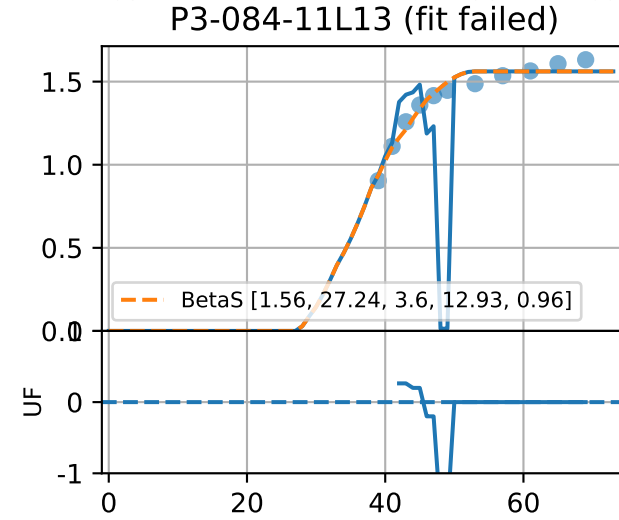
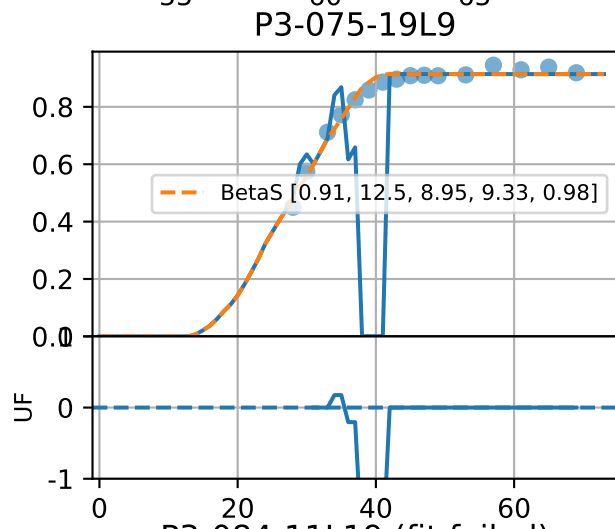
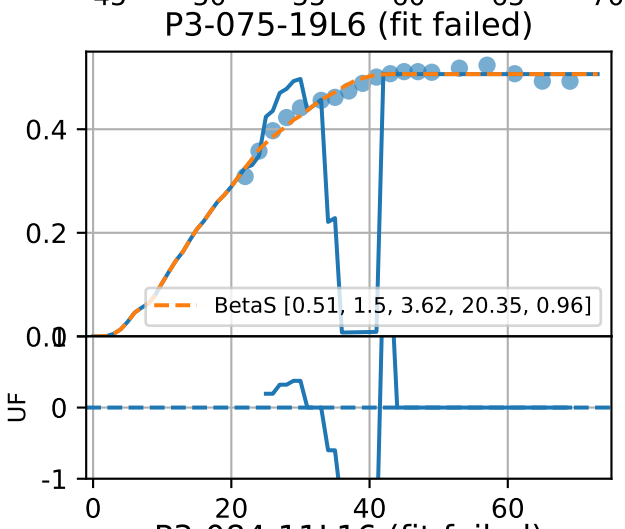
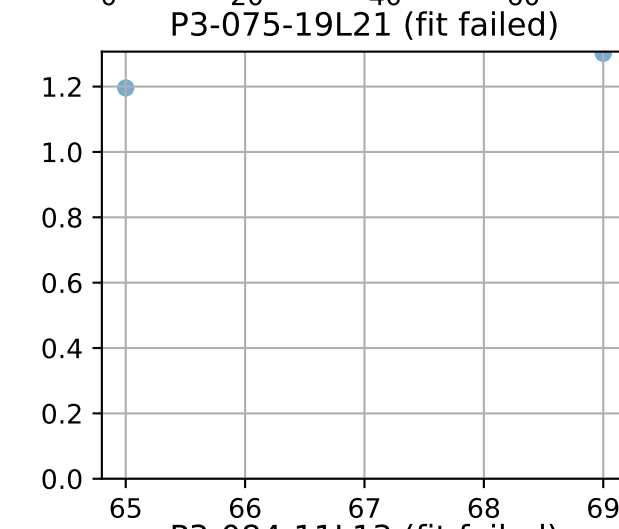
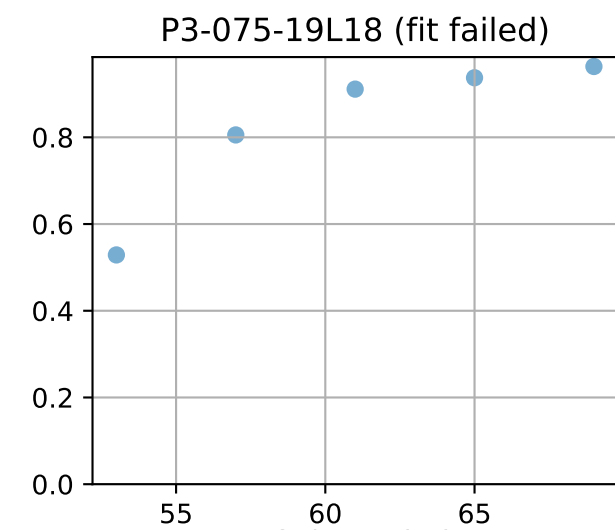
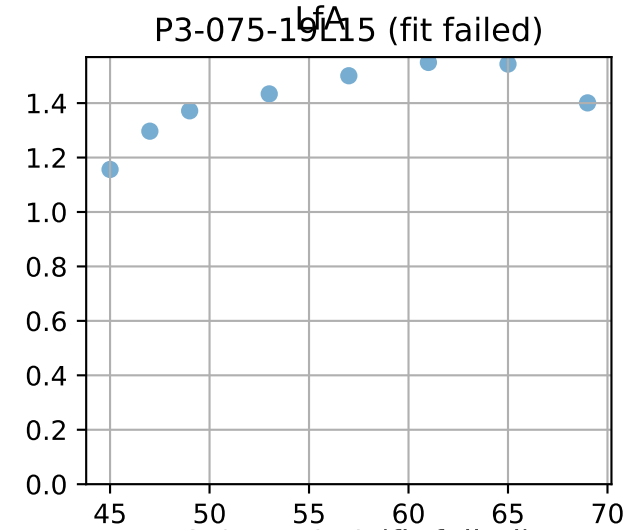
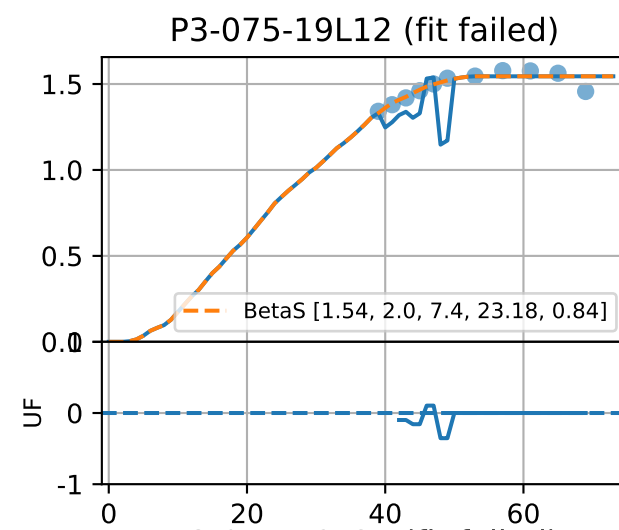


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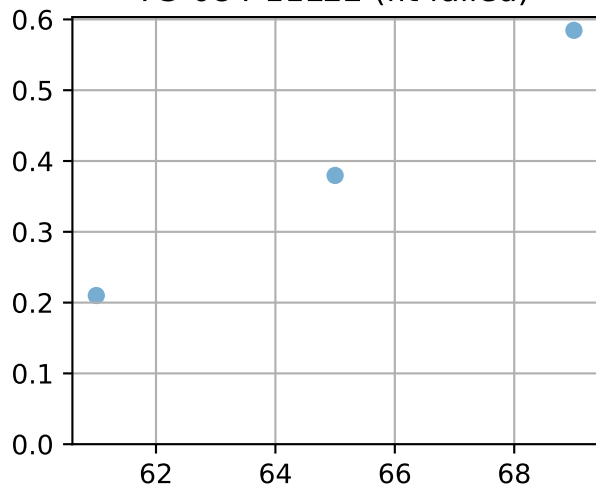


P3-068-4L7 (fit failed)

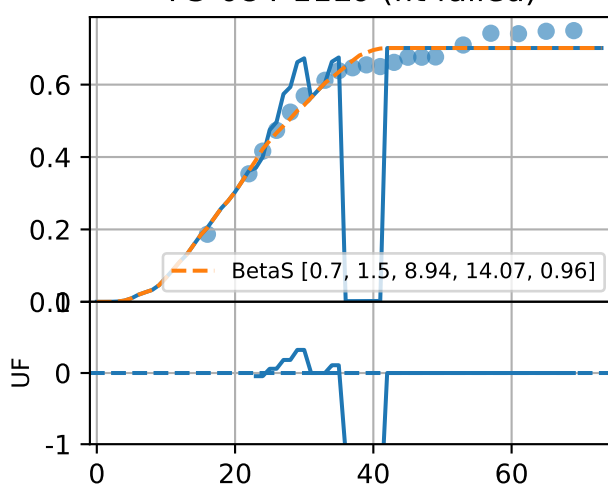




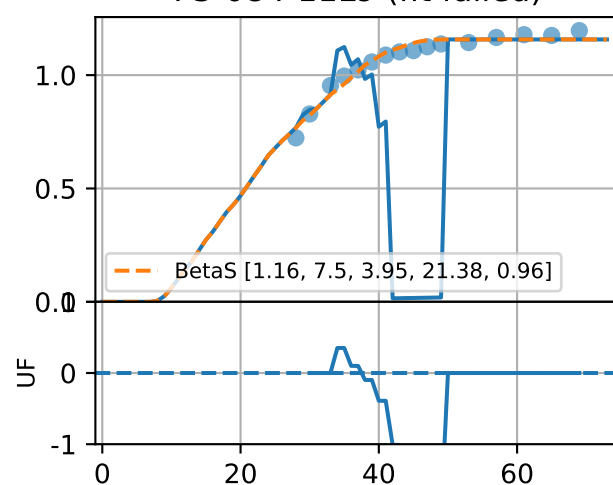
P3-084-11L22 (fit failed)



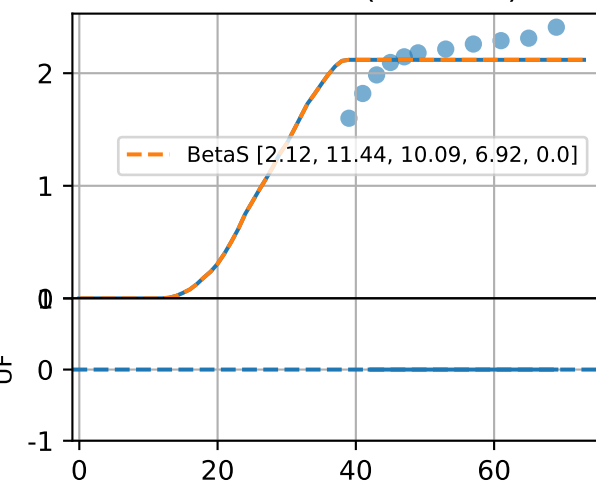
P3-084-11L6 (fit failed)



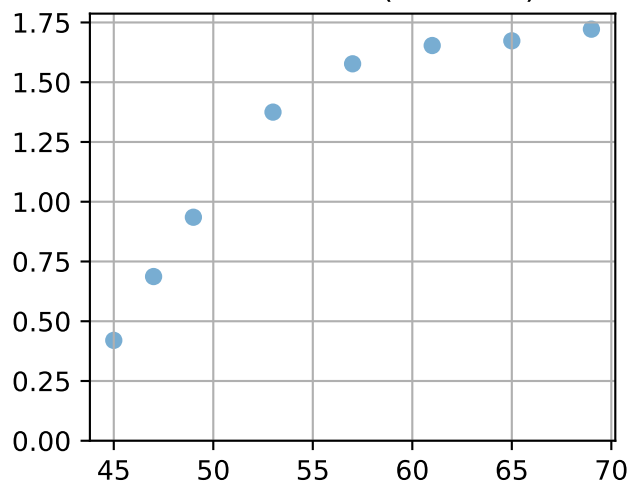
P3-084-11L9 (fit failed)



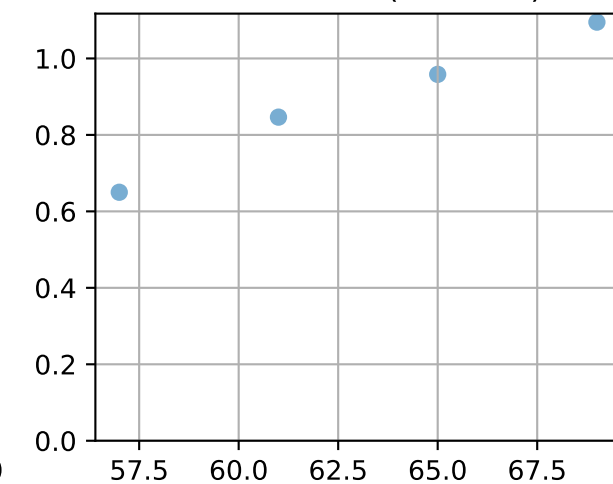
P3-099-4L12 (fit failed)



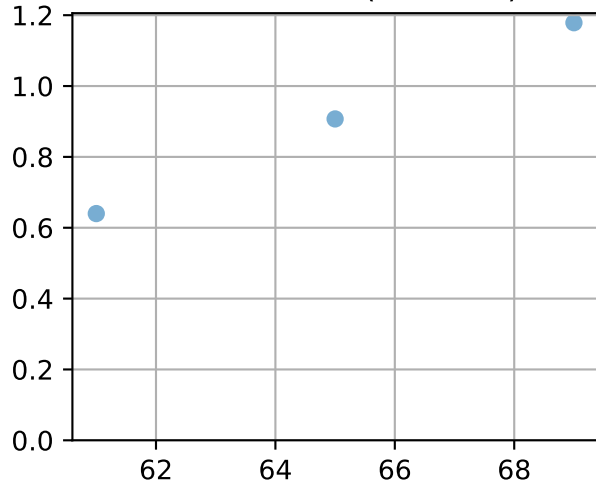
P3-099-4L15 (fit failed)



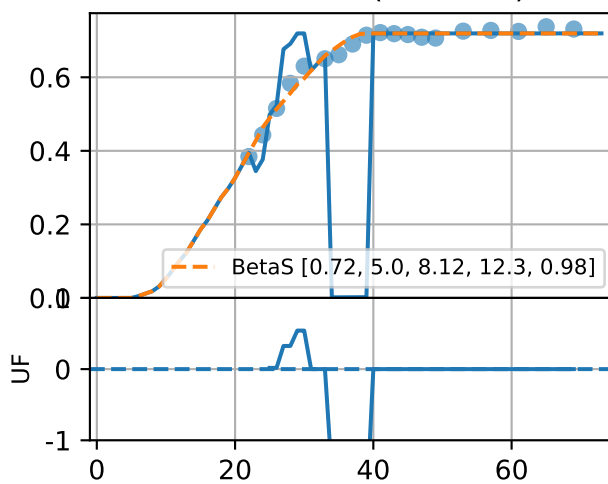
P3-099-4L18 (fit failed)



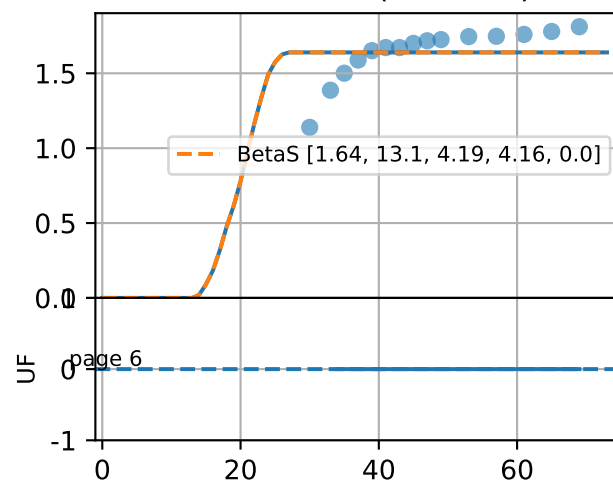
P3-099-4L21 (fit failed)



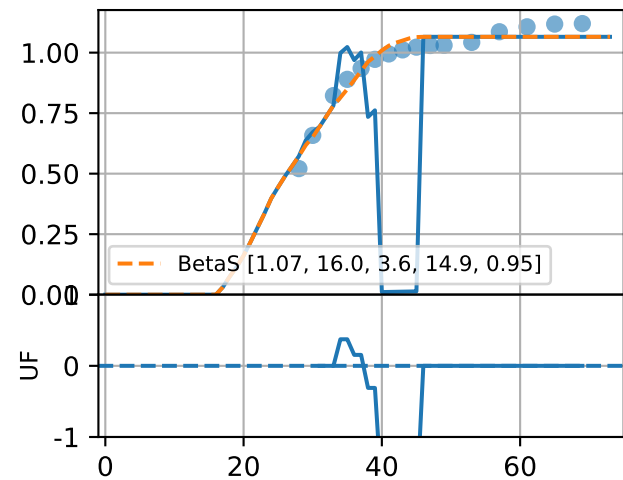
P3-099-4L6 (fit failed)



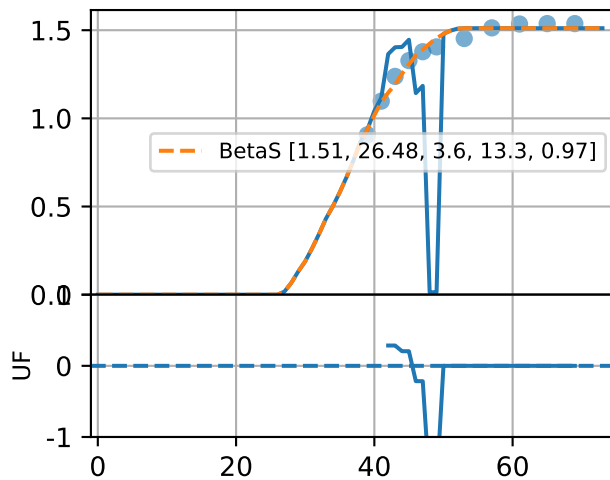
P3-099-4L9 (fit failed)



