

Phenotype Data Analysis Plots

PhenoData day range = 5 - 45

Analysis cutoff day = 45

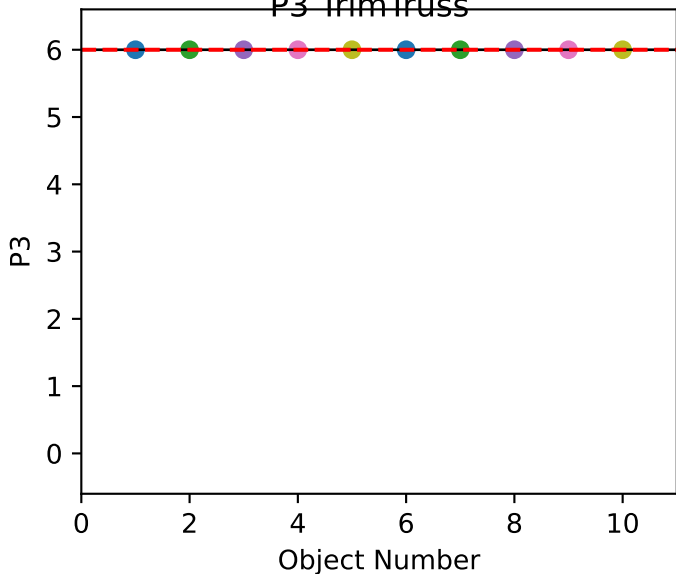
NC11 P3

2025-05-21 (Day 46)

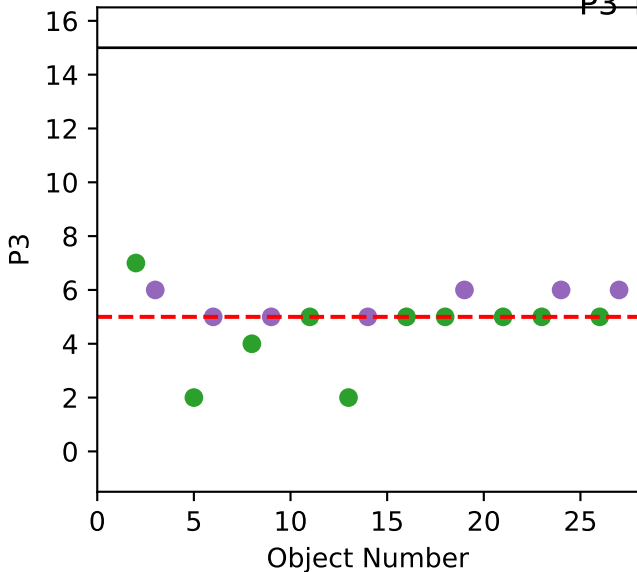
TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

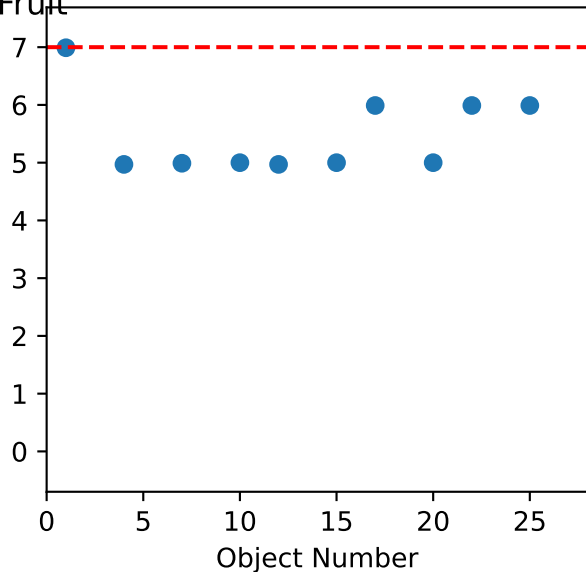
p3 Trim Truss



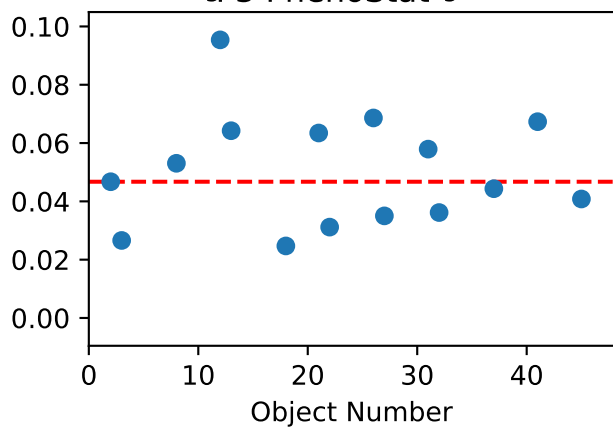
FruitNumAvgPerTruss (Def=15 Set=5)
avg1=5.0~14% avg2=na



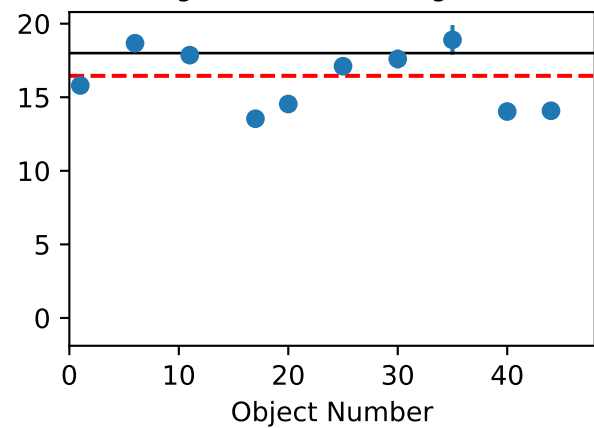
FruitNumMaxPerTruss (Def=na Set=7)
avg1=7.0~12% avg2=na



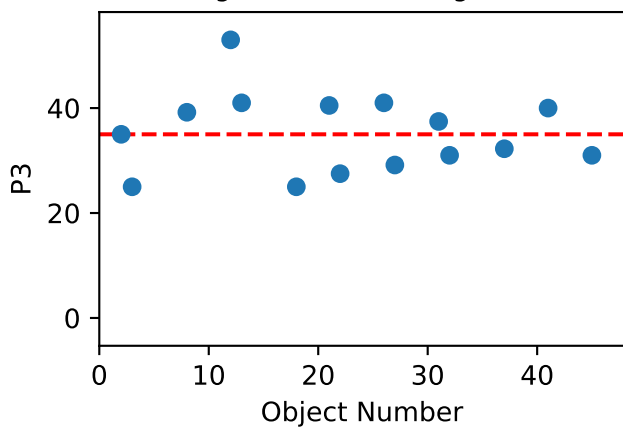
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~41% avg2=na



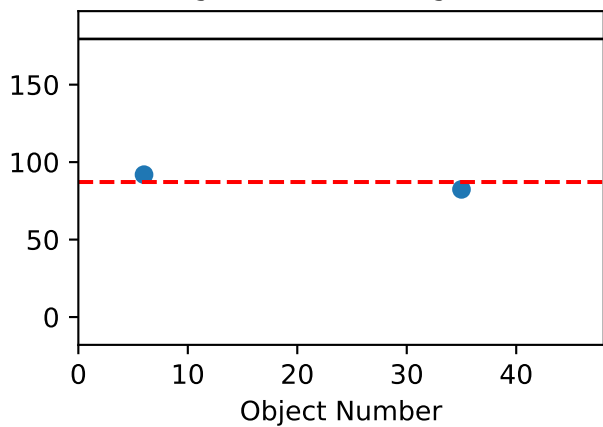
NdD_Q90AbsY (Def=18 Set=16.45)
avg1=16.45~13% avg2=na



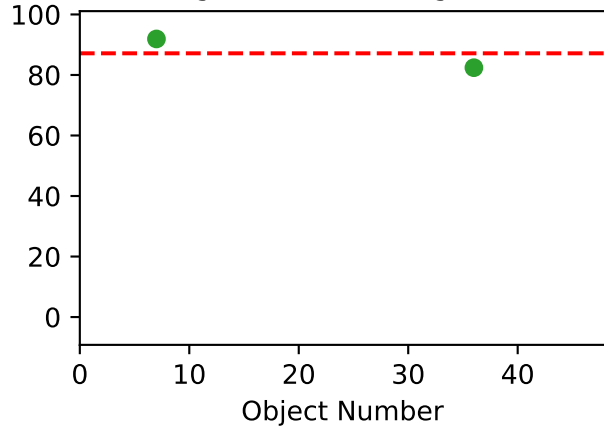
LfL_avgAbsY (Def=na Set=35.0)
avg1=35.0~22% avg2=na



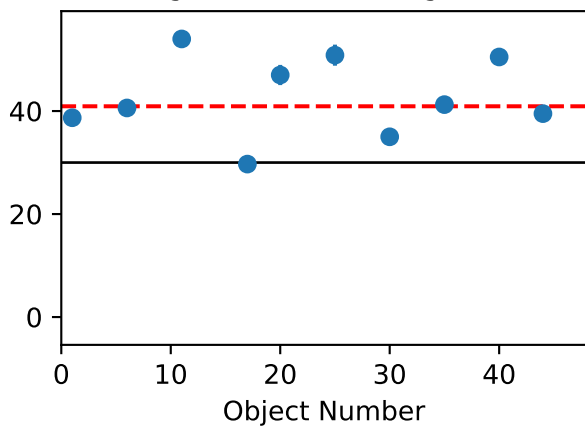
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=87.16~8% avg2=na



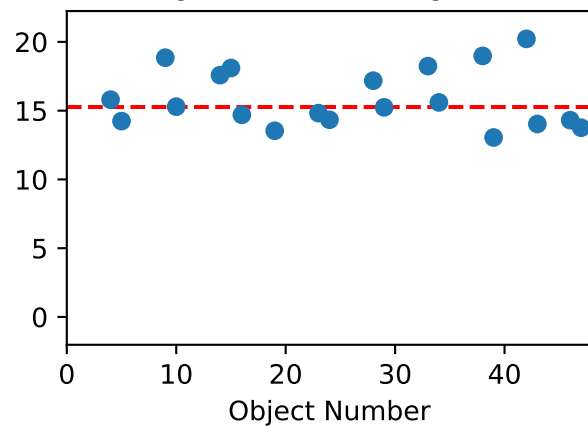
FrV_avgAbsY (Def=na Set=na)
avg1=87.16~8% avg2=na



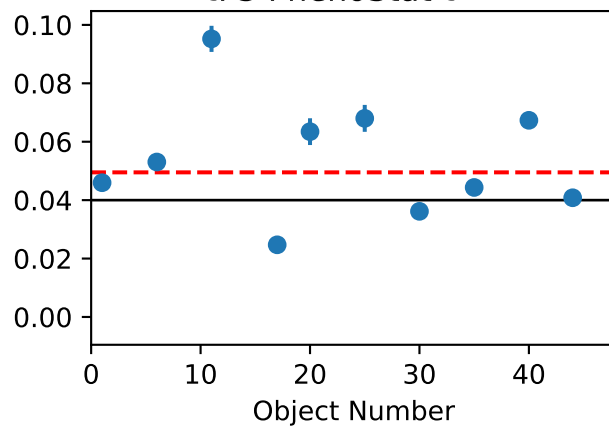
LfW_Q90AbsY (Def=30 Set=40.92)
avg1=40.92~19% avg2=na



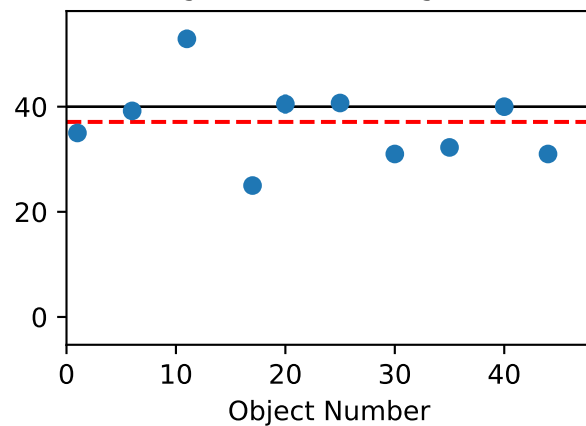
NdD_avgAbsY (Def=na Set=15.27)
avg1=15.27~14% avg2=na



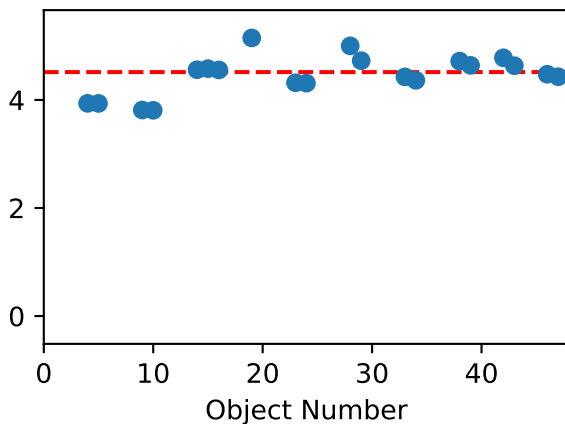
LfA_Q90AbsY (Def=0.04 Set=0.05)
avg1=0.05~41% avg2=na



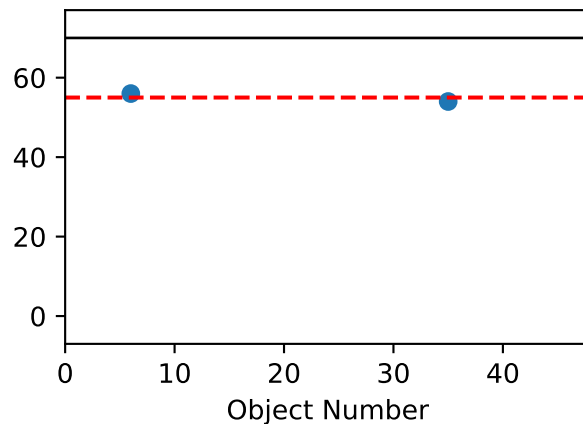
LfL_Q90AbsY (Def=40 Set=37.1)
avg1=37.1~21% avg2=na



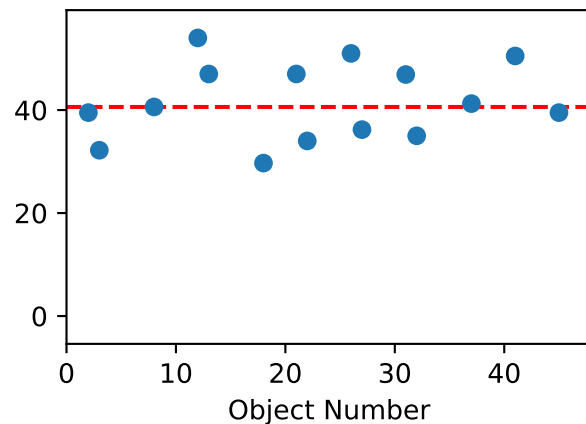
NdL_avgAbsY (Def=na Set=4.52)
avg1=4.52~8% avg2=na



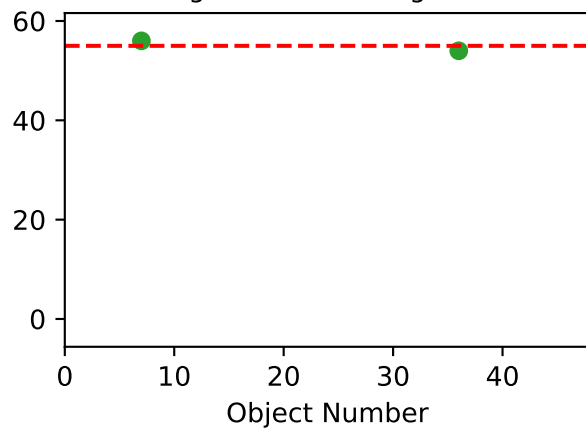
FrD_Q90AbsY (Def=70 Set=51.7)
avg1=55.0~3% avg2=na



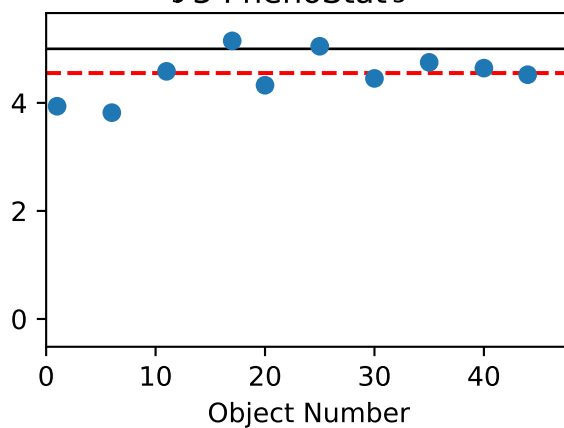
LfW_avgAbsY (Def=na Set=40.6)
avg1=40.6~18% avg2=na



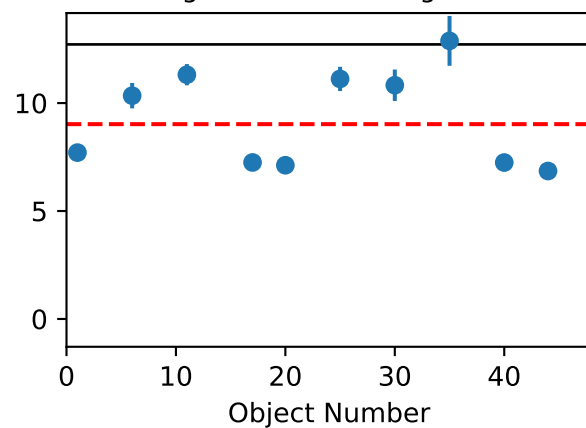
FrD_avgAbsY (Def=na Set=51.7)
avg1=55.0~3% avg2=na



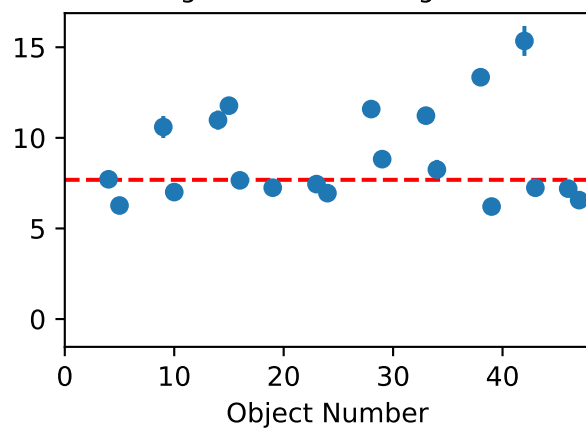
NdL_Q90AbsY (Def=5 Set=4.55)
avg1=4.55~9% avg2=na



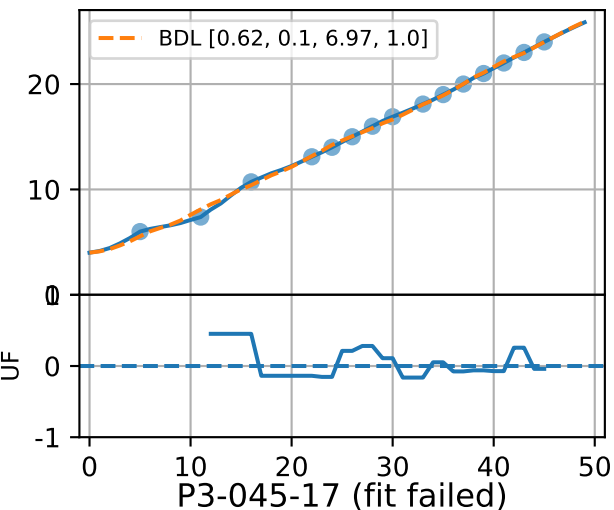
NdV_Q90AbsY (Def=12.72 Set=9.02)
avg1=9.02~25% avg2=na



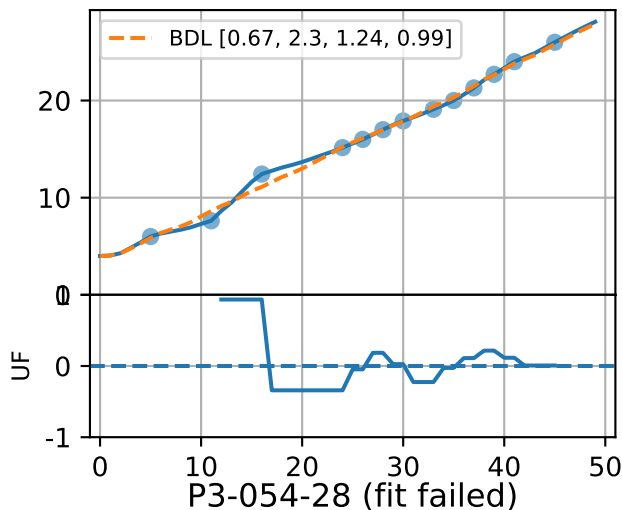
NdV_avgAbsY (Def=na Set=7.68)
avg1=7.68~34% avg2=na



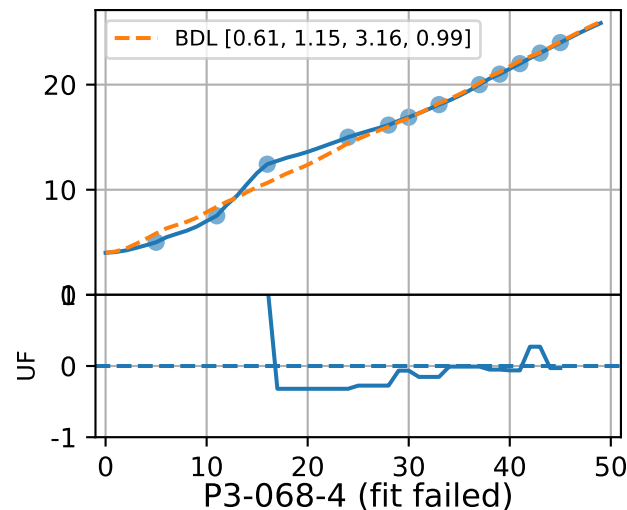
P3-009-13 (fit failed)



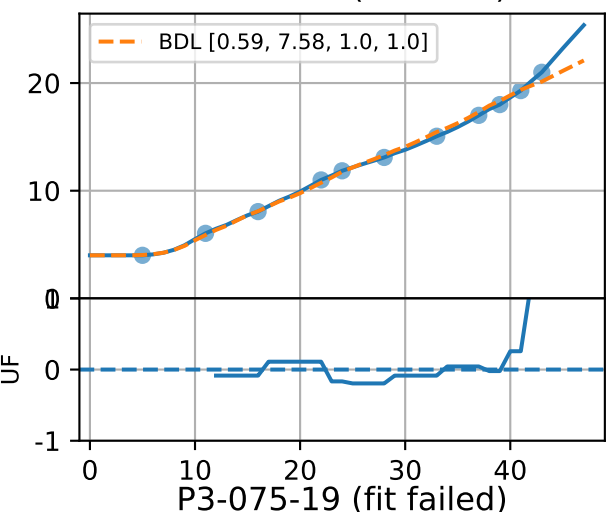
P3-021-19 (fit failed)



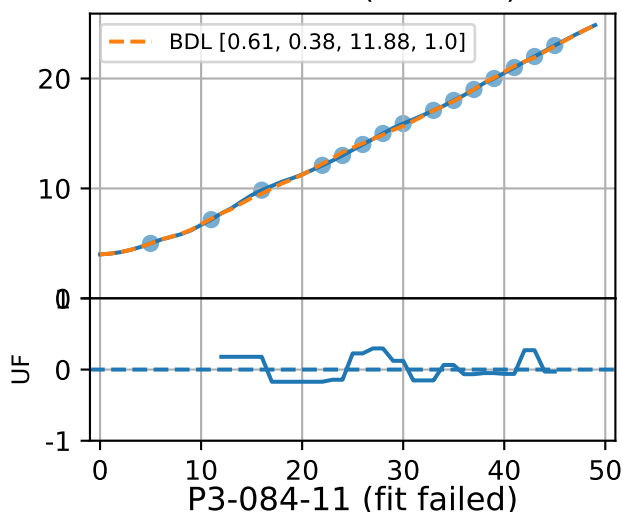
P3-034-5 (fit failed)



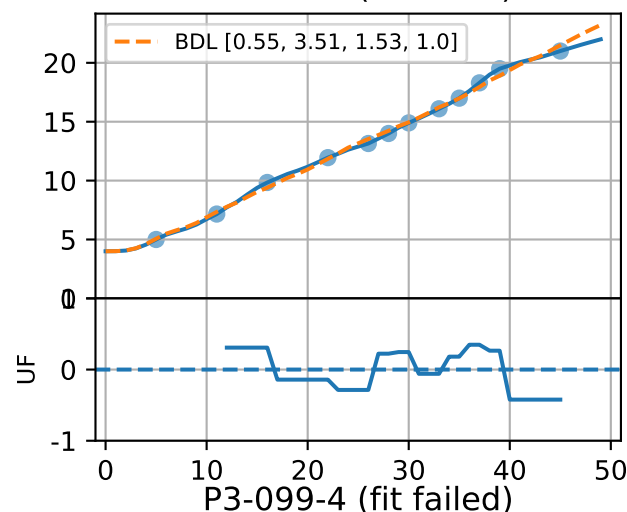
P3-045-17 (fit failed)



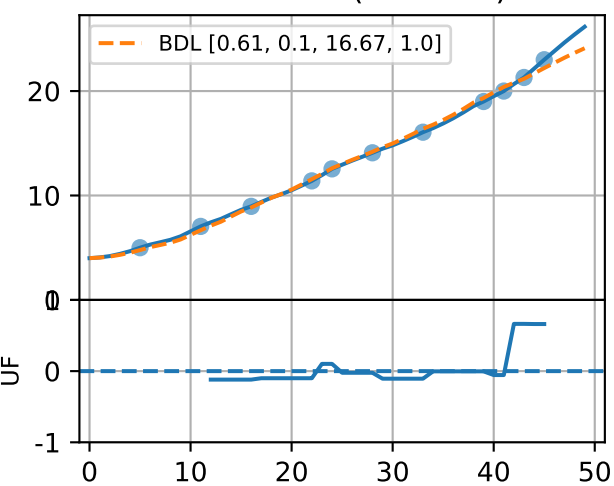
P3-054-28 (fit failed)



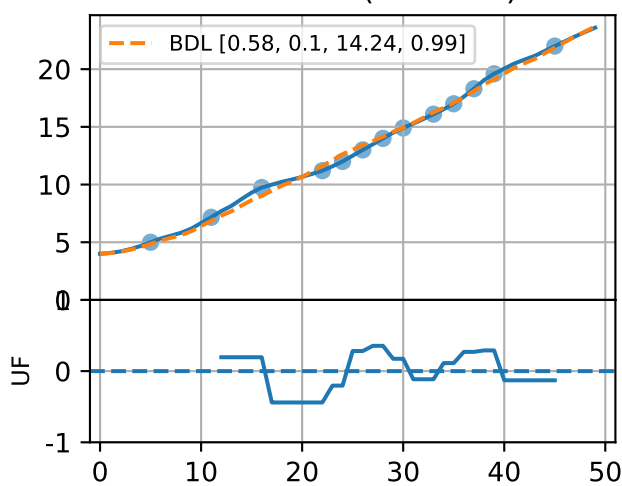
P3-068-4 (fit failed)



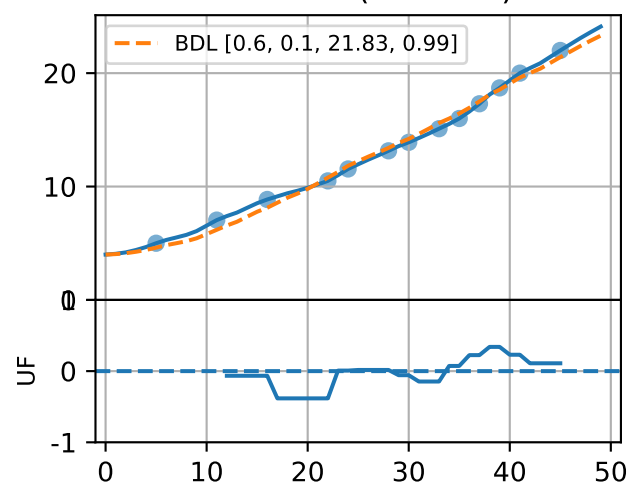
P3-075-19 (fit failed)



P3-084-11 (fit failed)

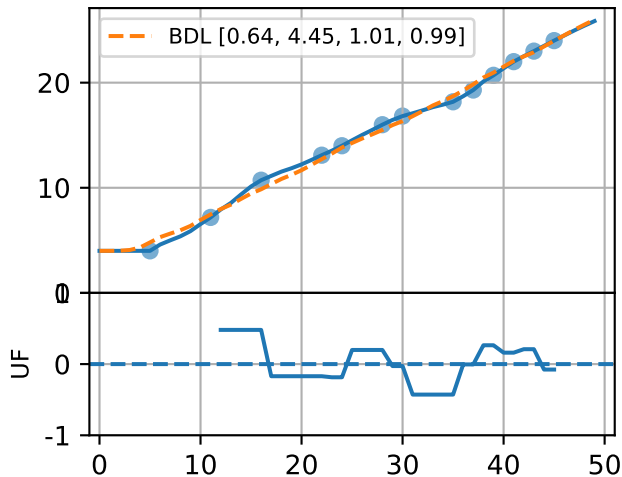


P3-099-4 (fit failed)



P3-110-23 (fit failed)

NdN

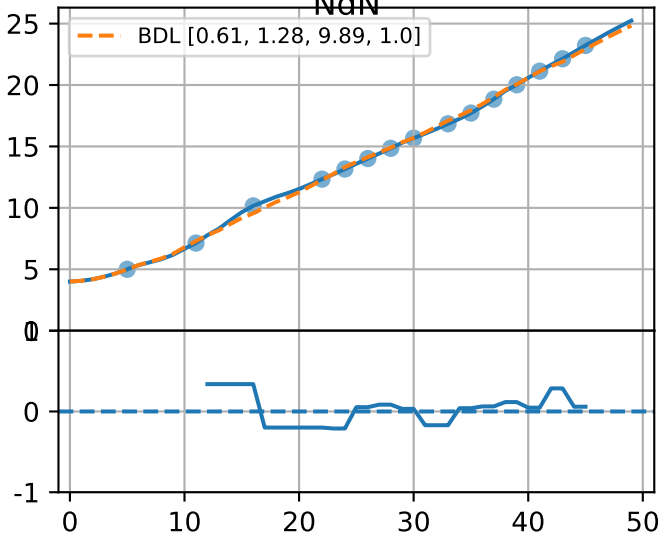


P3avg (fit failed)

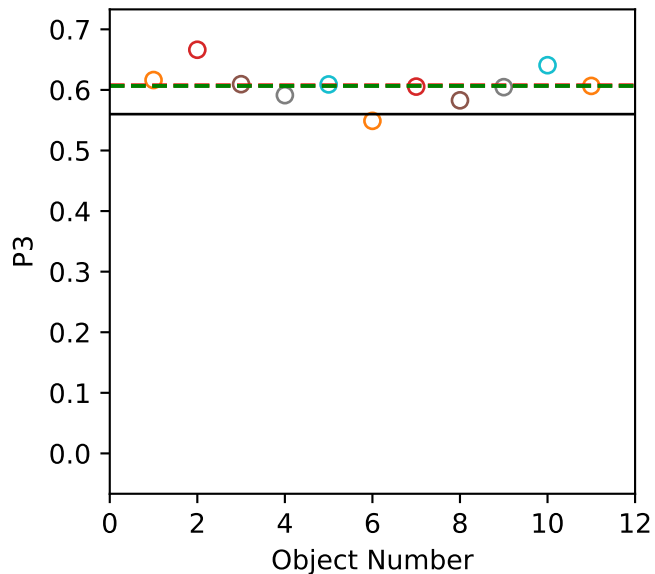
NaN

BDL [0.61, 1.28, 9.89, 1.0]

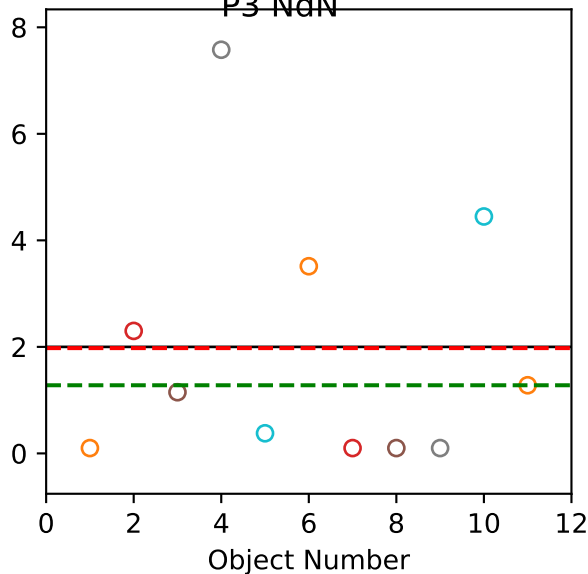
UF



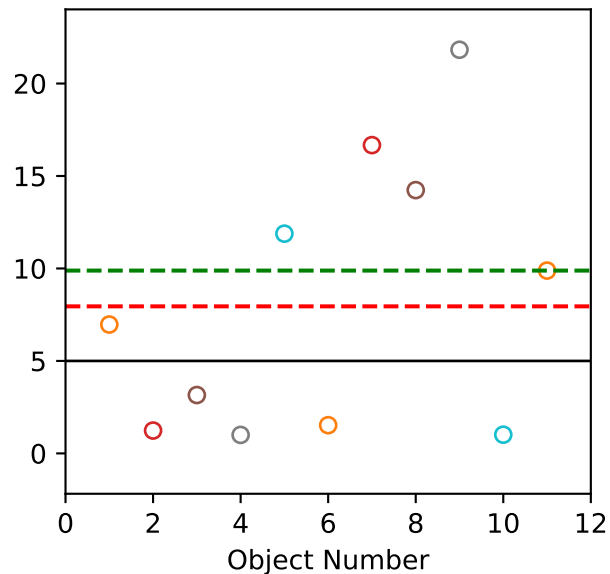
a (Def=0.56 Set=0.61)
avg1=0.61(fail) avg2=0.61



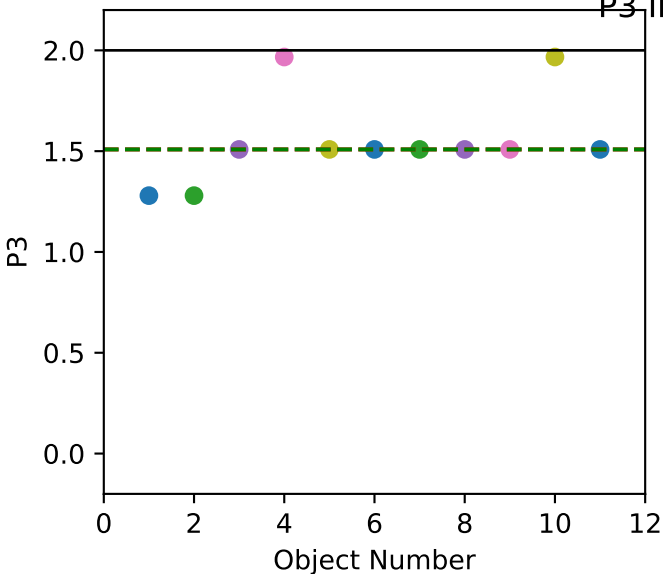
dm (Def=2 Set=1.28)
avg1=1.98(fail) avg2=1.28



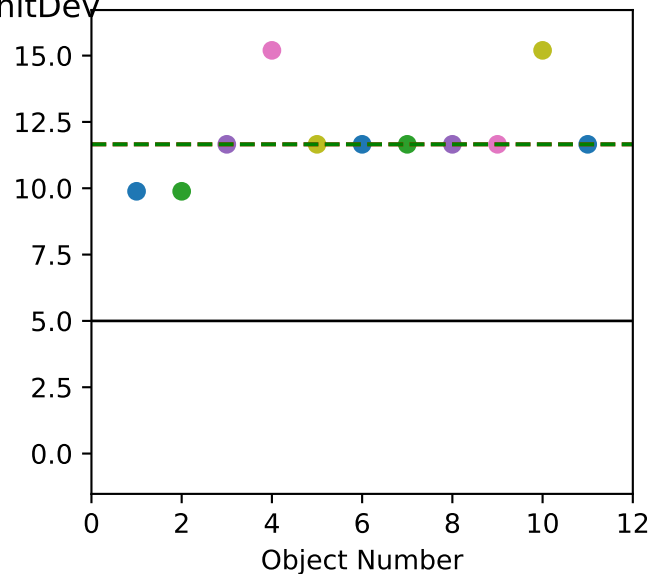
de (Def=5 Set=9.89)
avg1=7.95(fail) avg2=9.89



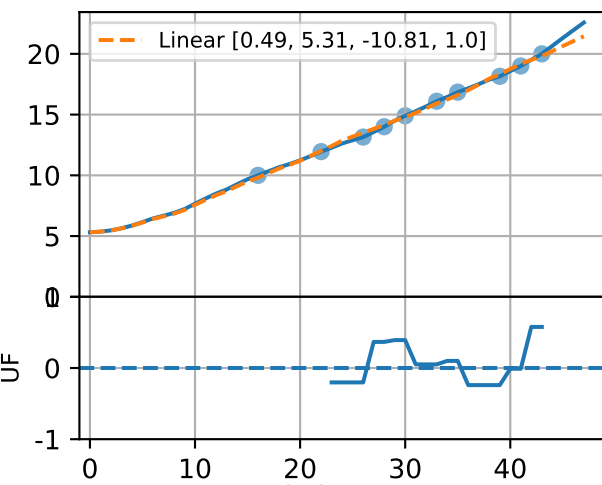
InitDev_dm (Def=2 Set=1.51)
avg1=1.51~0% avg2=1.51



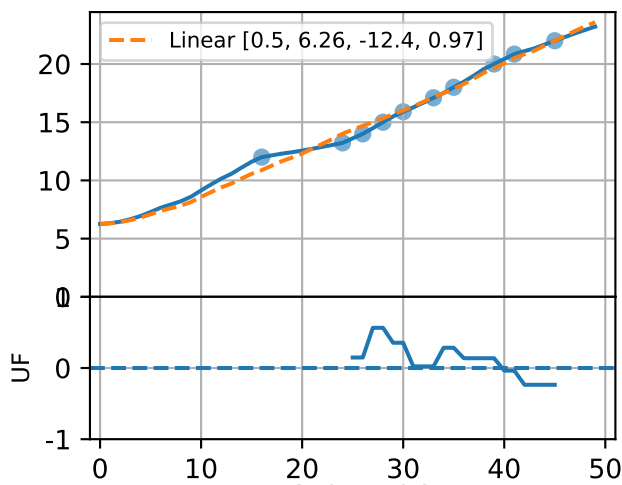
InitDev_de (Def=5 Set=11.66)
avg1=11.66~0% avg2=11.66



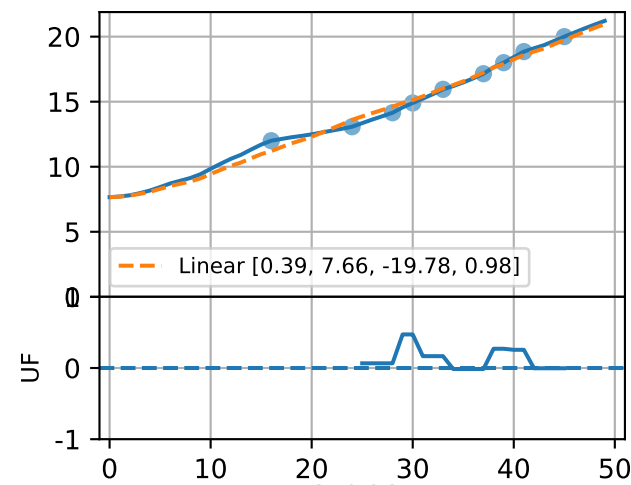
P3-009-13



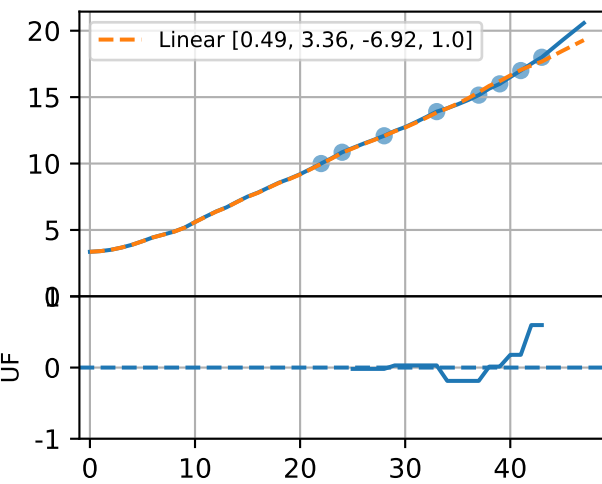
P3-021-19



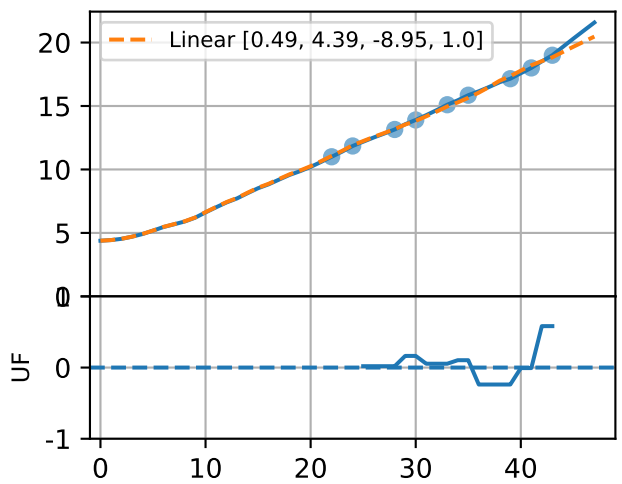
P3-034-5



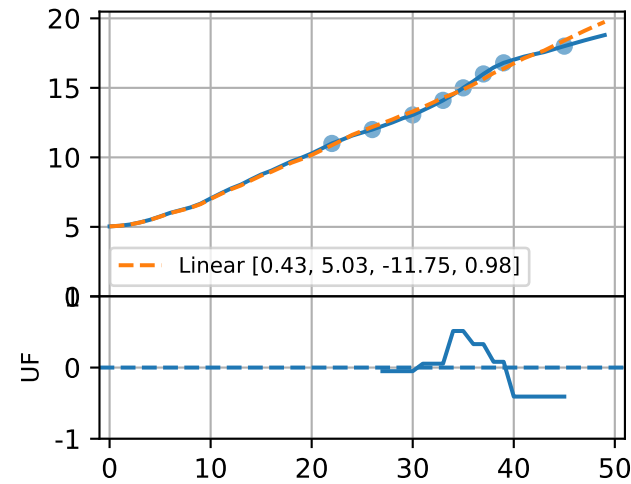
P3-045-17



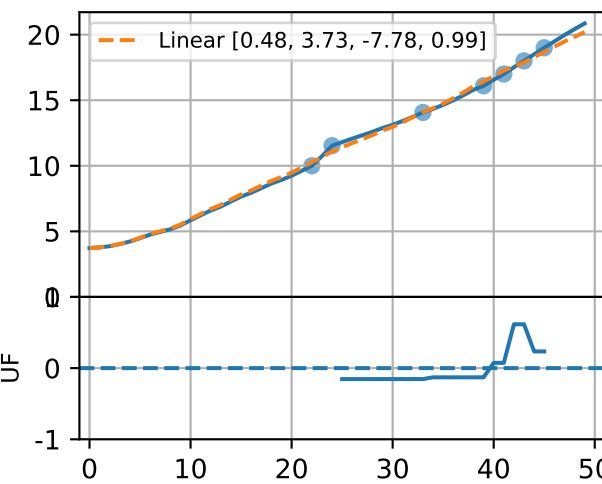
P3-054-28



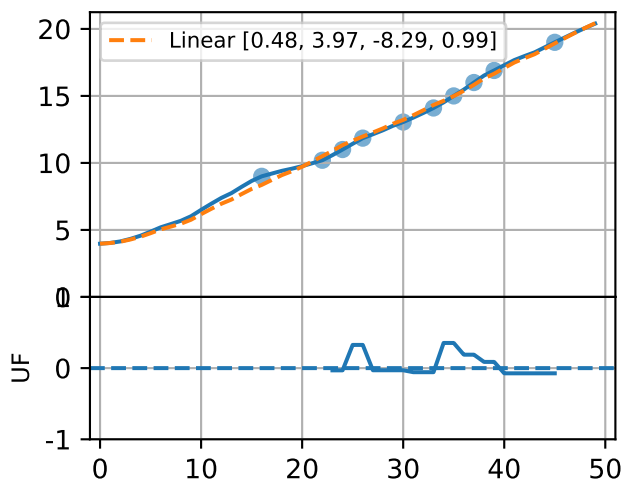
P3-068-4



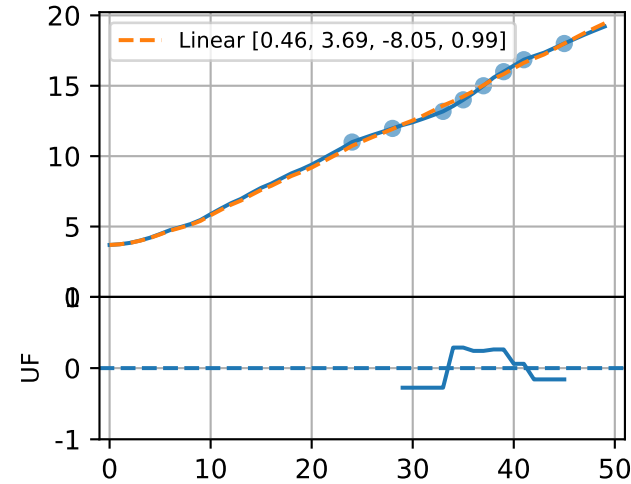
P3-075-19



P3-084-11

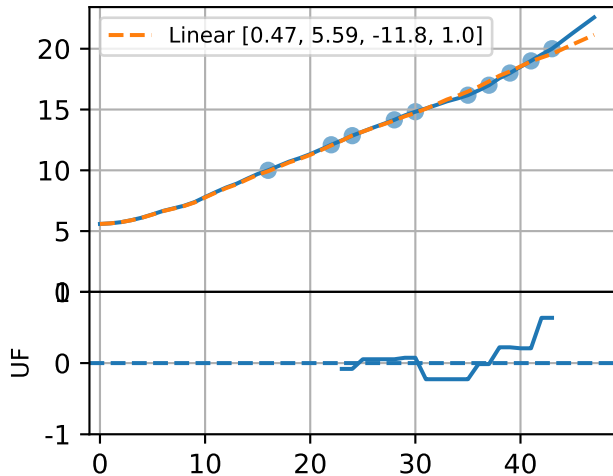


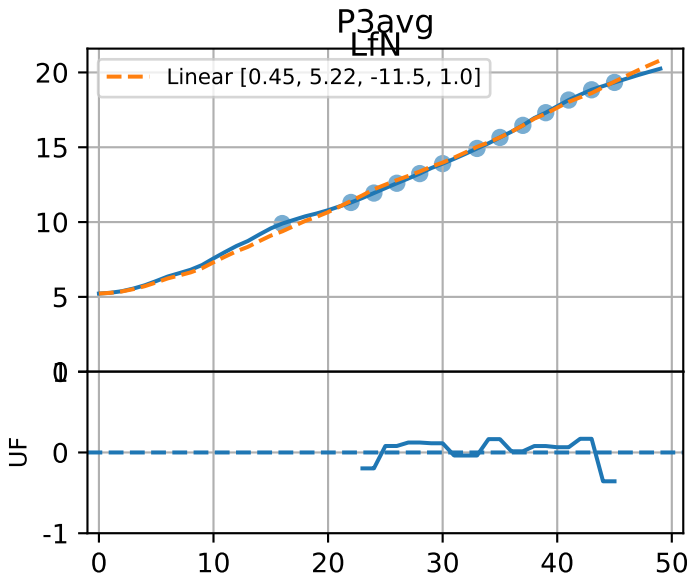
P3-099-4



P3-110-23

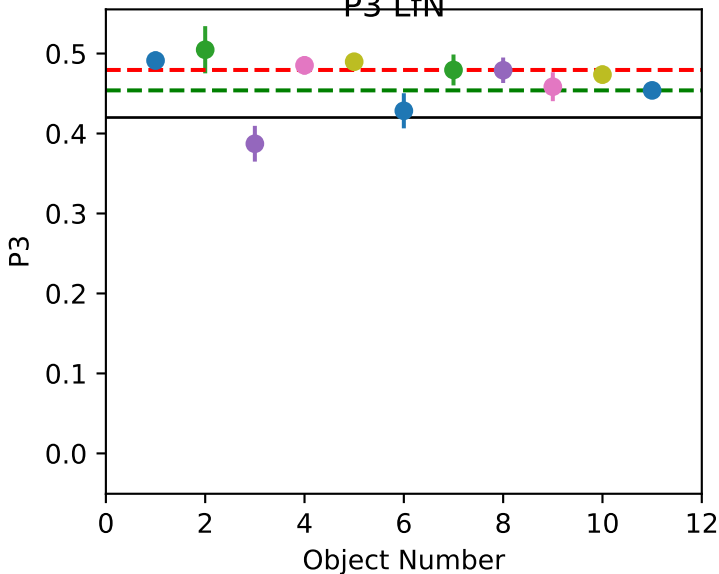
LfN





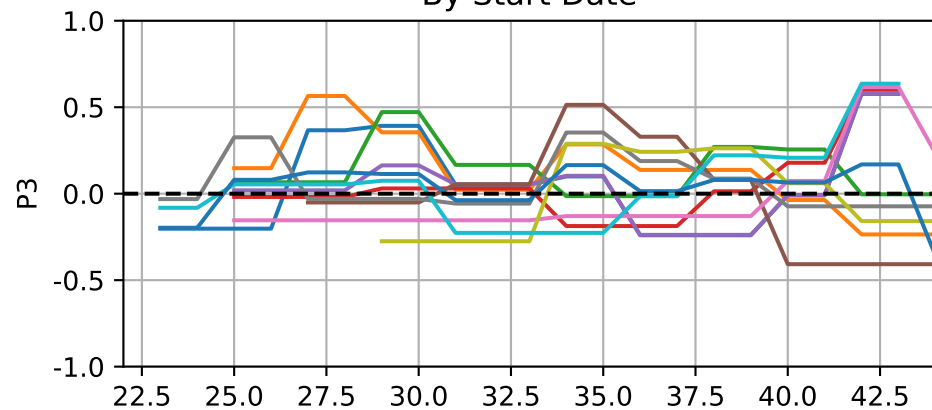
a (Def=0.42 Set=0.45)
avg1=0.48~5% avg2=0.45~6%

P3 LfN

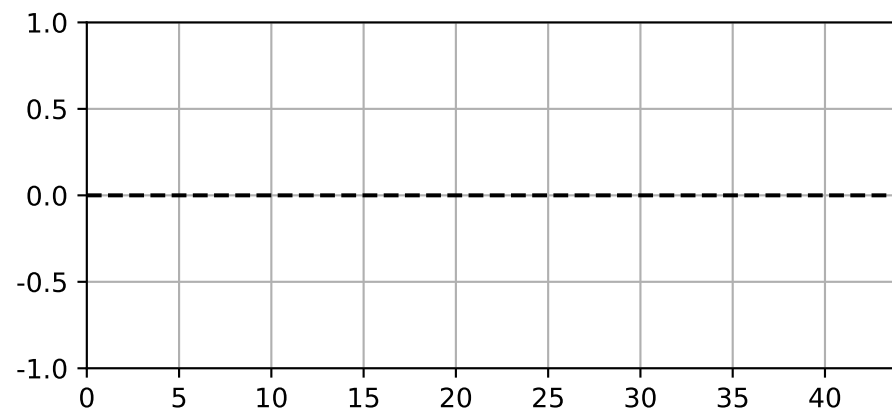
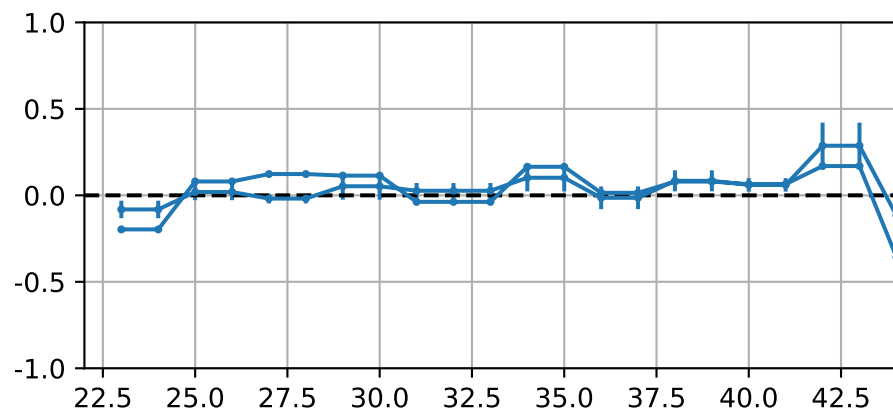
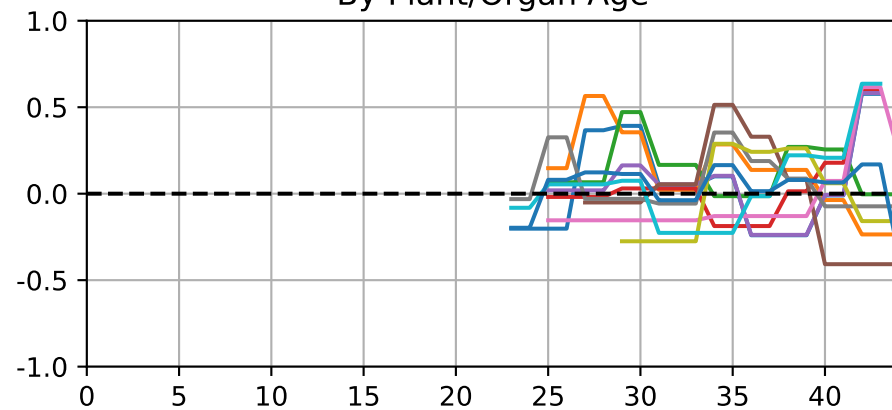


LfN

By Start Date

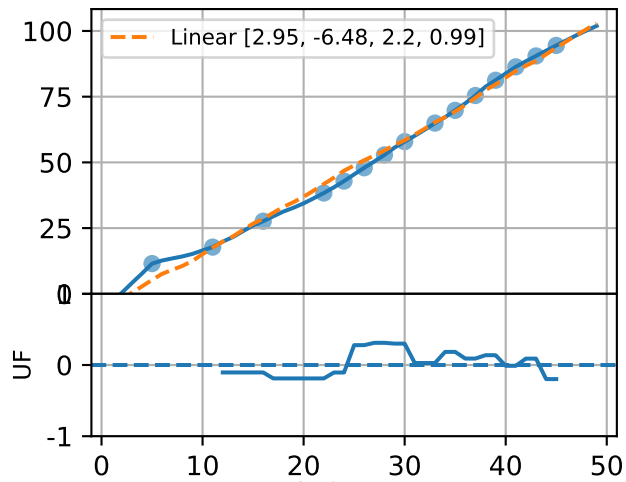


By Plant/Organ Age

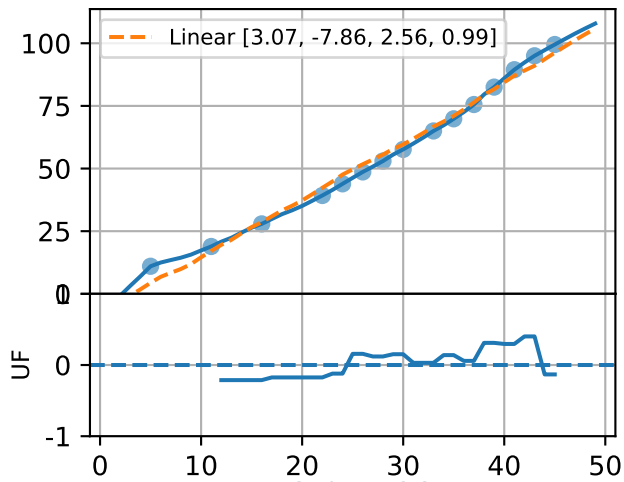


StH

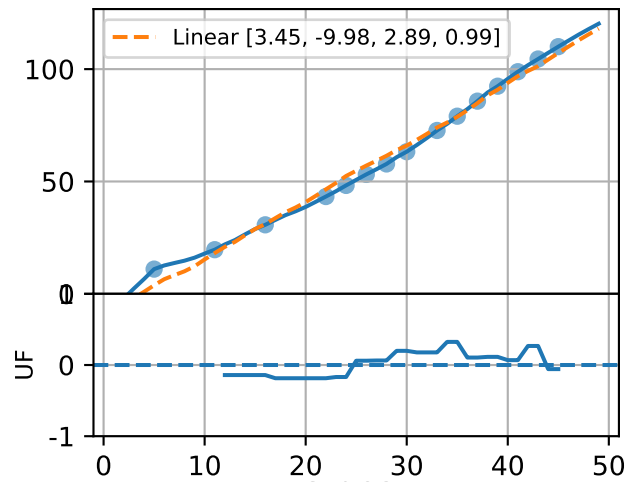
P3-009-13



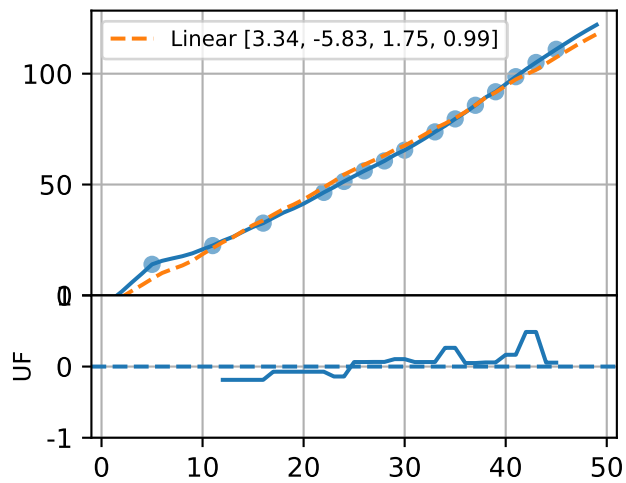
P3-021-19



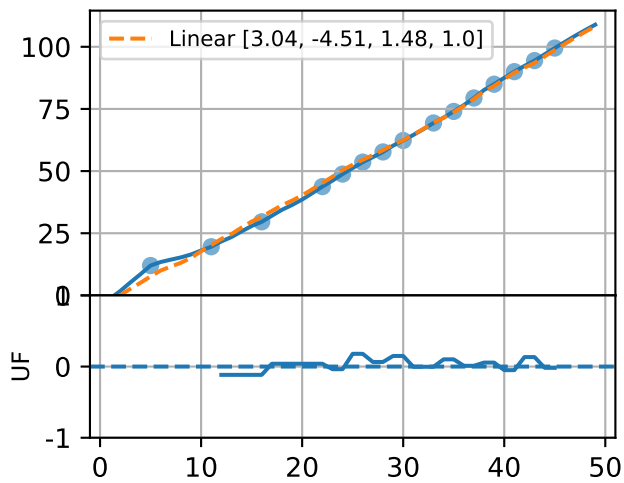
P3-034-5



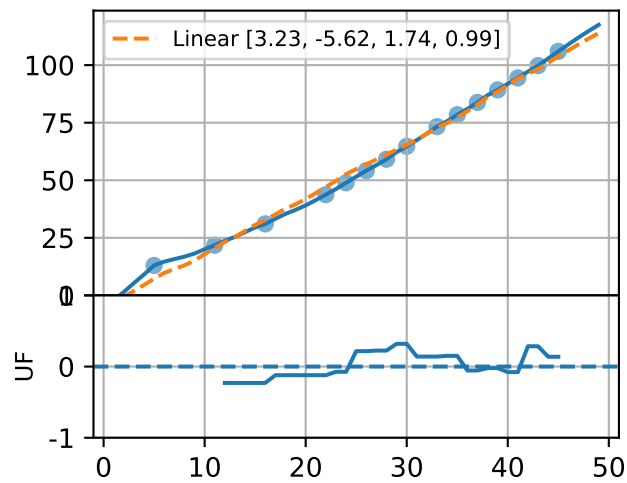
P3-045-17



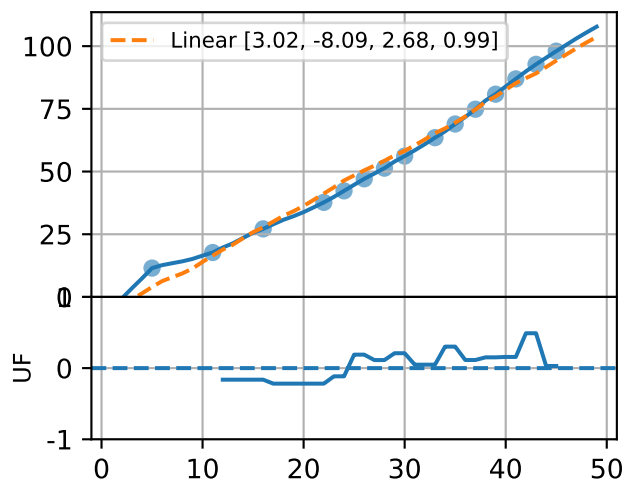
P3-054-28



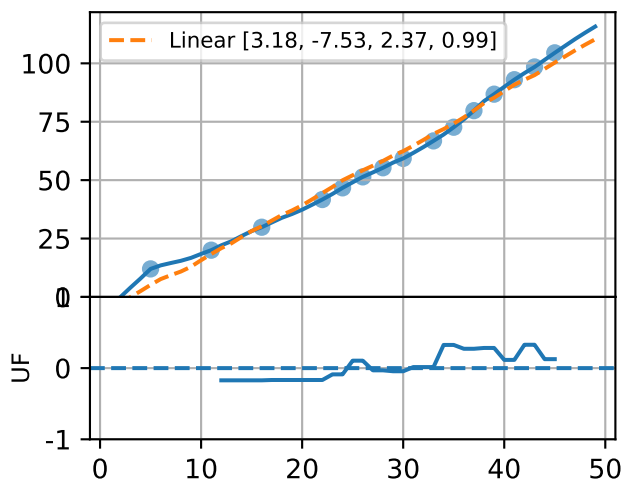
P3-068-4



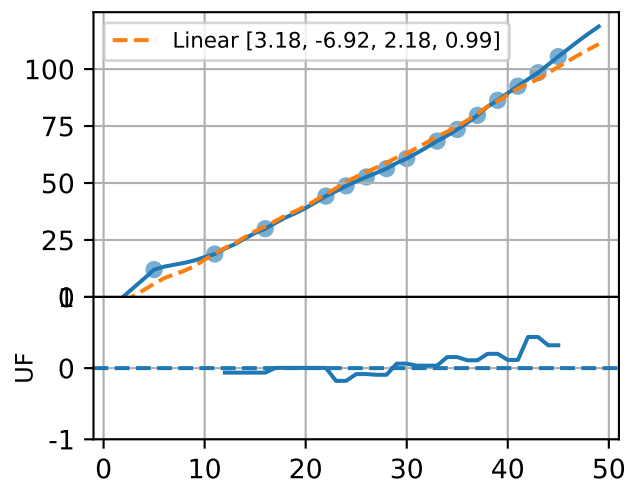
P3-075-19



P3-084-11

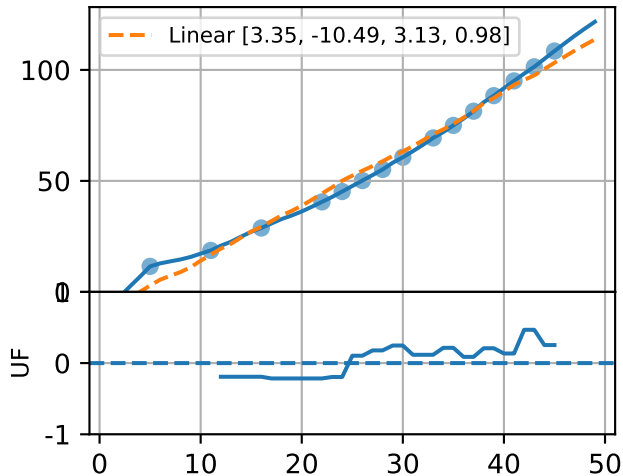


P3-099-4

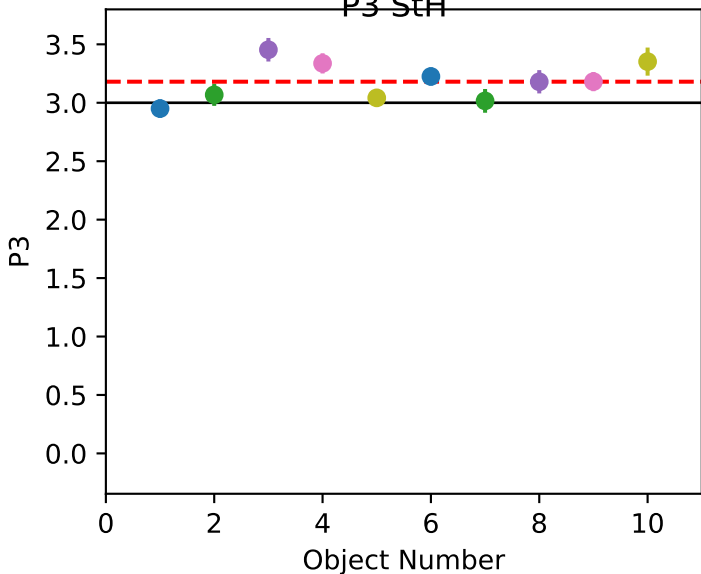


P3-110-23

StH

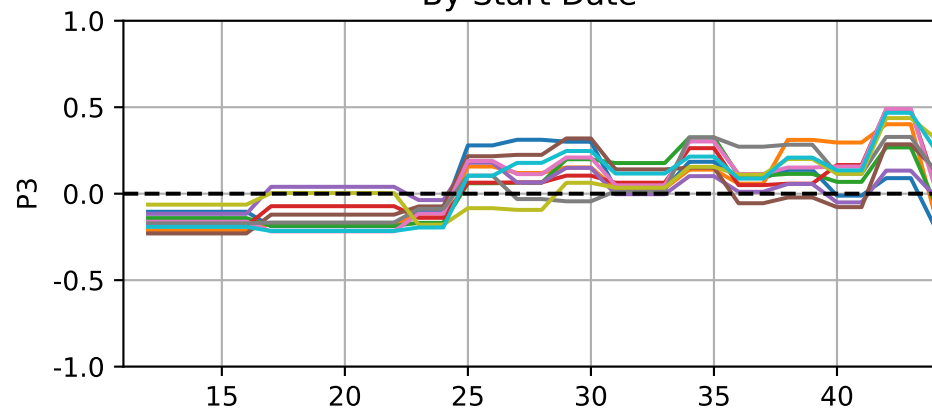


a (Def=3 Set=3.18)
avg1=3.18~5% avg2=na
p3 StH

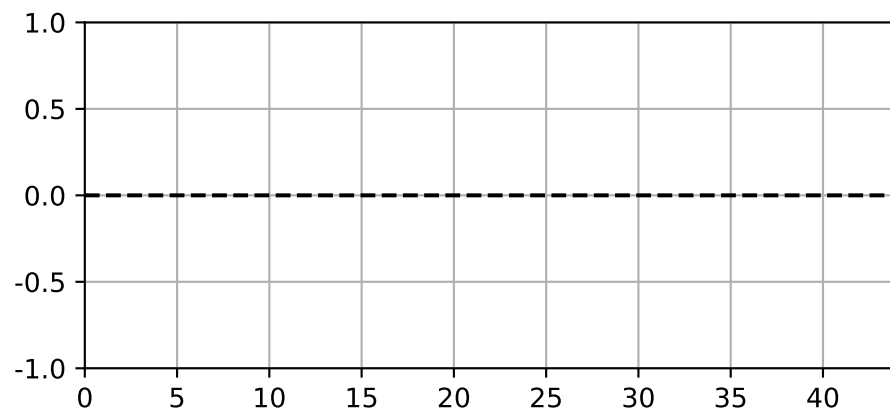
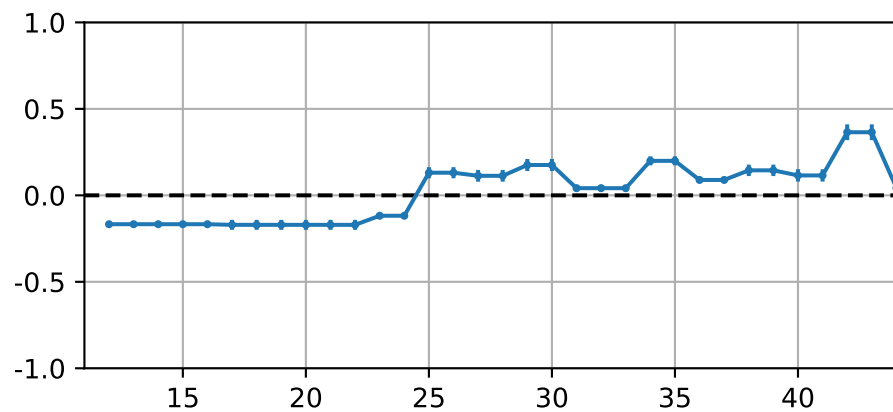
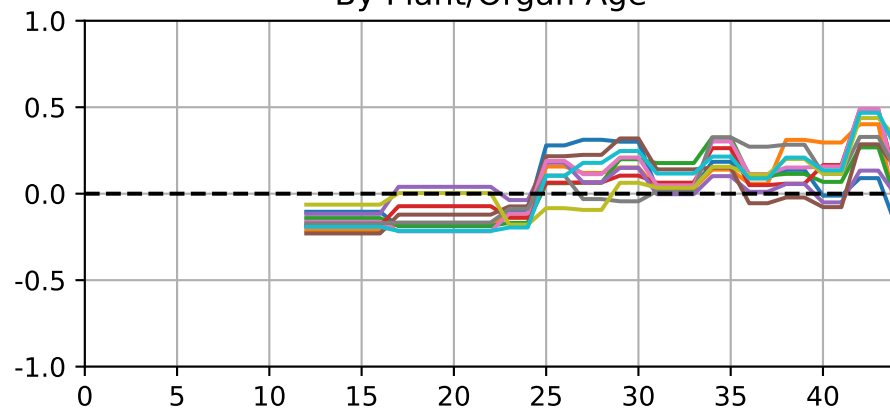


StH

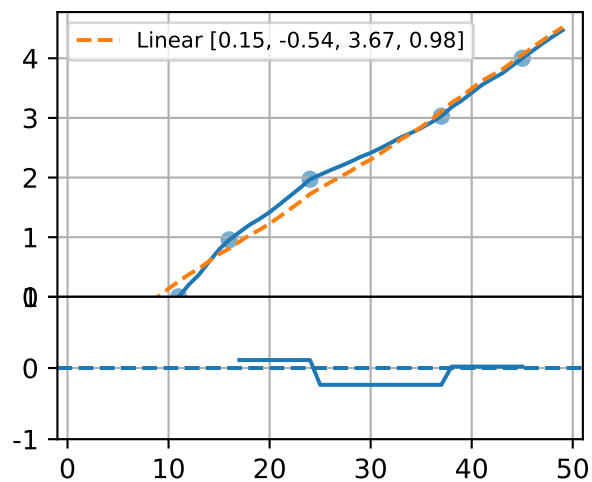
By Start Date



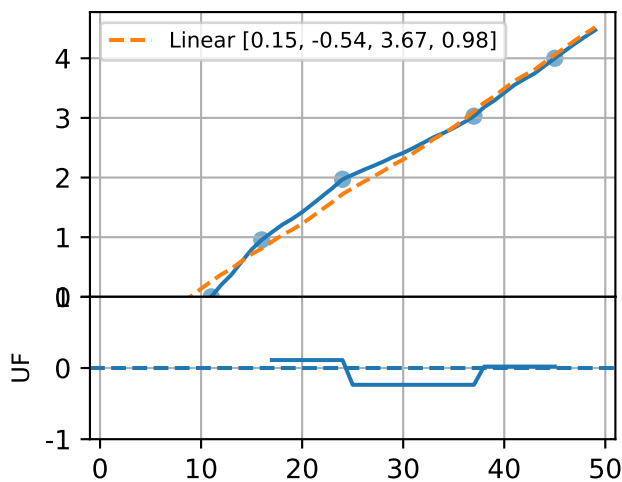
By Plant/Organ Age



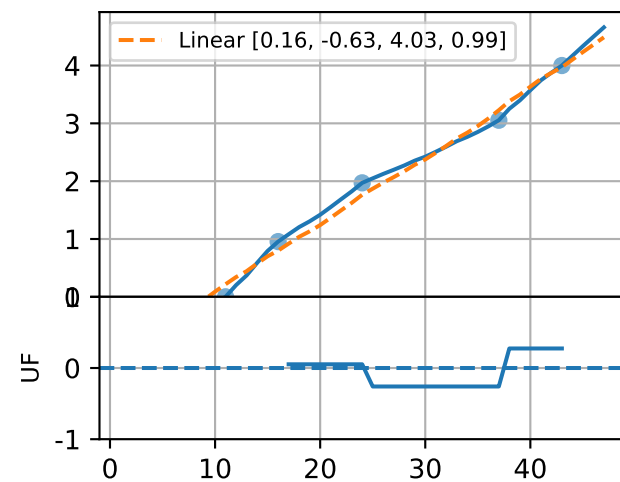
P3-009-13



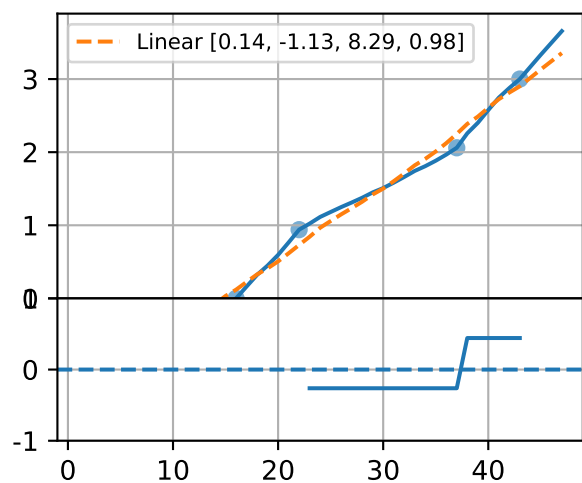
P3-021-19



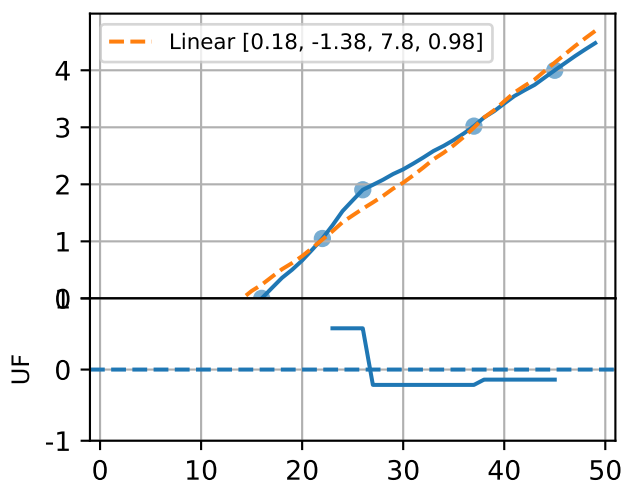
P3-034-5



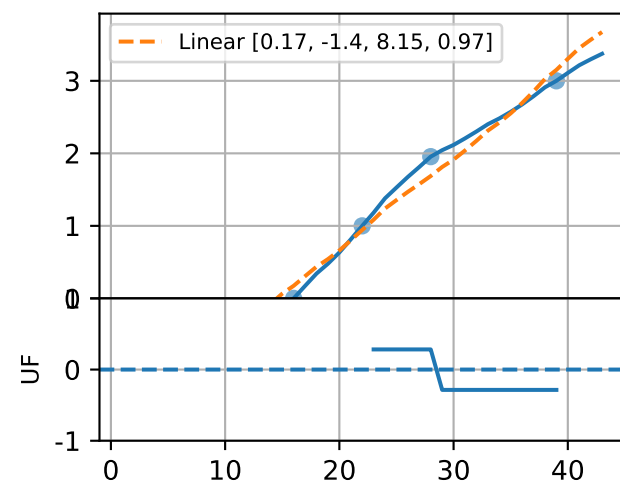
P3-045-17



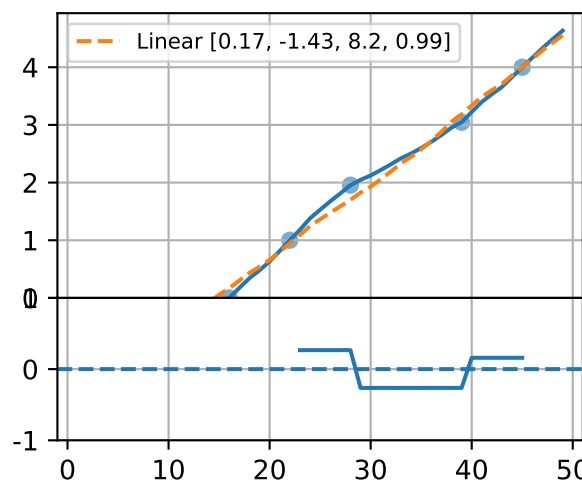
P3-054-28



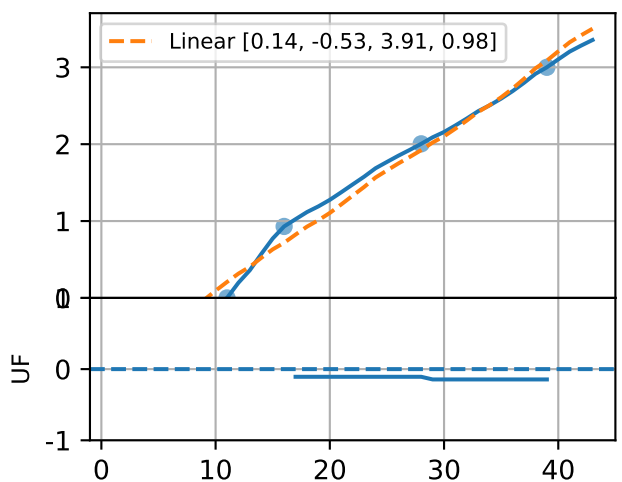
P3-068-4



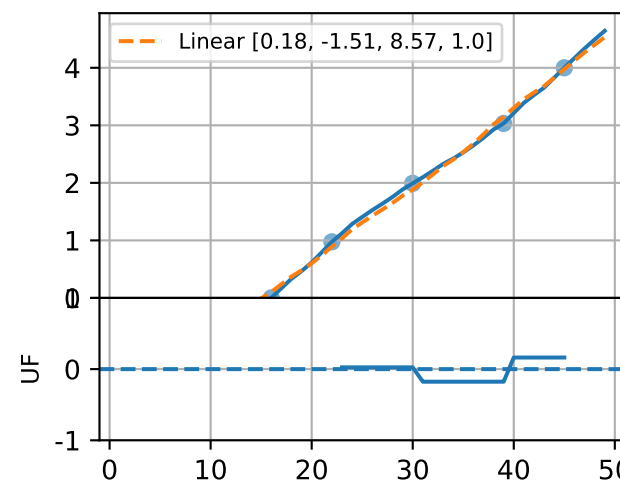
P3-075-19



P3-084-11

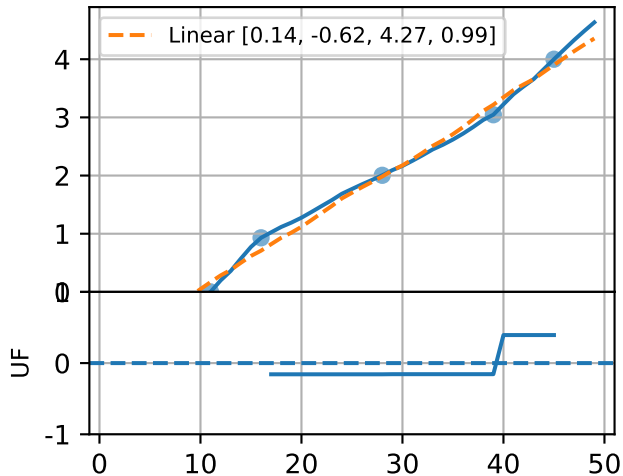


P3-099-4



P3-110-23

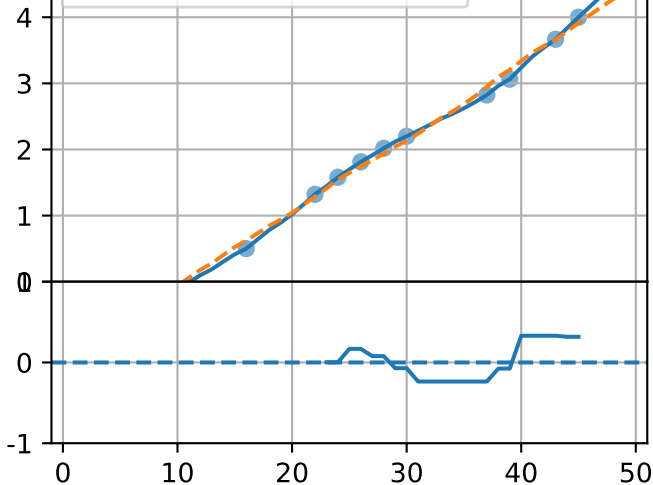
TsN



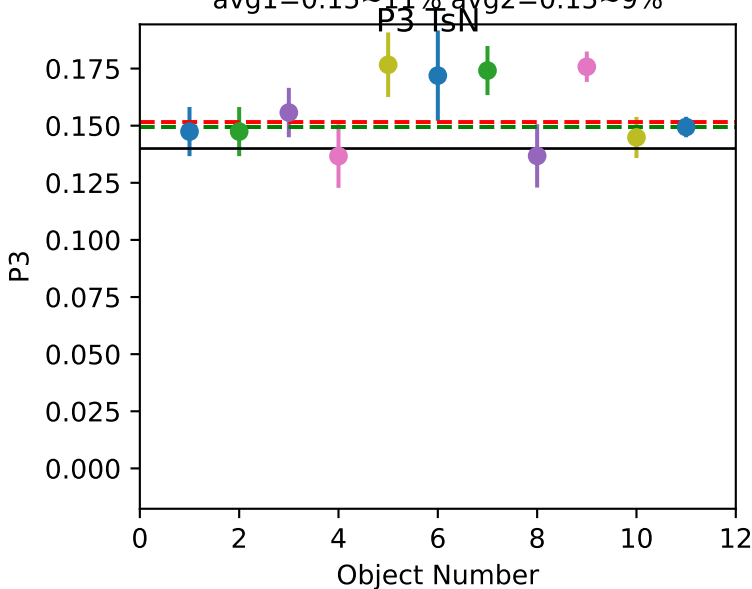
P3avg
TSN

Linear [0.15, -0.75, 5.02, 0.99]