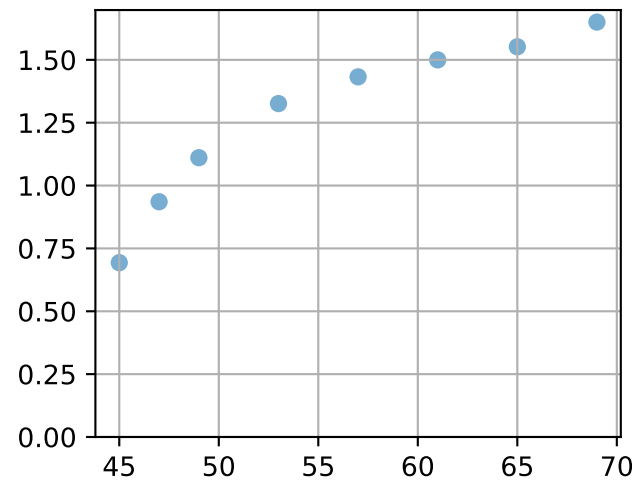
P3-110-23L10 (fit failed)



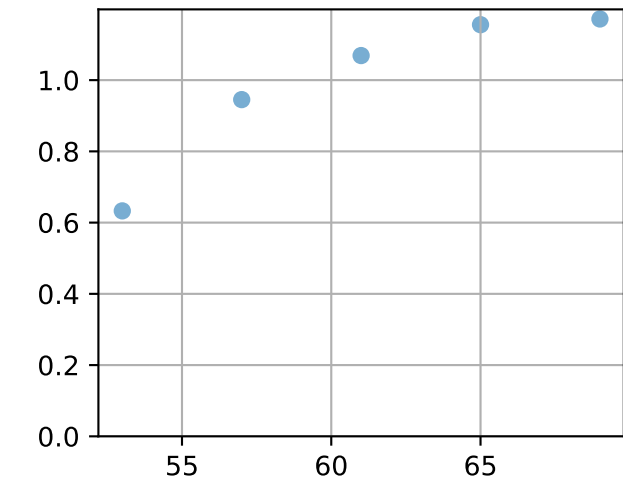
P3-110-23L14 (fit failed)



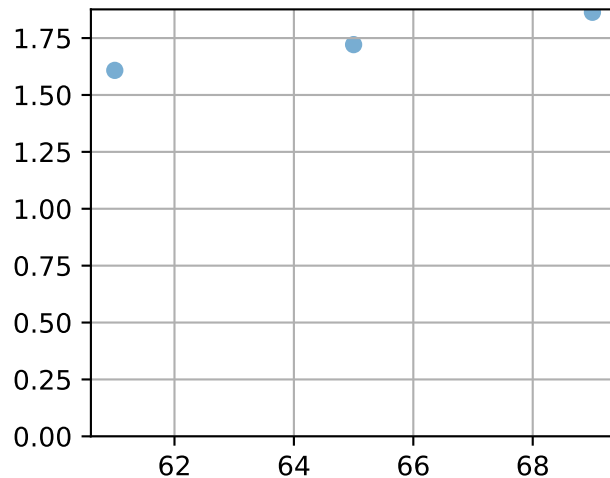
P3-110-23L17 (fit failed)



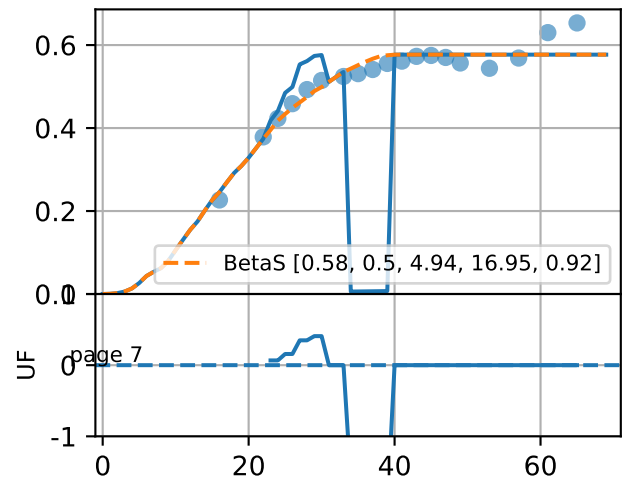
P3-110-23L20 (fit failed)

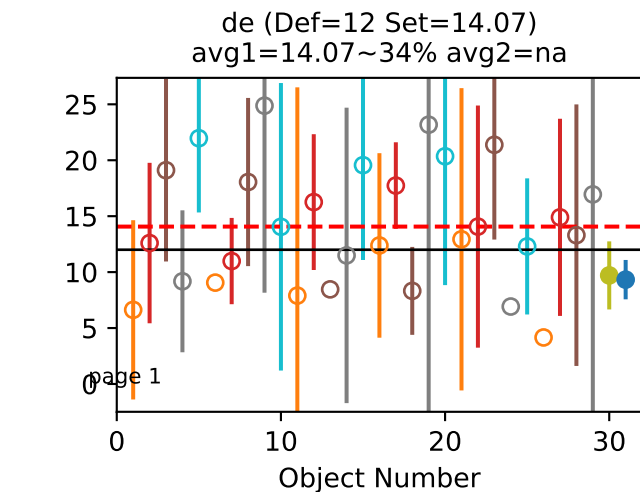
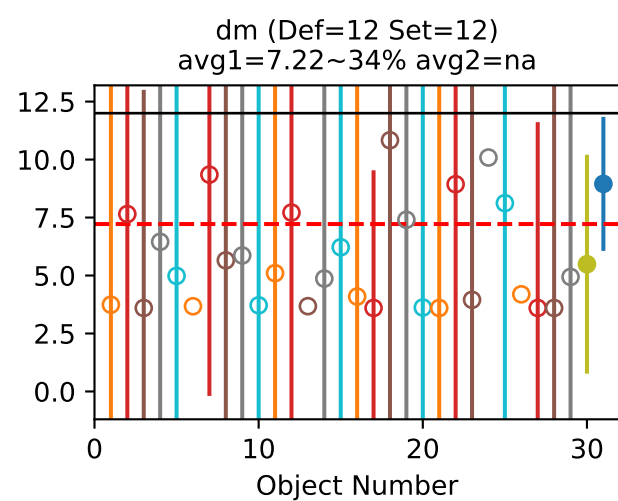
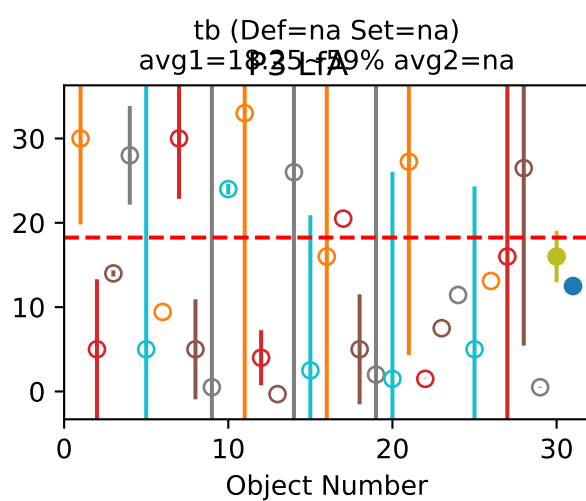
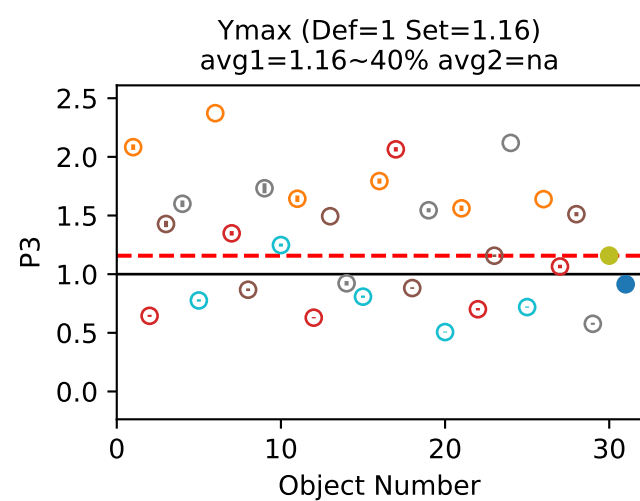


P3-110-23L23 (fit failed)

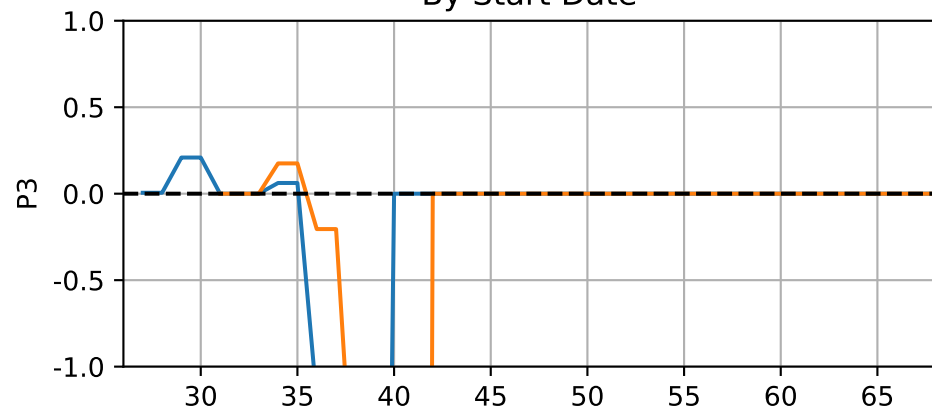


P3-110-23L6 (fit failed)

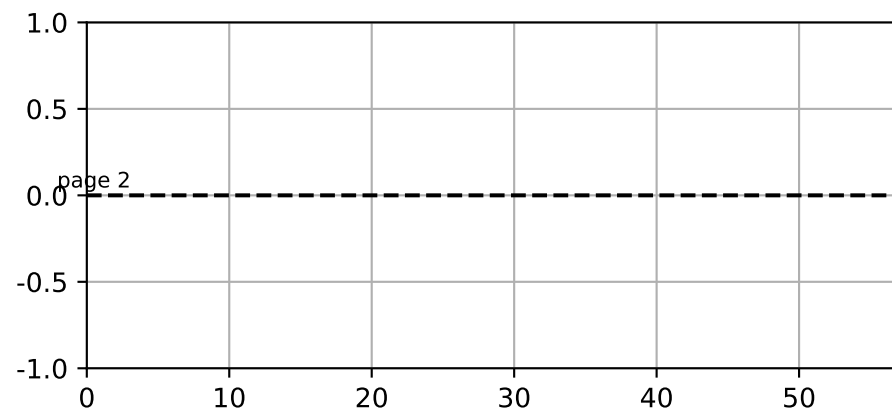
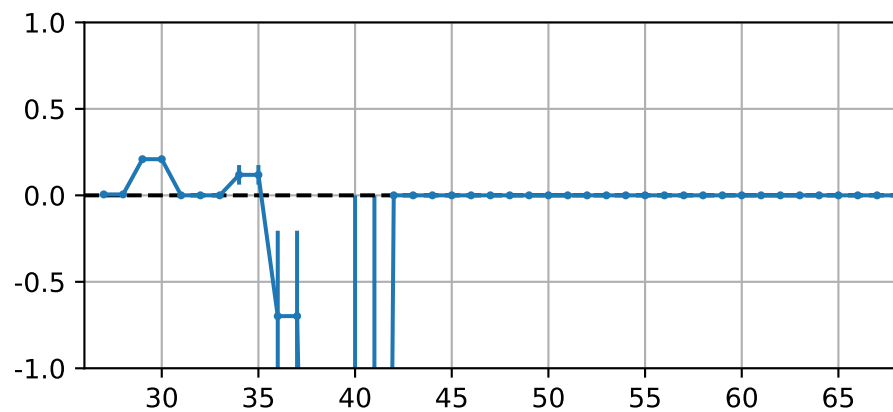
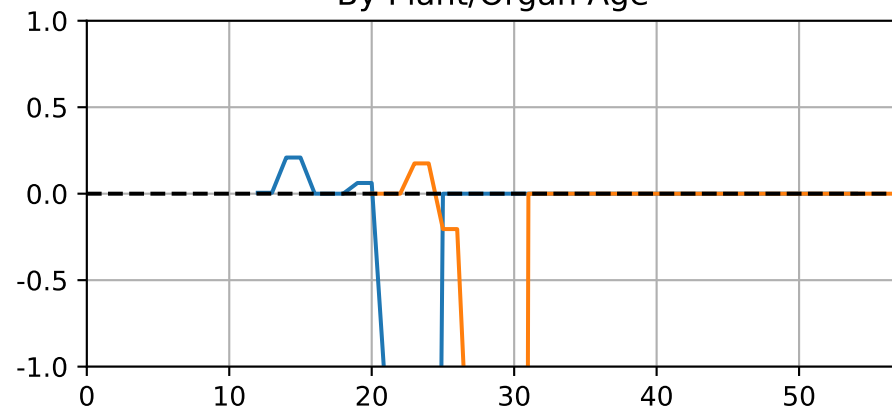




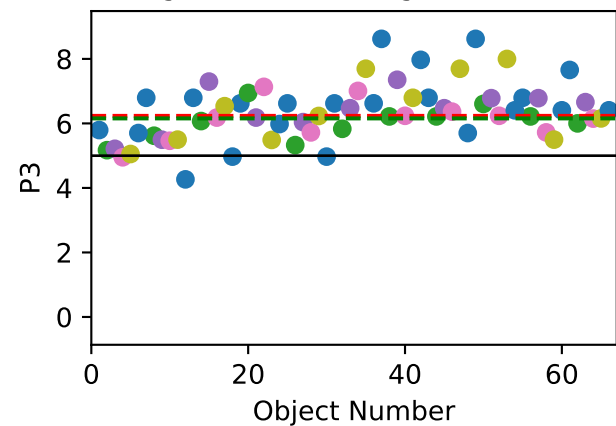
By Start Date



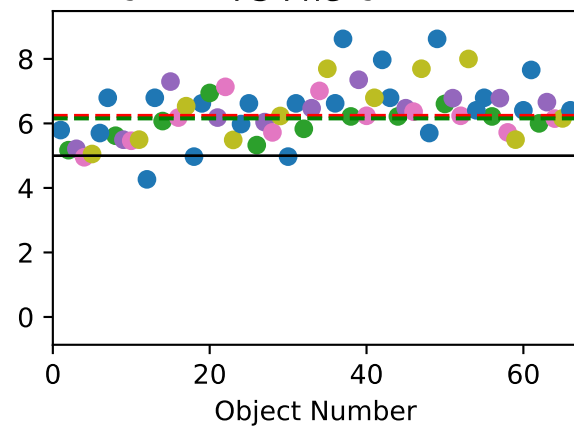
By Plant/Organ Age



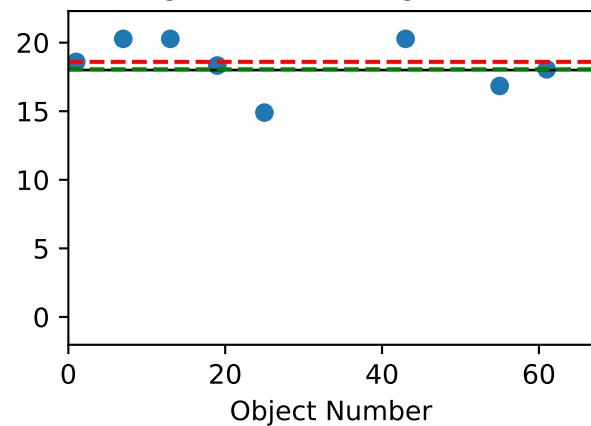
FI_dm (Def=5 Set=6.23)
avg1=6.23~13% avg2=6.16~4%



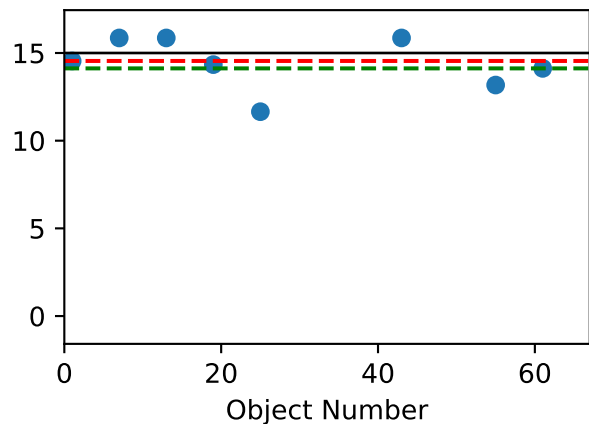
FI_de (Def=5 Set=6.23)
avg1=6.23~13% avg2=6.16~4%



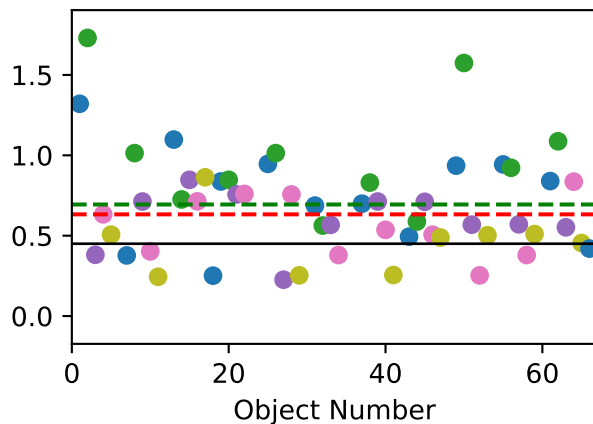
FrV_dm (Def=18 Set=18.6)
avg1=18.6~11% avg2=18.06



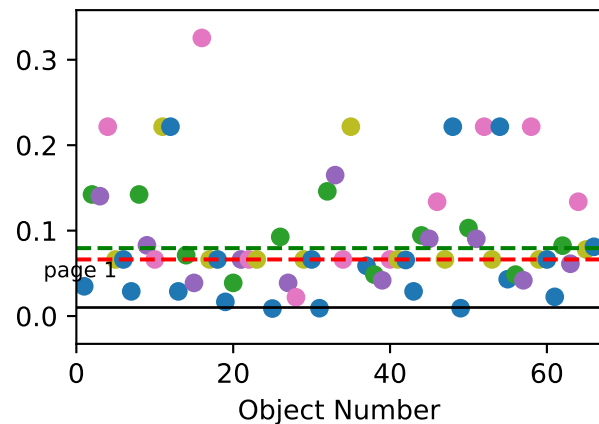
FrV_de (Def=15 Set=14.55)
avg1=14.55~11% avg2=14.12



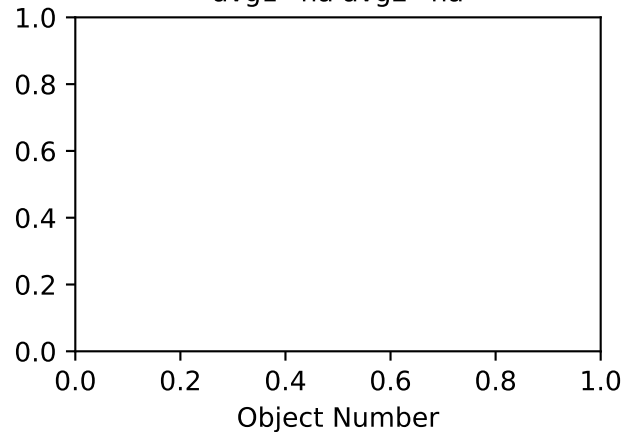
FrN_a (Def=0.45 Set=0.63)
avg1=0.63~40% avg2=0.69~38%



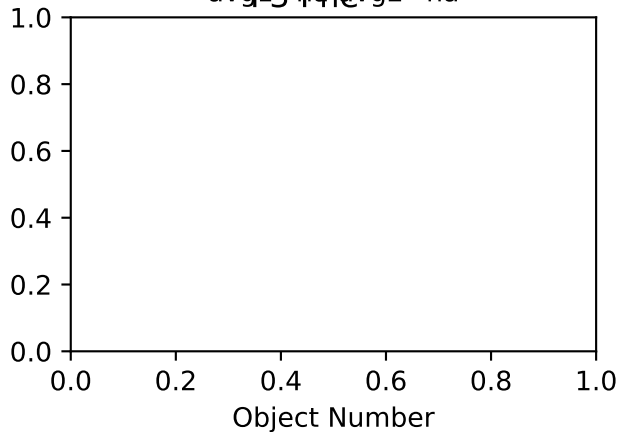
FSDdevStage (Def=0.01 Set=0.07)
avg1=0.07~97% avg2=0.08~12%



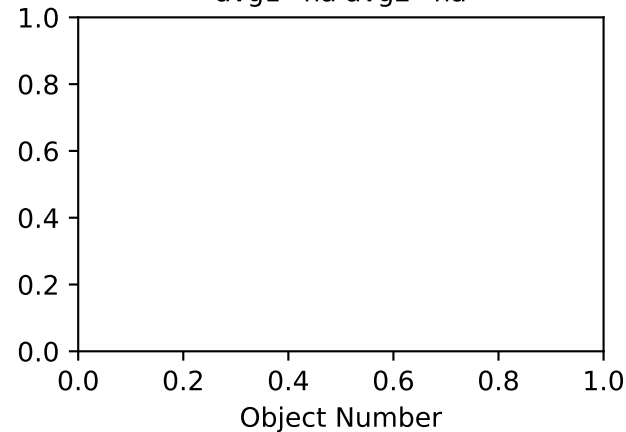
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



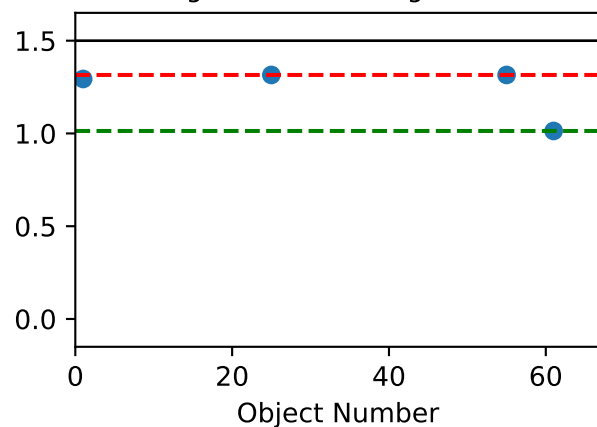
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



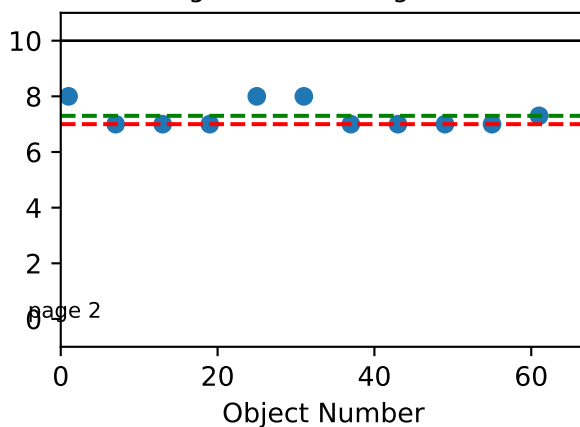
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



FHDdevStage (Def=1.5 Set=1.32)
avg1=1.32~1% avg2=1.01

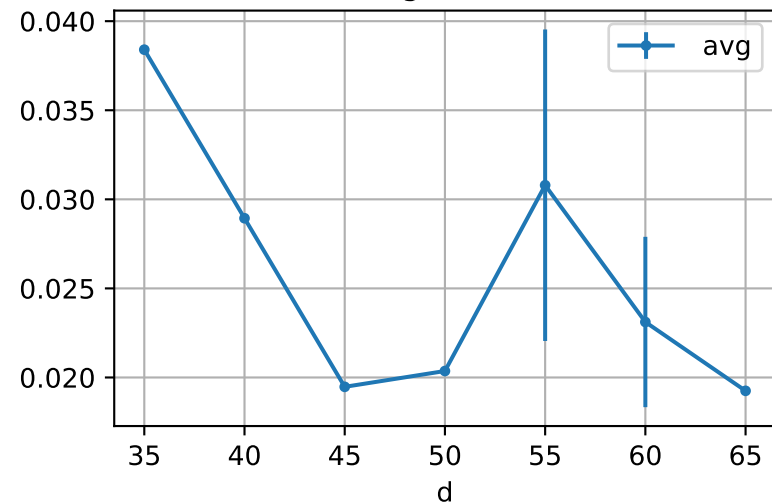


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

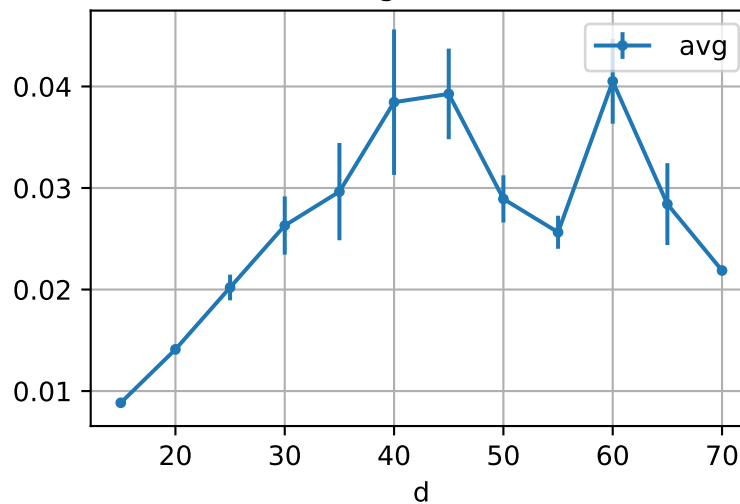


LfA: avg vs. d at each age group

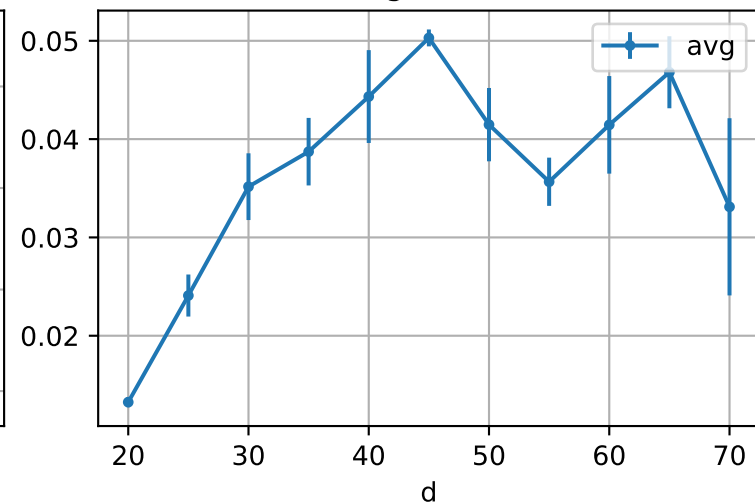
age=15



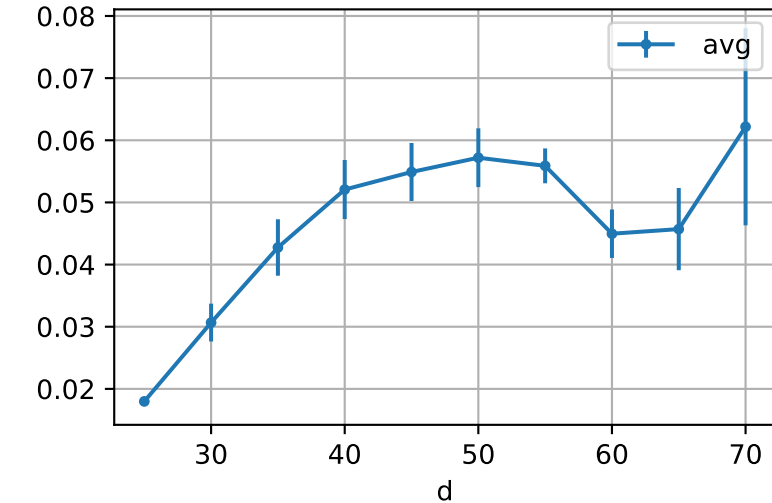
age=20



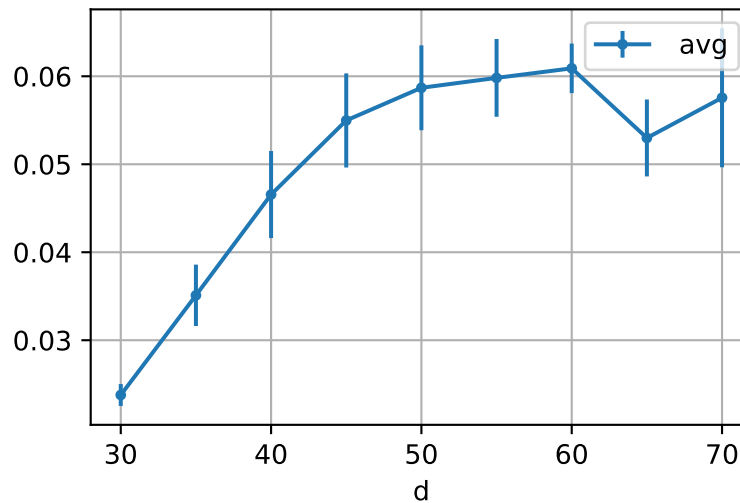
age=25



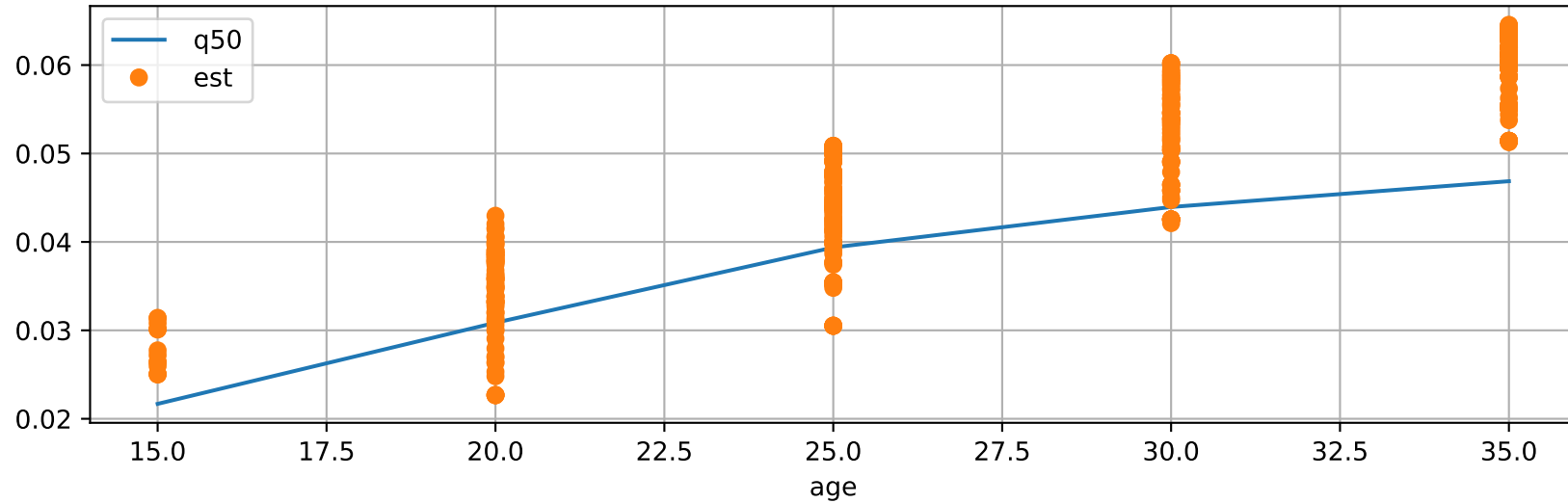
age=30



age=35

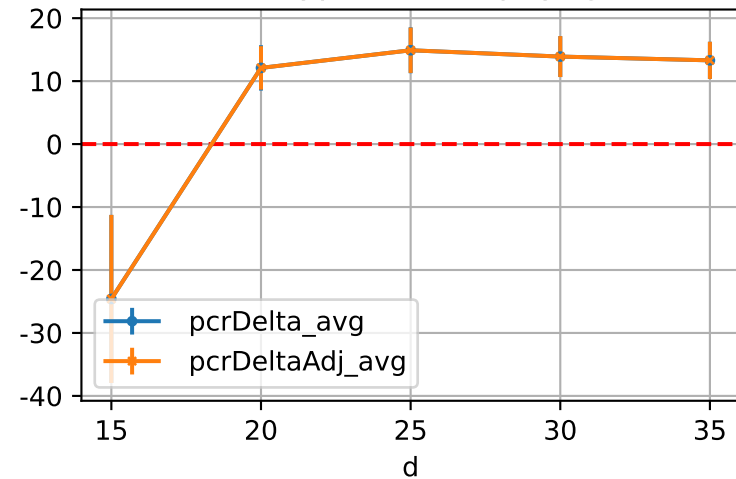


LfA: model est vs obsOv@Q50

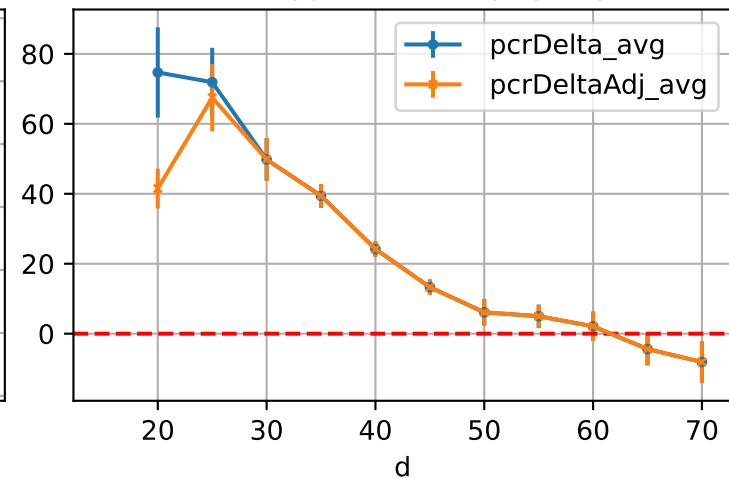


P3 LfA: D_5d_LfA

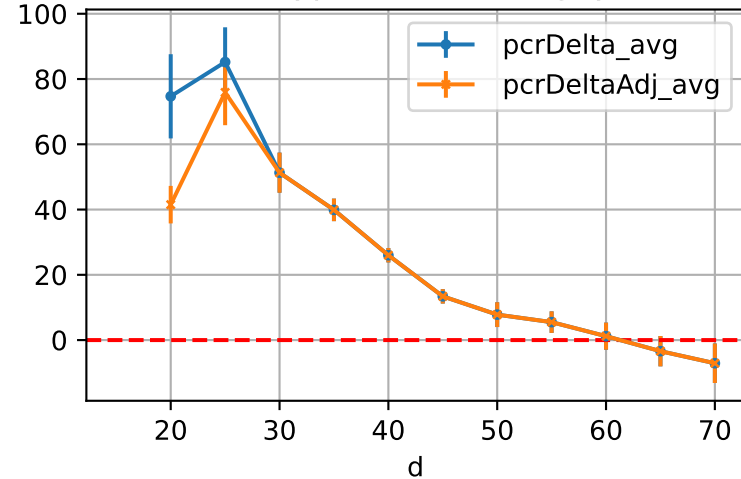
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