UF

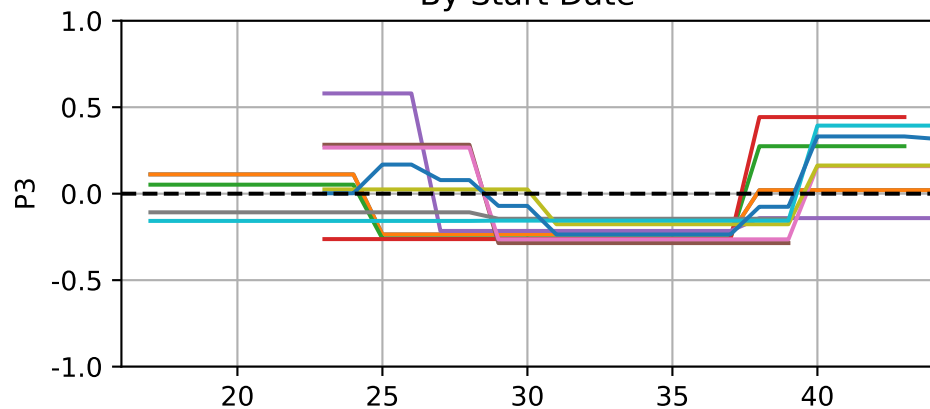


a (Def=0.14 Set=0.15)
avg1=0.15~11% avg2=0.15~9%

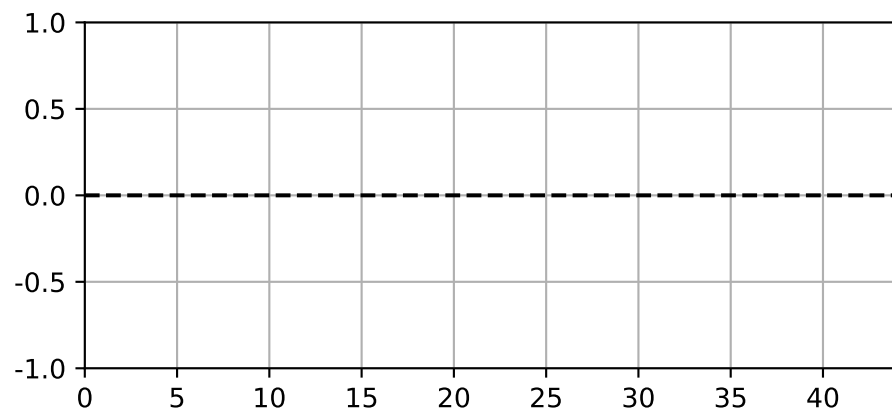
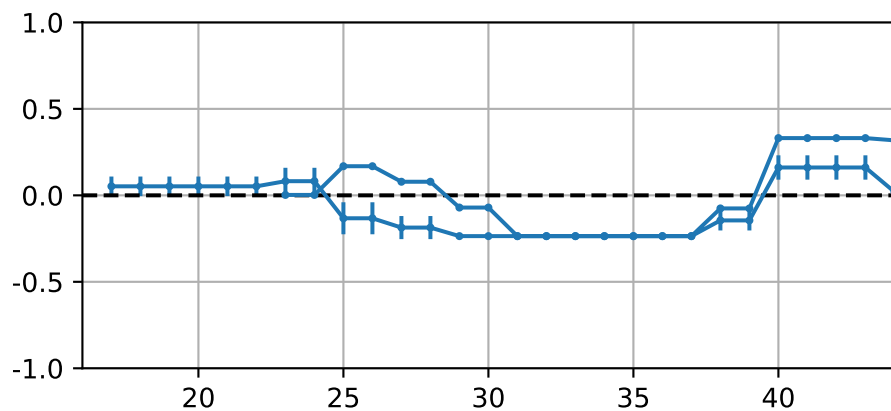
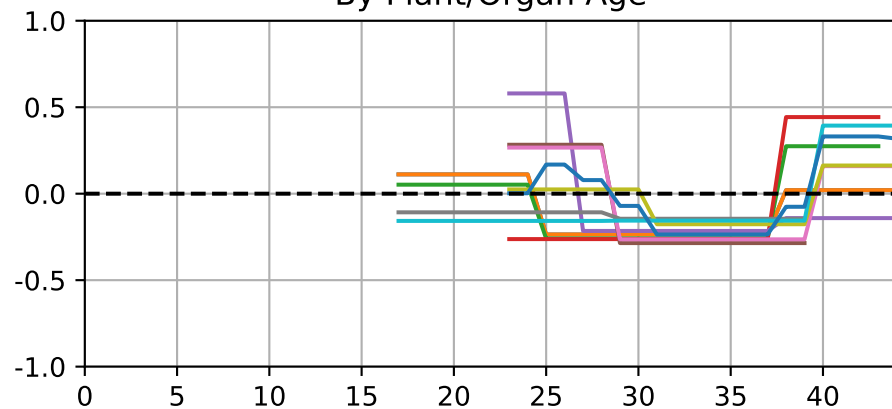


TsN

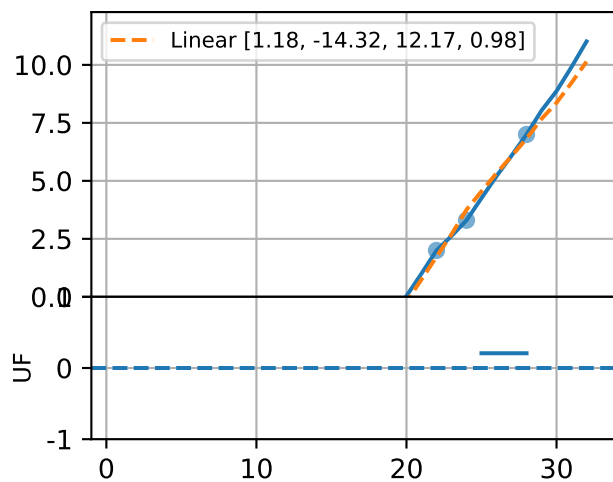
By Start Date



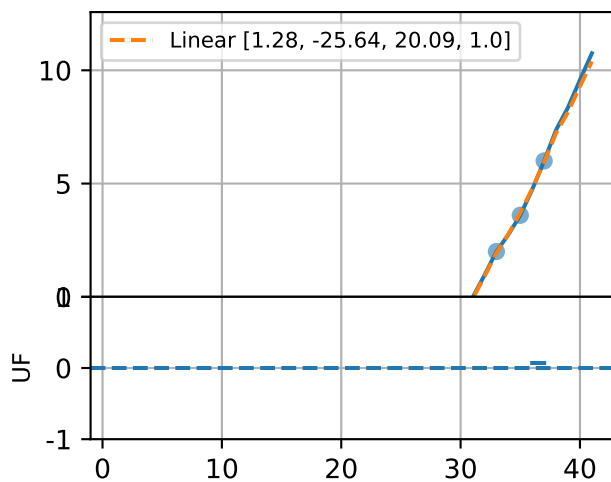
By Plant/Organ Age



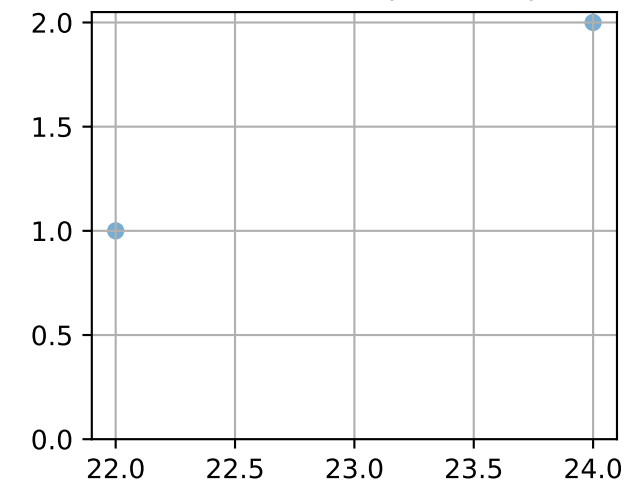
P3-009-13T1



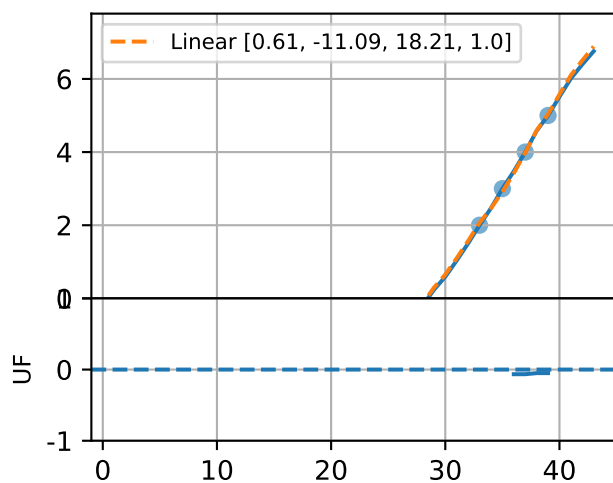
P3-009-13T2



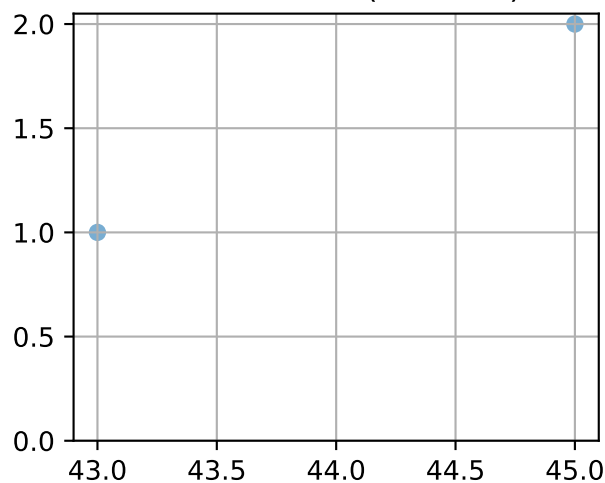
P3-021-19T1 (fit failed)



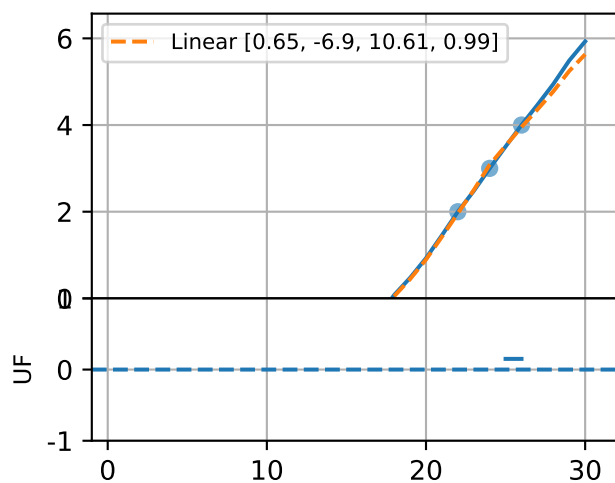
P3-021-19T2



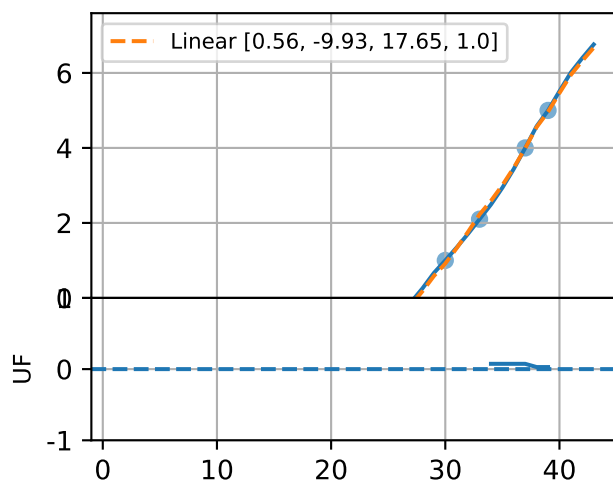
P3-021-19T3 (fit failed)



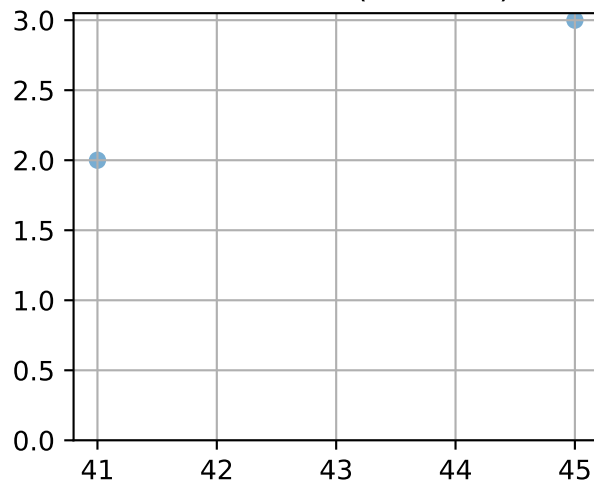
P3-034-5T1



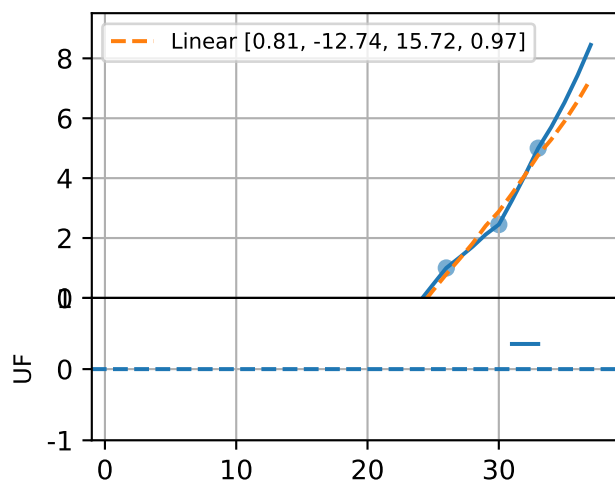
P3-034-5T2



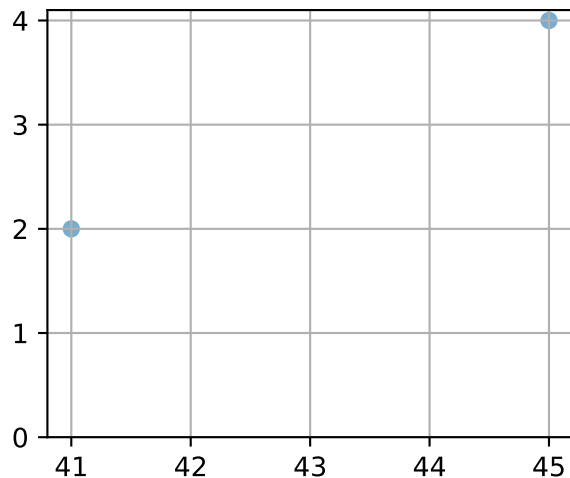
P3-034-5T3 (fit failed)



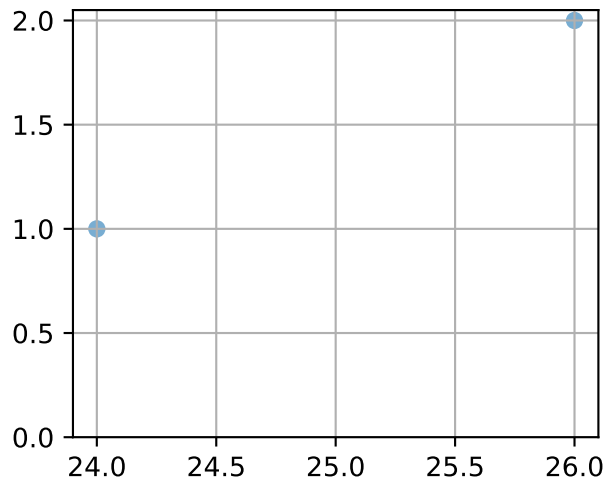
P3-045-17T1



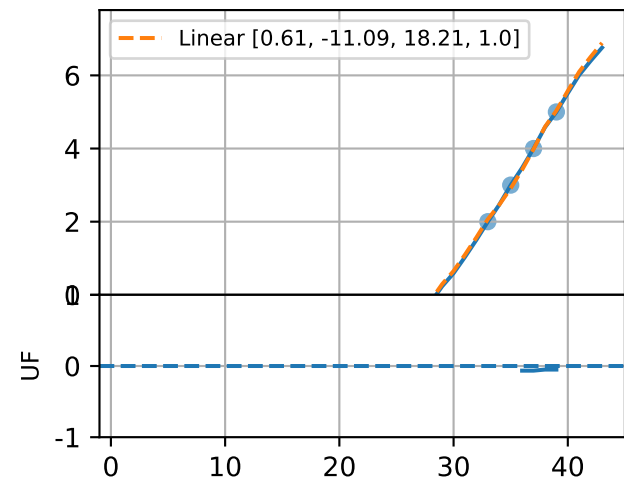
P3-045-17T2 (fit failed)



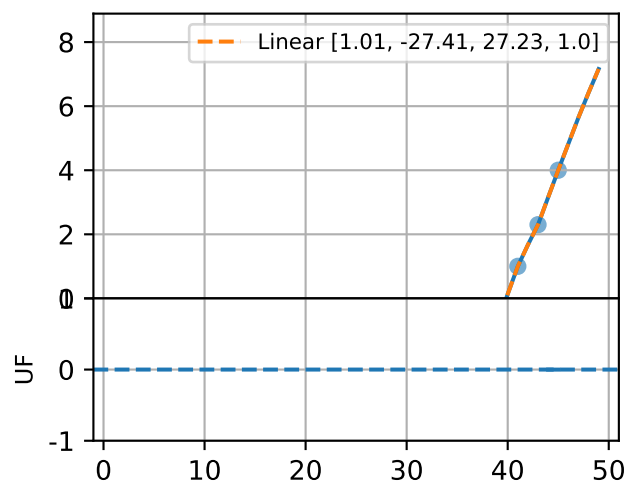
P3-054-28T1 (fit failed)



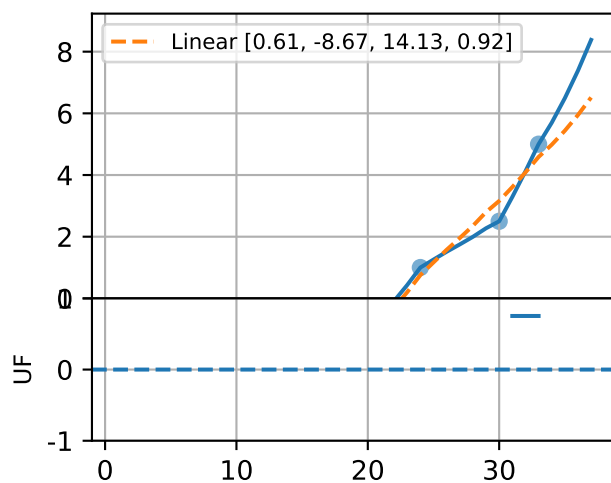
P3-054-28T2



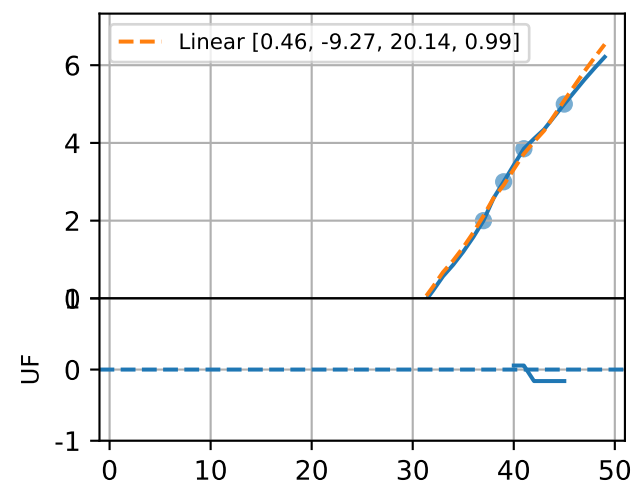
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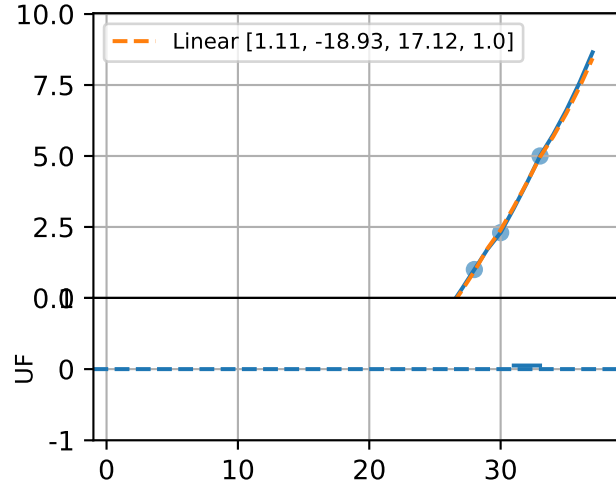
P3-068-4T1



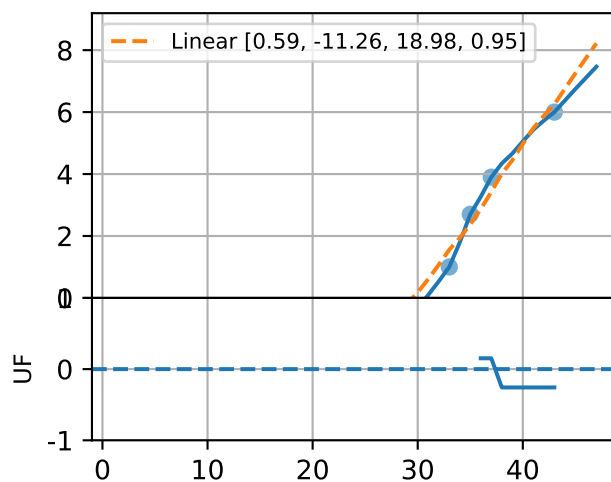
P3-068-4T2



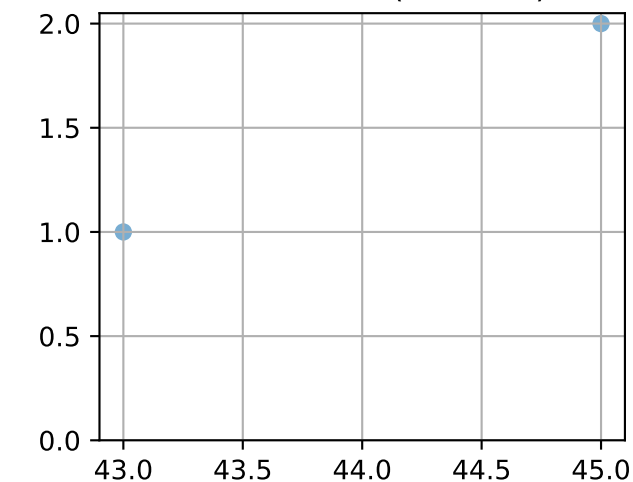
P3-075-19T1



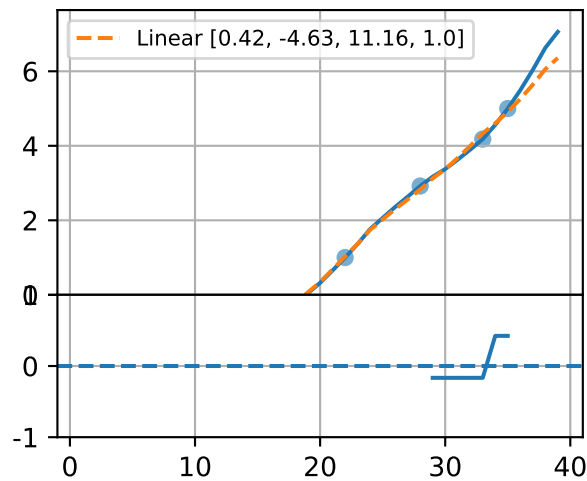
P3-075-19T2



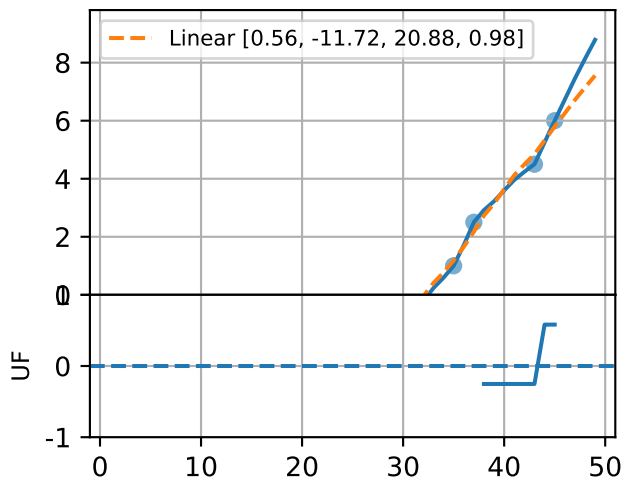
P3-075-19T3 (fit failed)



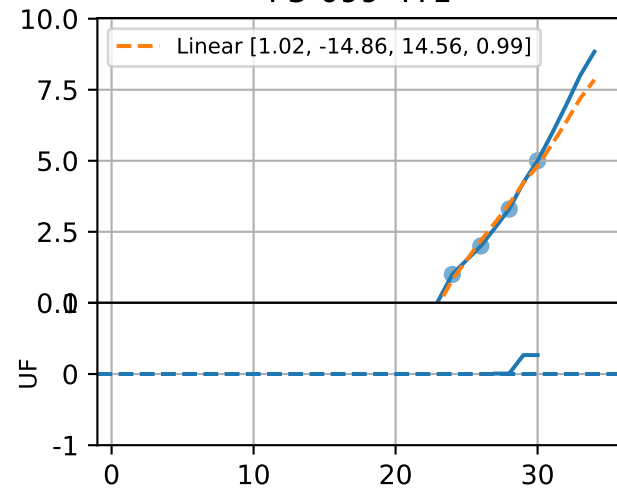
P3-084-11T1



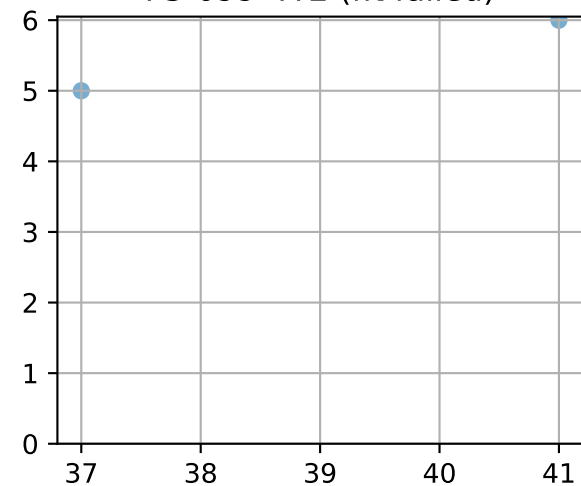
P3-084-11T2



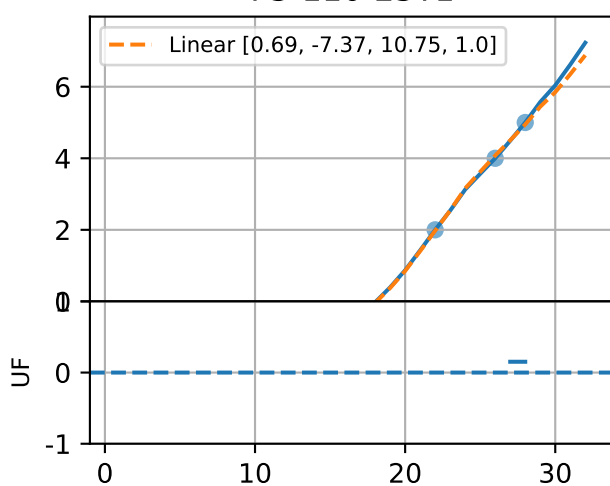
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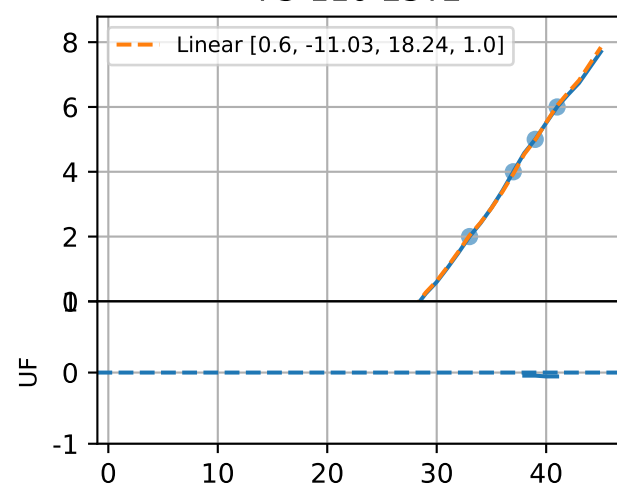
P3-099-4T2 (fit failed)



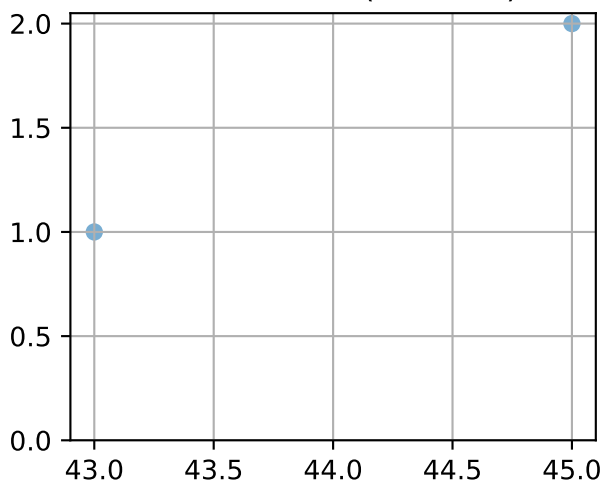
P3-110-23T1



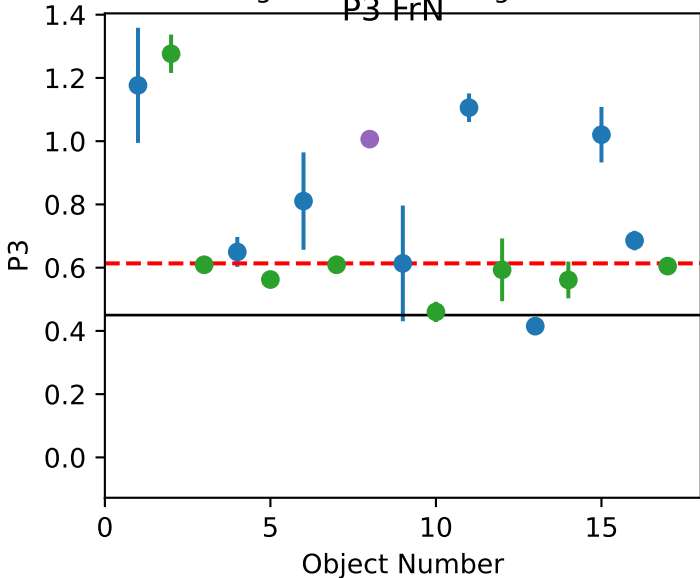
P3-110-23T2



P3-110-23T3 (fit failed)

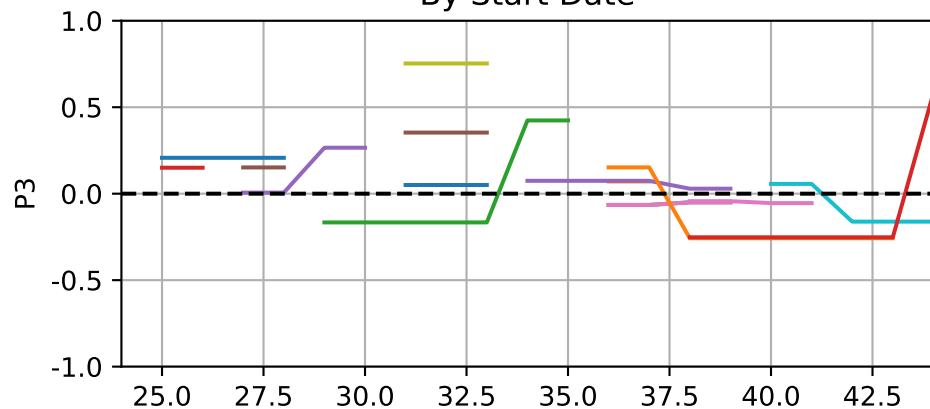


a (Def=0.45 Set=0.61)
avg1=0.61~43% avg2=na
P3 FrN

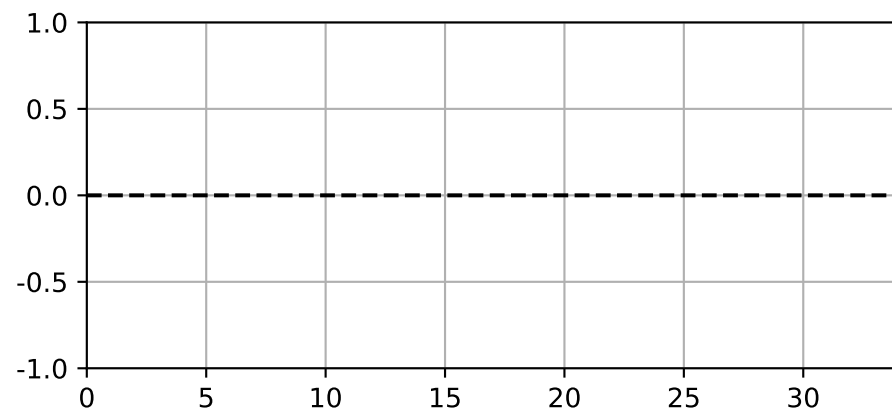
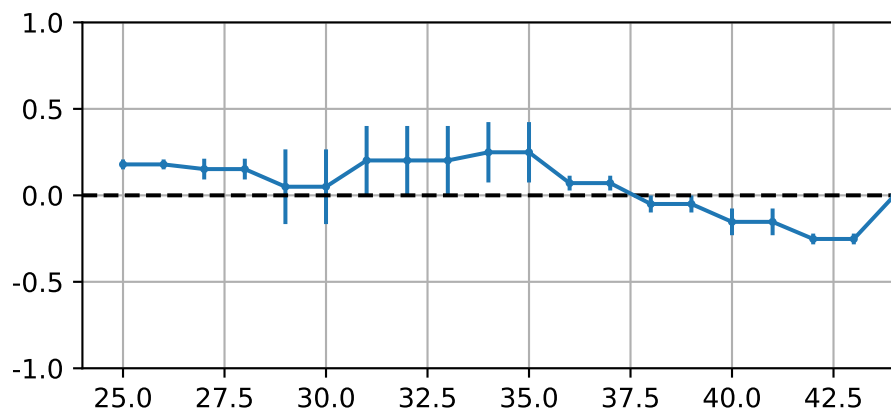
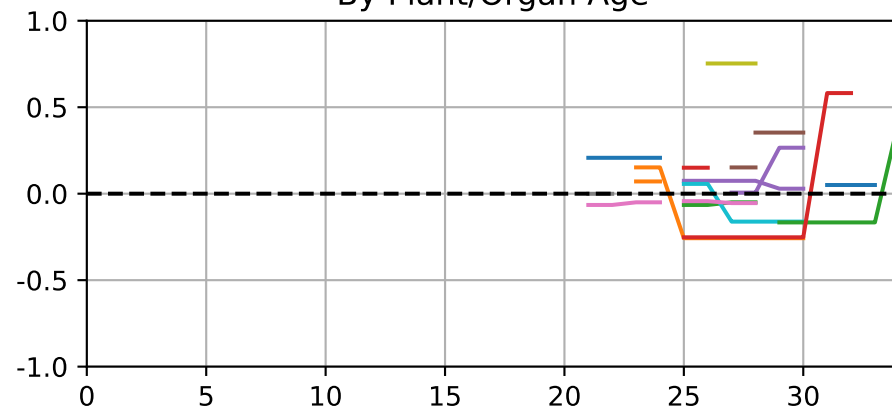