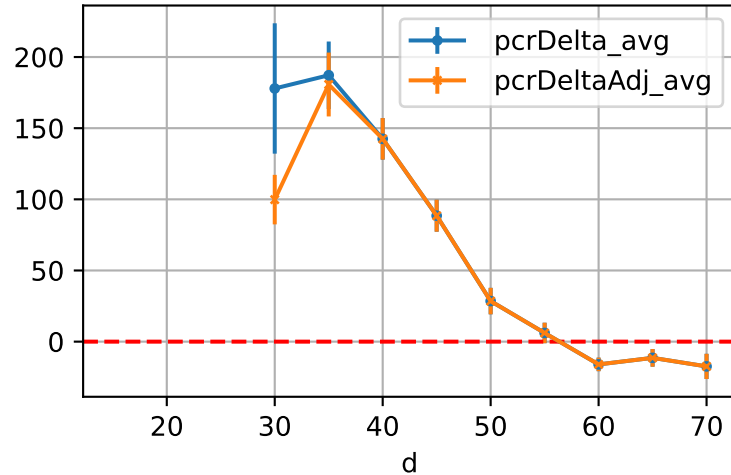


DeltaTypeAbbr=WeiAvgByD



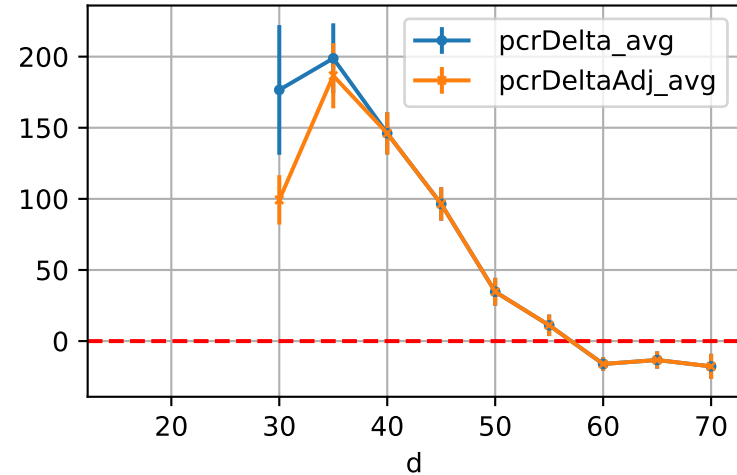
P3 LfA: D_15d_LfA

DeltaTypeAbbr=GrpByDay

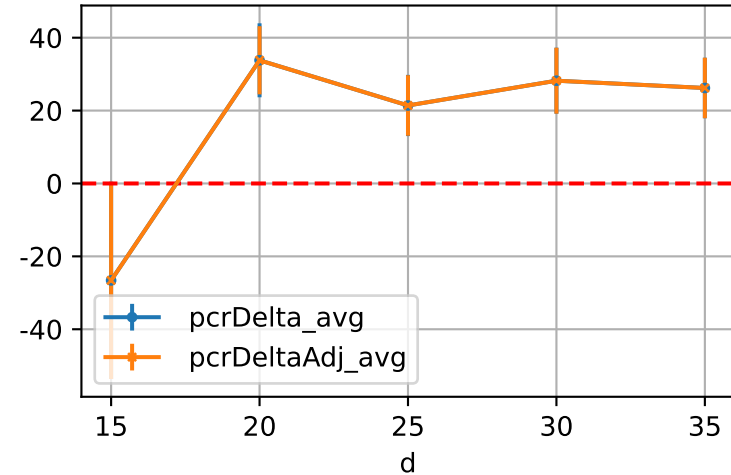


page 4

DeltaTypeAbbr=WeiAvgByD



DeltaTypeAbbr=GrpByAge

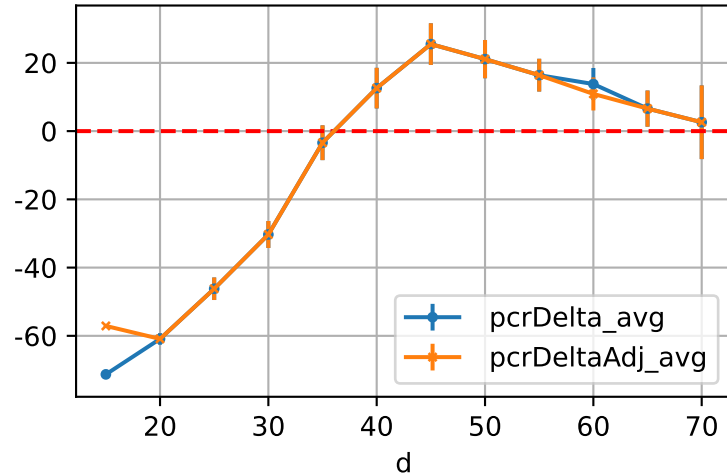
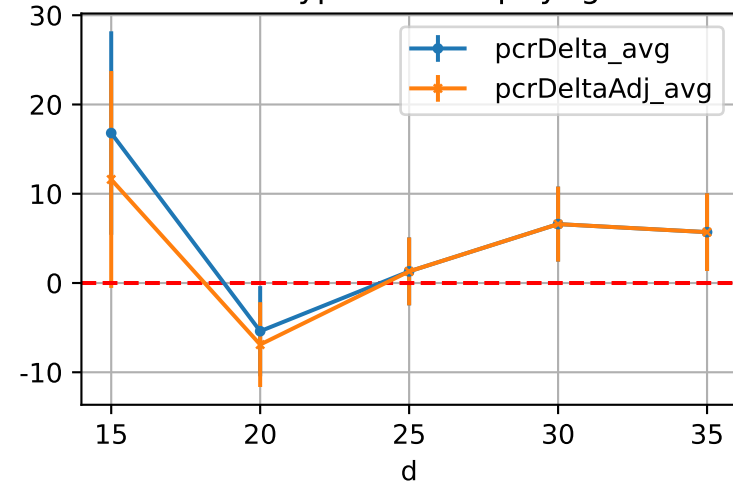


P3 LfA: D_Q50_LfA

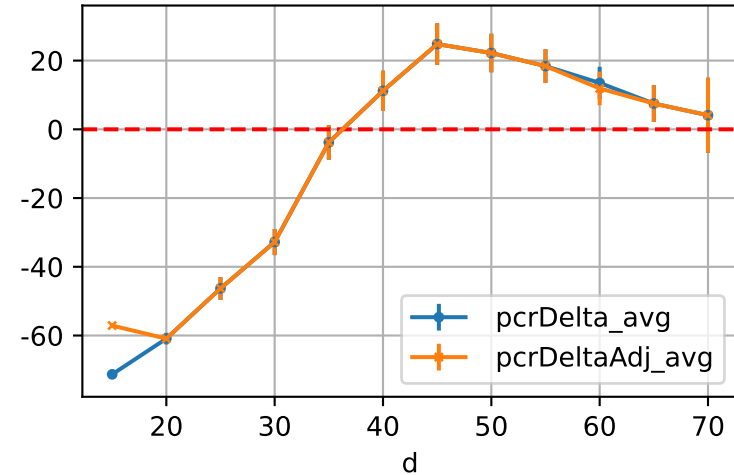
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

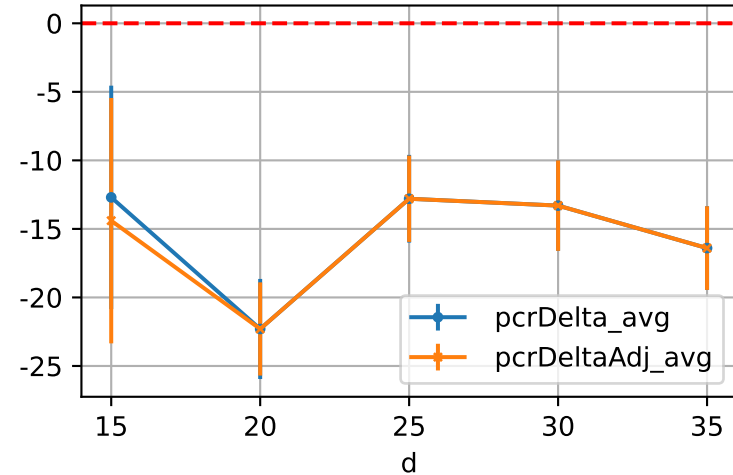


page 5

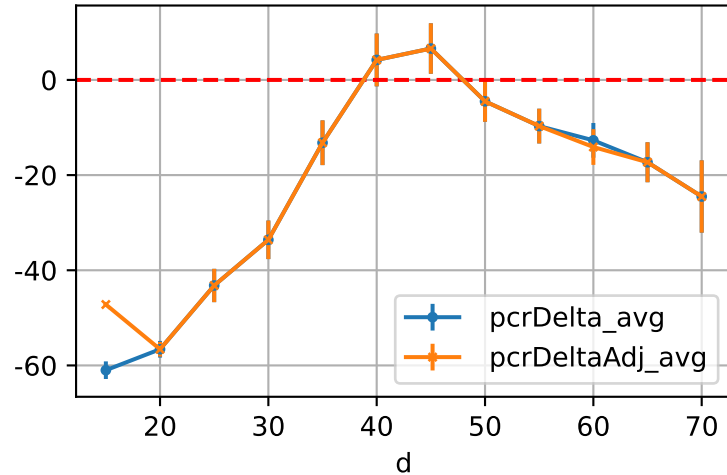


P3 LfA: D_Est_LfA

DeltaTypeAbbr=GrpByAge

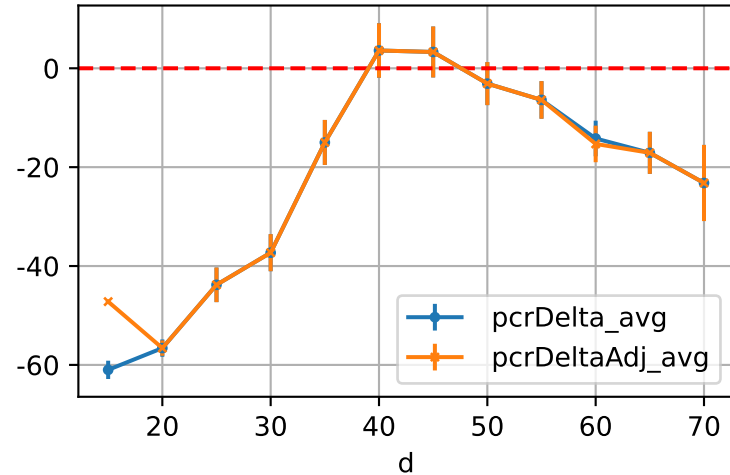


DeltaTypeAbbr=GrpByDay

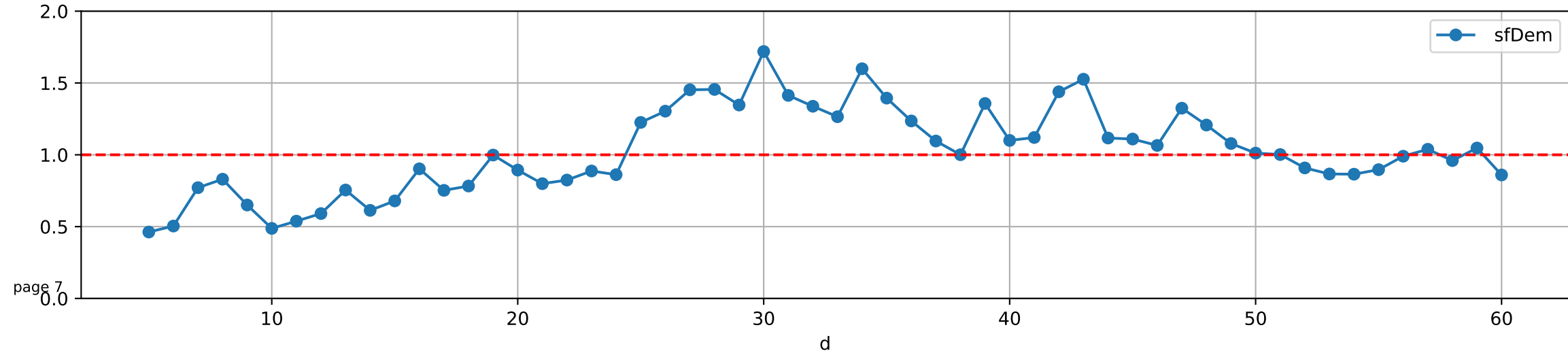


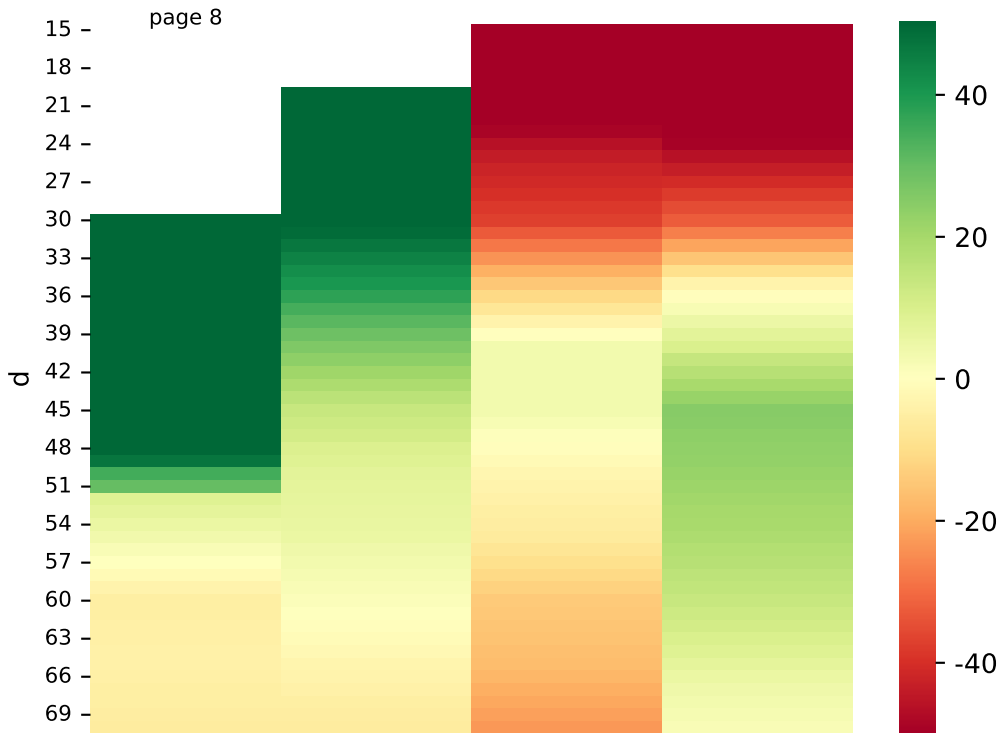
page 6

DeltaTypeAbbr=WeiAvgByD



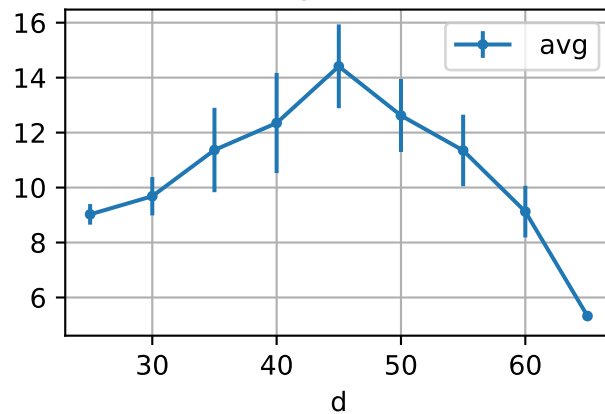
LfA: sfDem



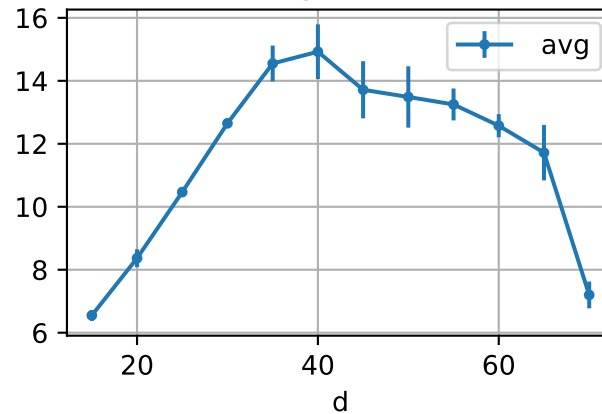


NdD: avg vs. d at each age group

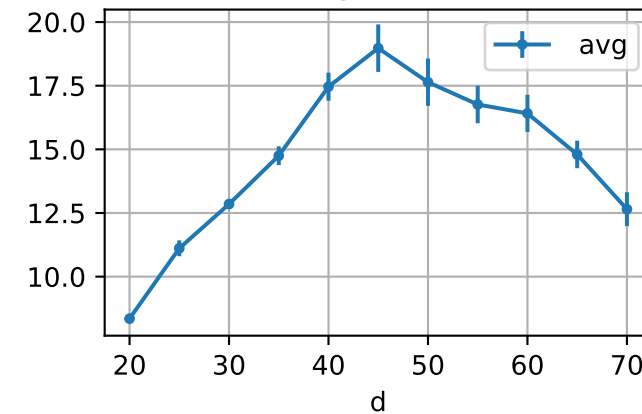
age=15



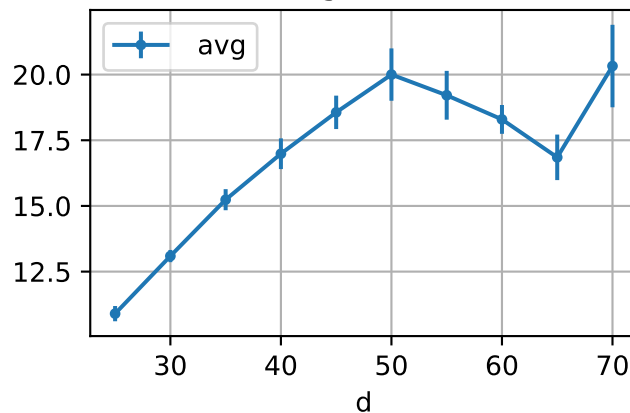
age=20



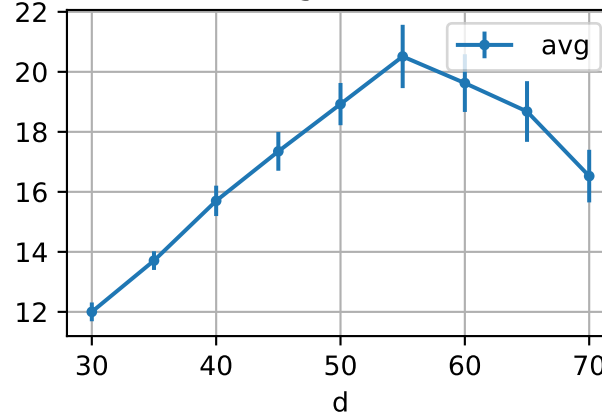
age=25



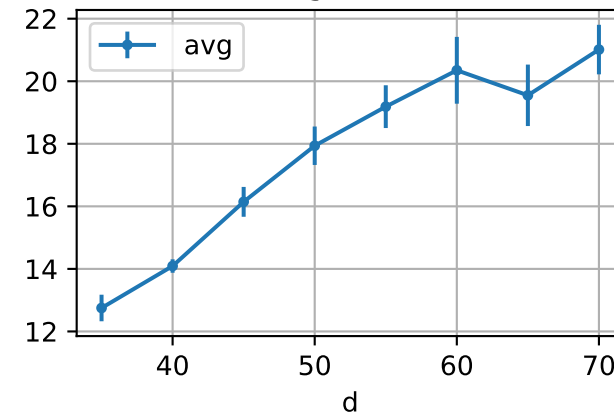
age=30



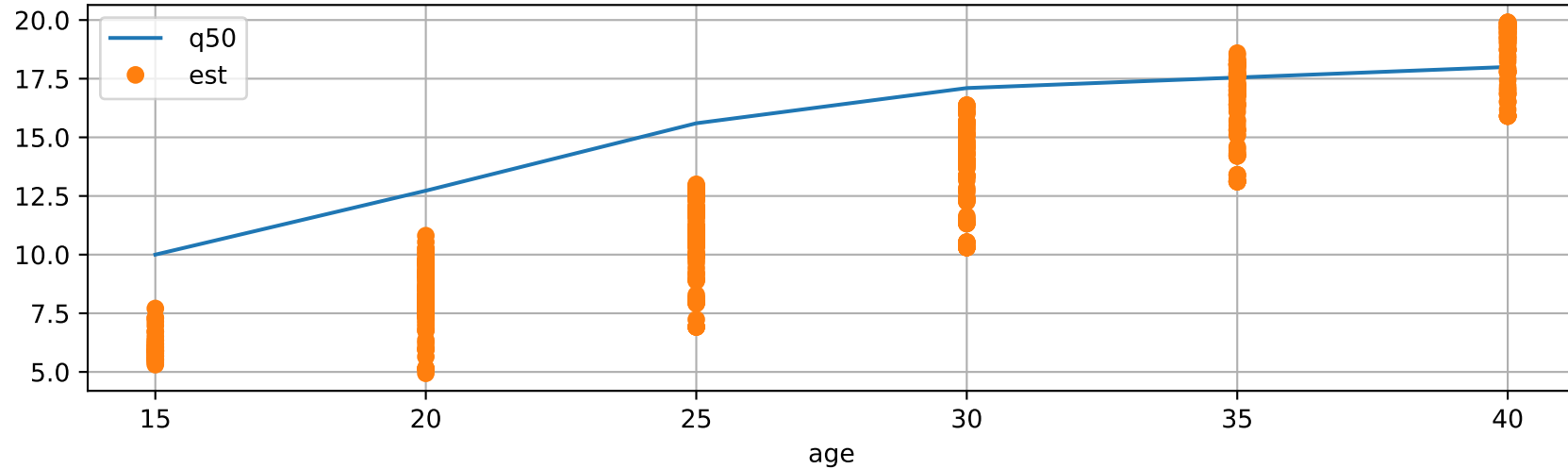
age=35



age=40

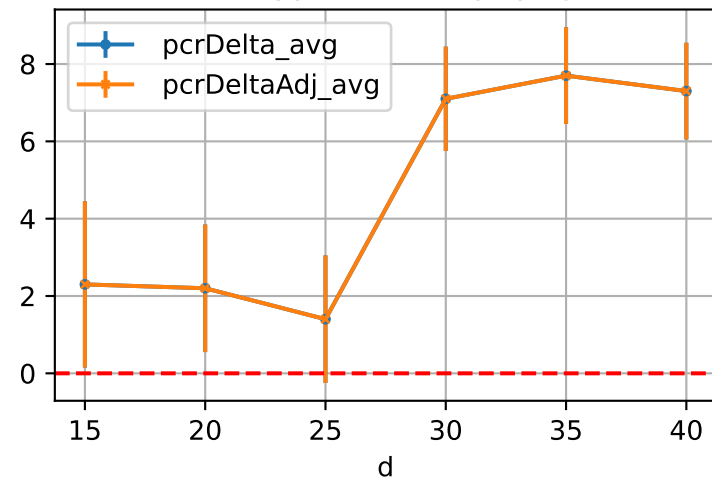


NdD: model est vs obsOv@Q50

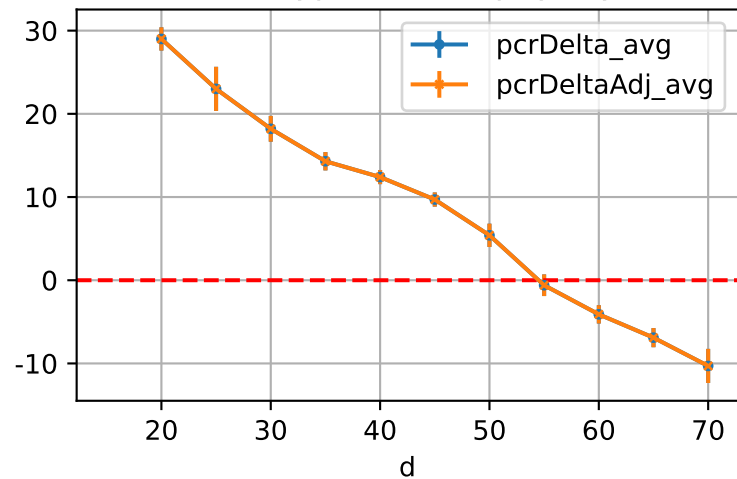


P3 NdD: D_5d_NdD

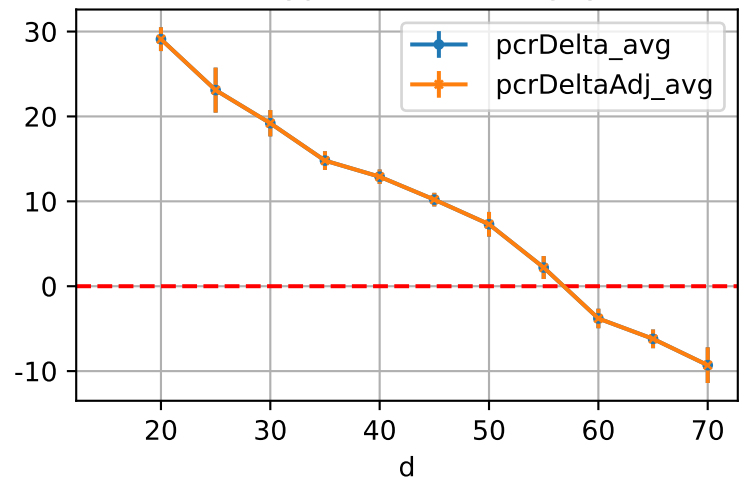
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