FrN

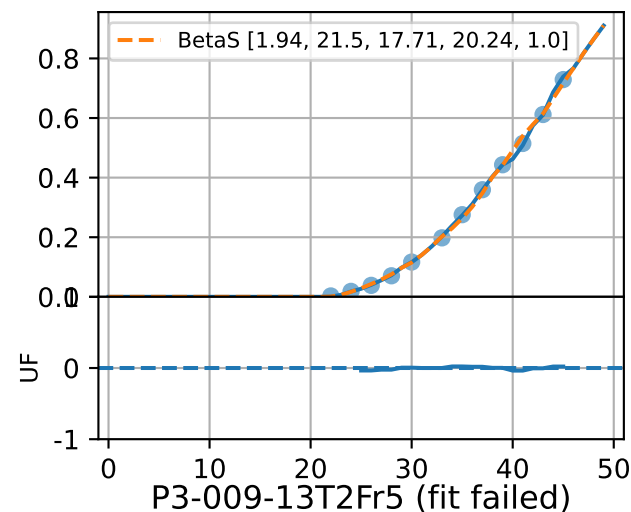
By Start Date



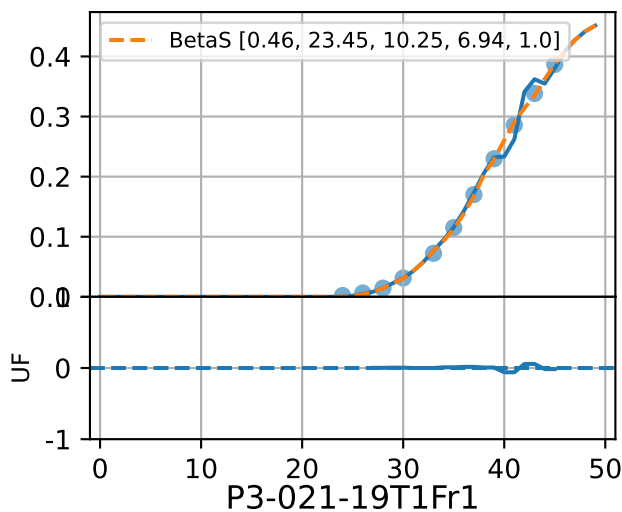
By Plant/Organ Age



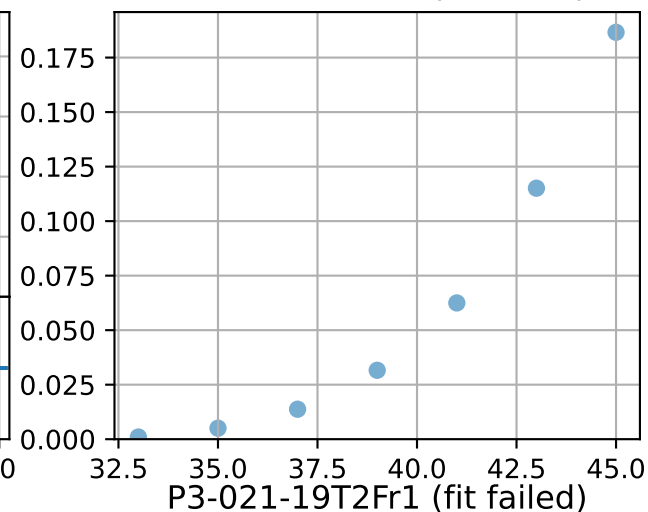
P3-009-13T1Fr1



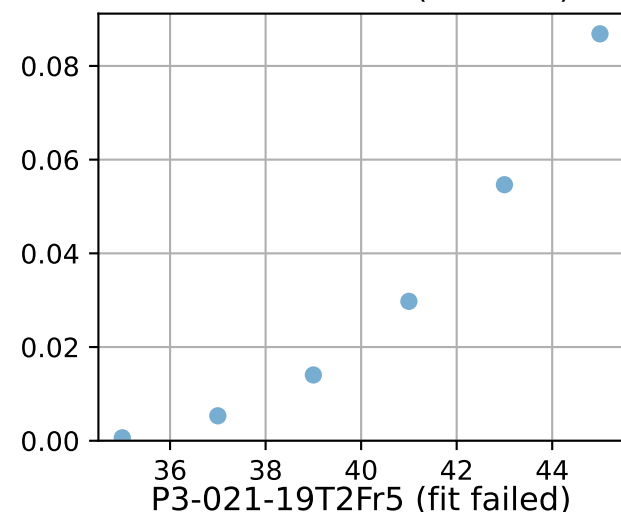
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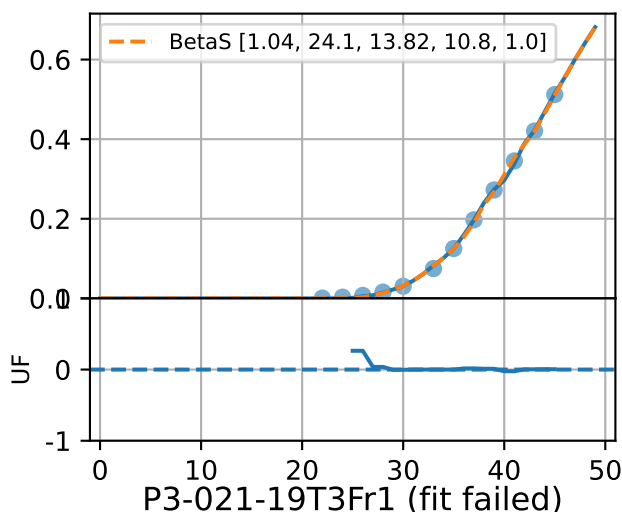
P3-009-13T2Fr1 (fit failed)



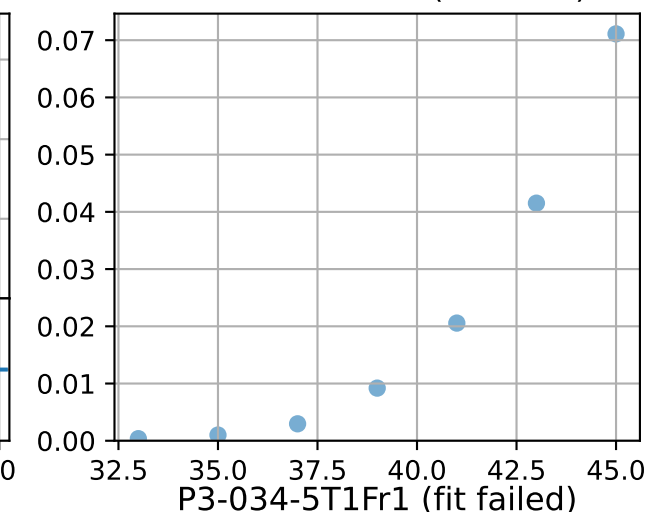
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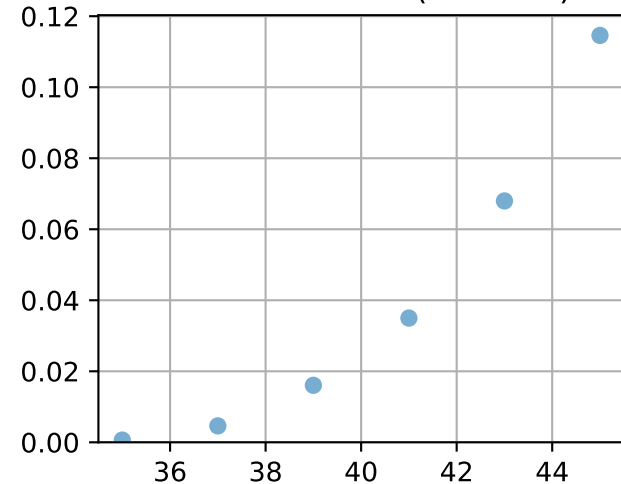
P3-021-19T1Fr1



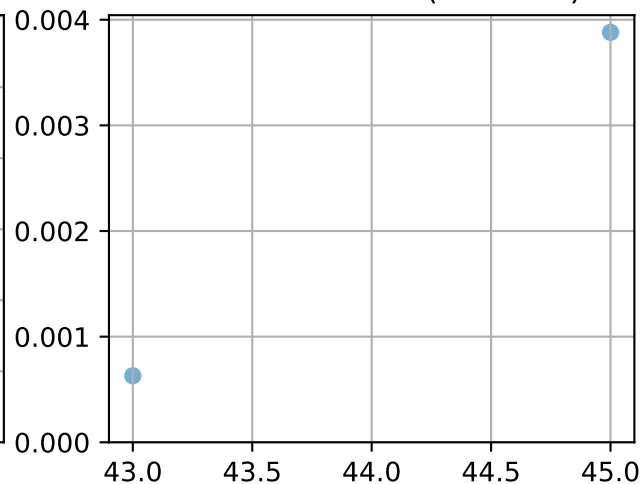
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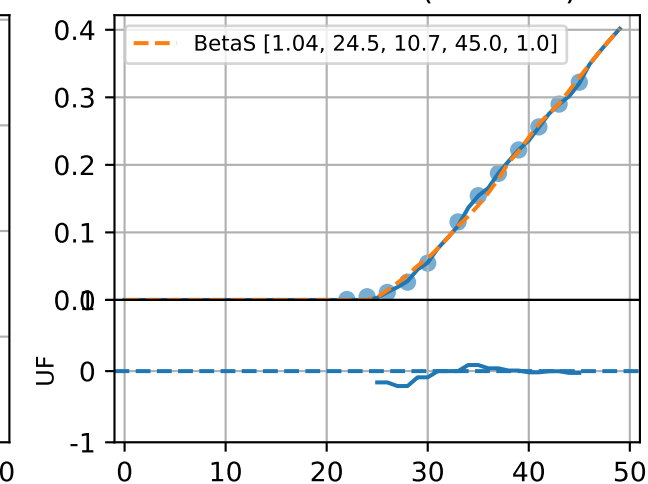
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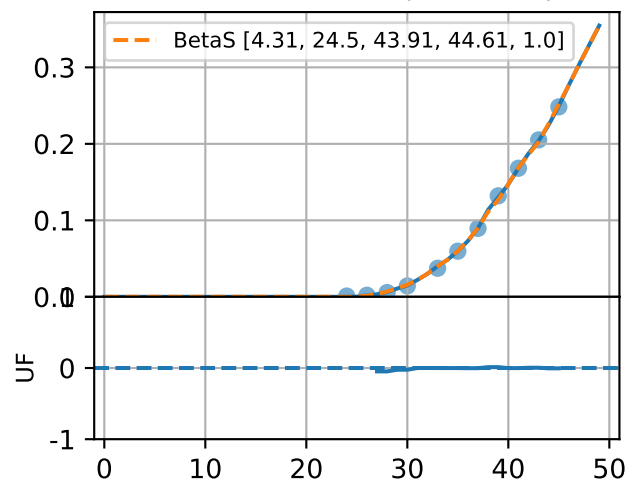
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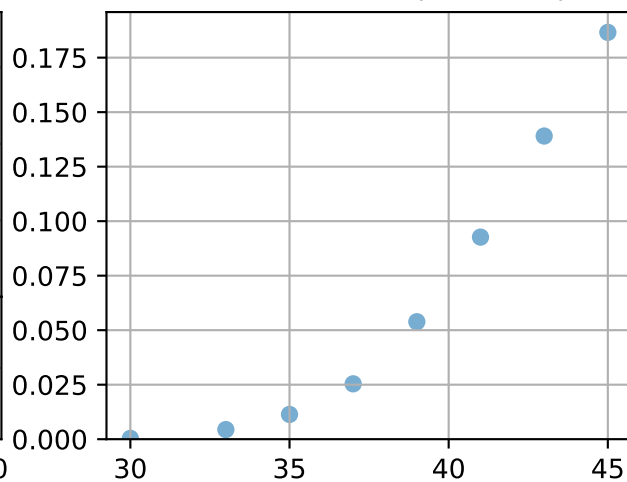
P3-034-5T1Fr1 (fit failed)



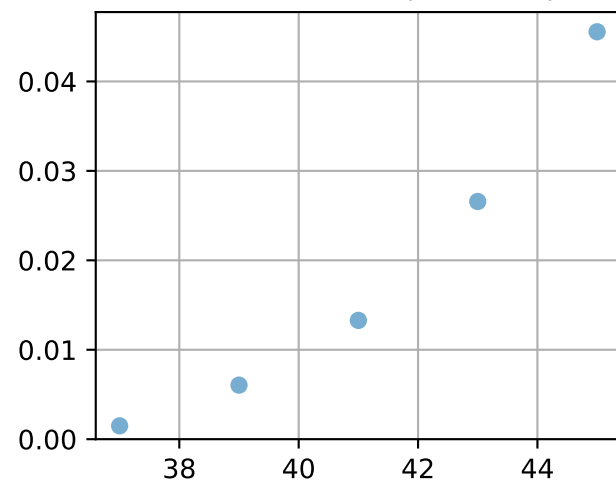
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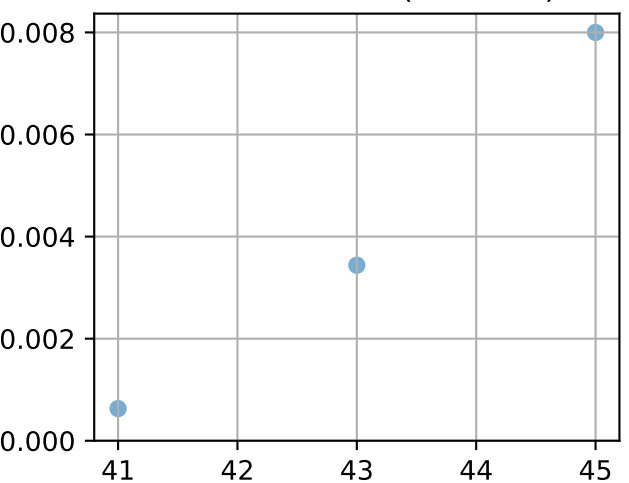
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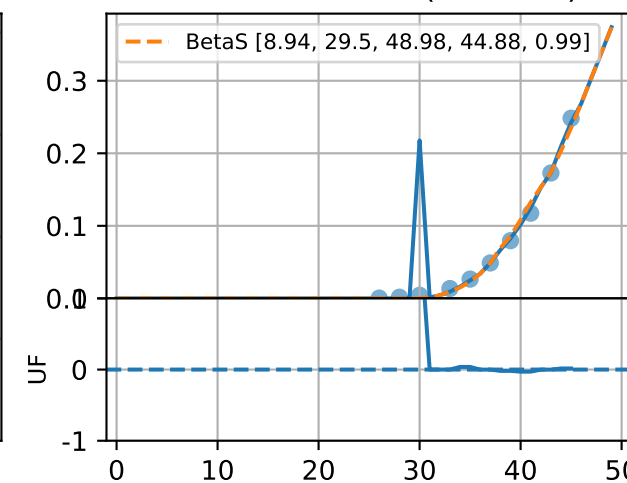
P3-034-5T2Fr5 (fit failed)



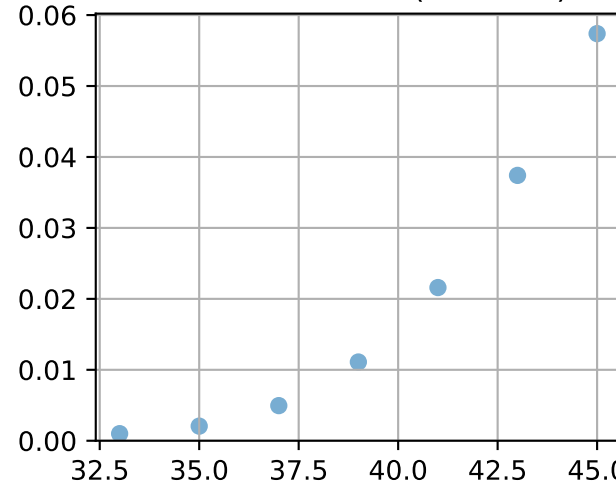
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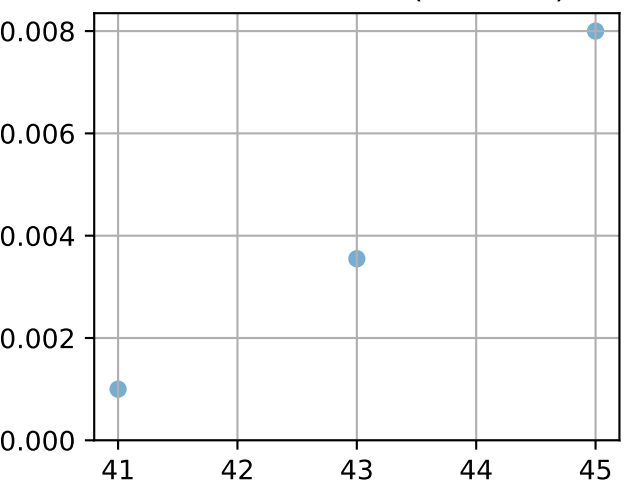
P3-045-17T1Fr1 (fit failed)



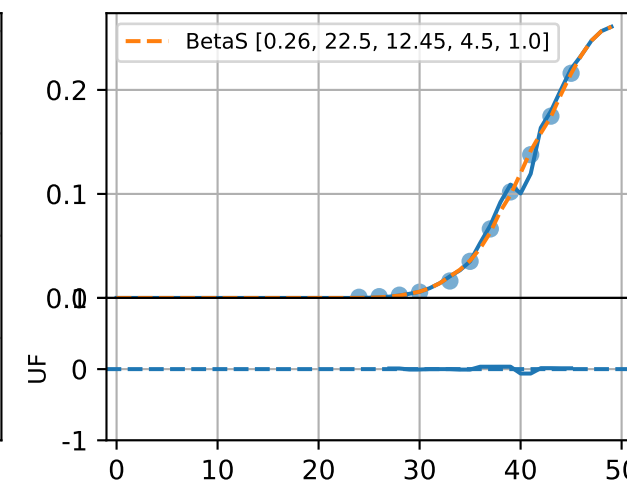
P3-045-17T1Fr5 (fit failed)



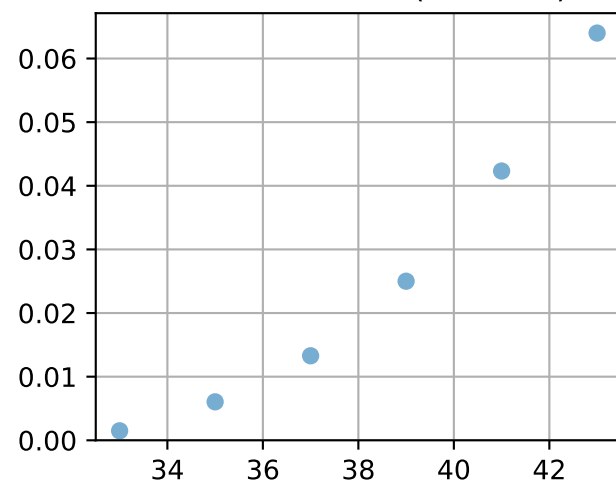
P3-045-17T2Fr1 (fit failed)



P3-054-28T1Fr1

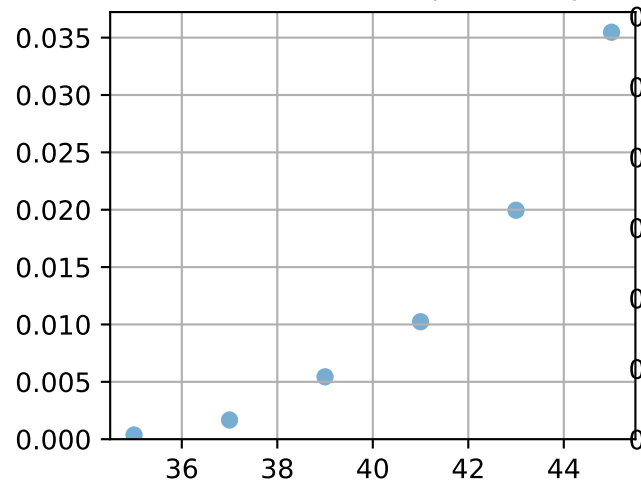


P3-054-28T2Fr1 (fit failed)

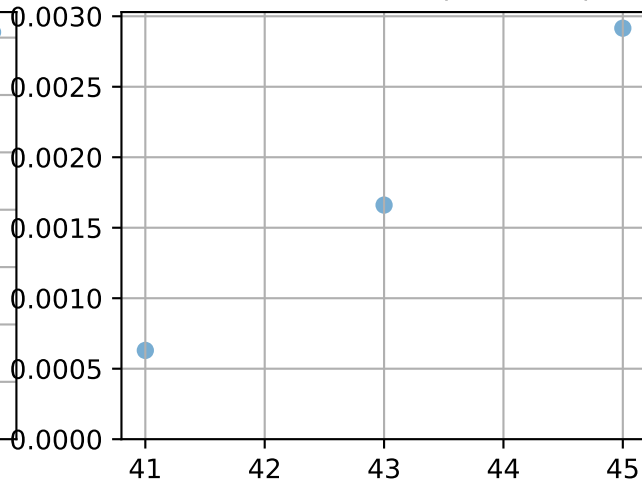


FrV

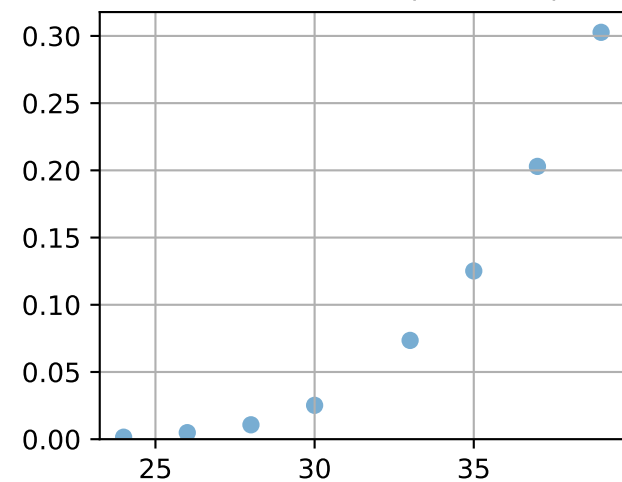
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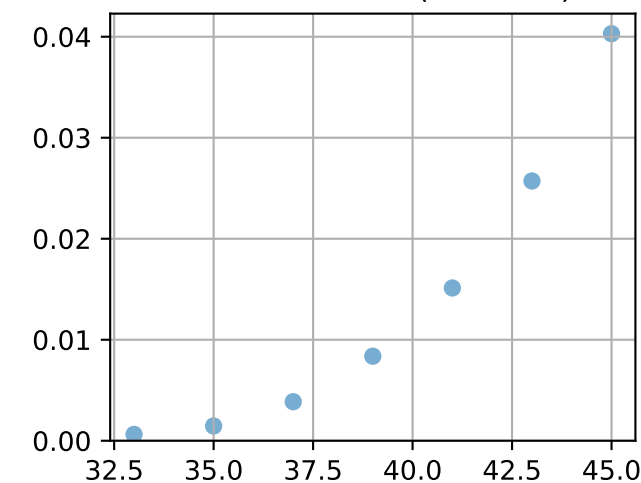
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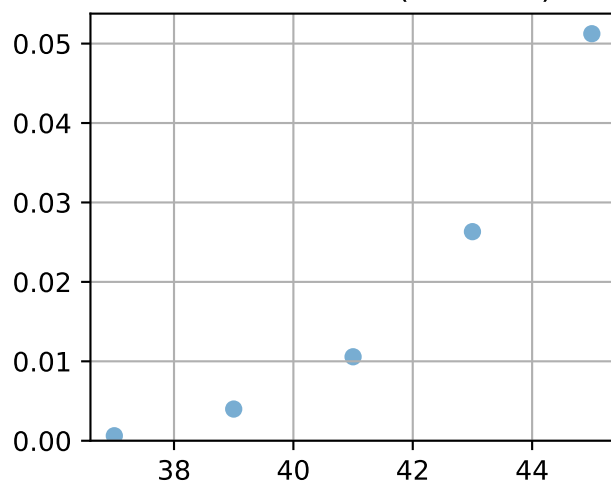
P3-068-4T1Fr1 (fit failed)



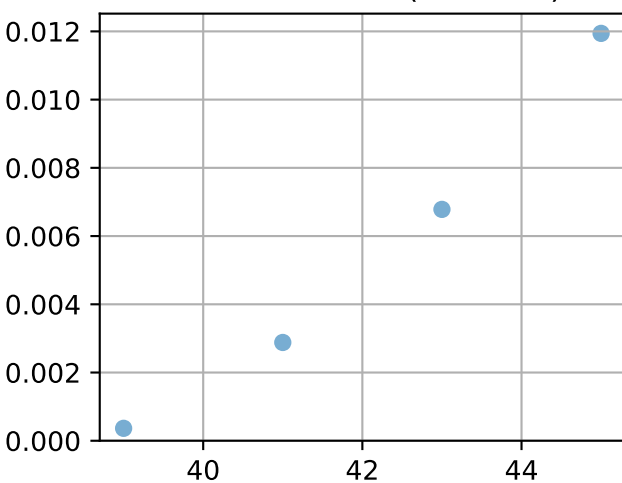
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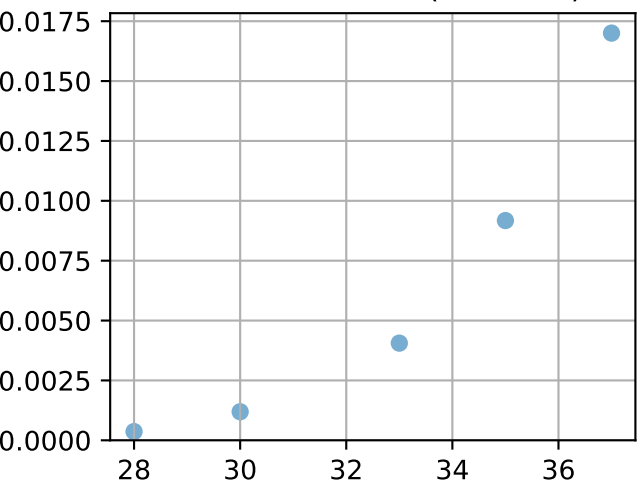
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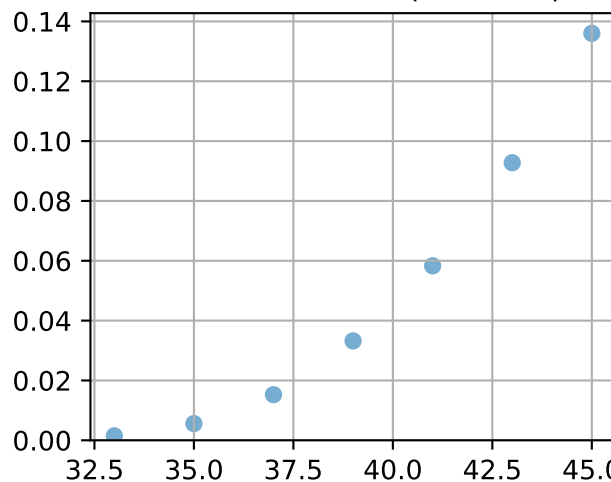
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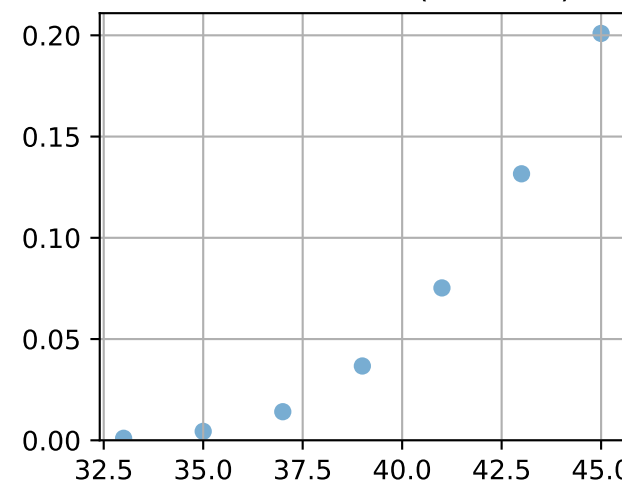
P3-075-19T1Fr1 (fit failed)



P3-075-19T1Fr5 (fit failed)

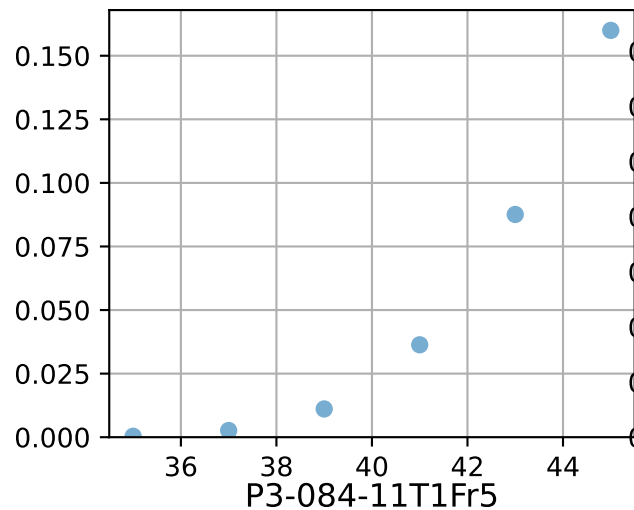


P3-075-19T2Fr1 (fit failed)

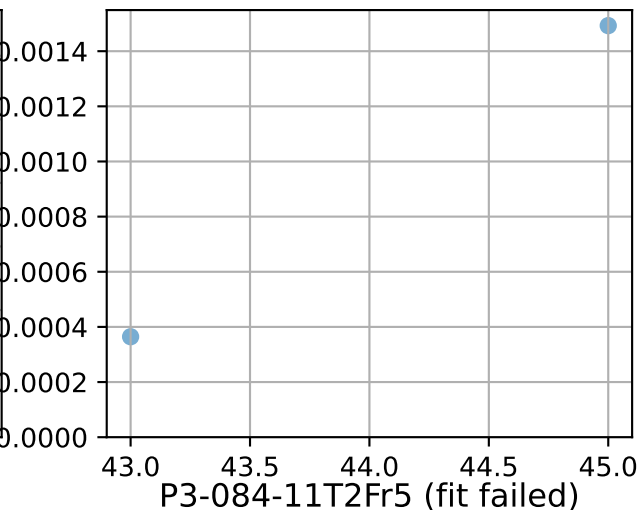


FrV

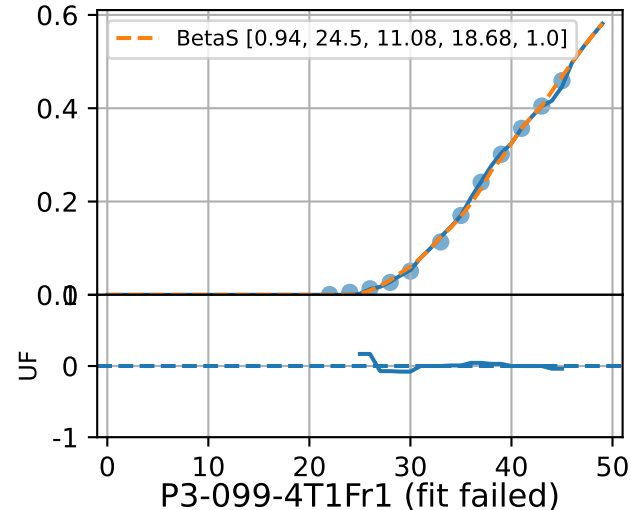
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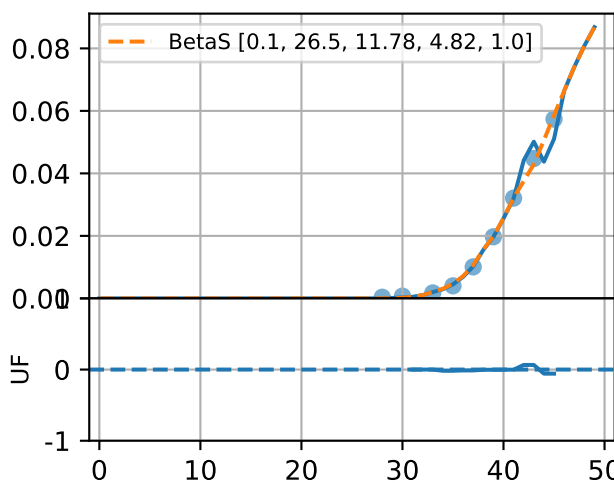
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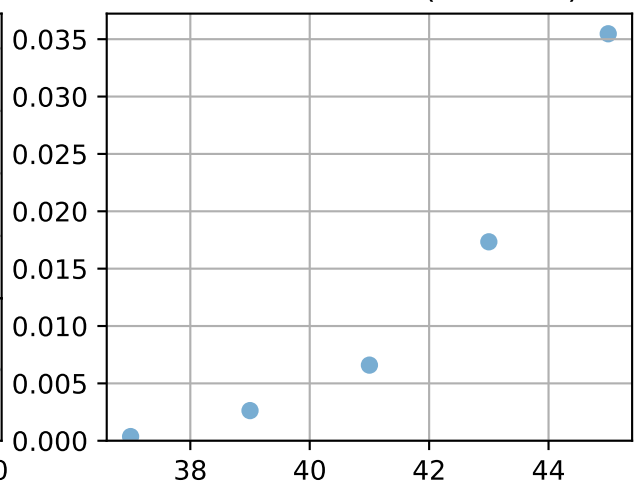
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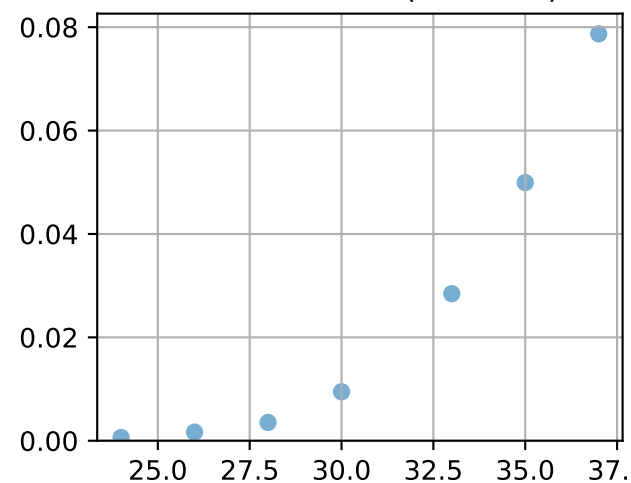
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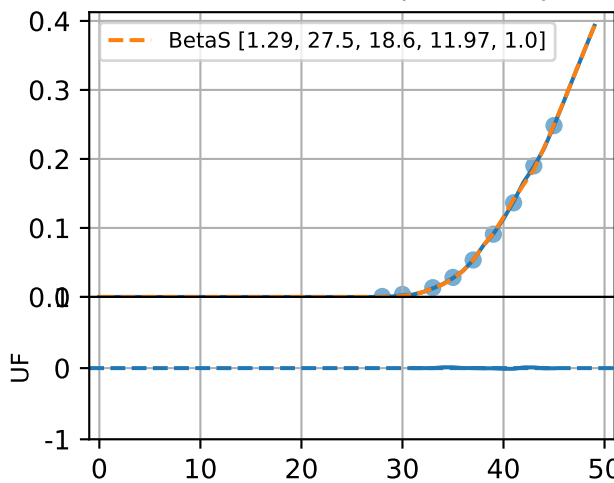
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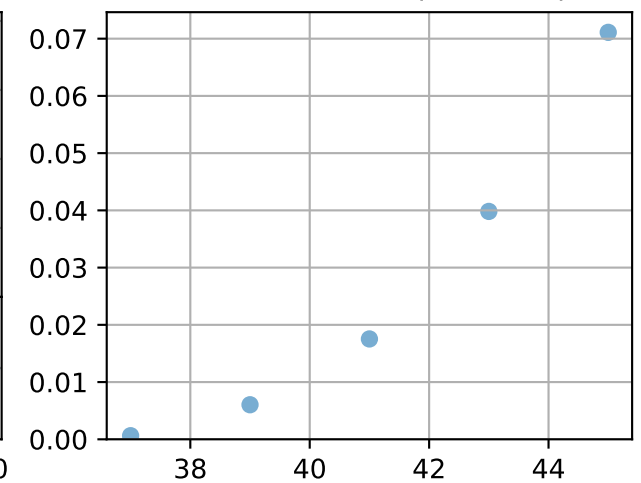
P3-099-4T1Fr1 (fit failed)