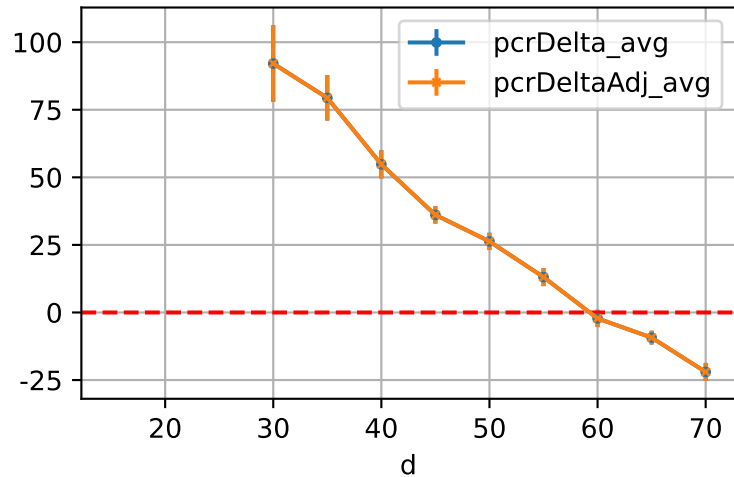


DeltaTypeAbbr=WeiAvgByD

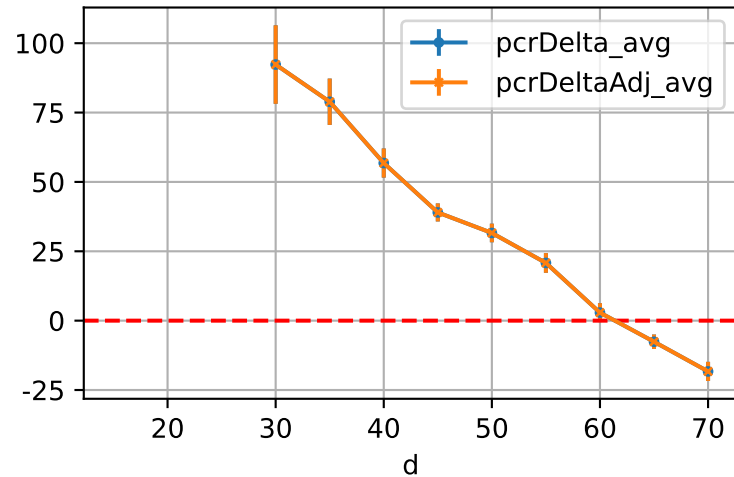


P3 NdD: D_15d_NdD

DeltaTypeAbbr=GrpByDay

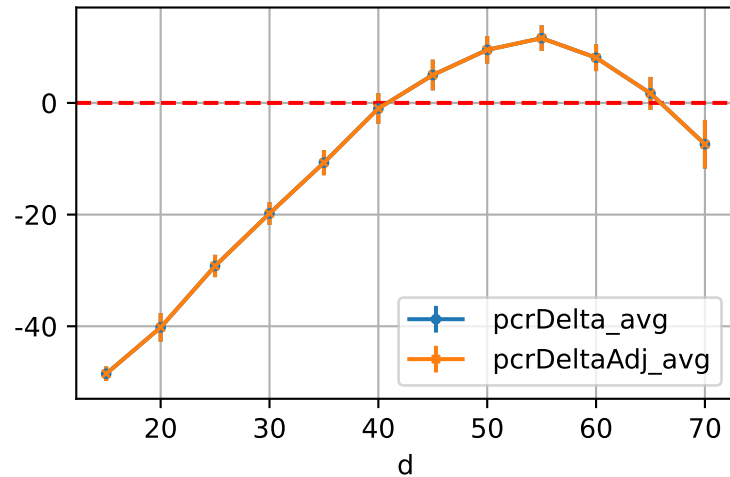


DeltaTypeAbbr=WeiAvgByD

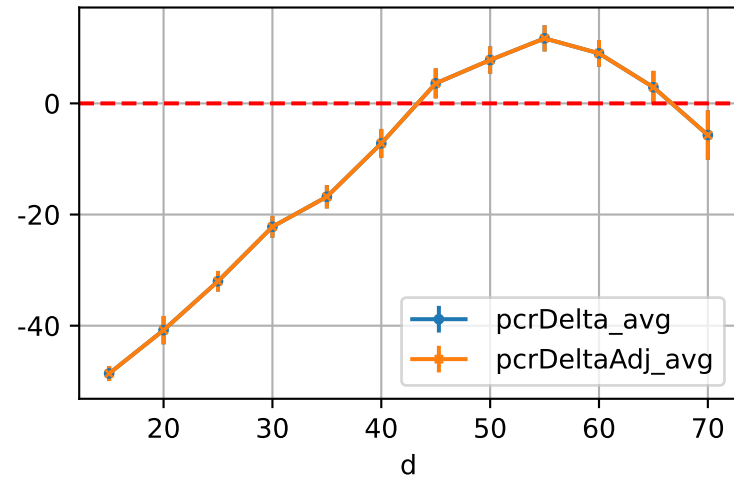


P3 NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByDay

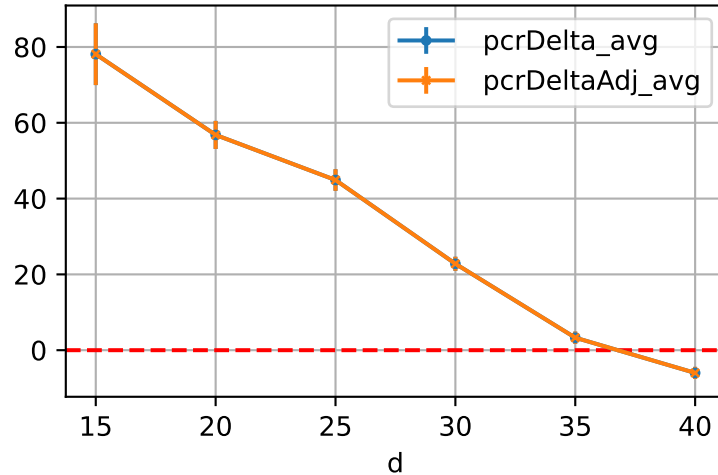


DeltaTypeAbbr=WeiAvgByD

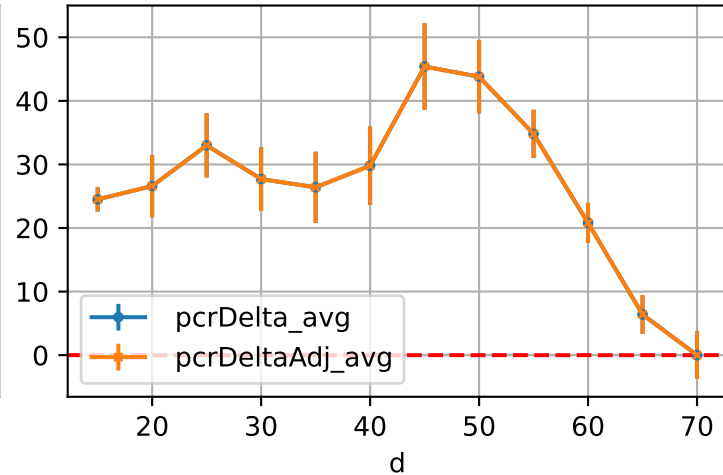


P3 NdD: D_Est_NdD

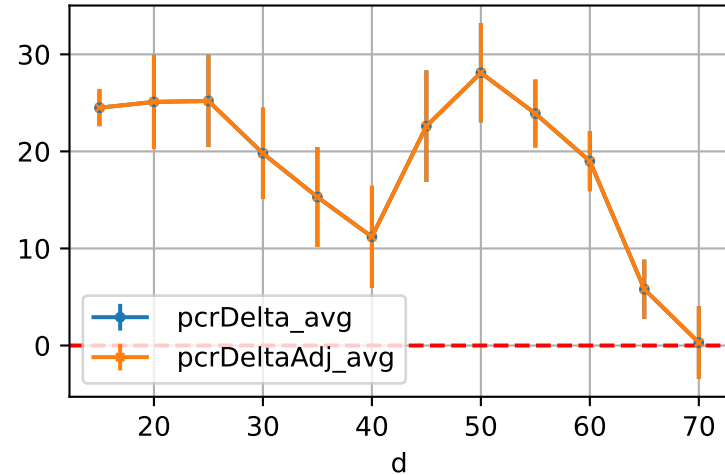
DeltaTypeAbbr=GrpByAge



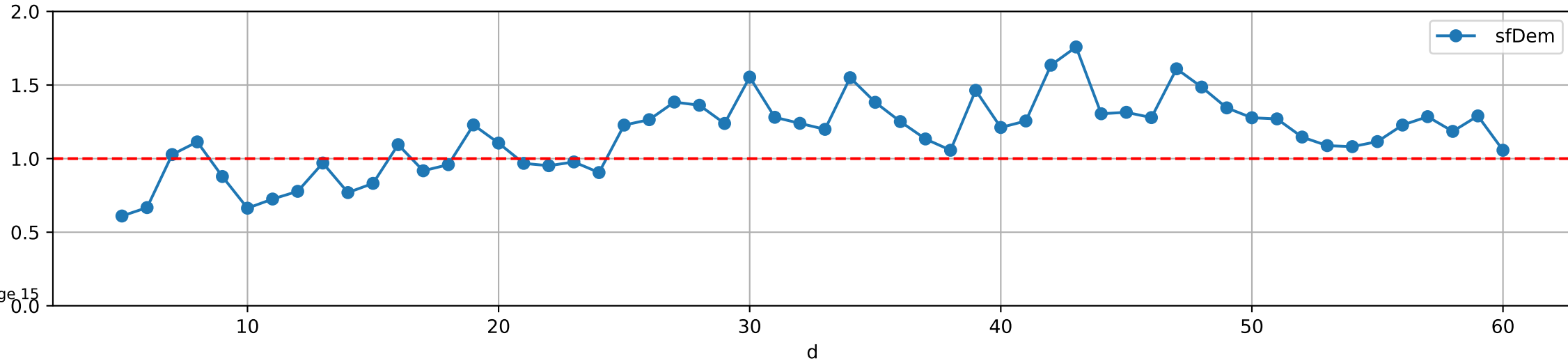
DeltaTypeAbbr=GrpByDay

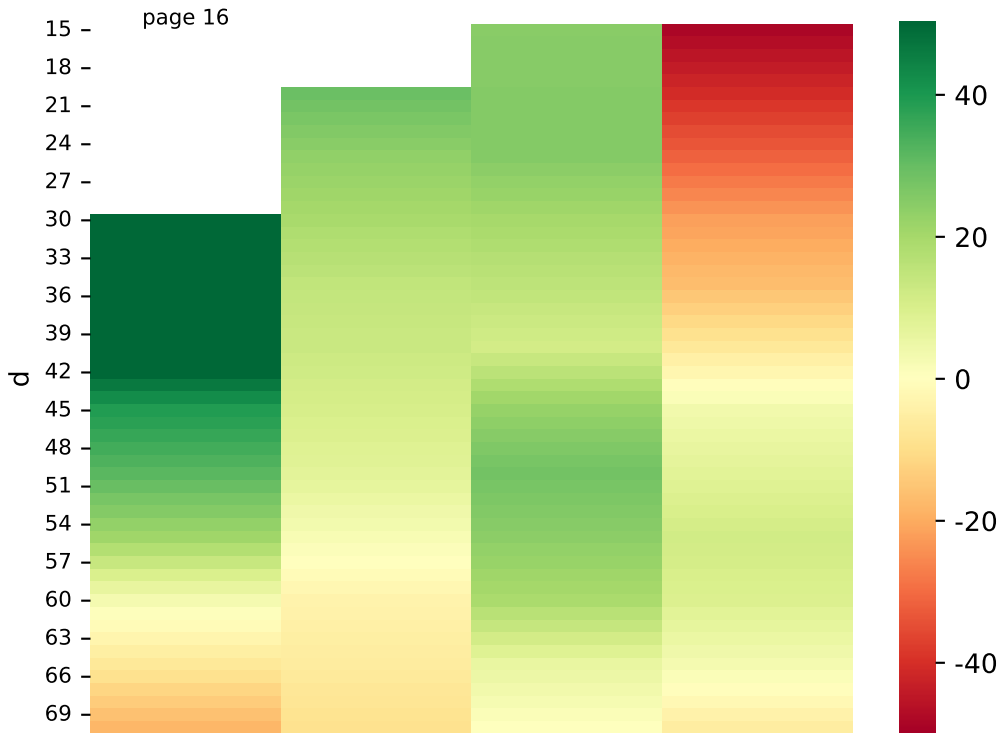


DeltaTypeAbbr=WeiAvgByD

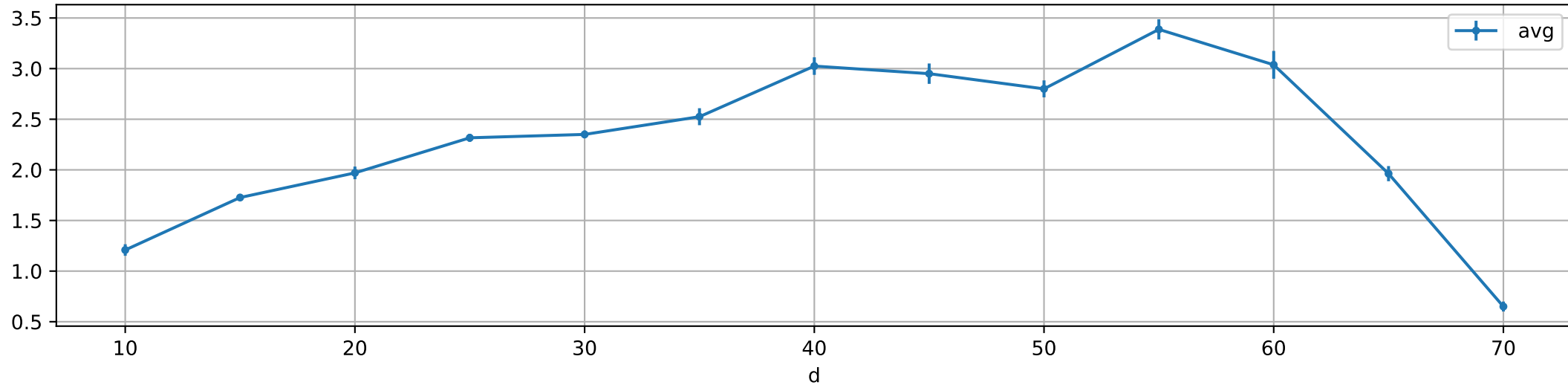


NdD: sfDem

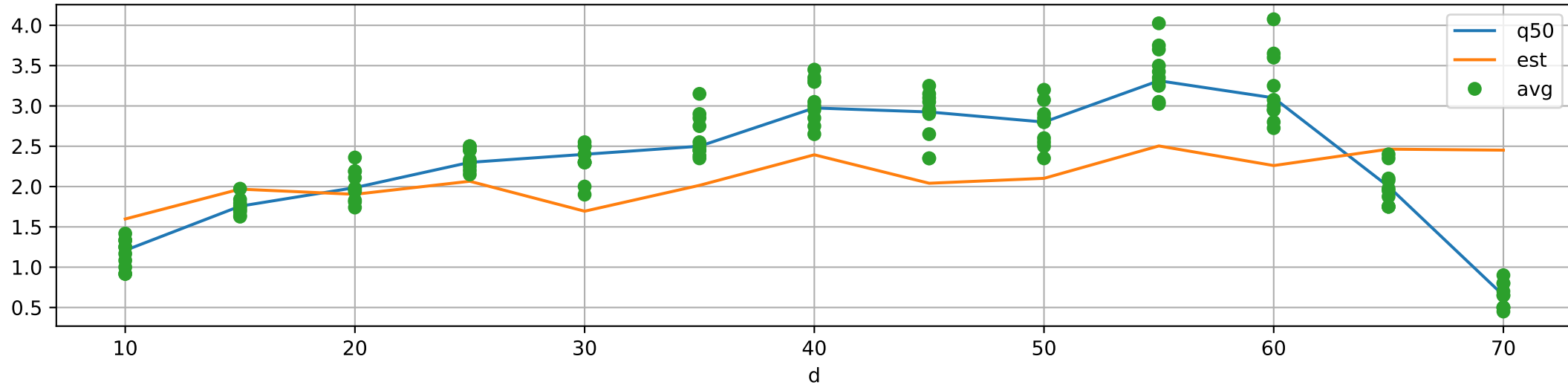




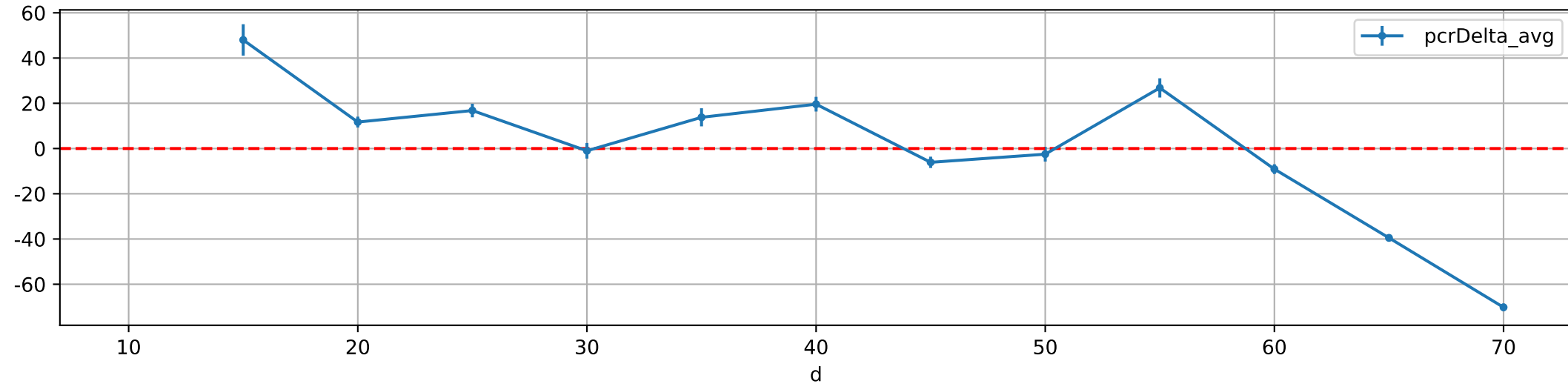
dStH: avg vs. d



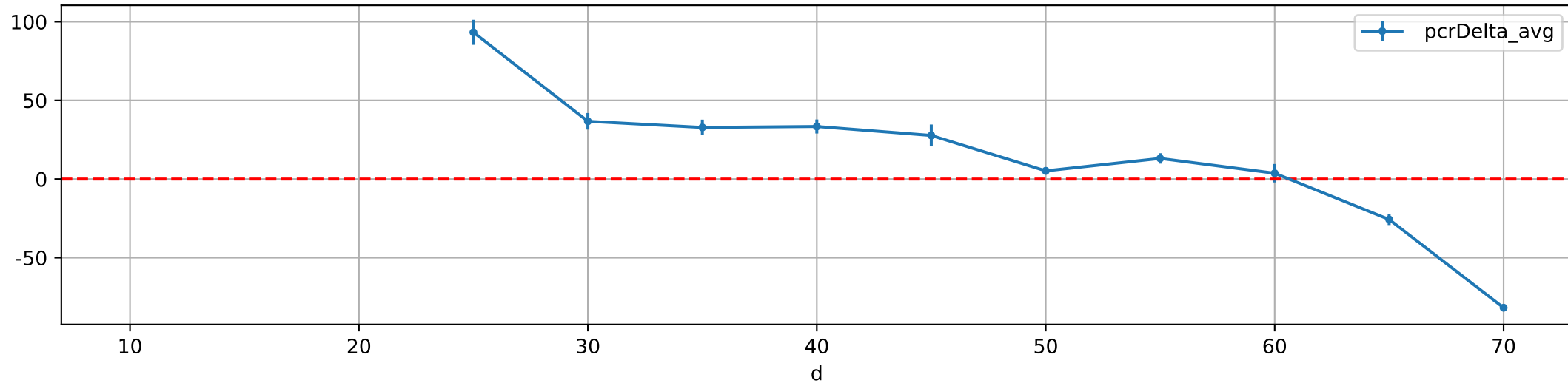
dStH: obsAvg vs obsOv@Q50



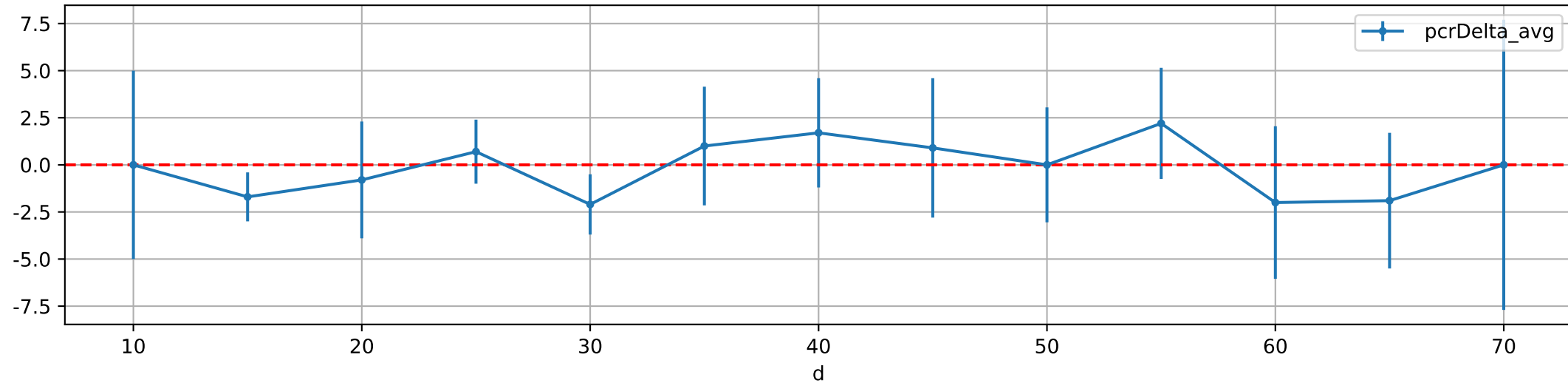
dStH: D_5d_StH



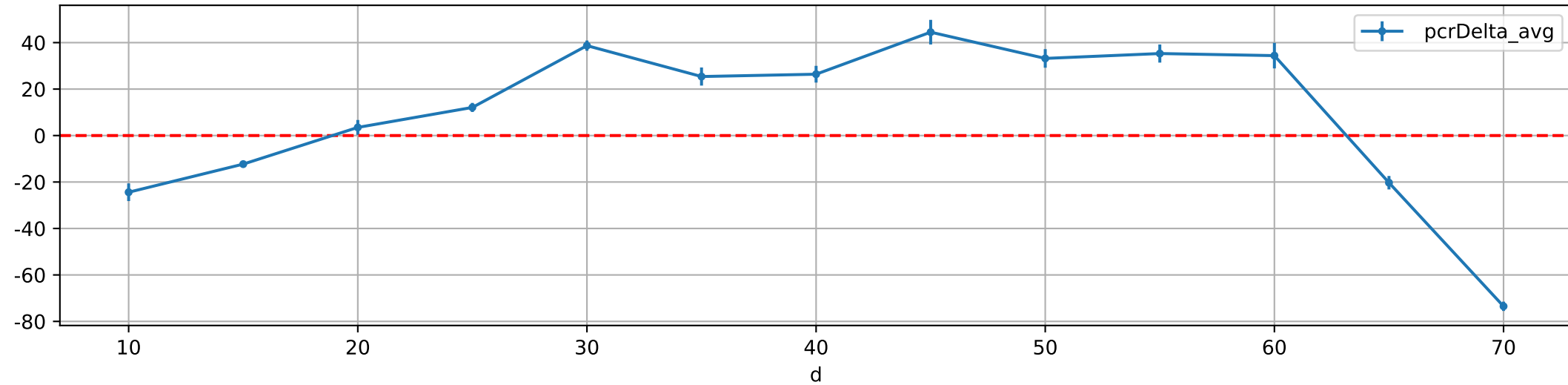
dStH: D_15d_StH



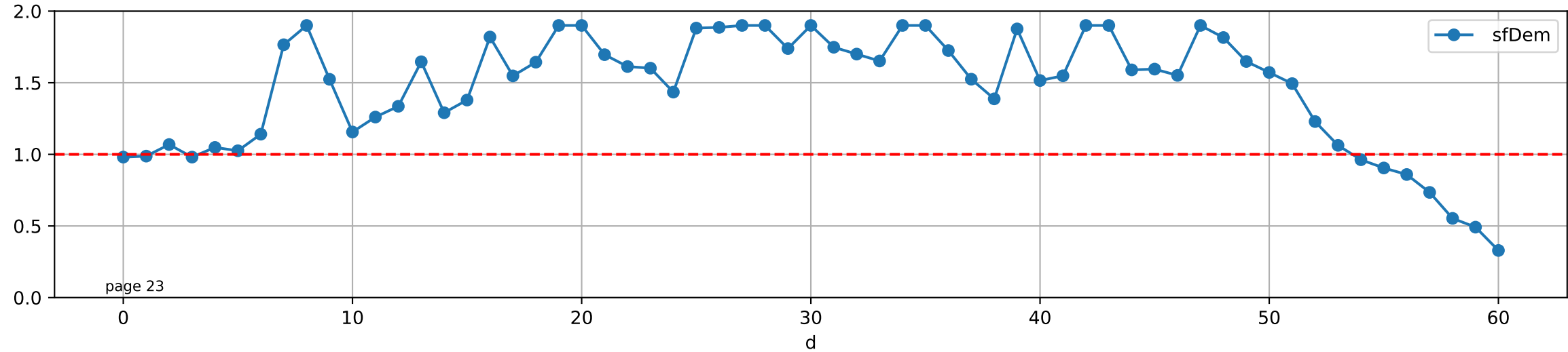
dStH: D_Q50_StH

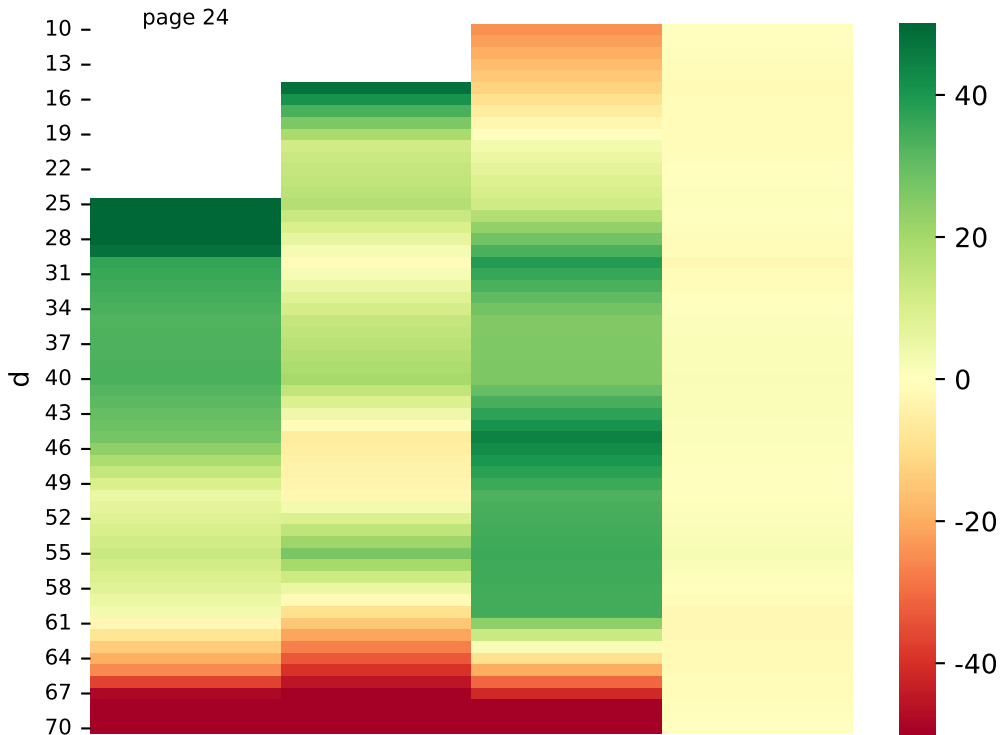


dStH: D_Est_StH

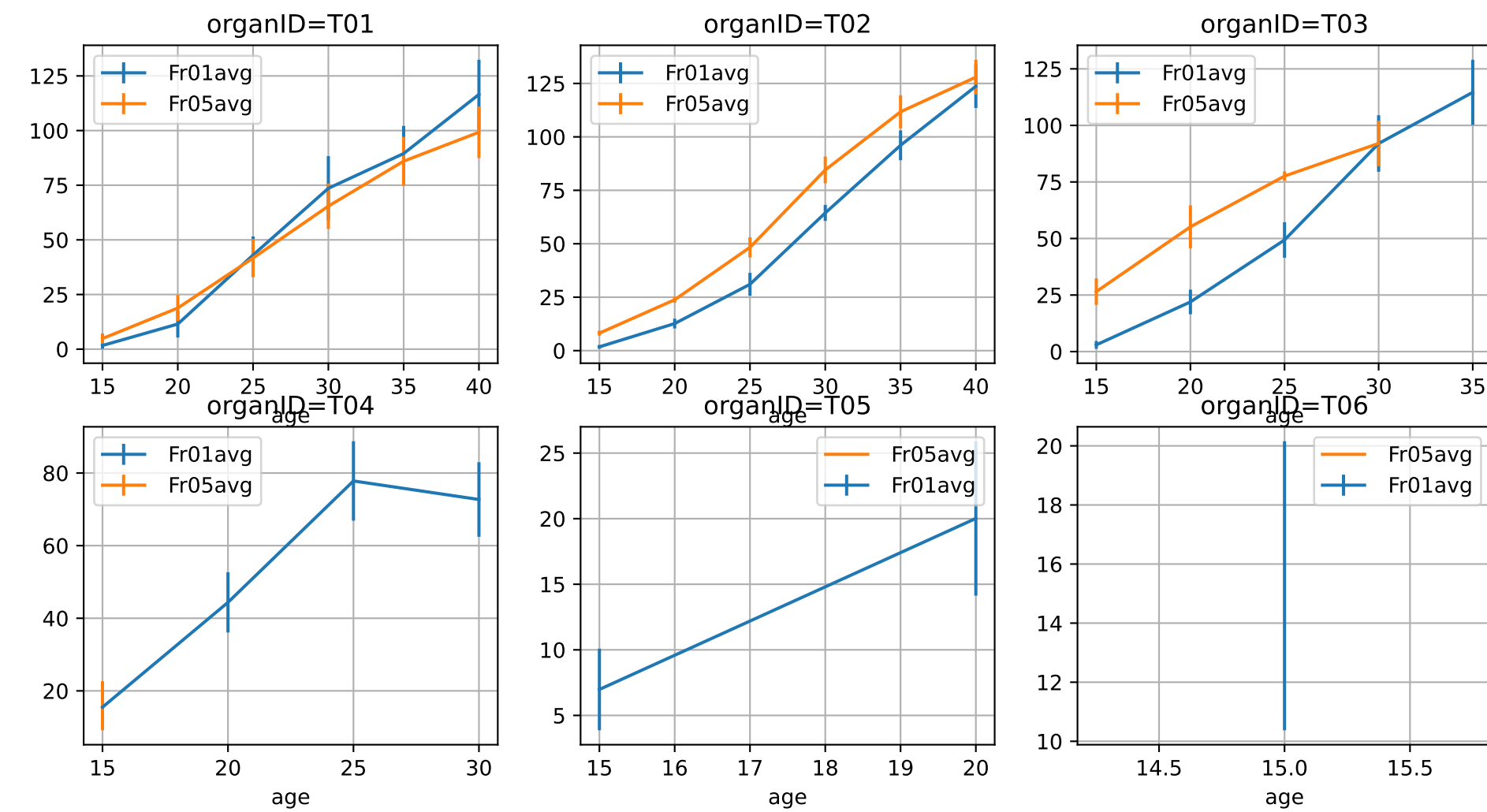


dStH: sfDem



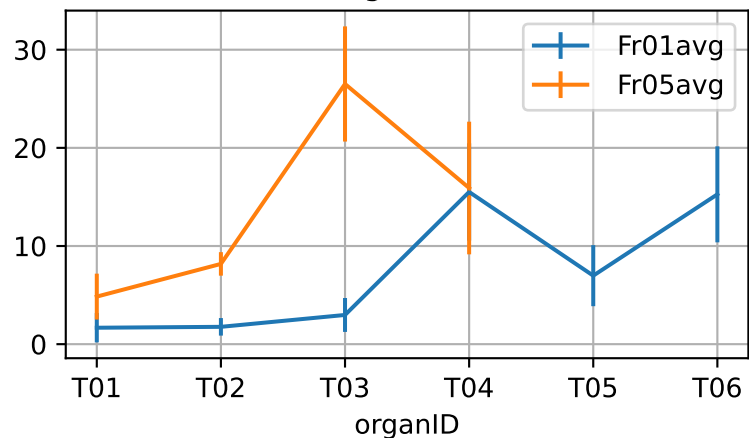


FrV: Fr01 vs Fr05 at each truss

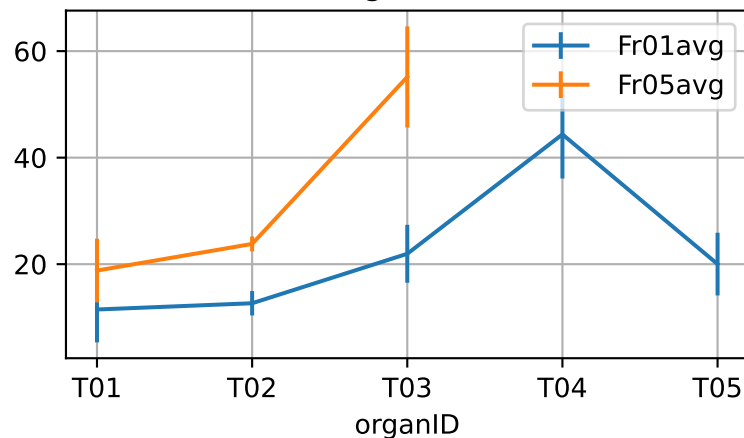


FrV trend at each age

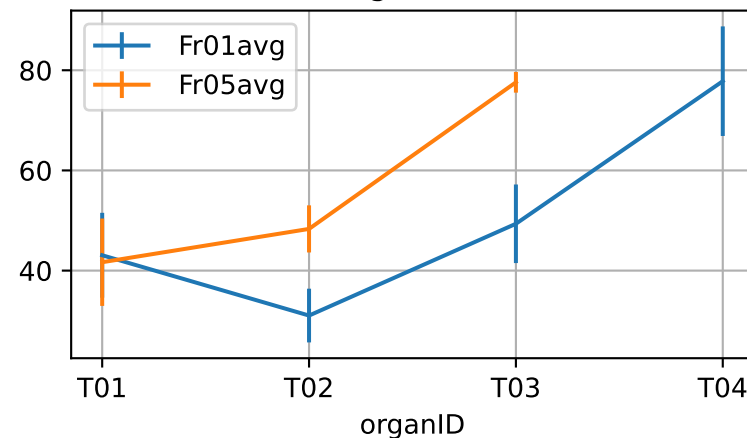
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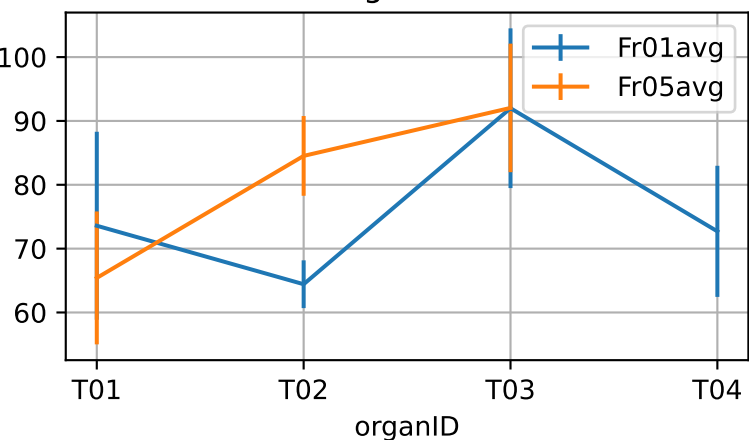
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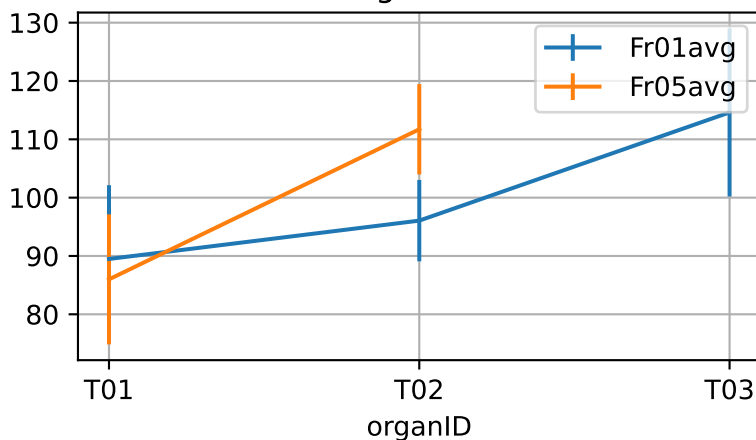
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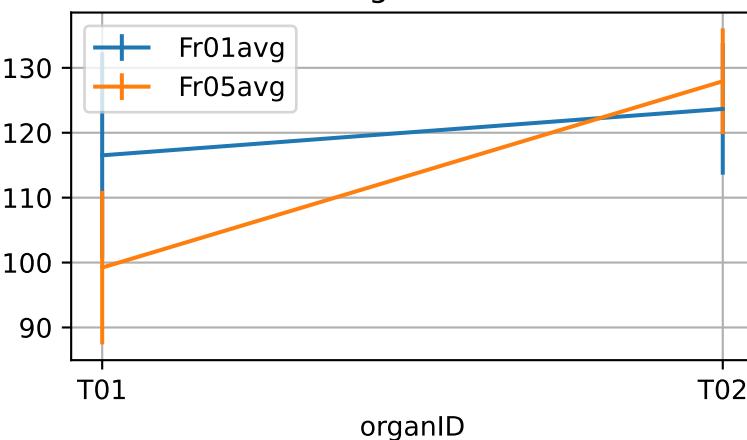
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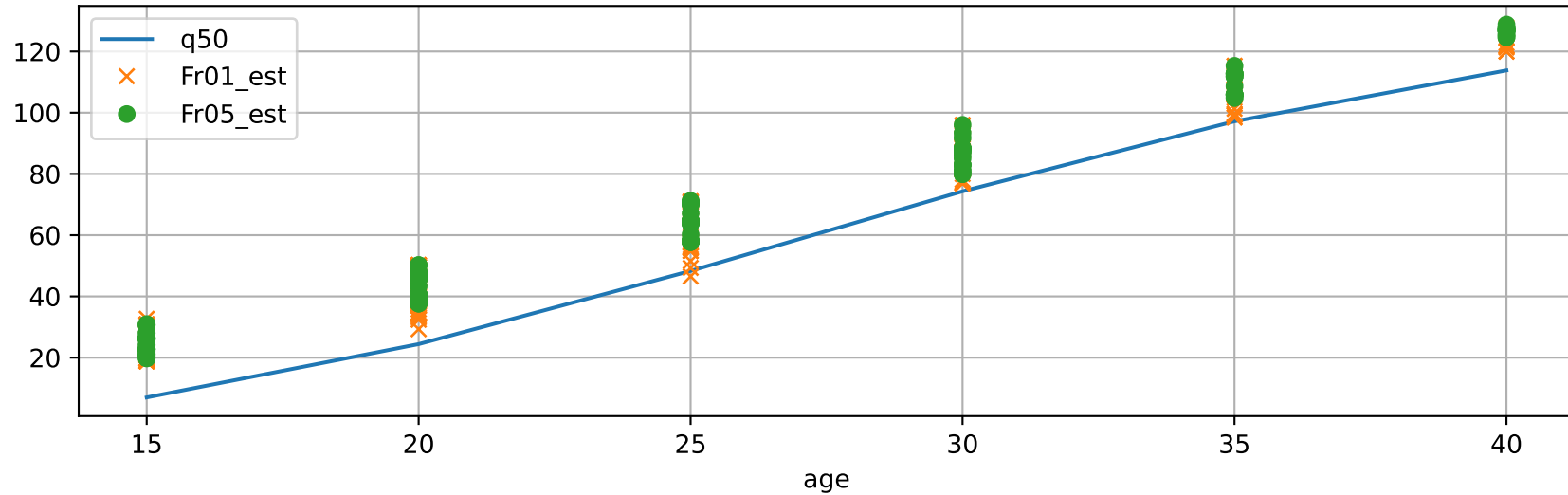
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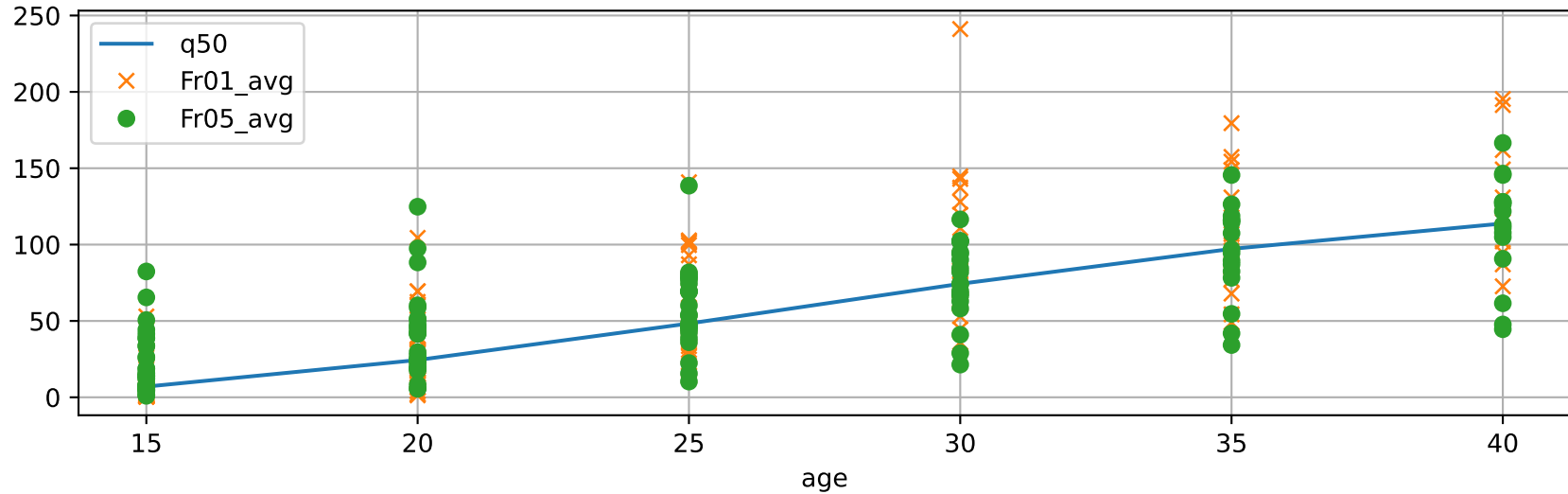
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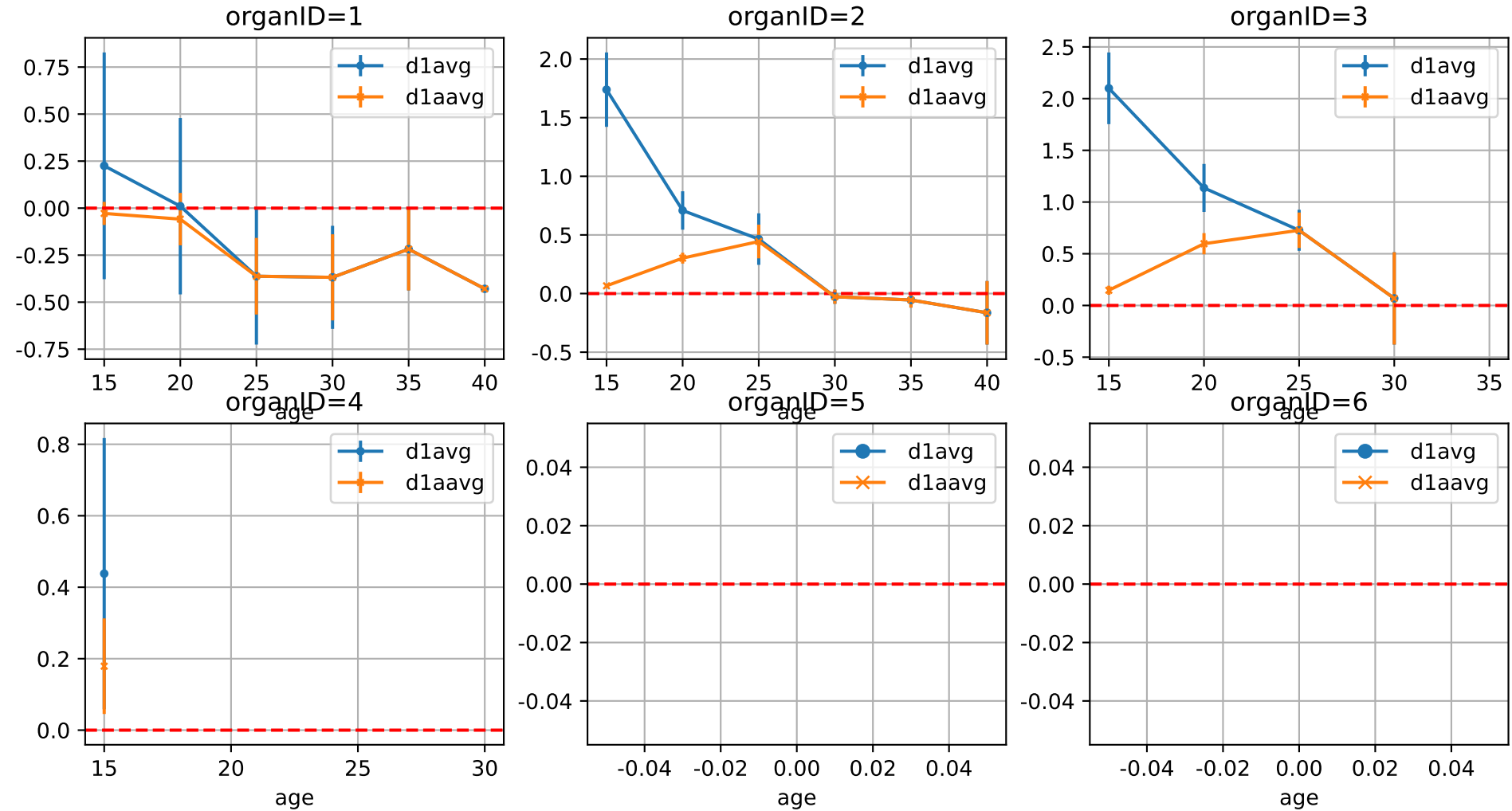