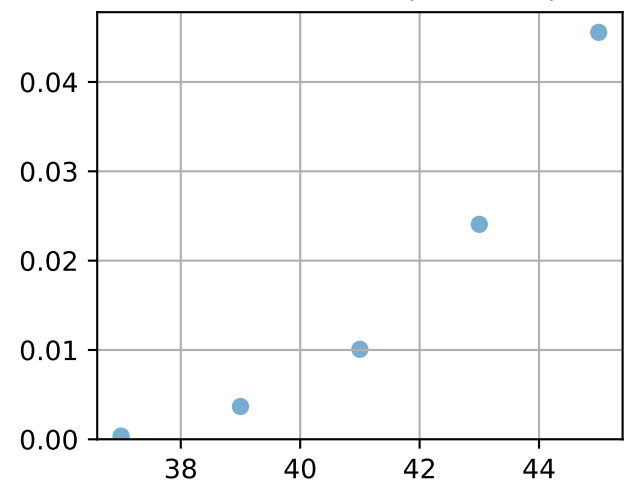
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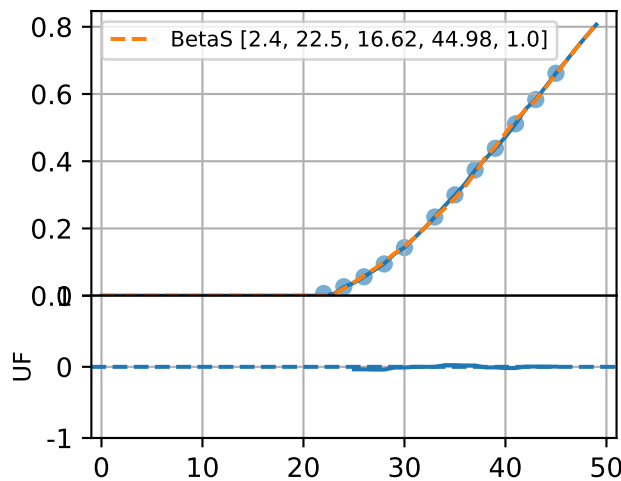
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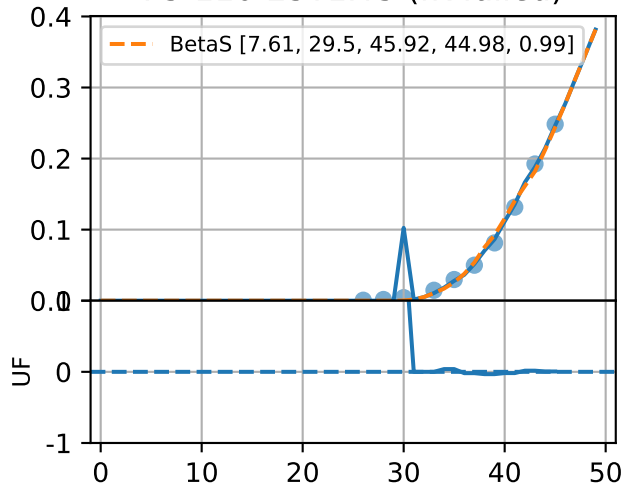
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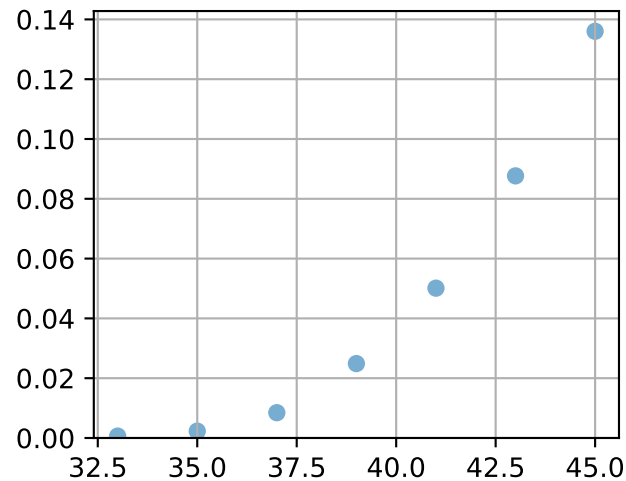
P3-110-23T1Fr1



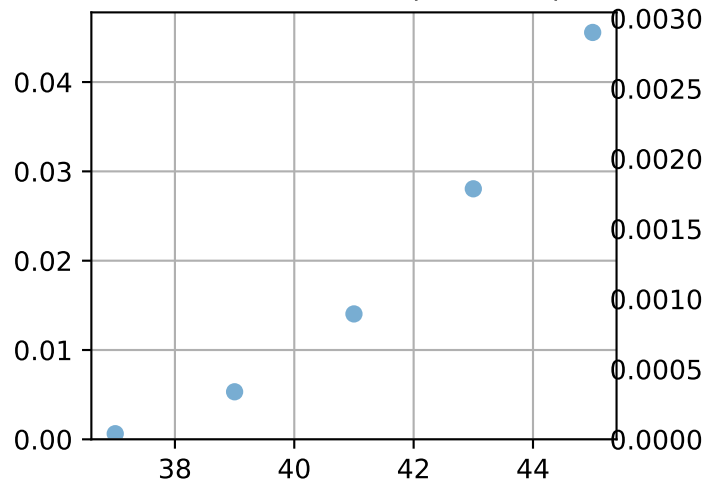
P3-110-23T1Fr5 (fit failed)



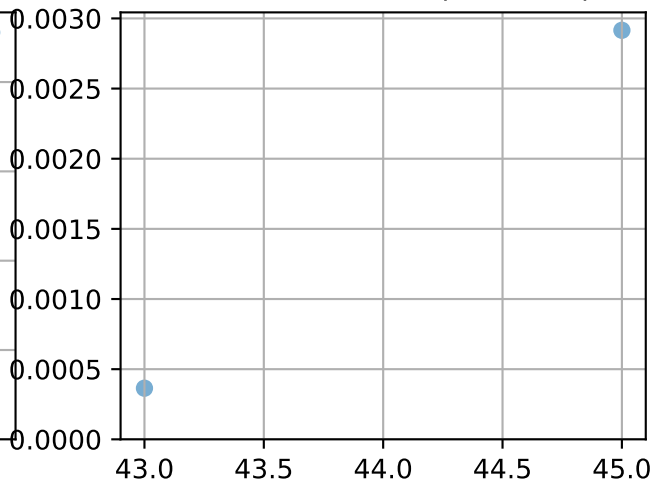
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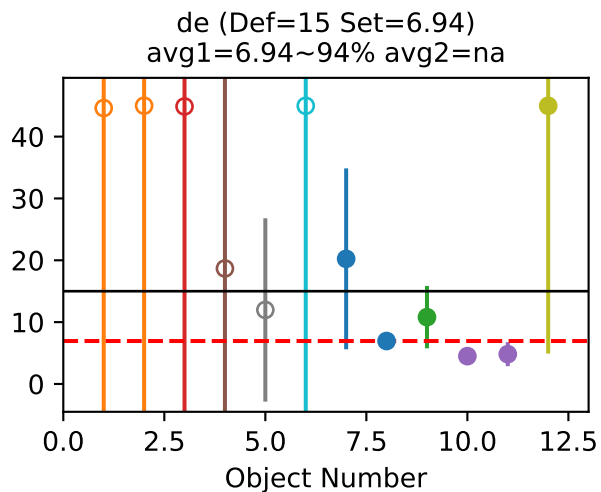
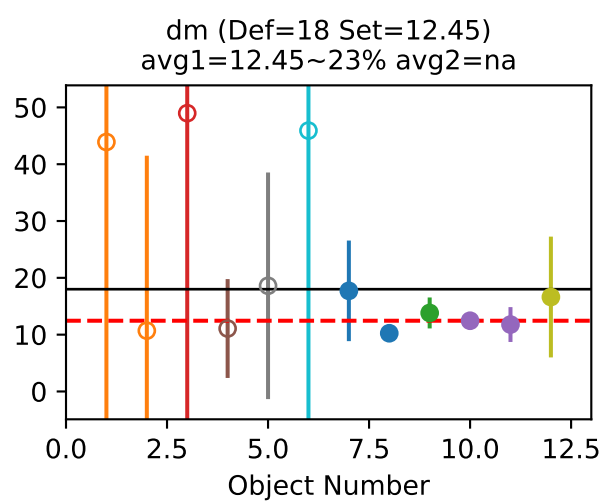
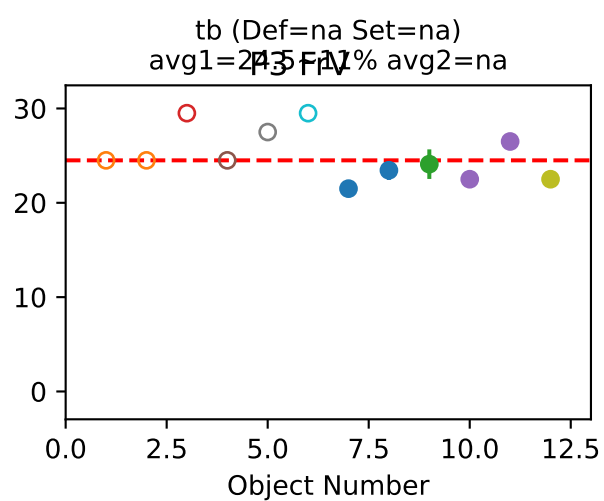
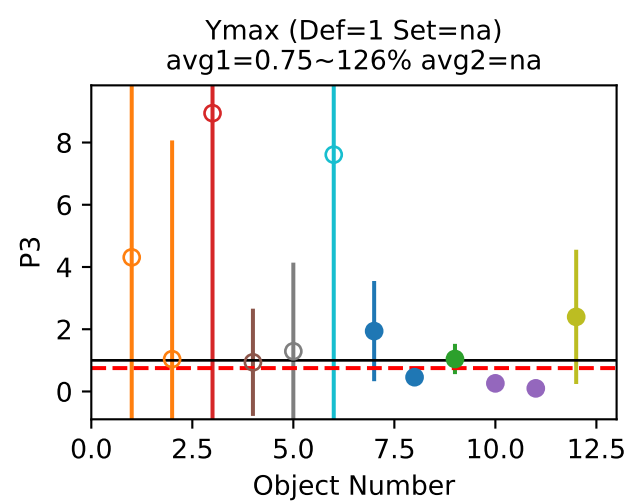


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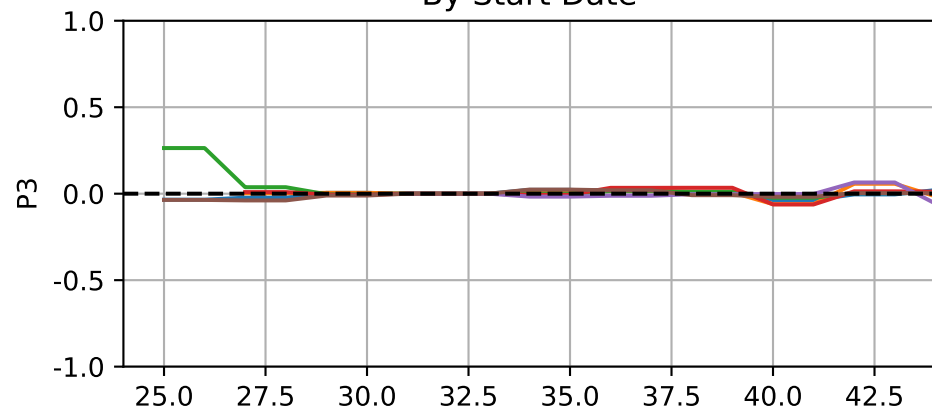


P3-110-23T3Fr1 (fit failed)

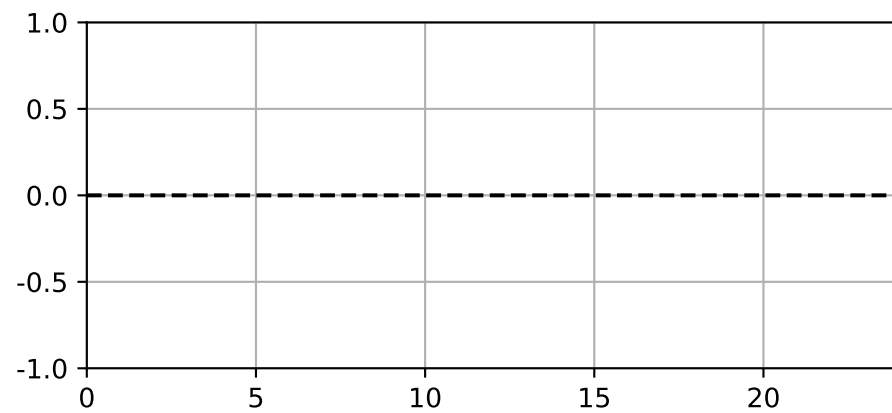
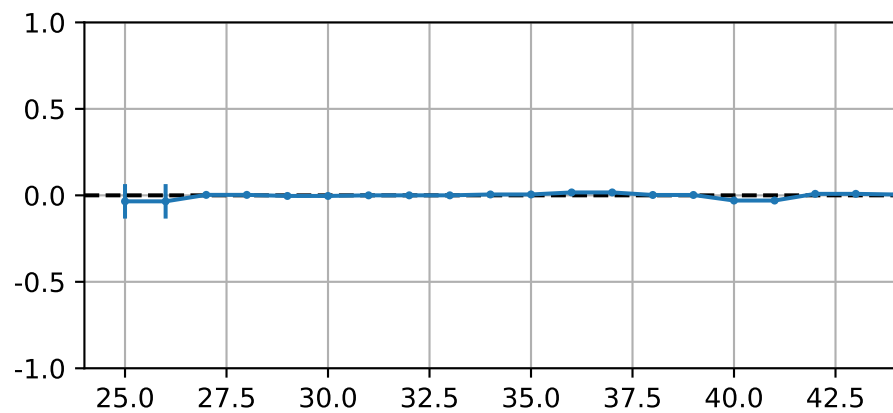
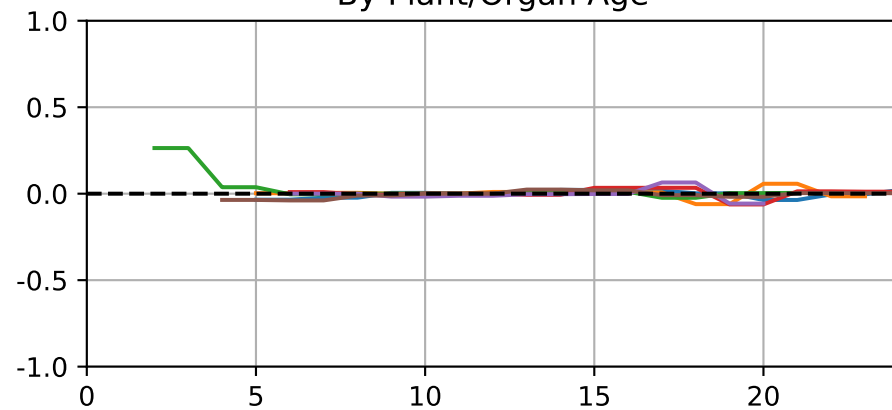




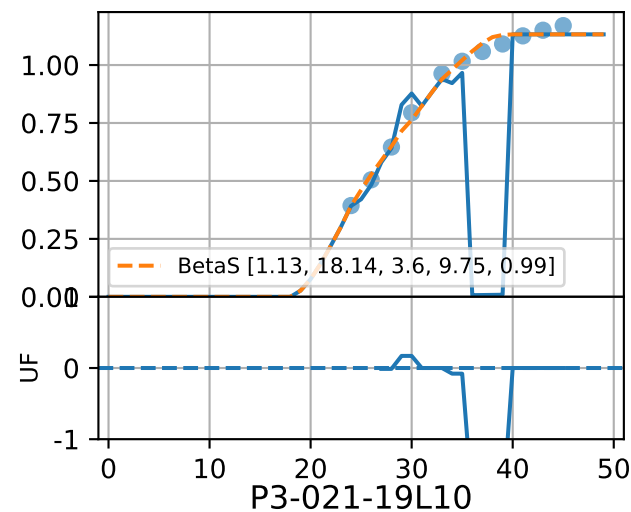
By Start Date



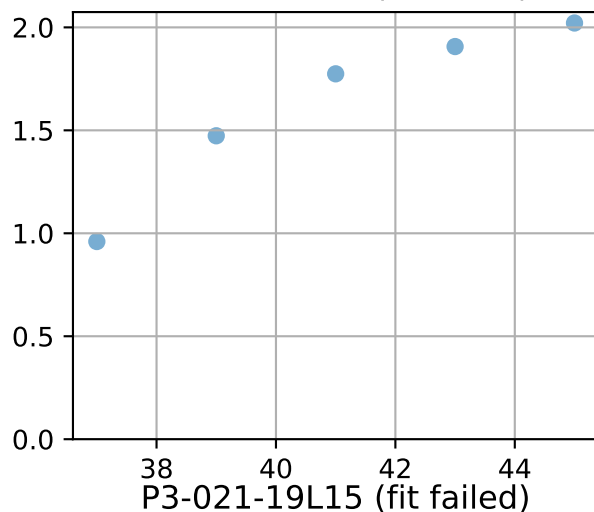
By Plant/Organ Age



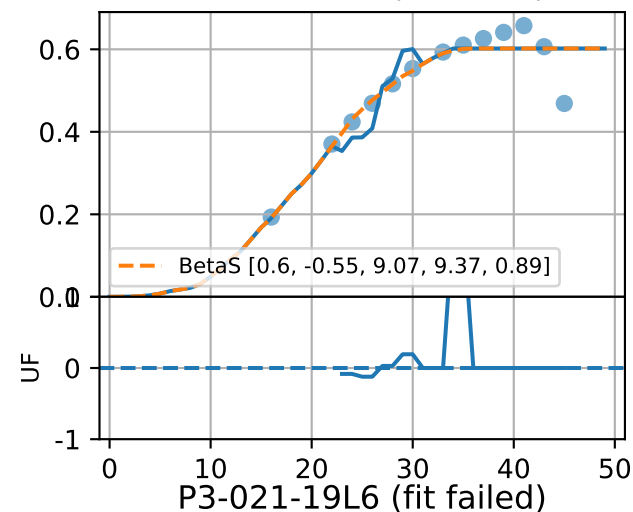
P3-009-13L10



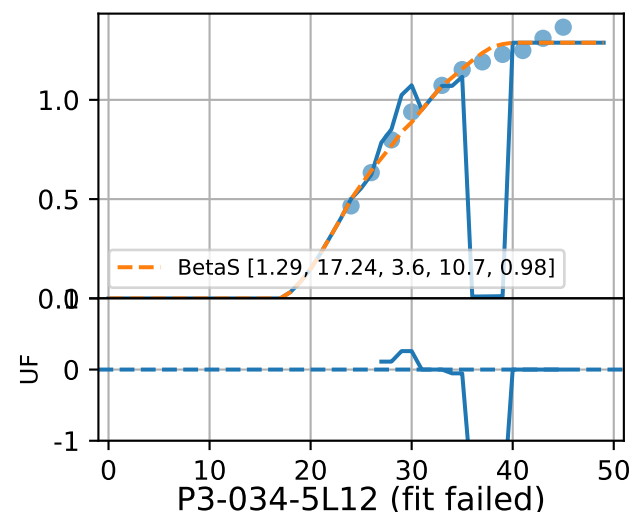
P3-009-13L15 (fit failed)



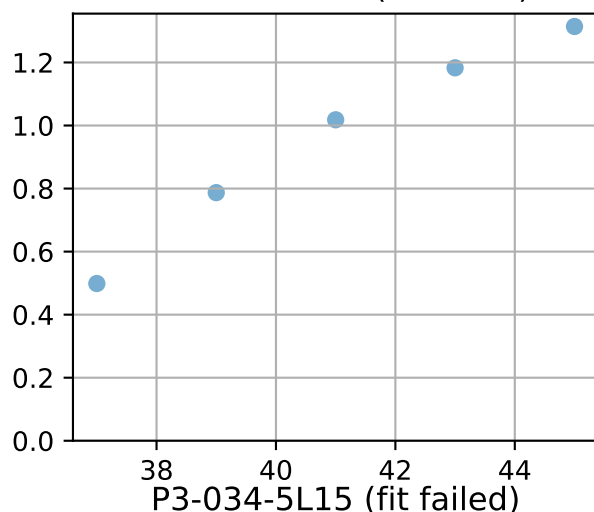
P3-009-13L7 (fit failed)



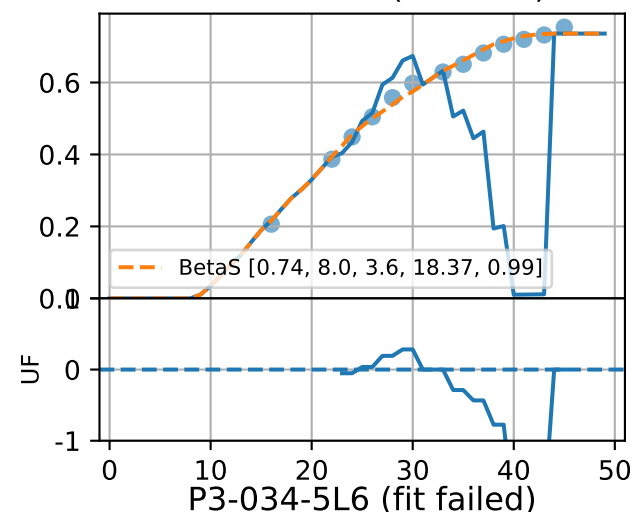
P3-021-19L10



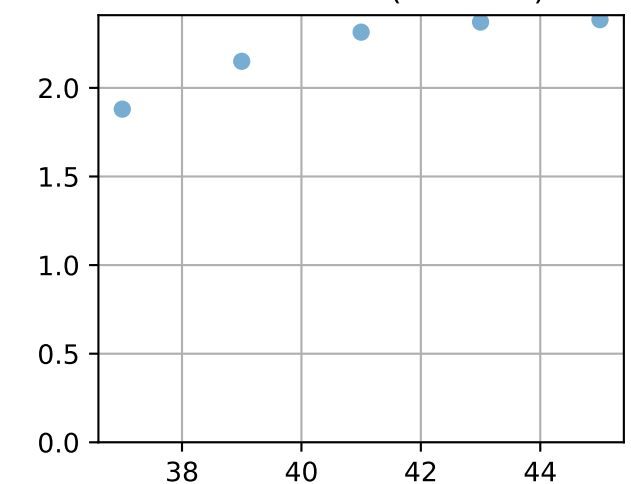
P3-021-19L15 (fit failed)



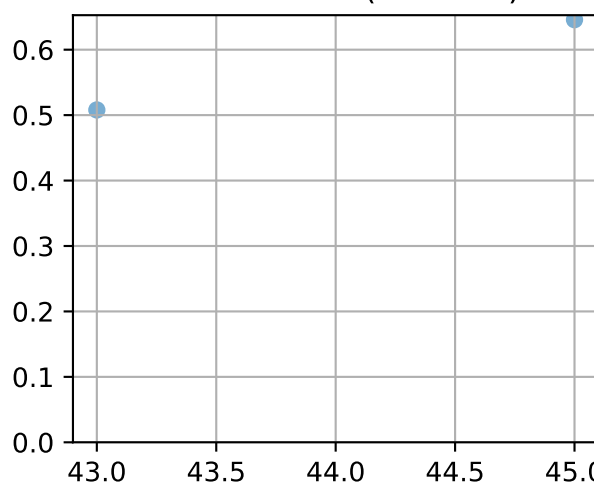
P3-021-19L6 (fit failed)



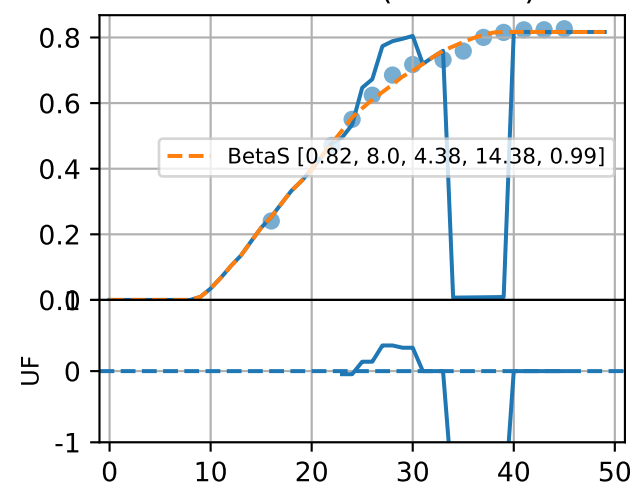
P3-034-5L12 (fit failed)



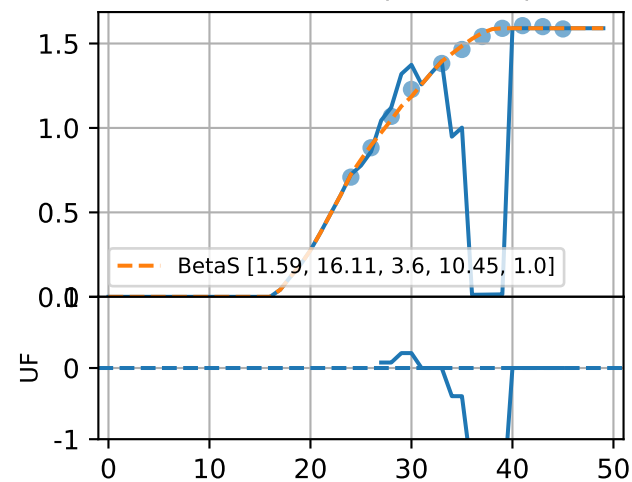
P3-034-5L15 (fit failed)



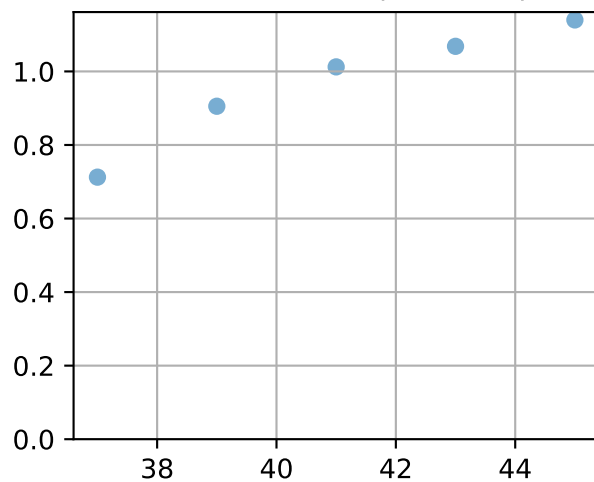
P3-034-5L6 (fit failed)



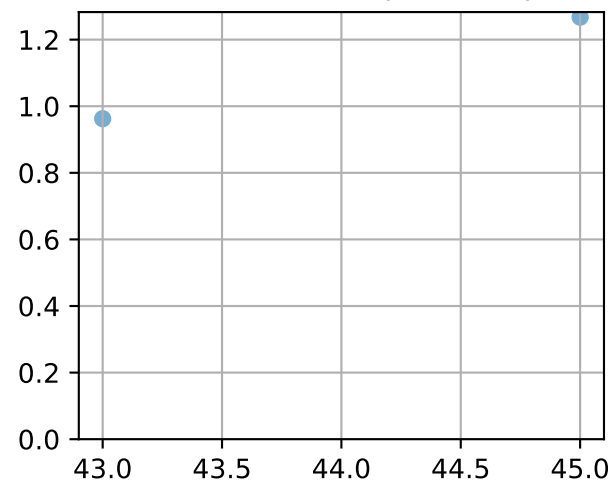
P3-034-5L9 (fit failed)



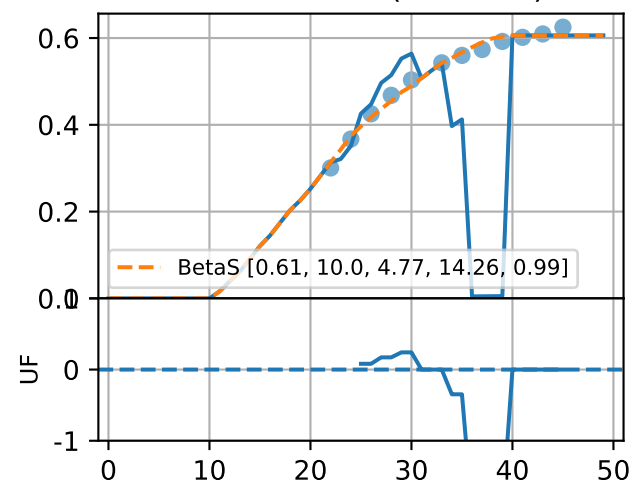
P3-045-17L12 (fit failed)



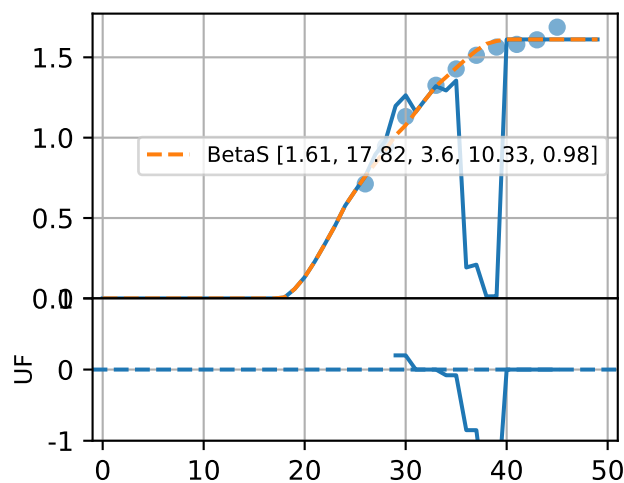
P3-045-17L15 (fit failed)



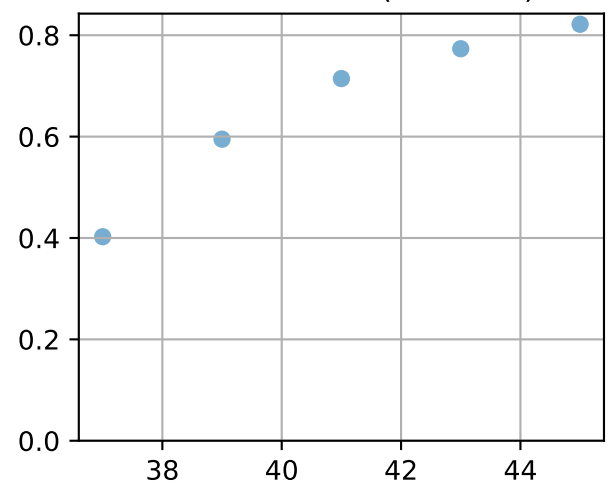
P3-045-17L6 (fit failed)



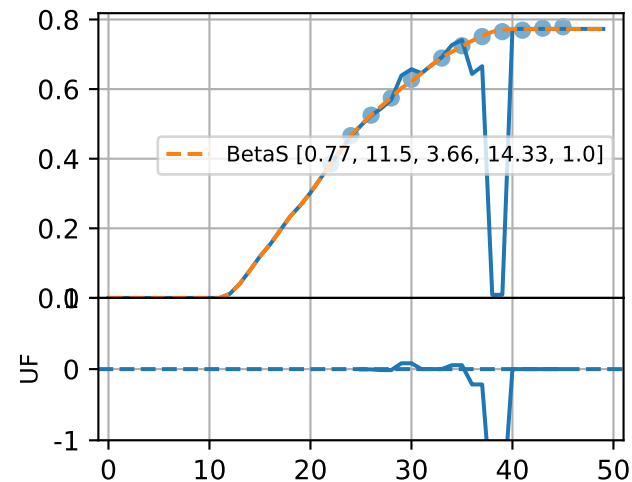
P3-054-28L10



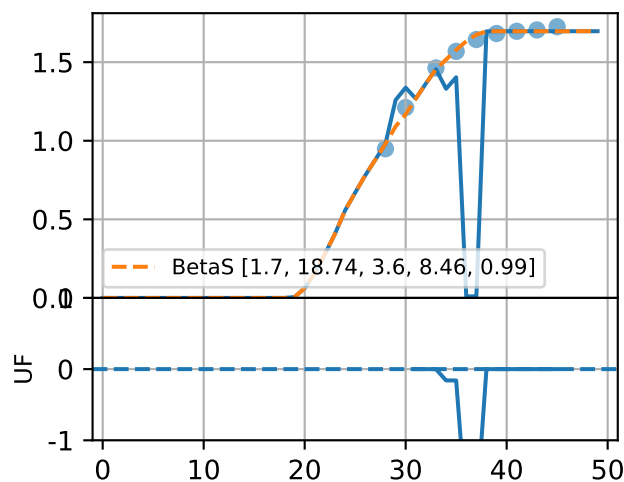
P3-054-28L13 (fit failed)



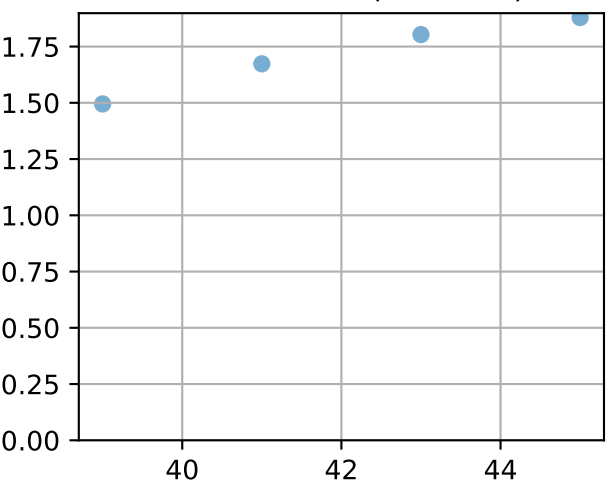
P3-054-28L7



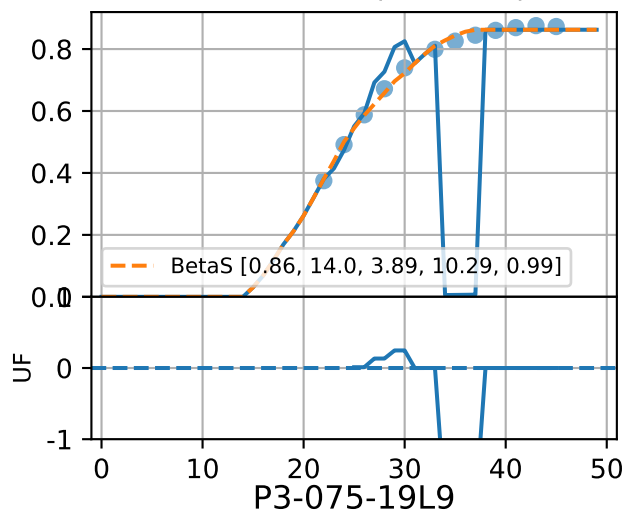
P3-068-4L10



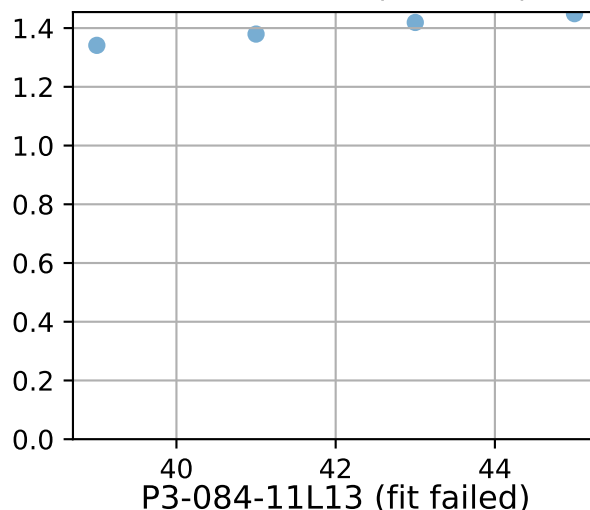
P3-068-4L13 (fit failed)



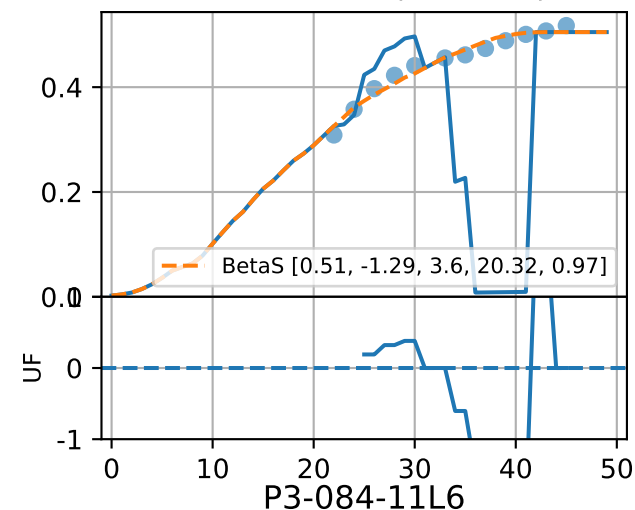
P3-068-4L7 (fit failed)



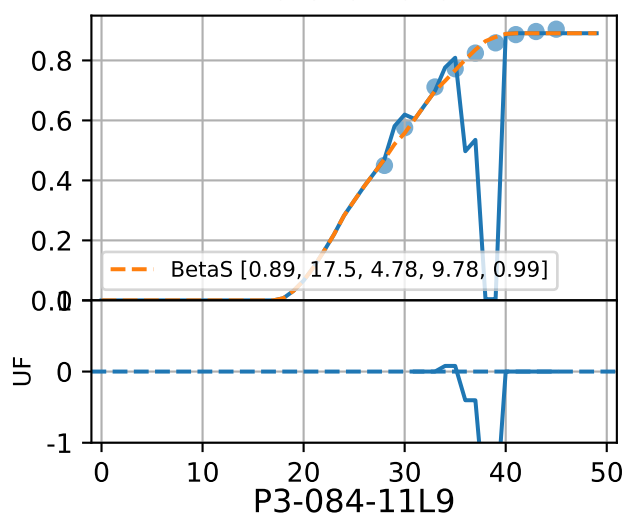
P3-075-19L12 (fit failed)



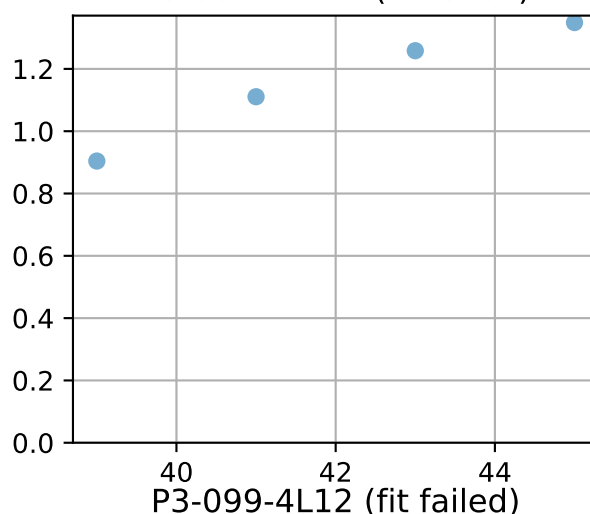
P3-075-19L6 (fit failed)



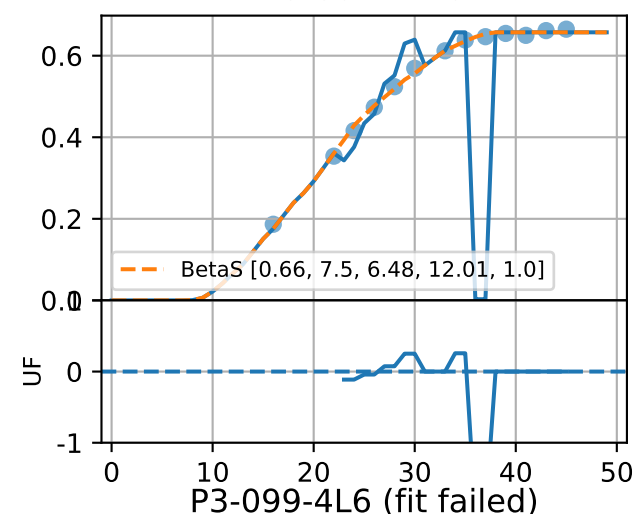
P3-075-19L9



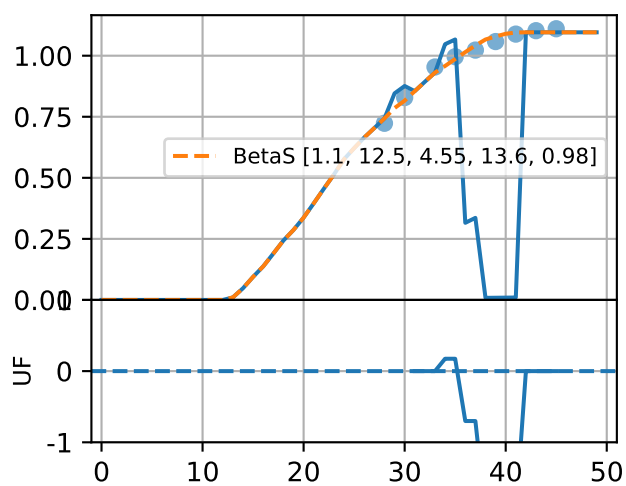
P3-084-11L13 (fit failed)



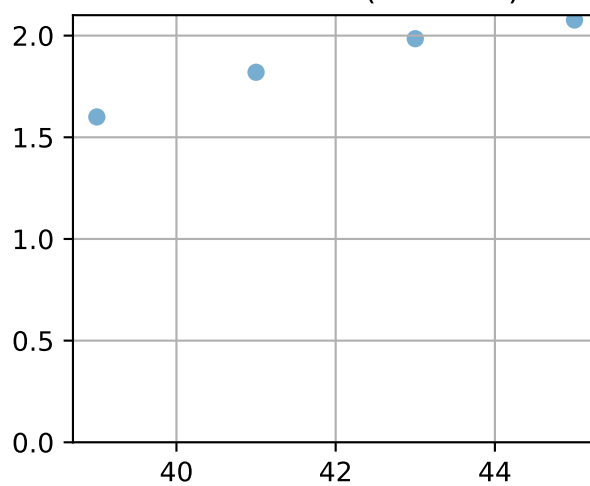
P3-084-11L6



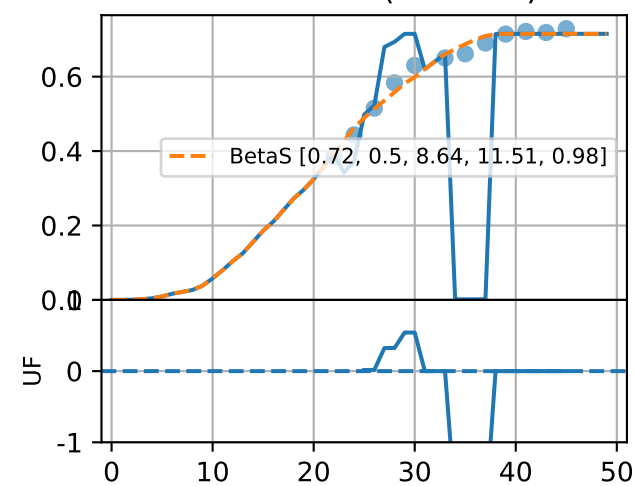
P3-084-11L9



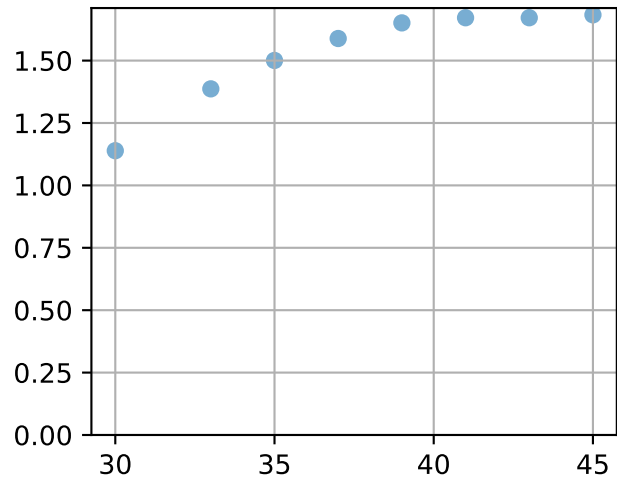
P3-099-4L12 (fit failed)



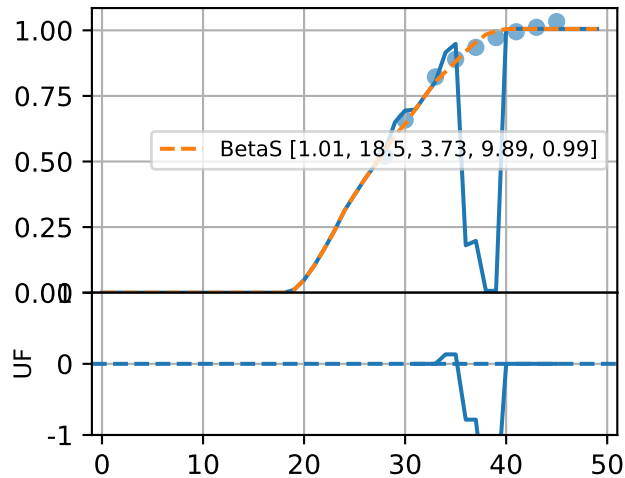
P3-099-4L6 (fit failed)



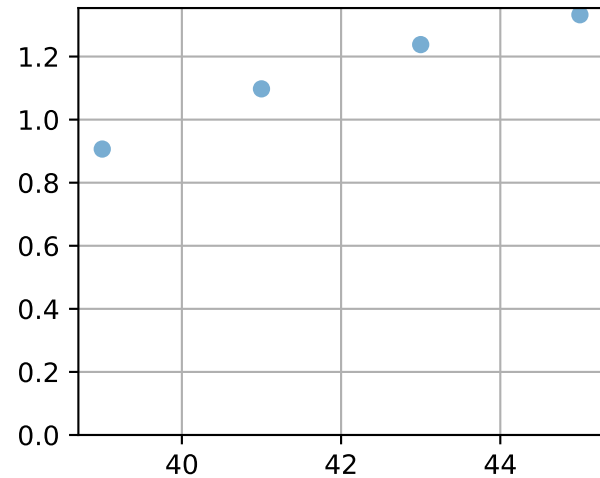
P3-099-4L9 (fit failed)



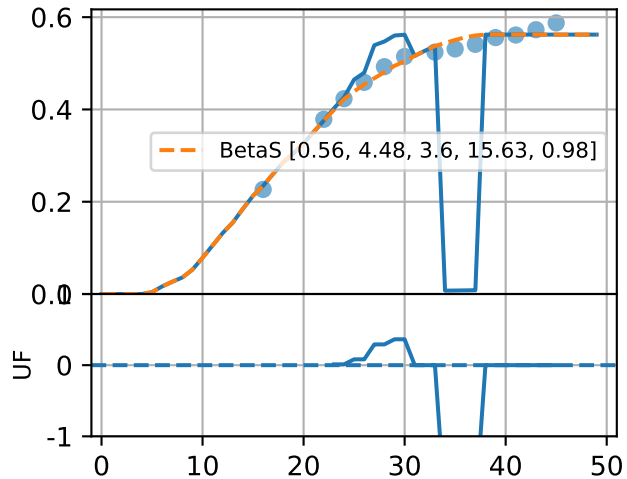
P3-110-23L10

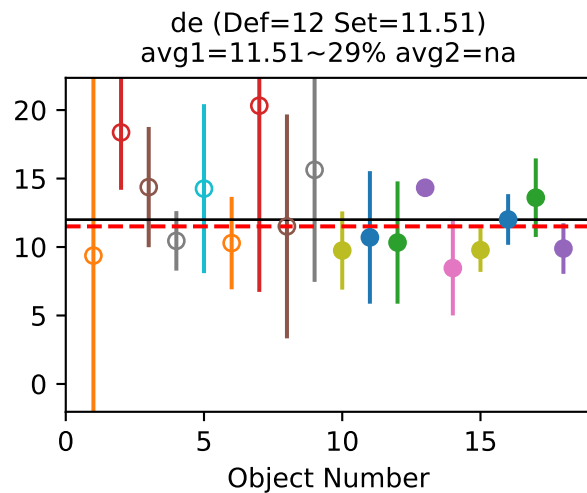
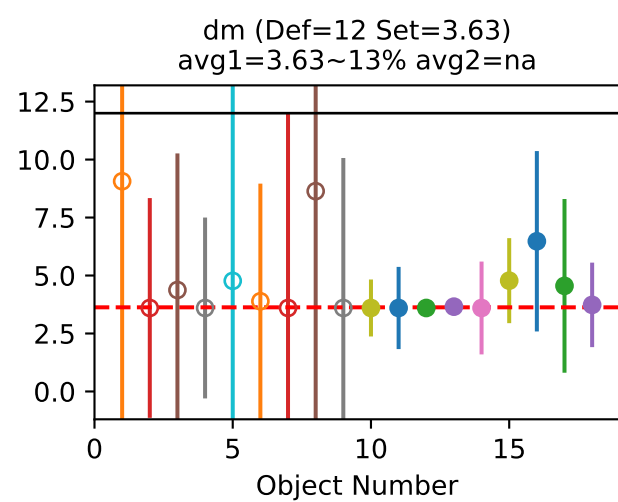
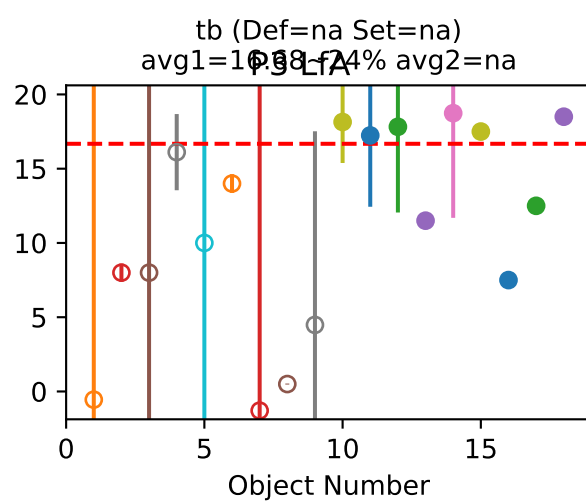
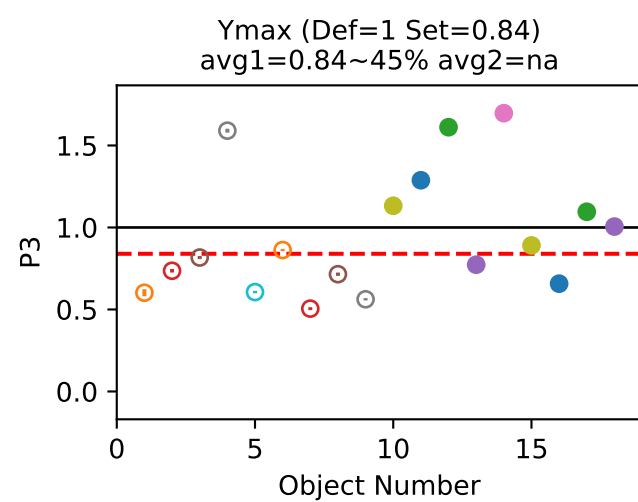


P3-110-23L14 (fit failed)

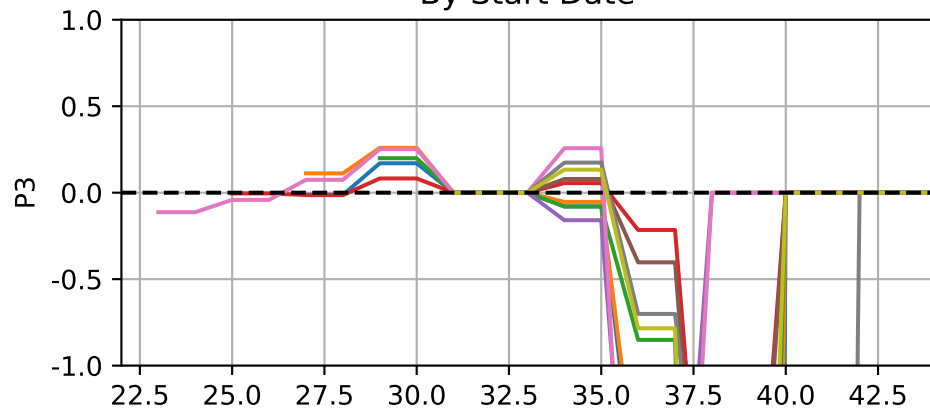


P3-110-23L6 (fit failed)

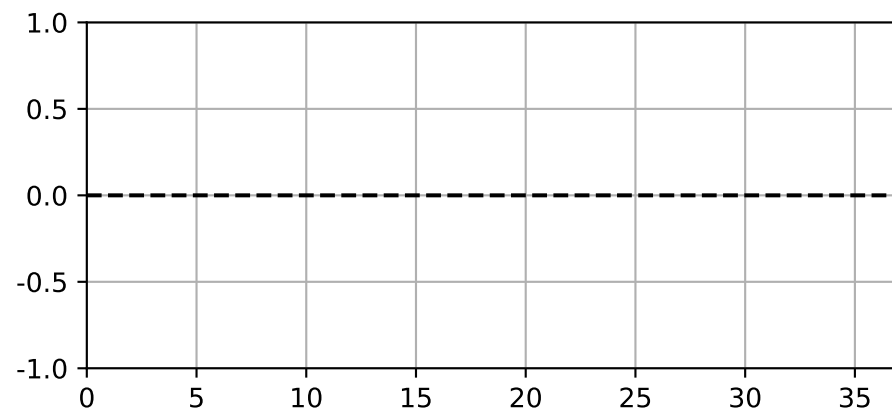
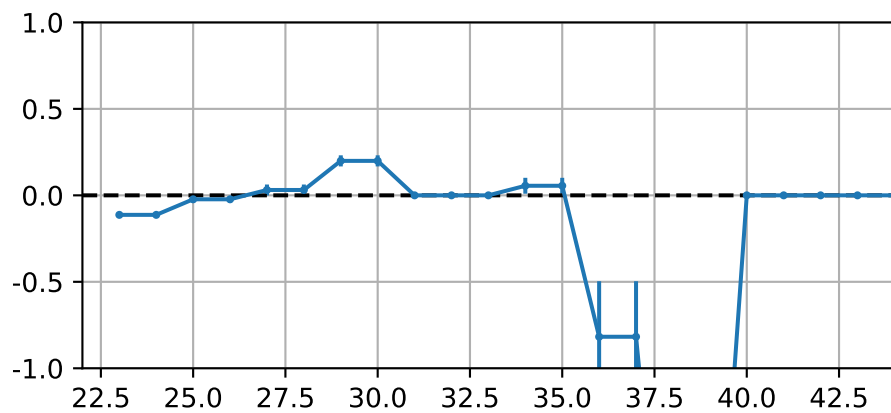
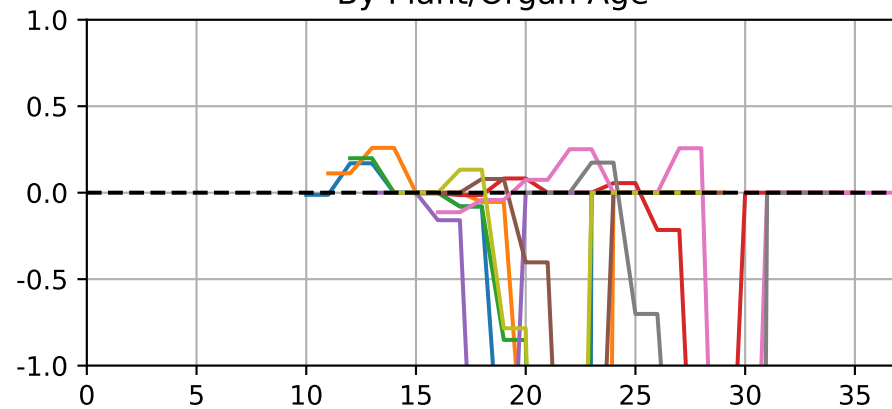


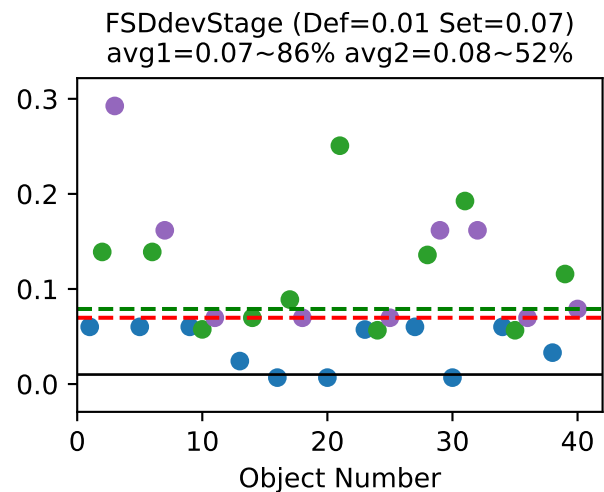
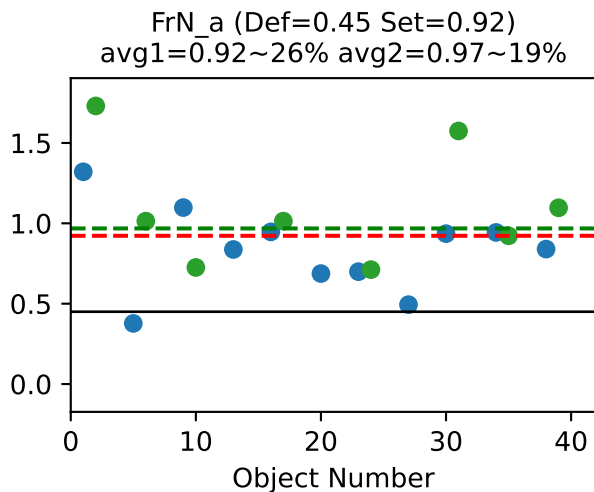
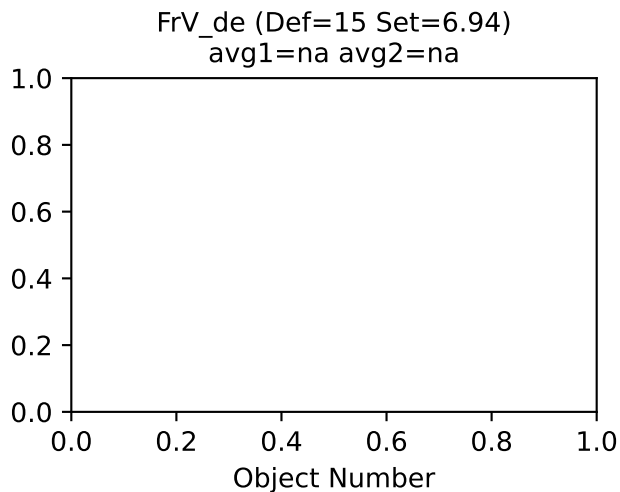
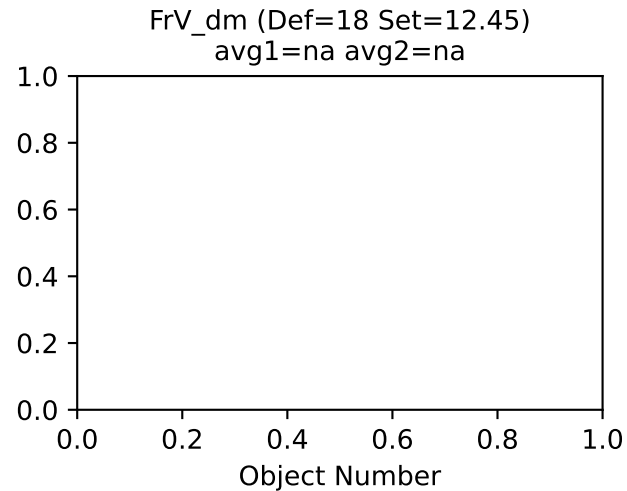
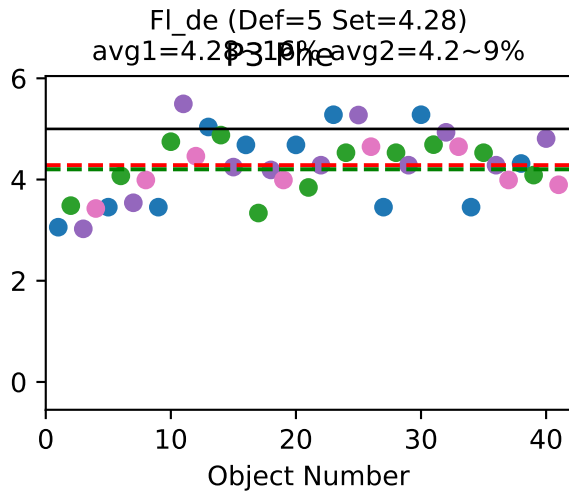
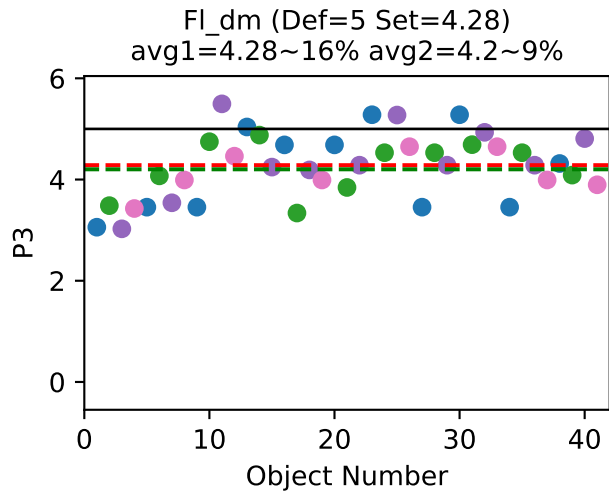


By Start Date

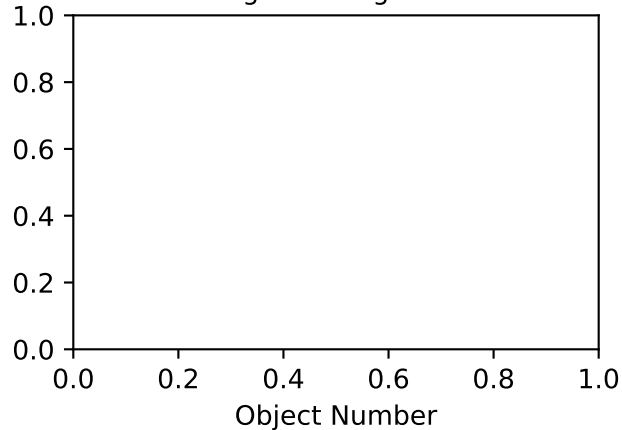


By Plant/Organ Age

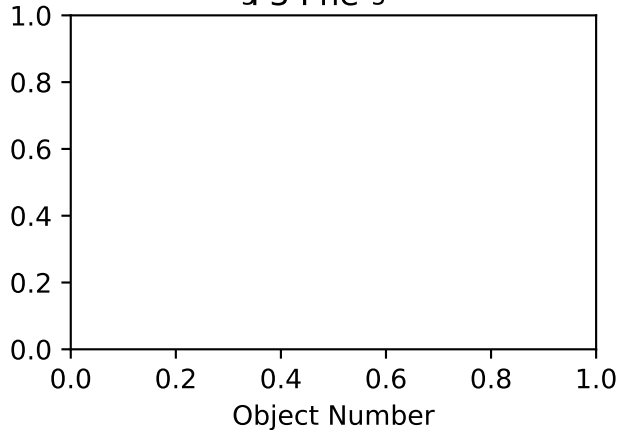




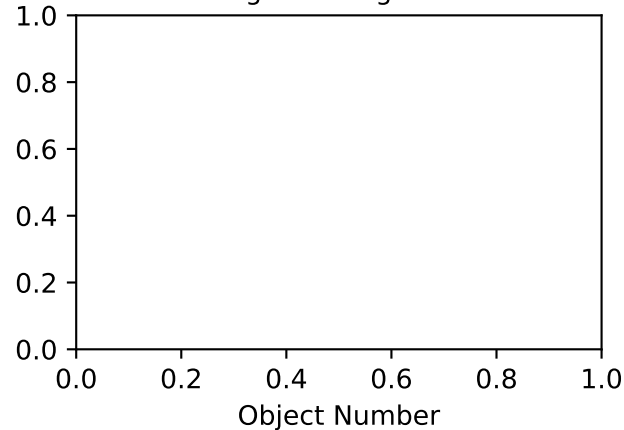
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



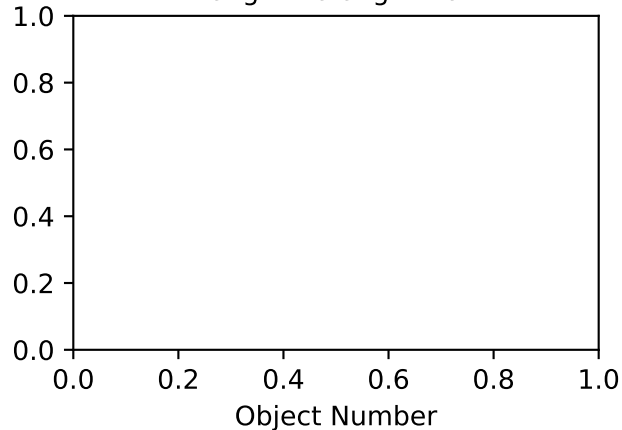
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



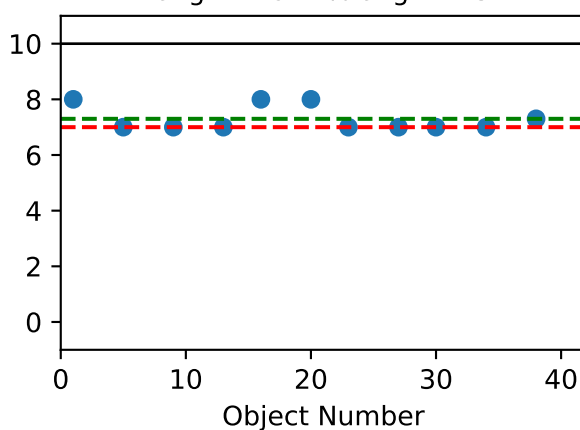
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na

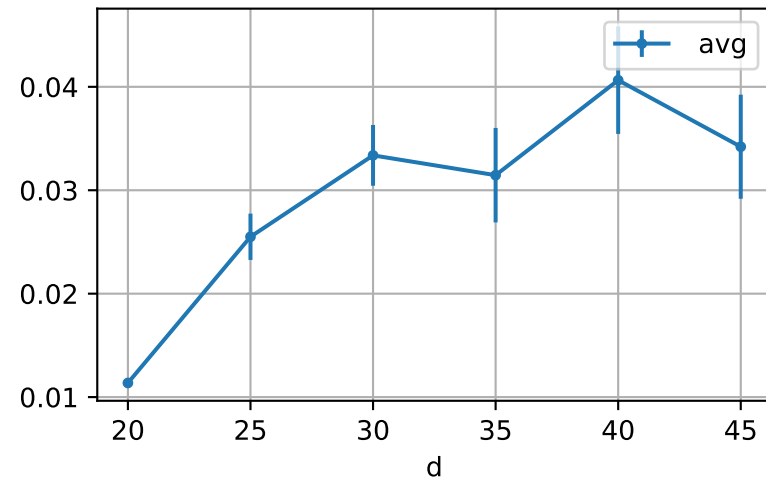


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

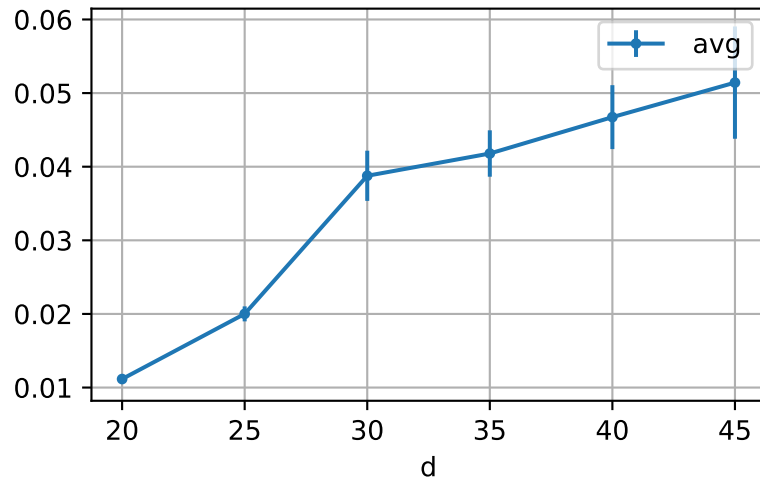


LfA: avg vs. d at each age group

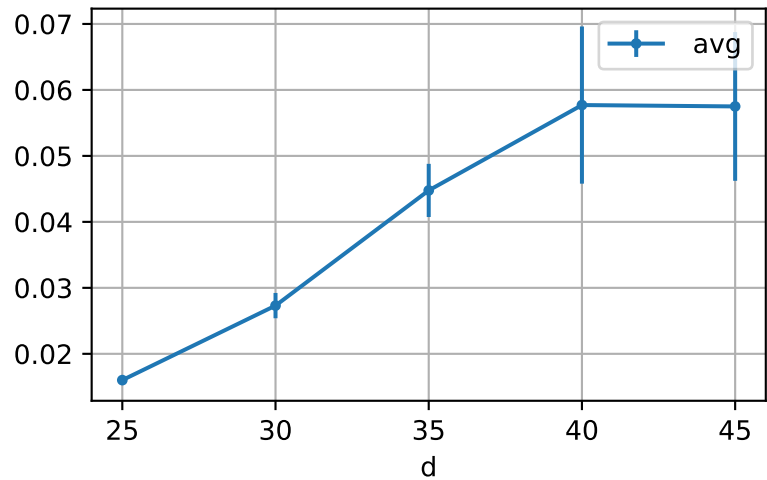
age=15



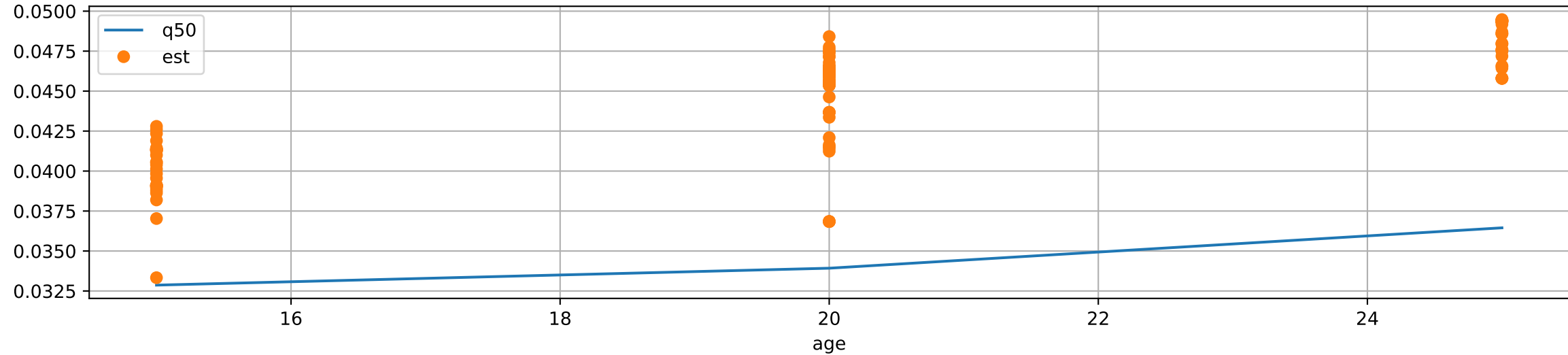
age=20



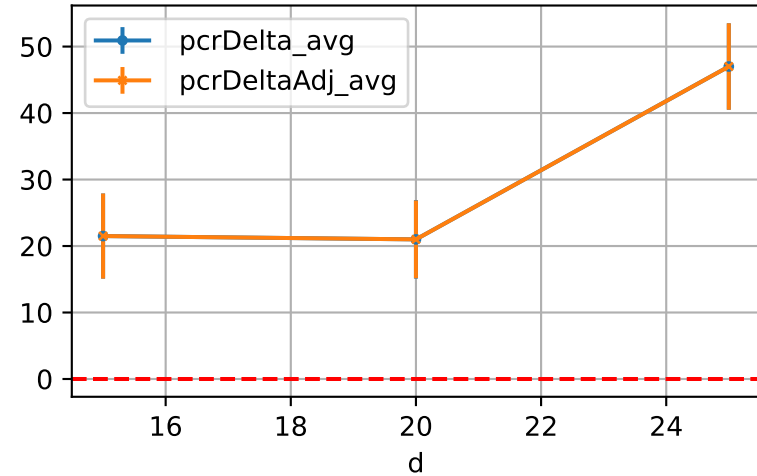
age=25



LfA: model est vs obsOv@Q50

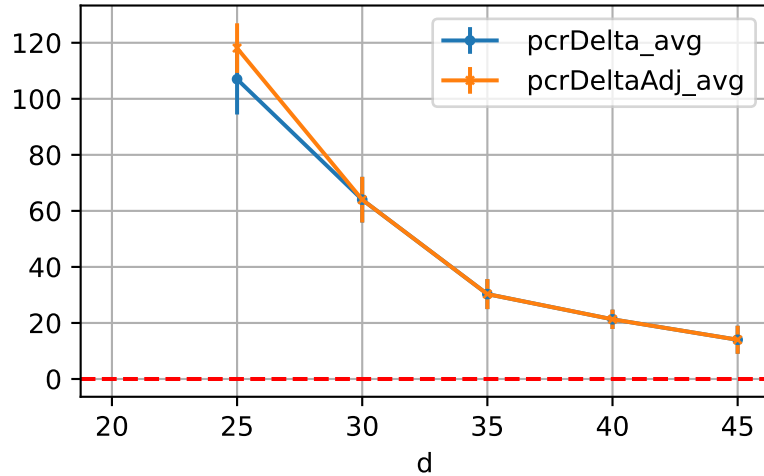


DeltaTypeAbbr=GrpByAge

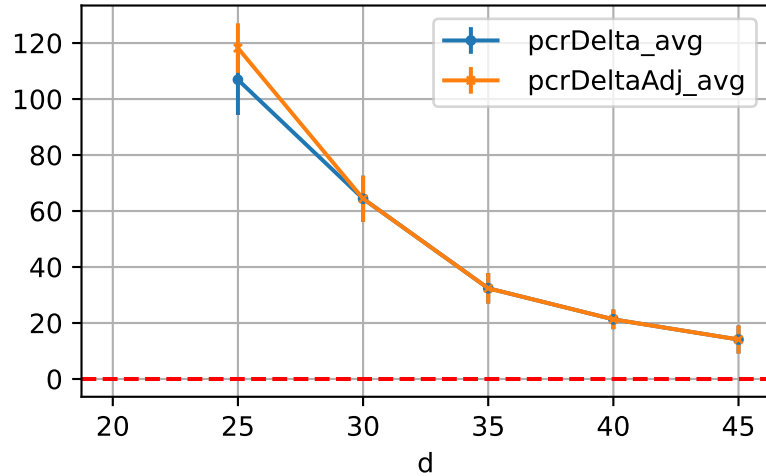


P3 LfA: D_5d_LfA

DeltaTypeAbbr=GrpByDay

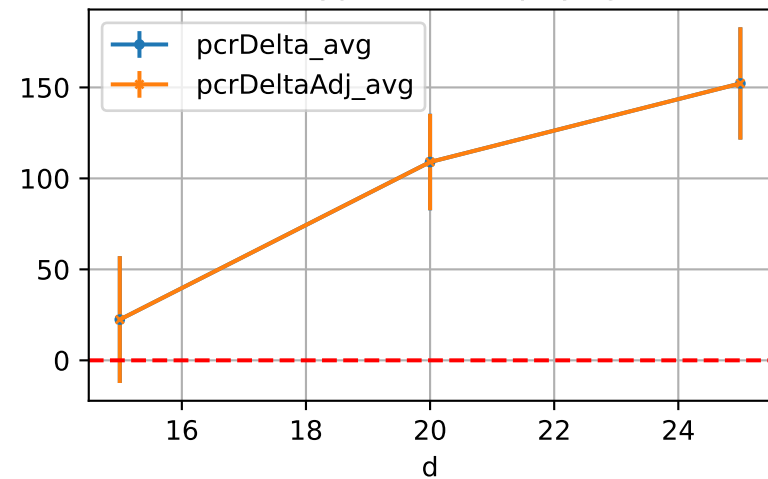


DeltaTypeAbbr=WeiAvgByD

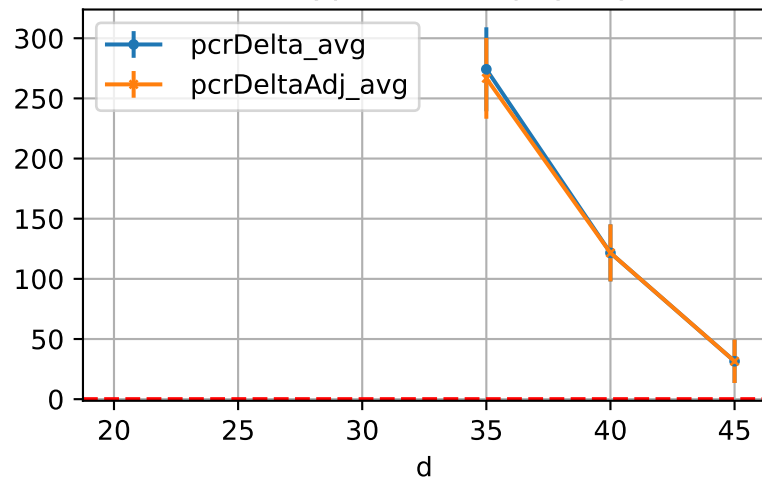


P3 LfA: D_15d_LfA

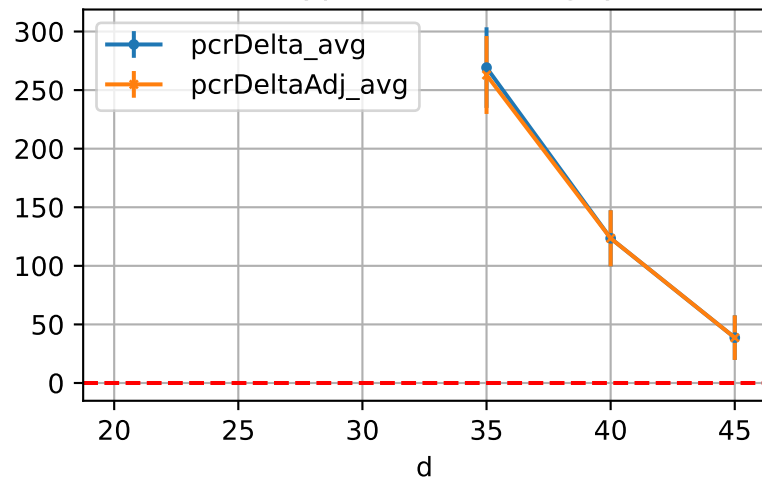
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