FrV: model Est vs obsFrV at Q90

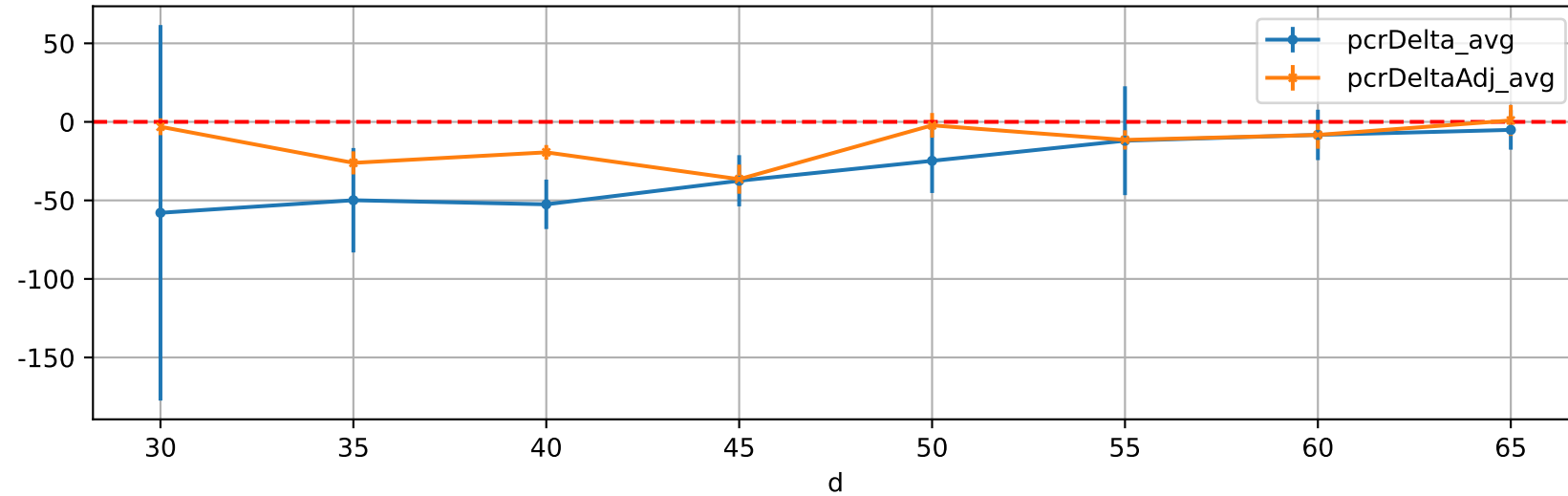


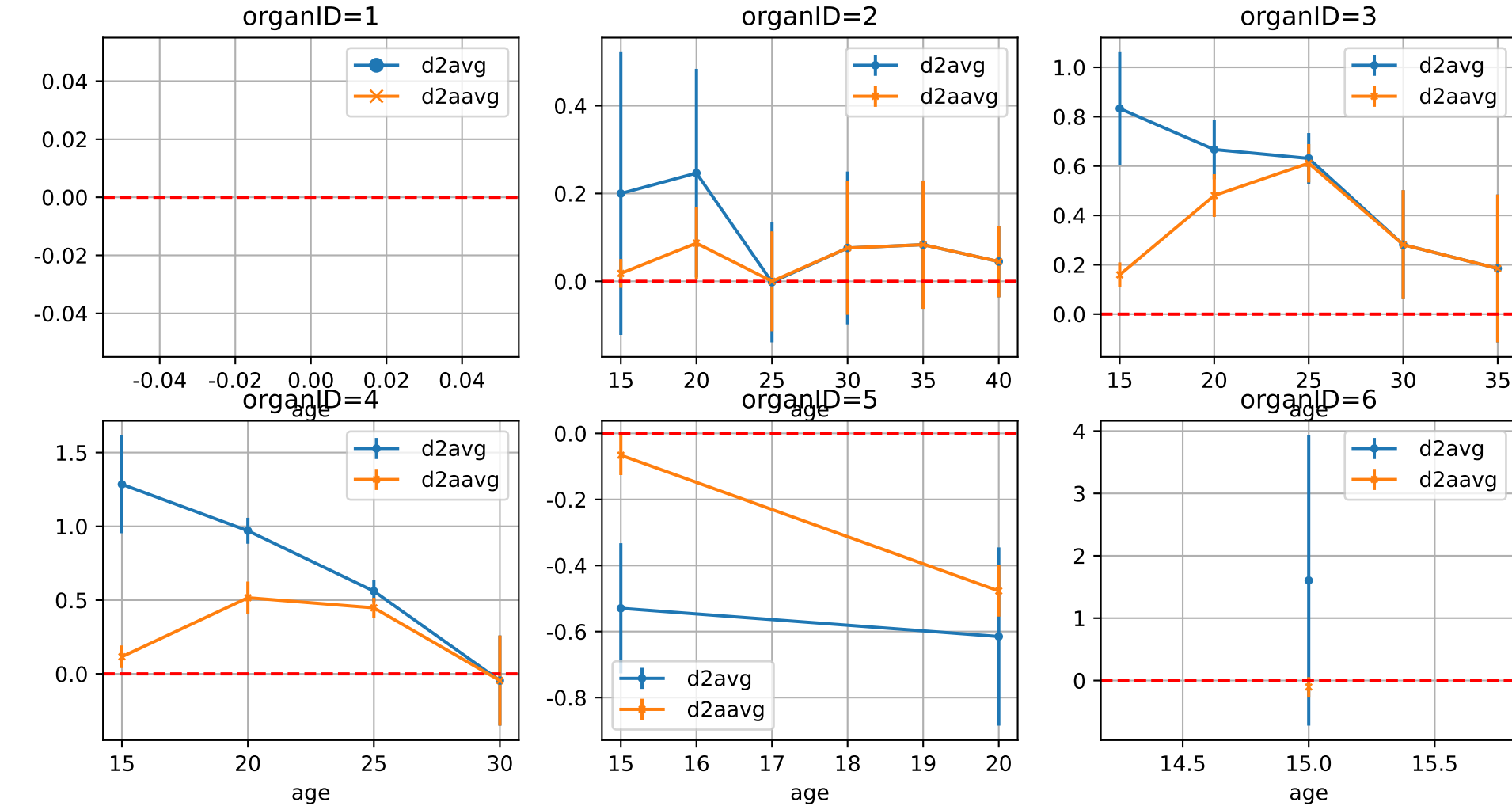
FrV: obsFrV vs obsFrV@Q90



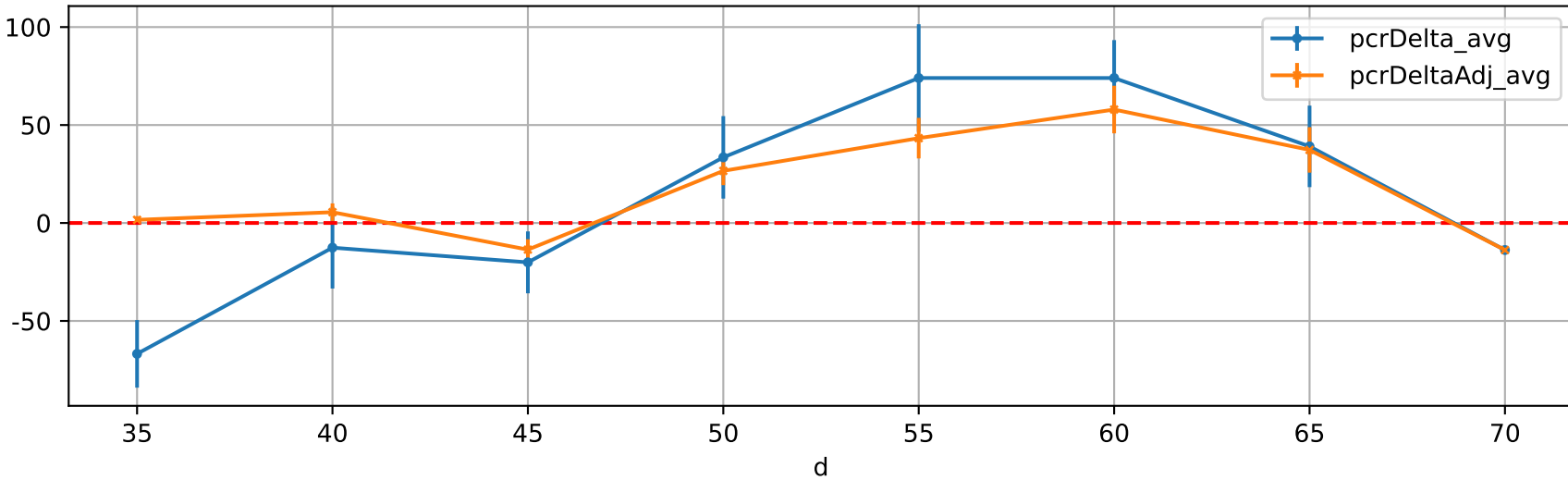


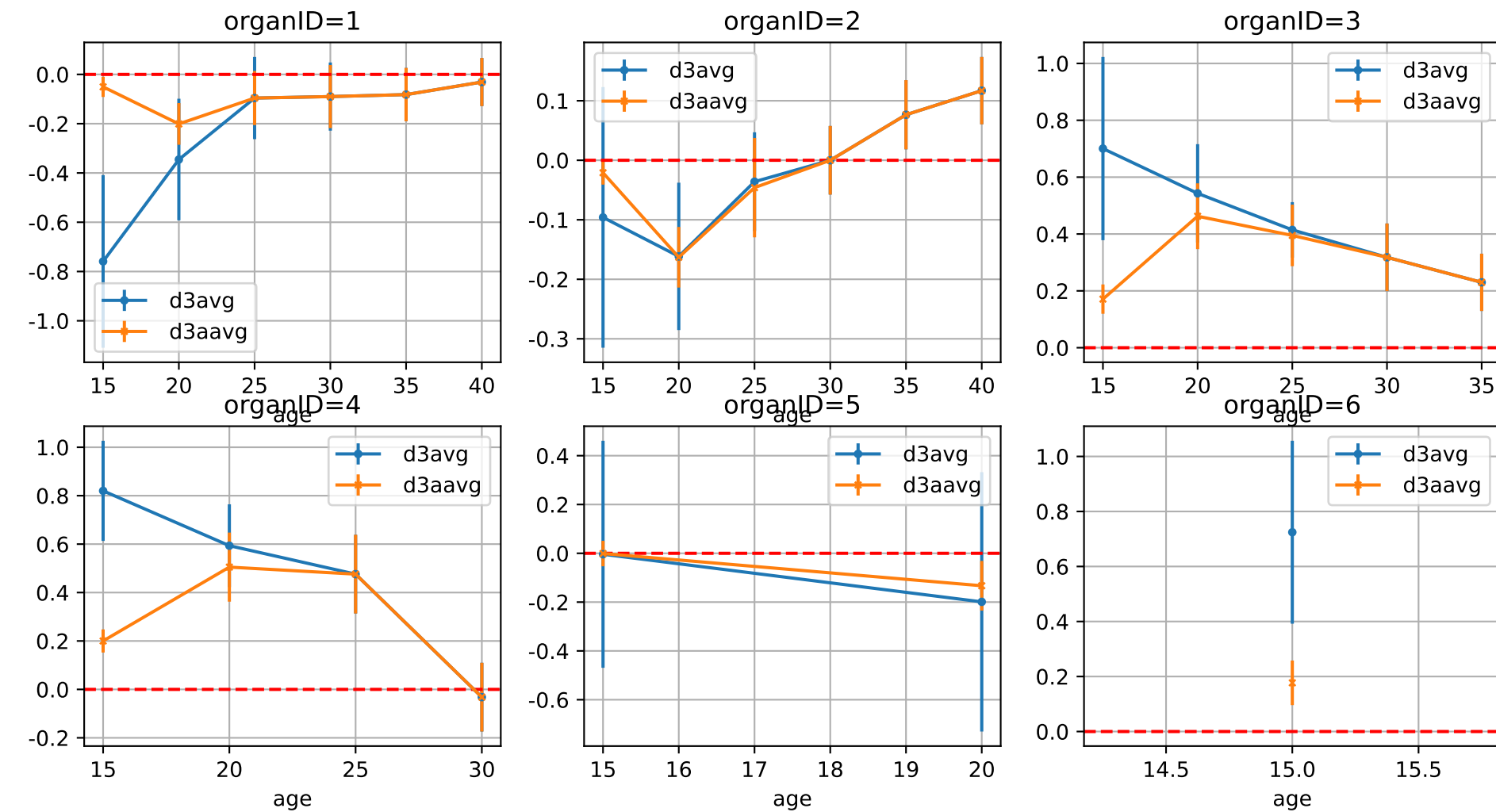
P3 FrV: D_Fr1_FrV



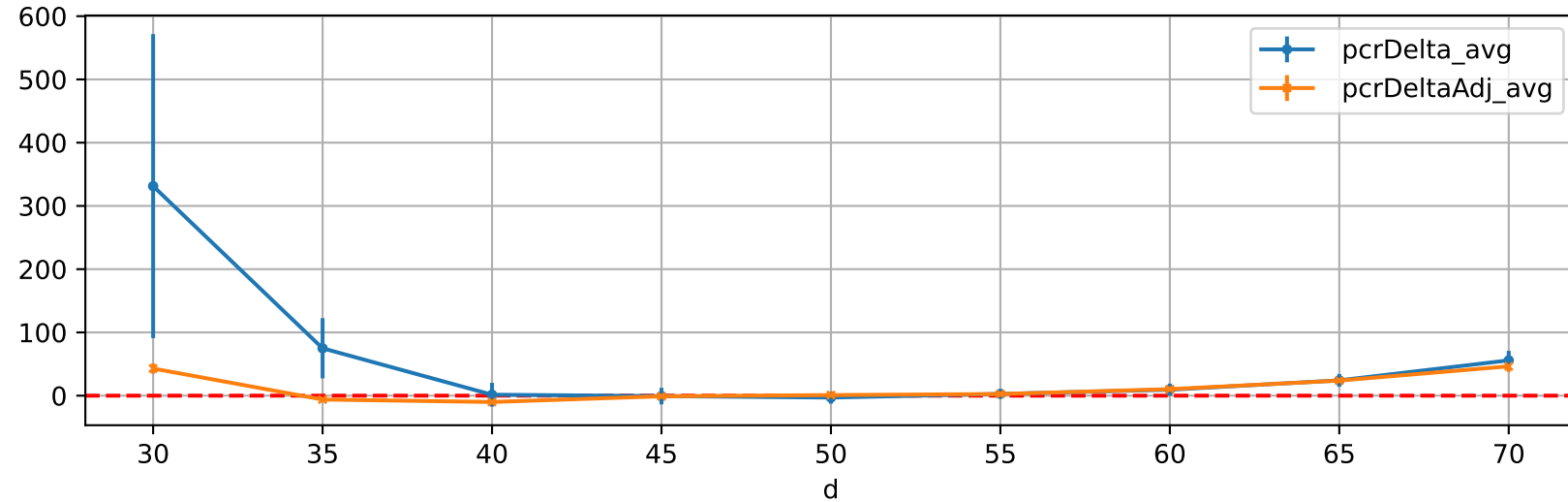


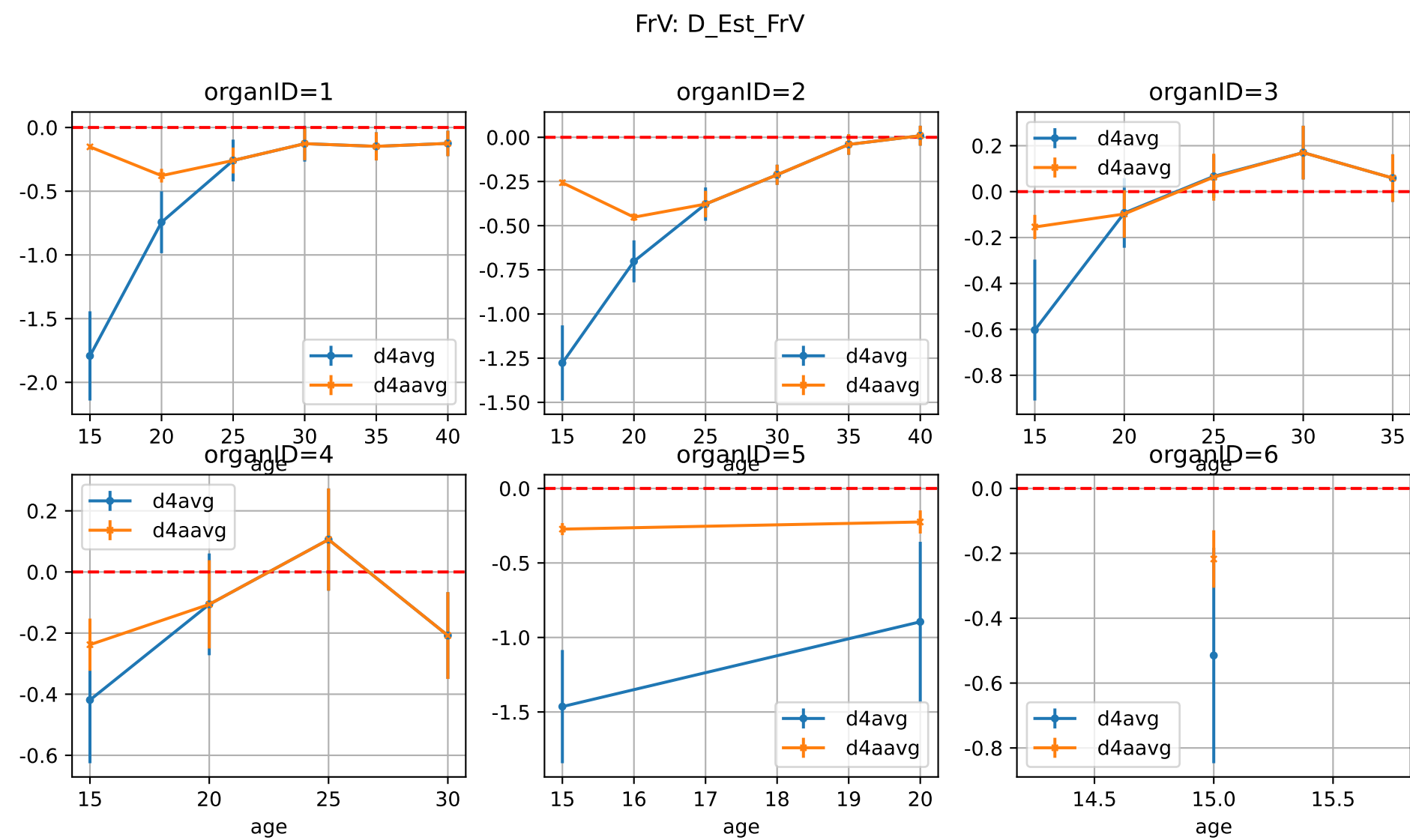
P3 FrV: D_Ts_FrV





P3 FrV: D_Q50_FrV





P3 FrV: D_Est_FrV