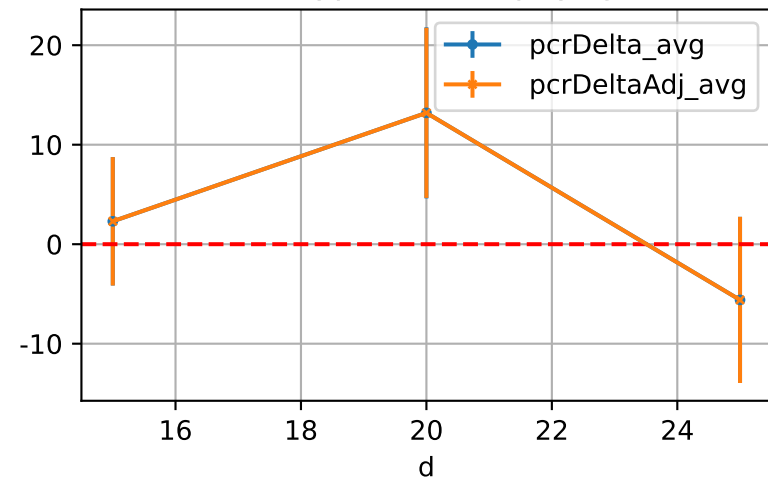


DeltaTypeAbbr=WeiAvgByD

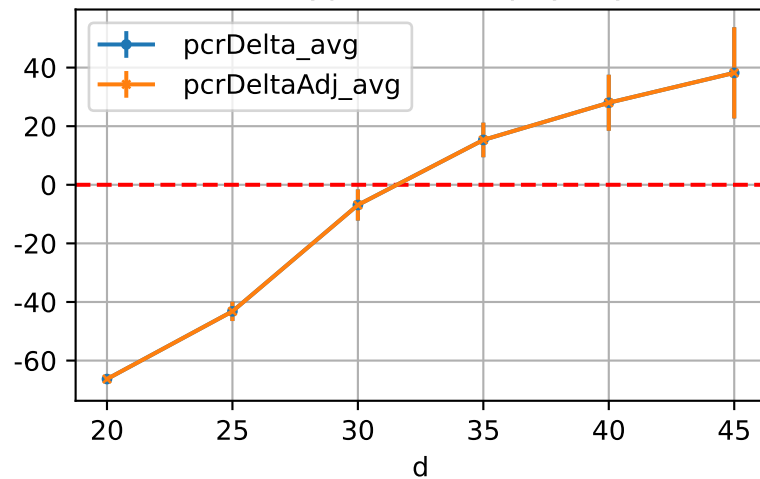


P3 LfA: D_Q50_LfA

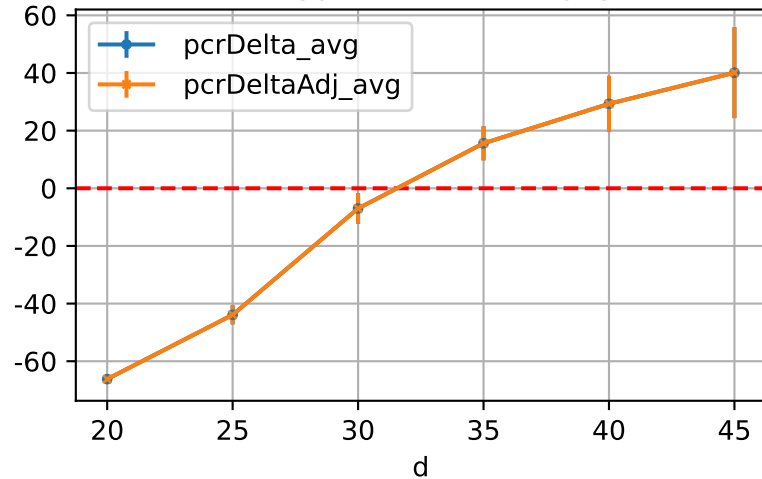
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

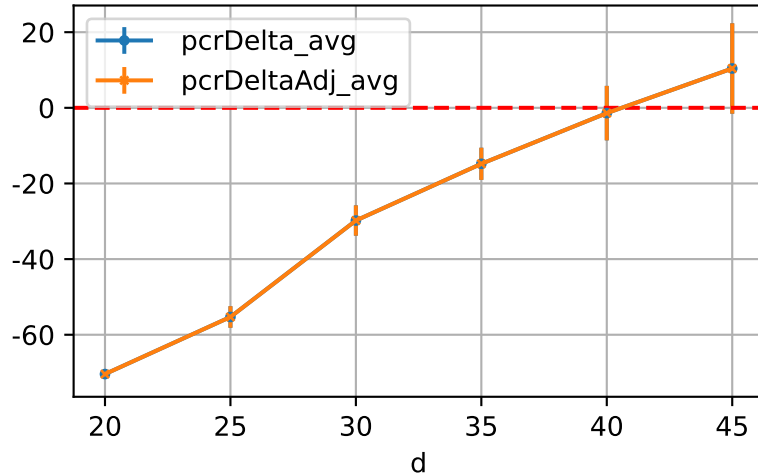


DeltaTypeAbbr=WeiAvgByD

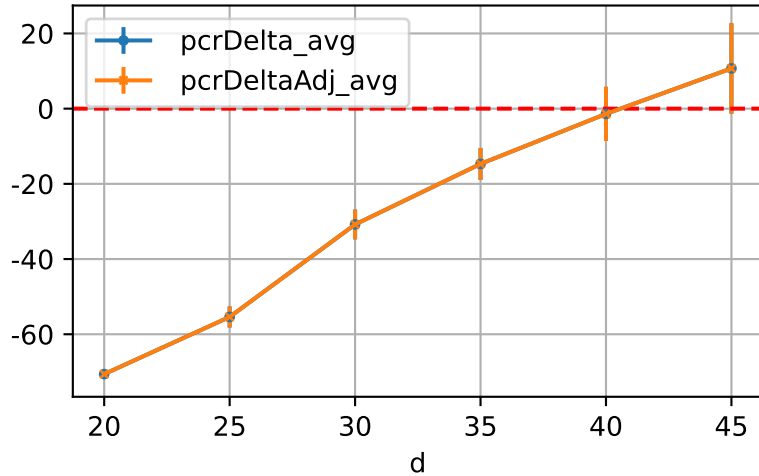


P3 LfA: D_Est_LfA

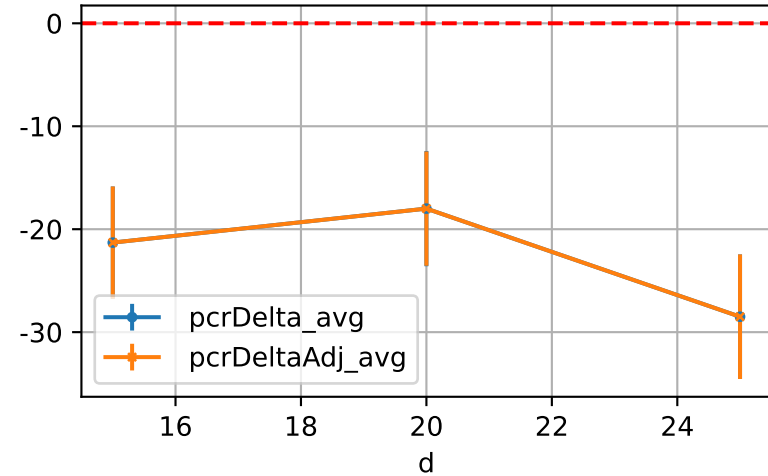
DeltaTypeAbbr=GrpByDay



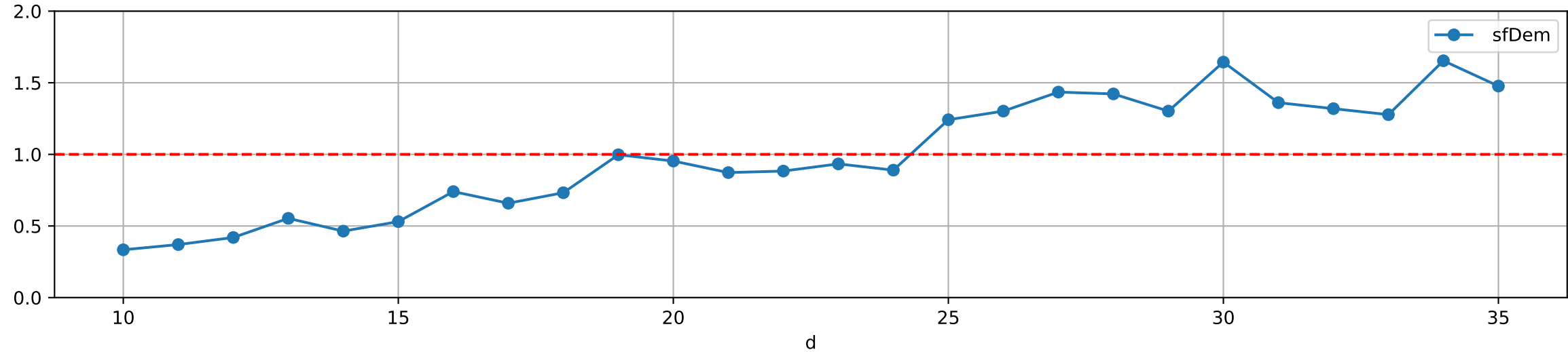
DeltaTypeAbbr=WeiAvgByD

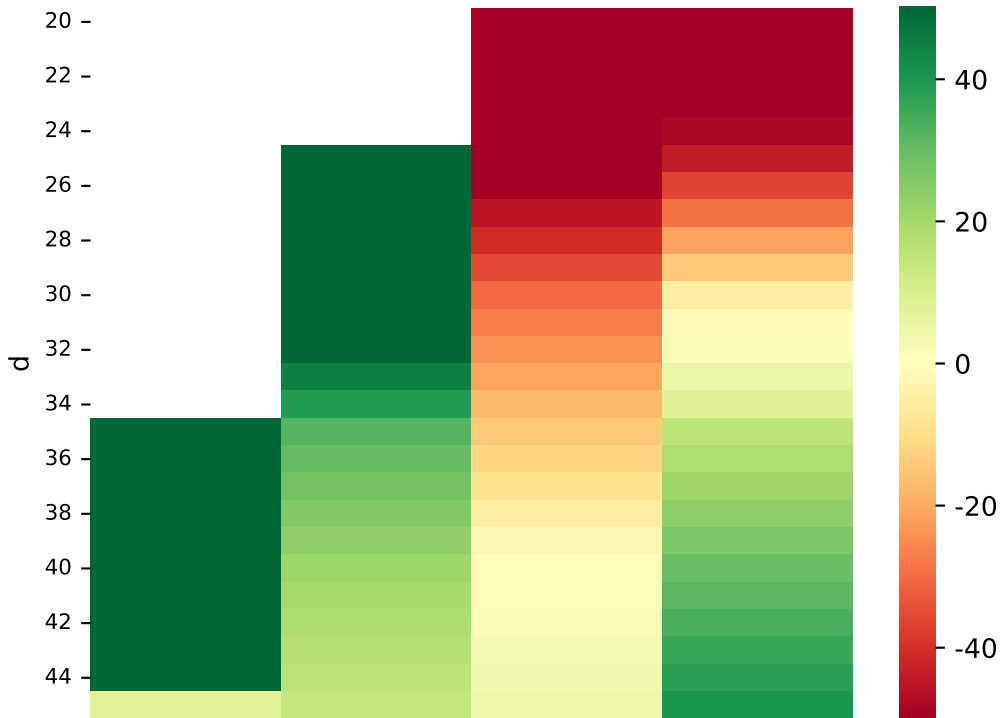


DeltaTypeAbbr=GrpByAge



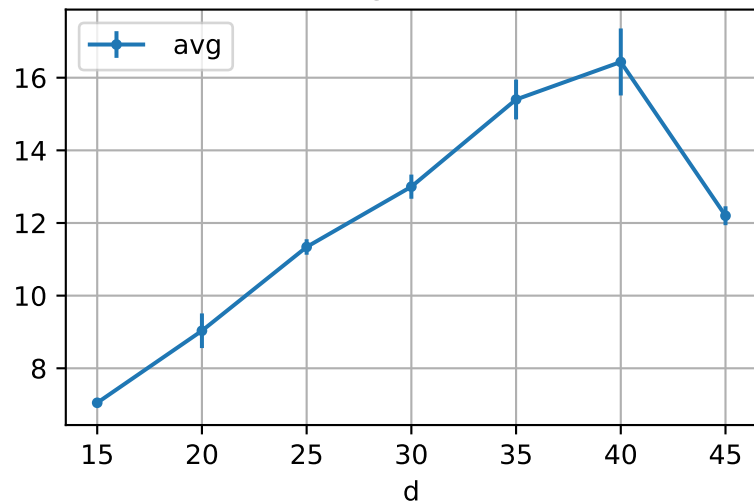
LfA: sfDem



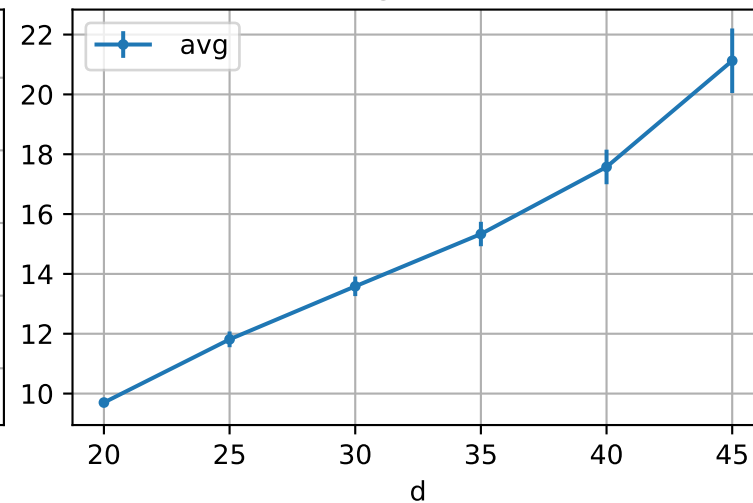


NdD: avg vs. d at each age group

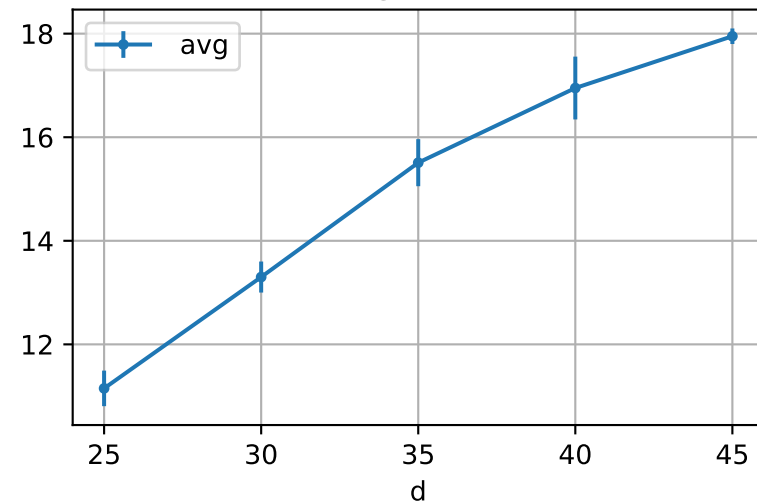
age=15



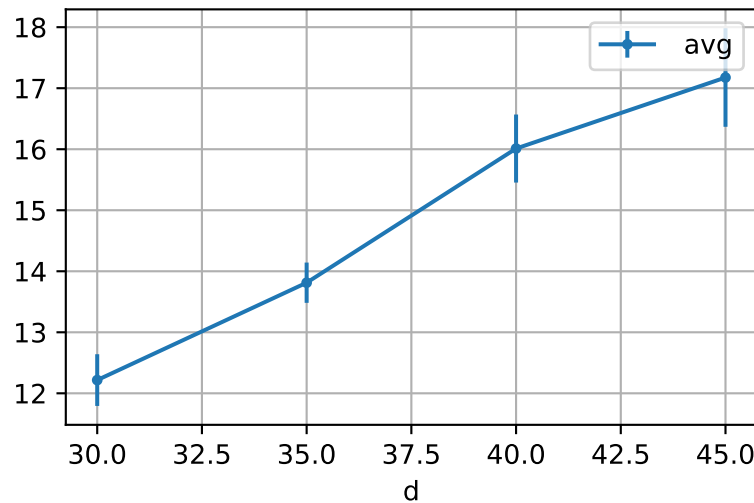
age=20



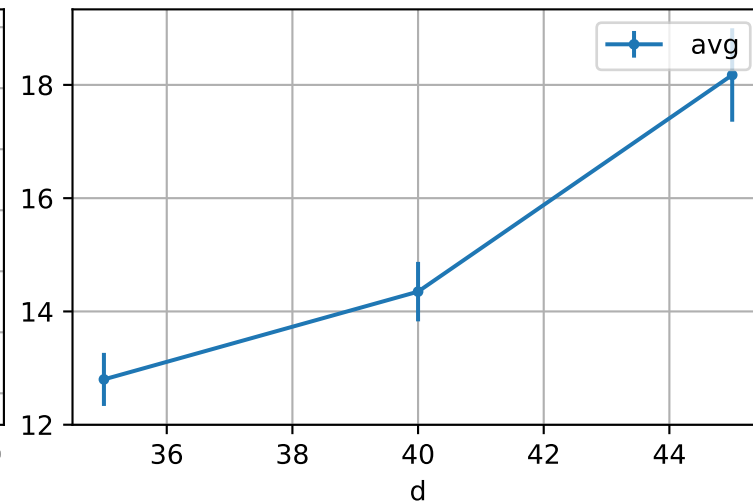
age=25



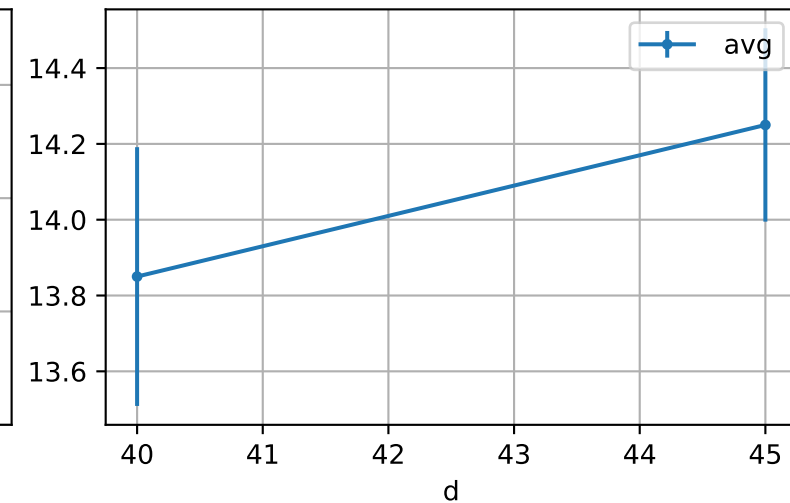
age=30



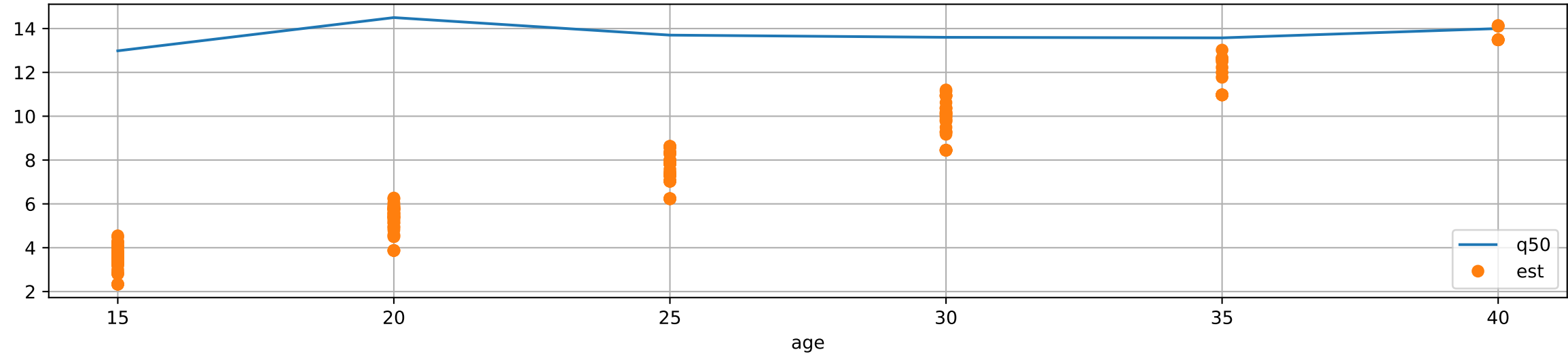
age=35



age=40

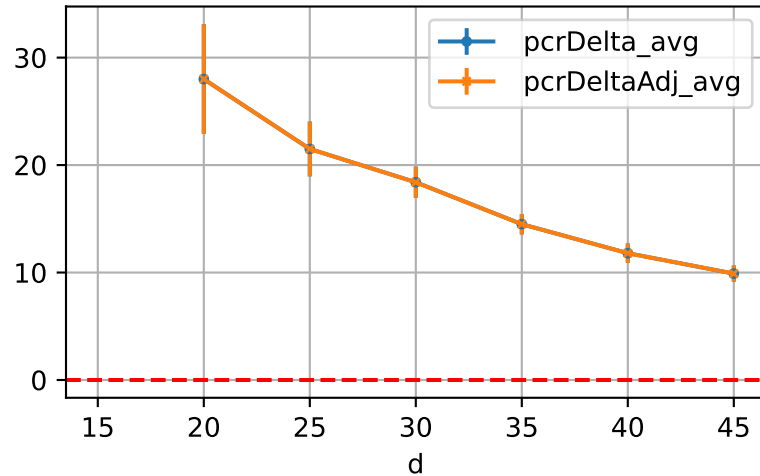


NdD: model est vs obsOv@Q50

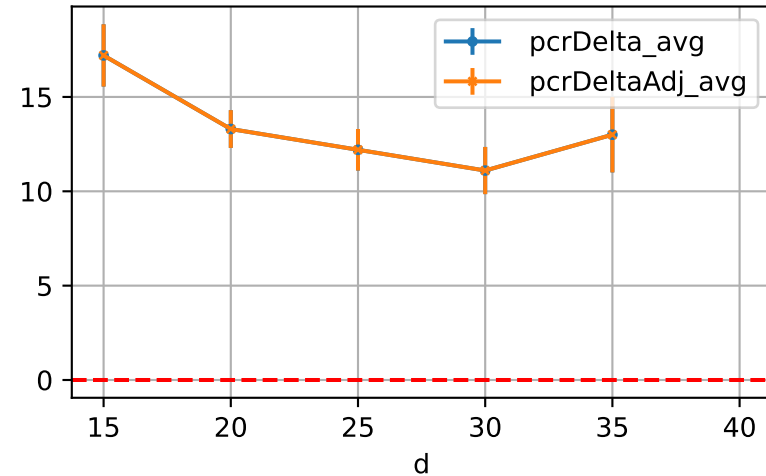


P3 NdD: D_5d_NdD

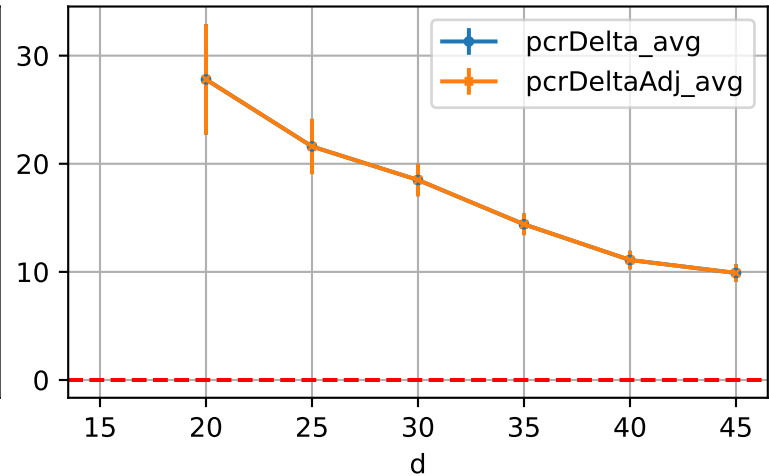
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

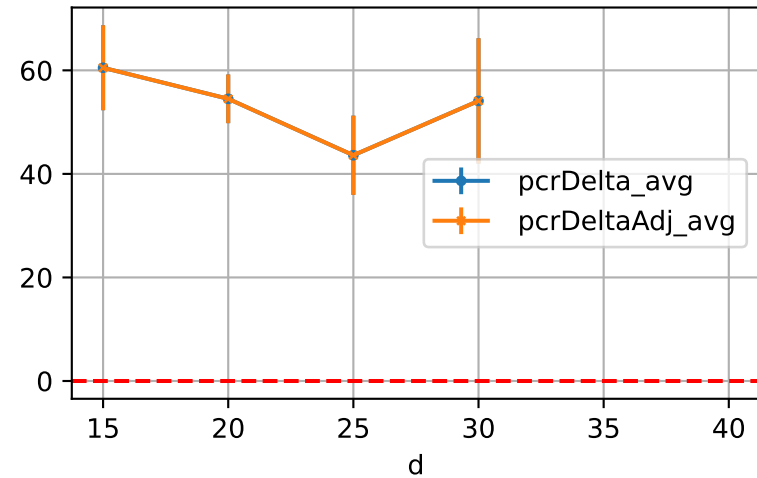


DeltaTypeAbbr=WeiAvgByD

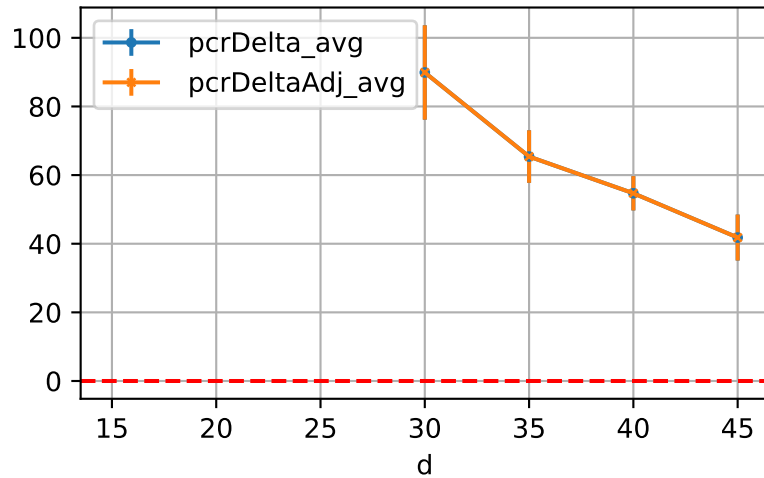


P3 NdD: D_15d_NdD

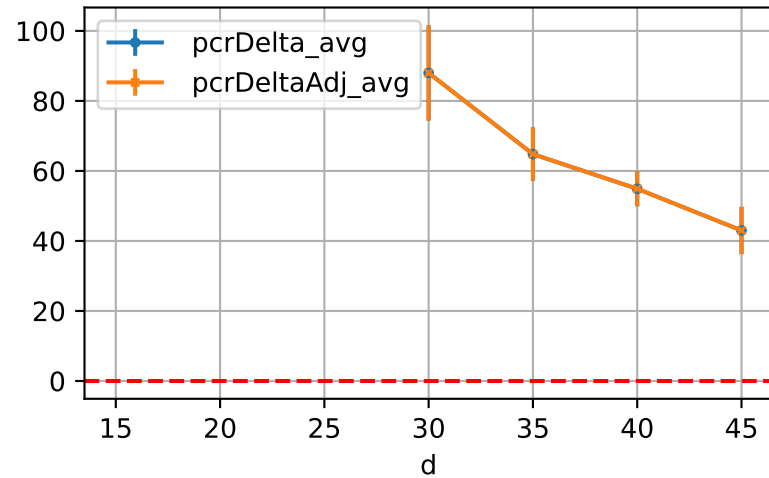
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

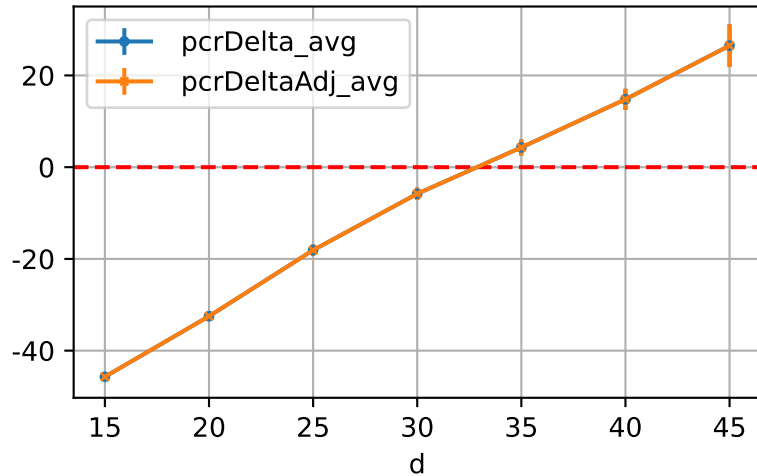
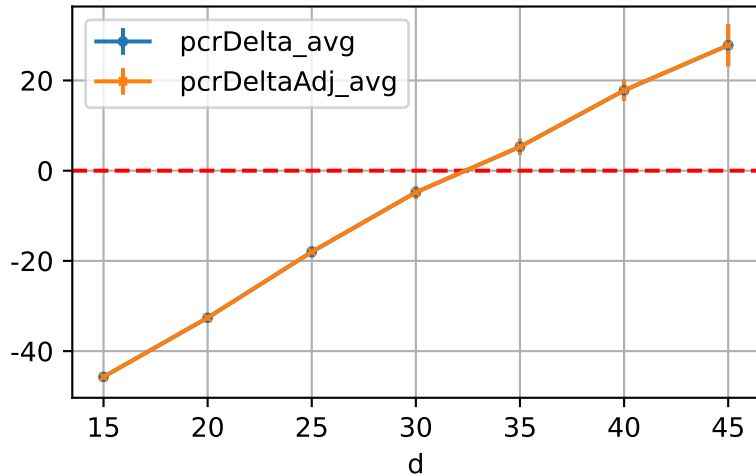
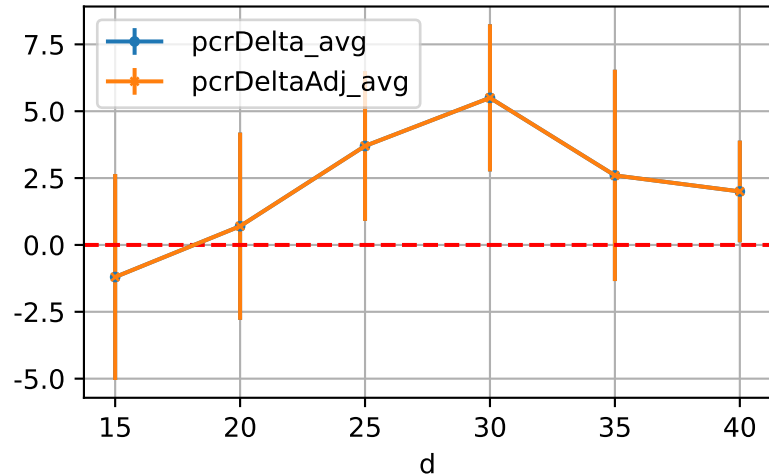


DeltaTypeAbbr=WeiAvgByD



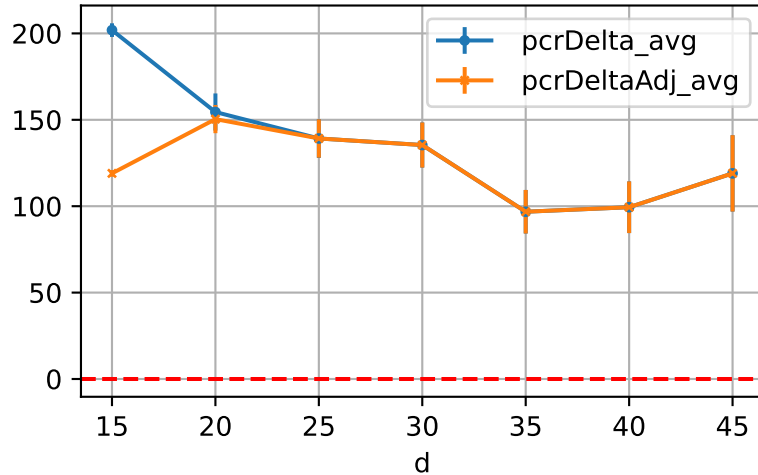
P3 NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByDay

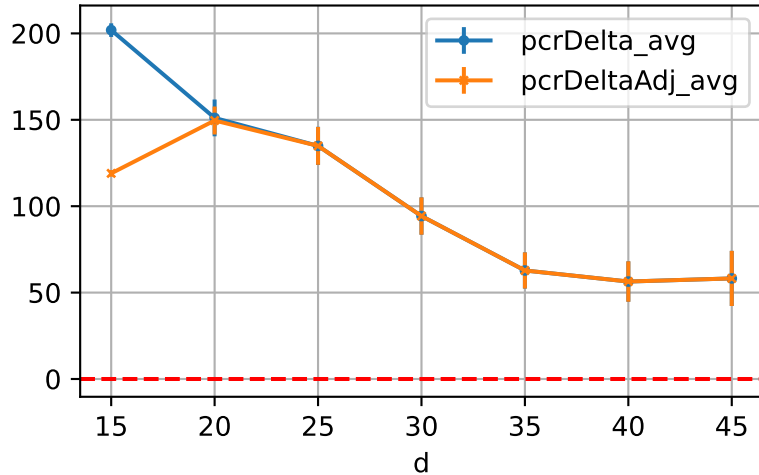


P3 NdD: D_Est_NdD

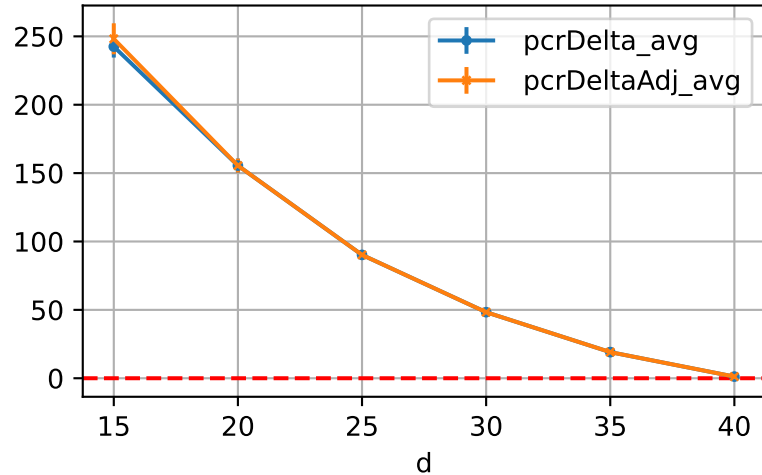
DeltaTypeAbbr=GrpByDay



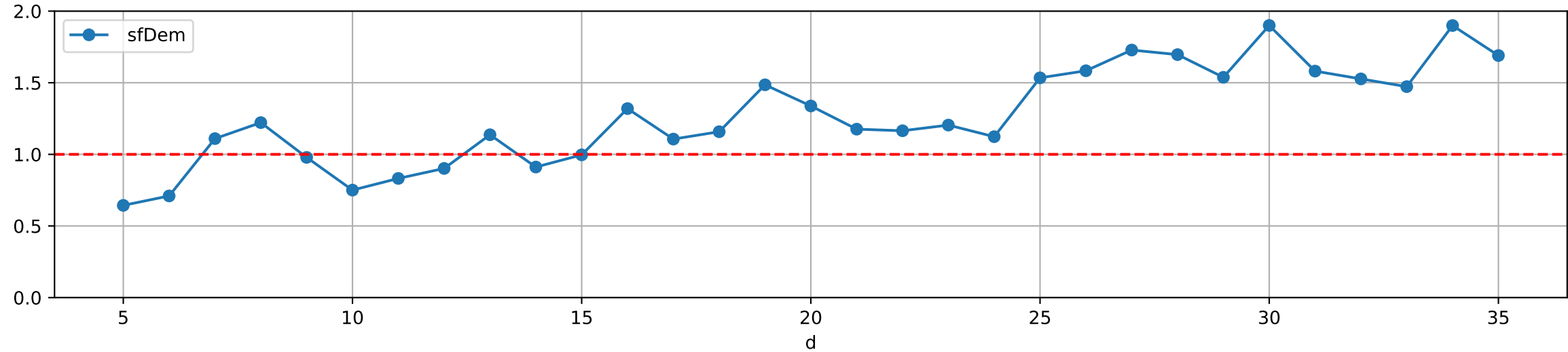
DeltaTypeAbbr=WeiAvgByD

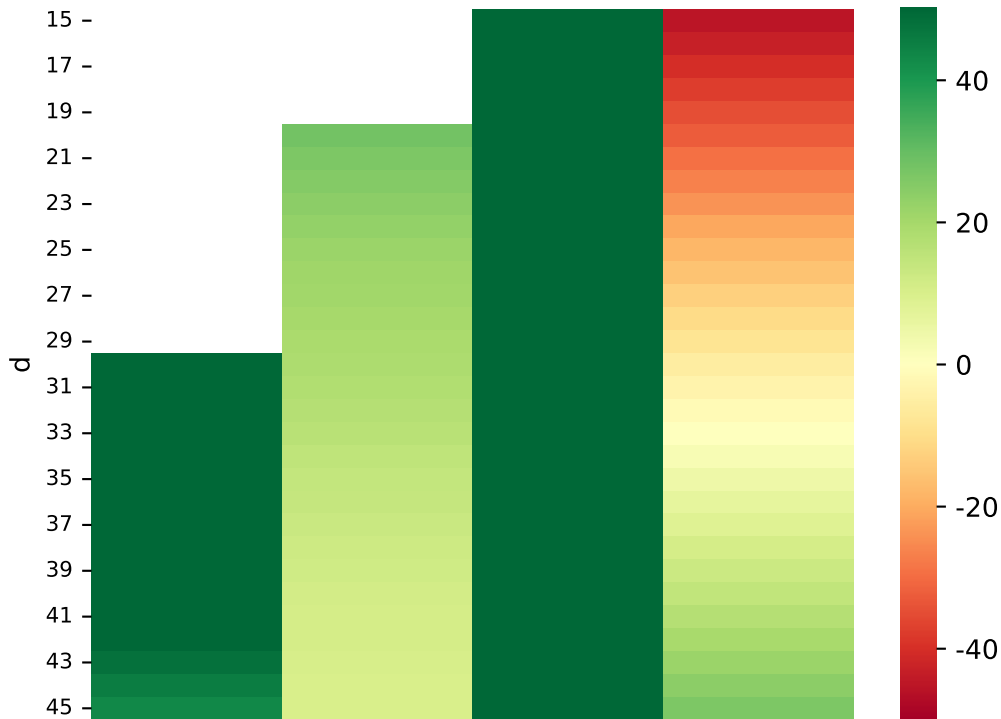


DeltaTypeAbbr=GrpByAge

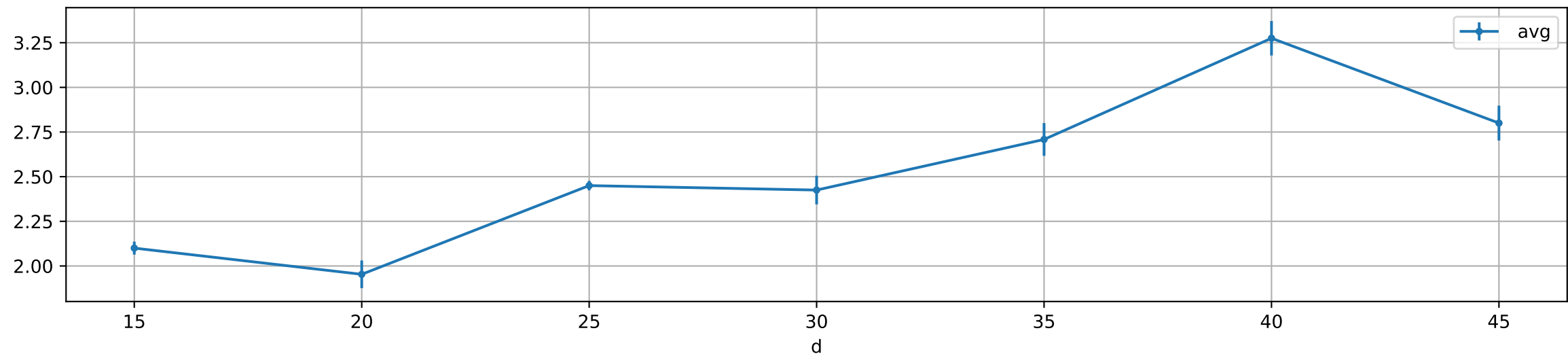


NdD: sfDem

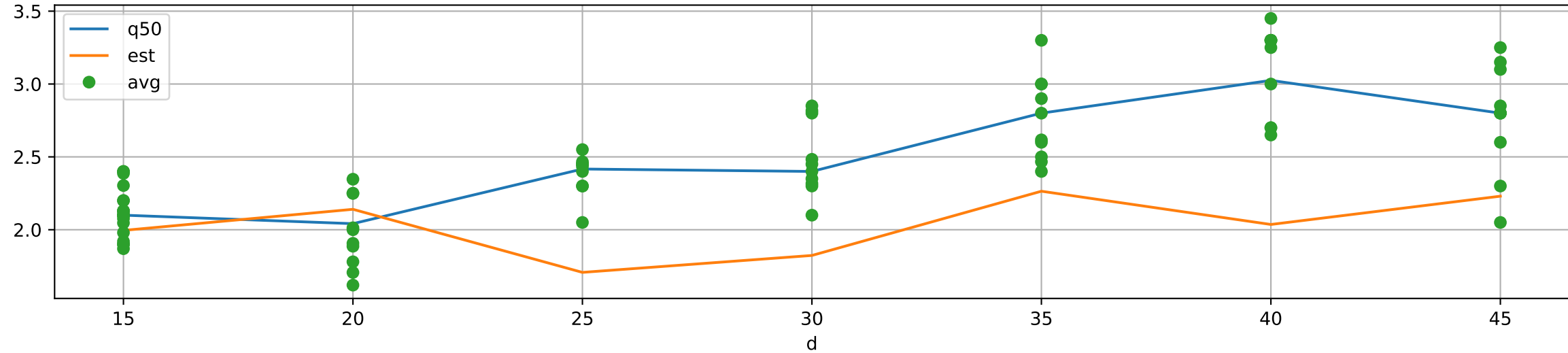




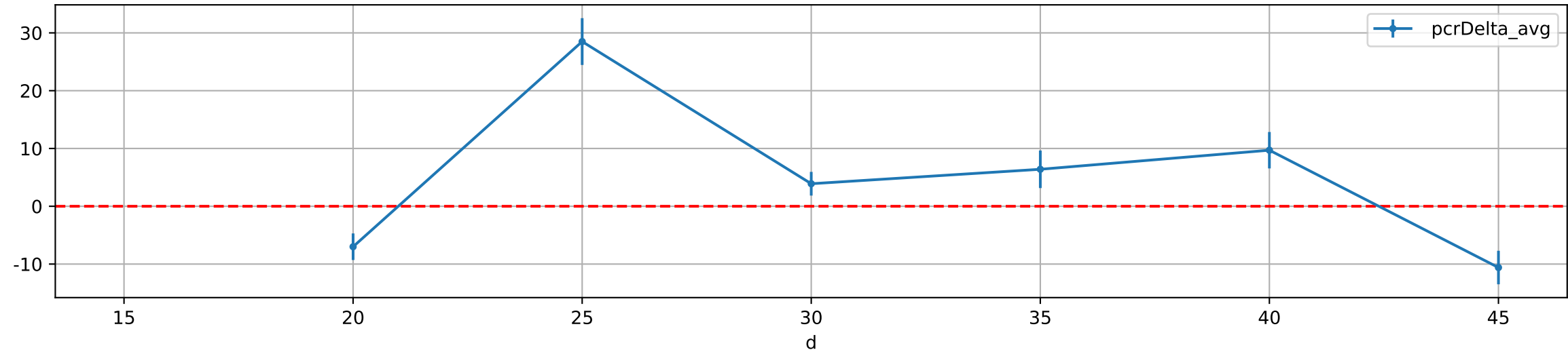
dStH: avg vs. d



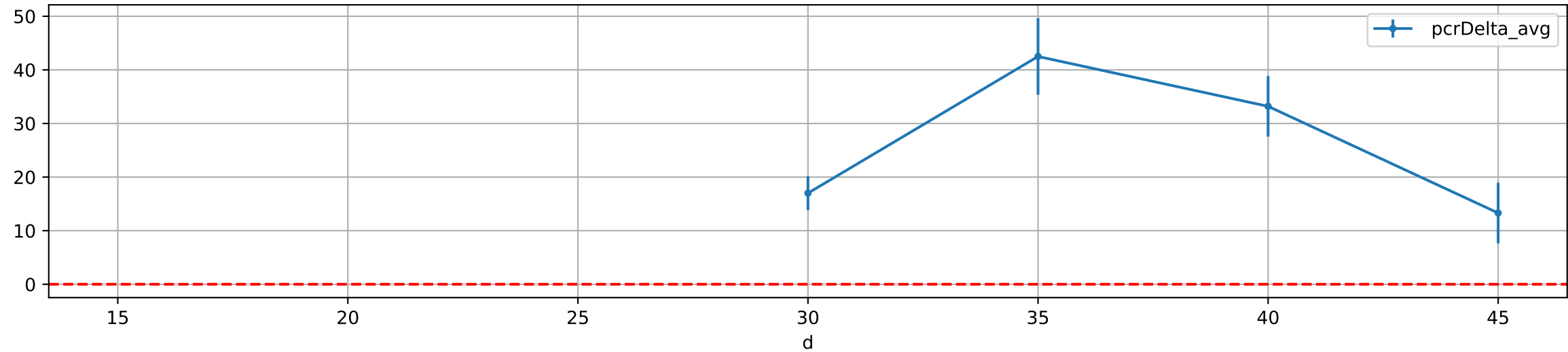
dStH: obsAvg vs obsOv@Q50



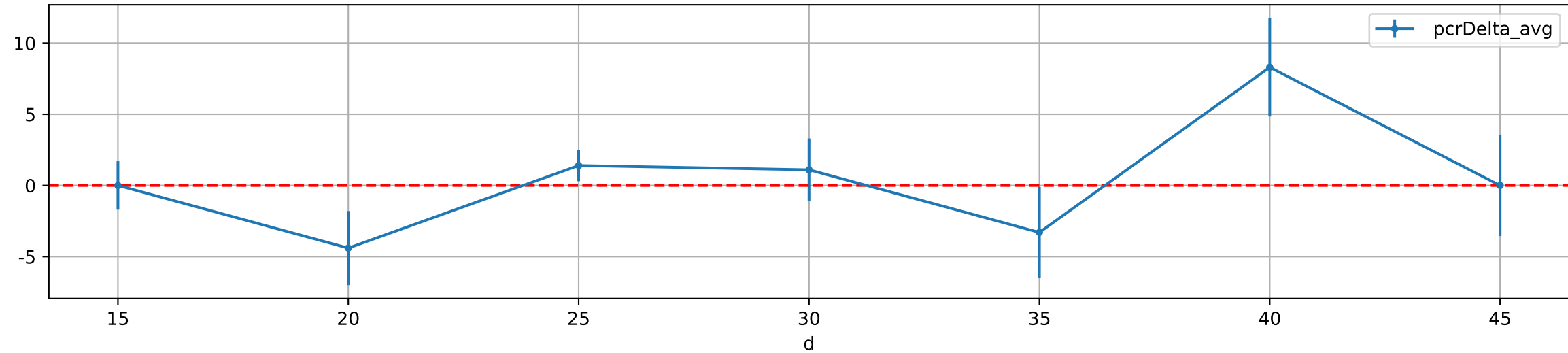
dStH: D_5d_StH



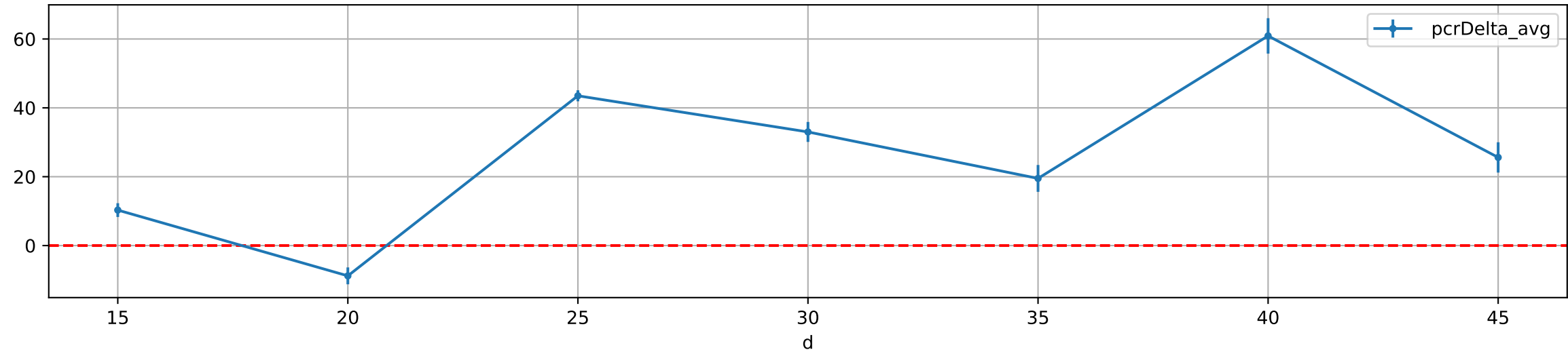
dStH: D_15d_StH



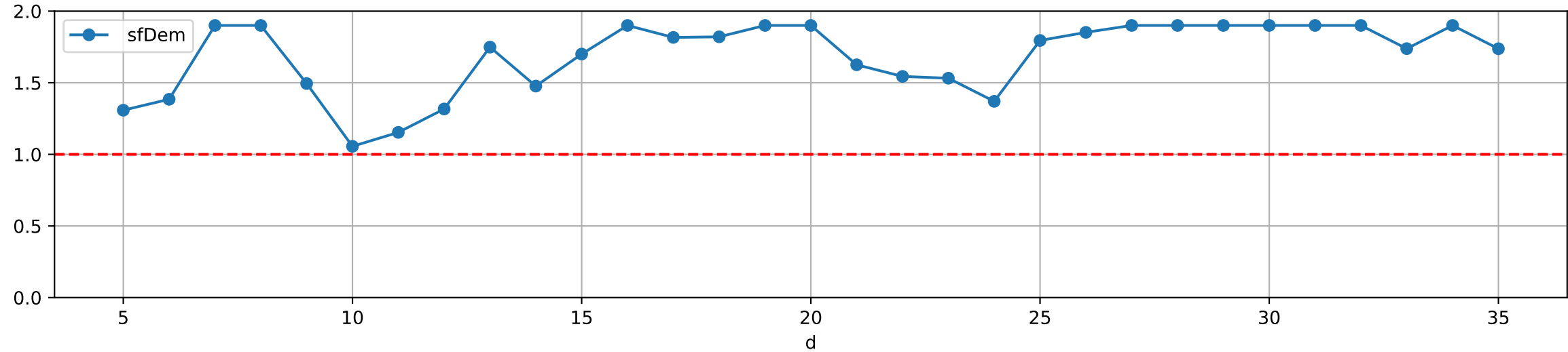
dStH: D_Q50_StH



dStH: D_Est_StH



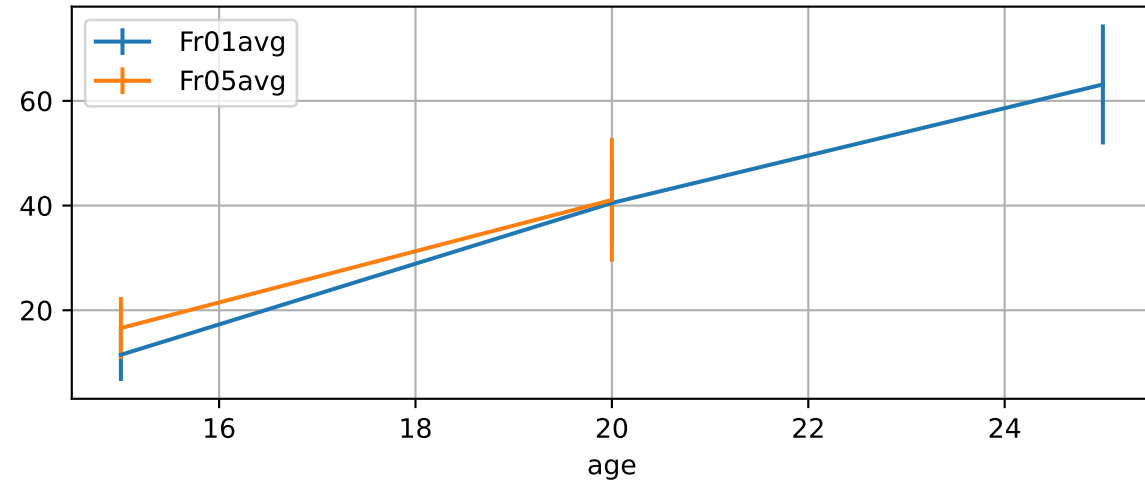
dStH: sfDem



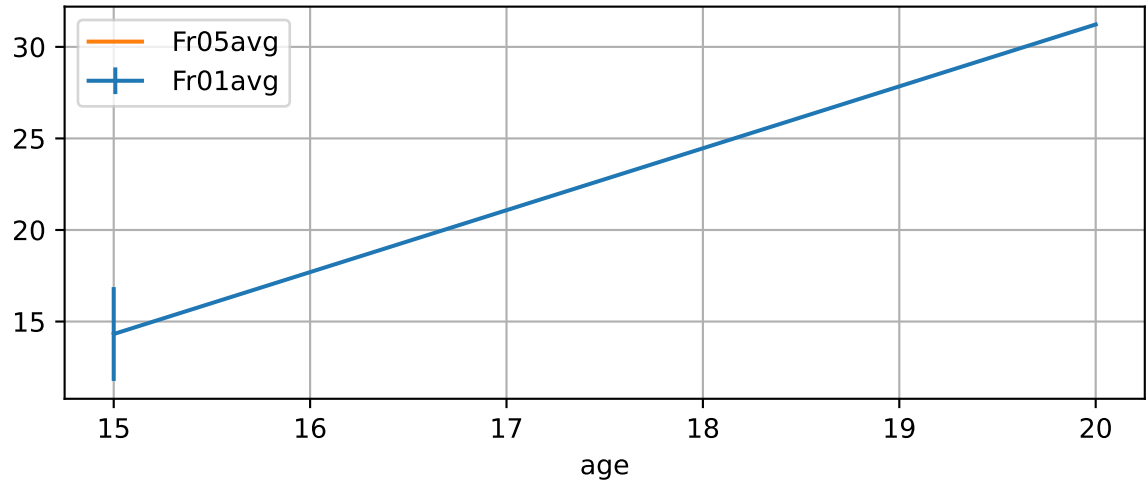


FrV: Fr01 vs Fr05 at each truss

organID=T01

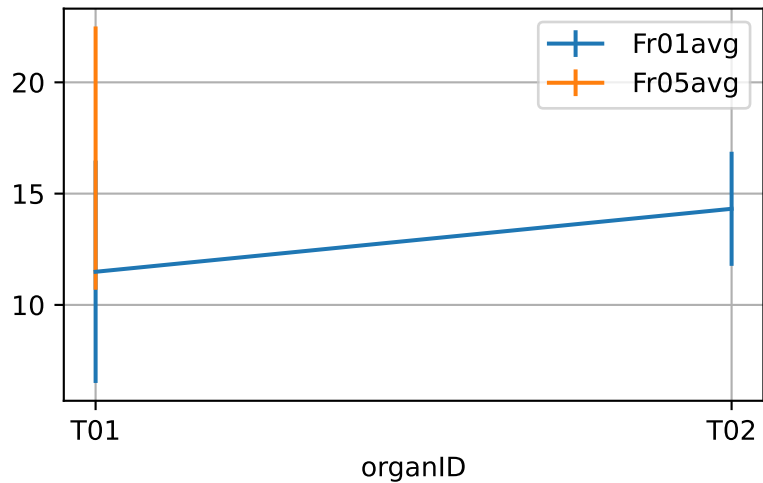


organID=T02

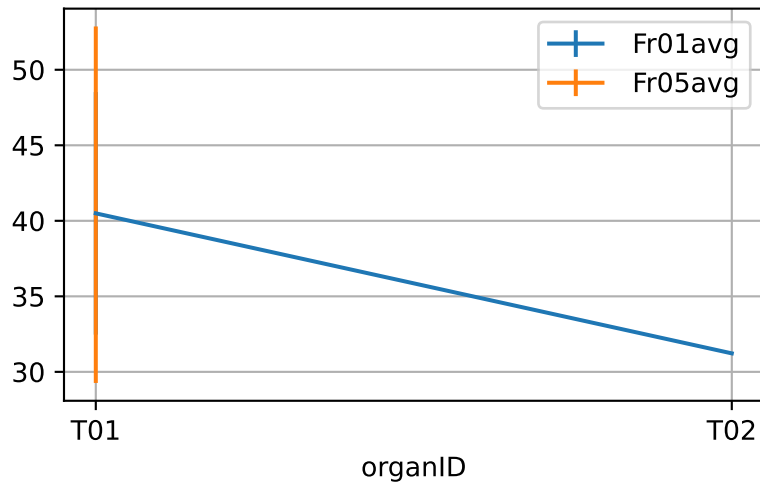


FrV trend at each age

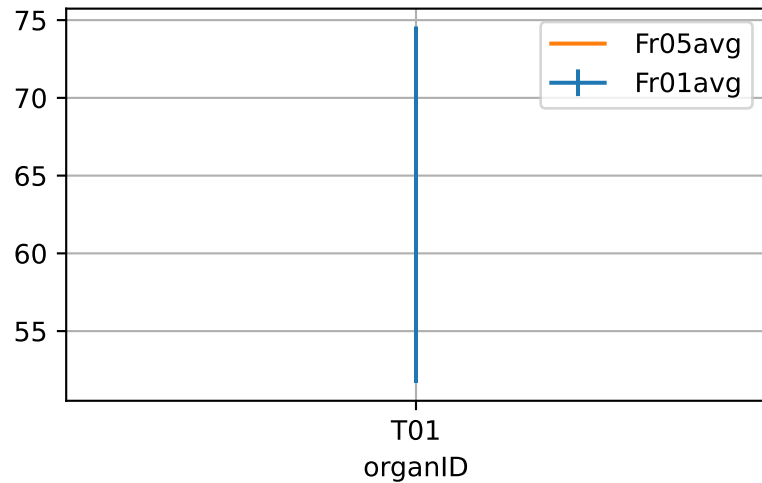
age=15



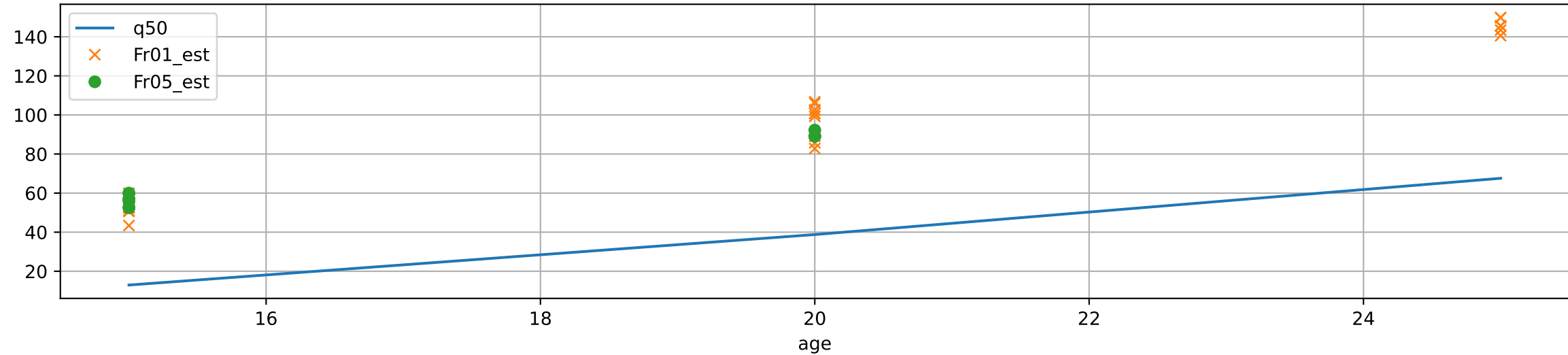
age=20



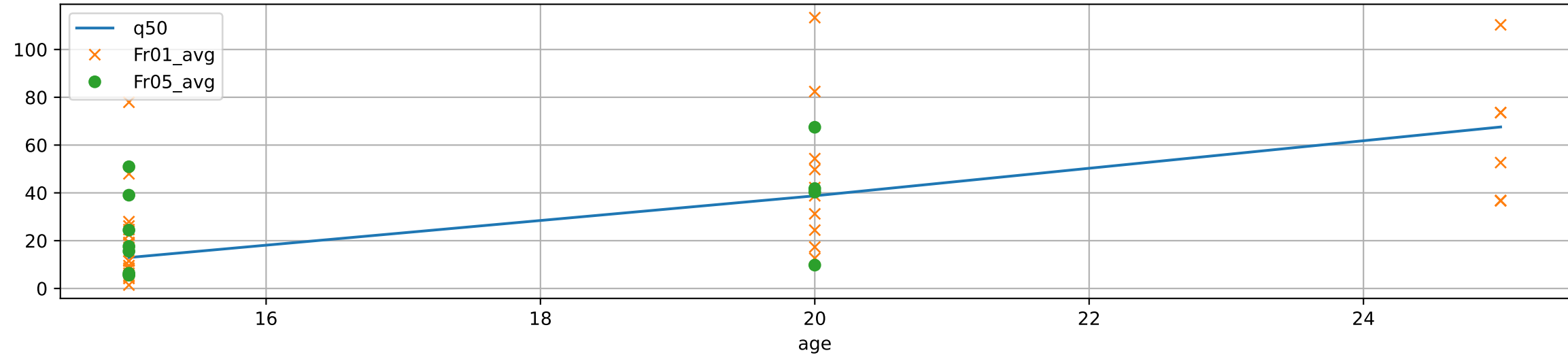
age=25



FrV: model Est vs obsFrV at Q90

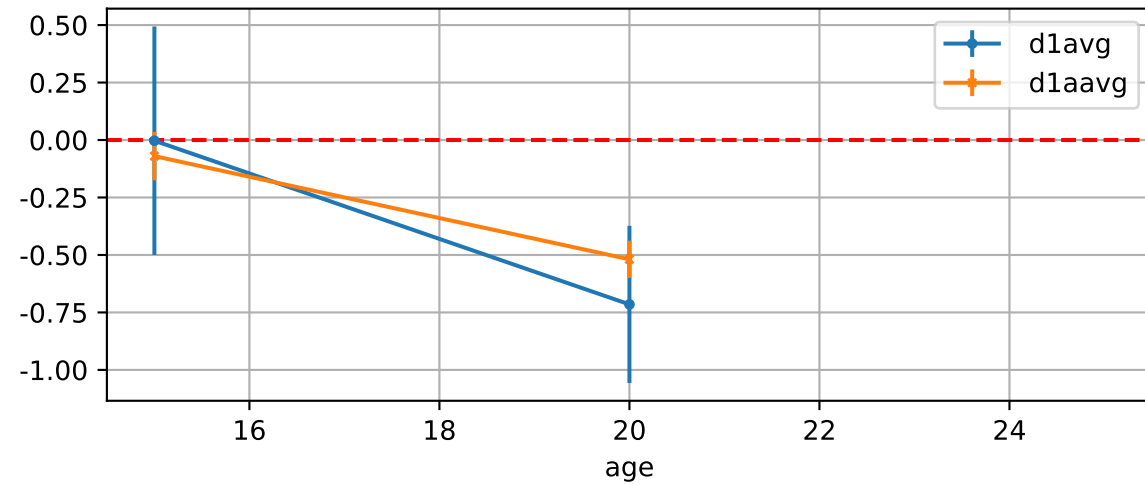


FrV: obsFrV vs obsFrV@Q90

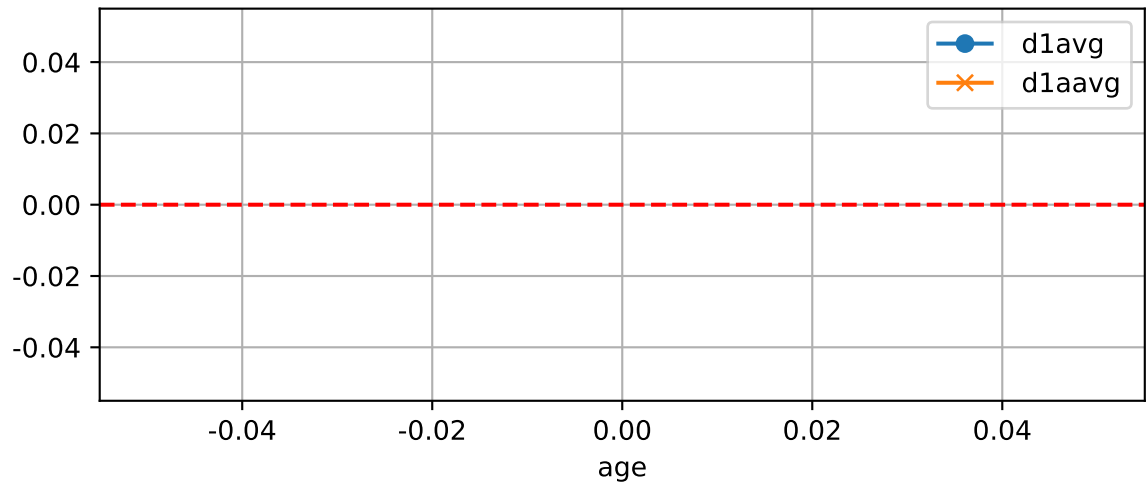


FrV: D_Fr1_FrV

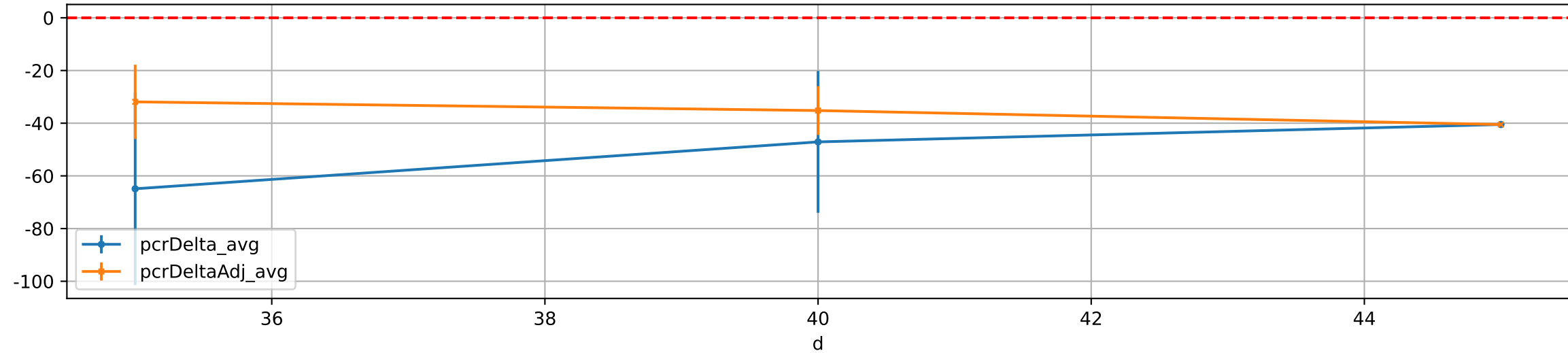
organID=1



organID=2

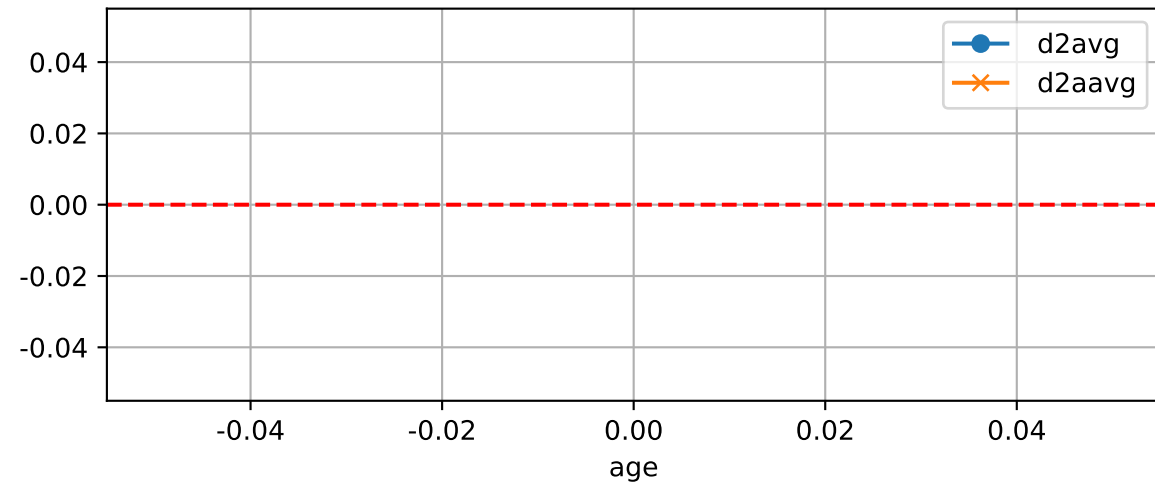


P3 FrV: D_Fr1_FrV

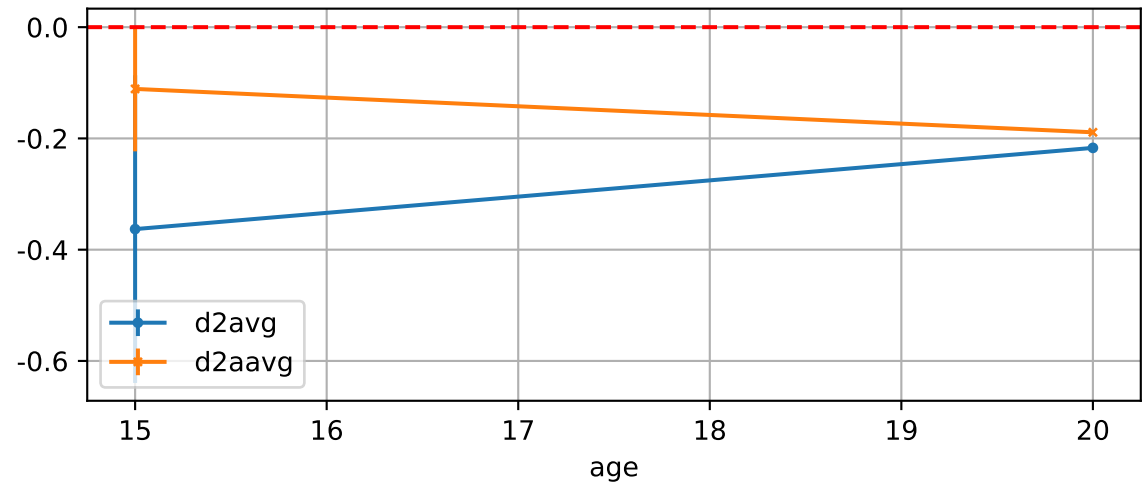


FrV: D_Ts_FrV

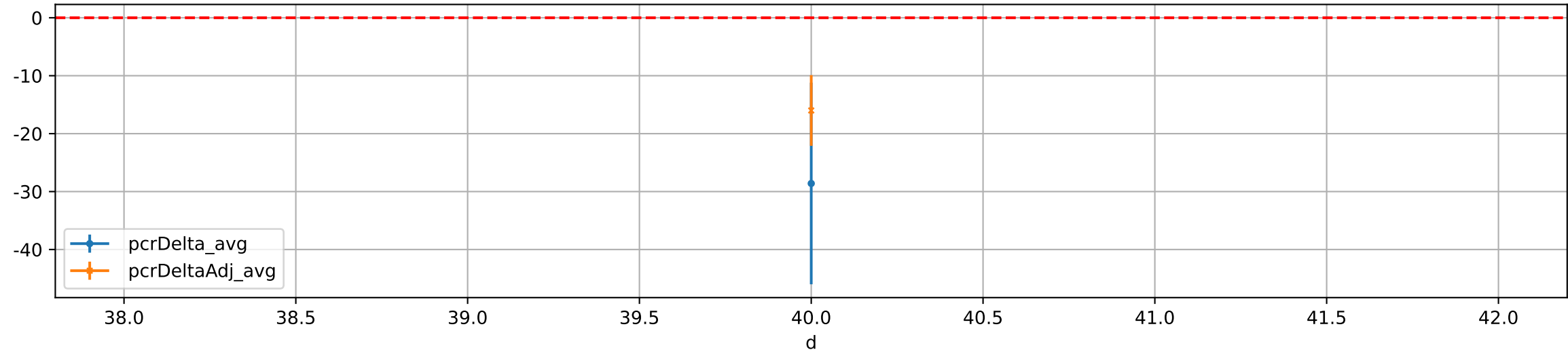
organID=1



organID=2

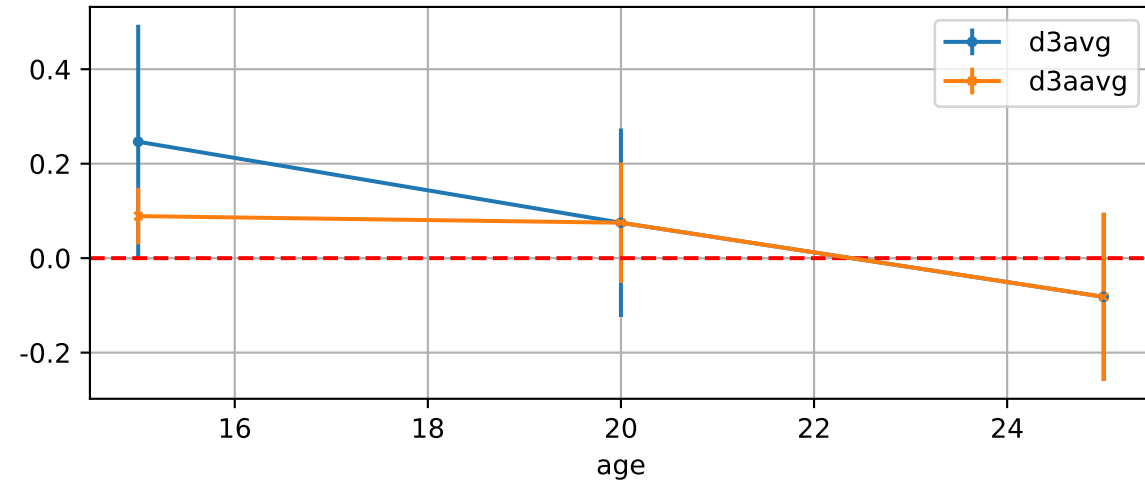


P3 FrV: D_Ts_FrV

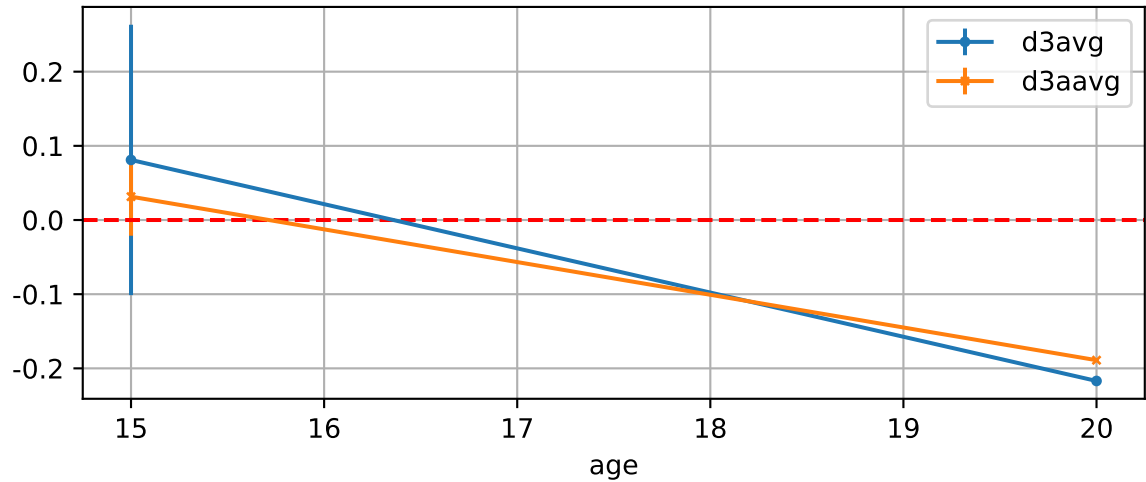


FrV: D_Q50_FrV

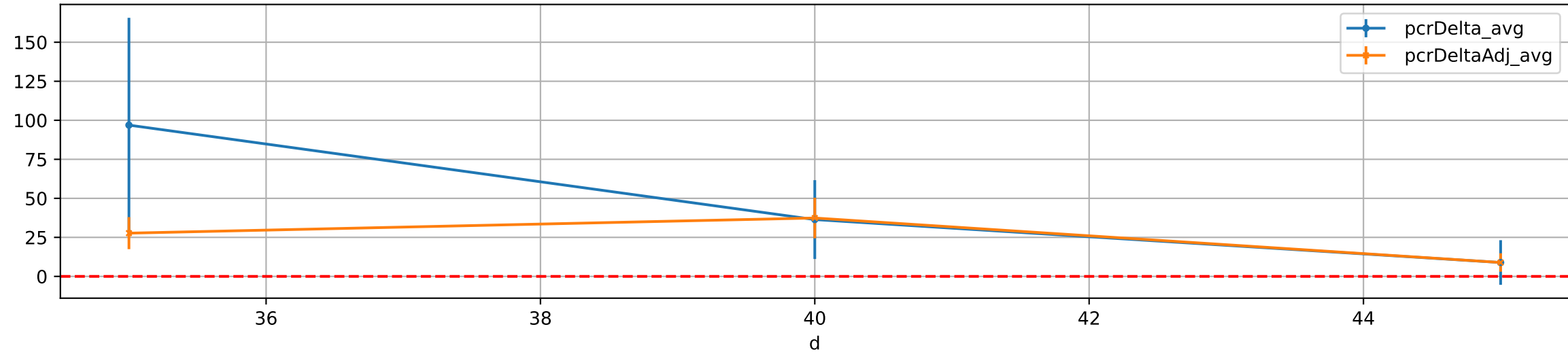
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organID=2

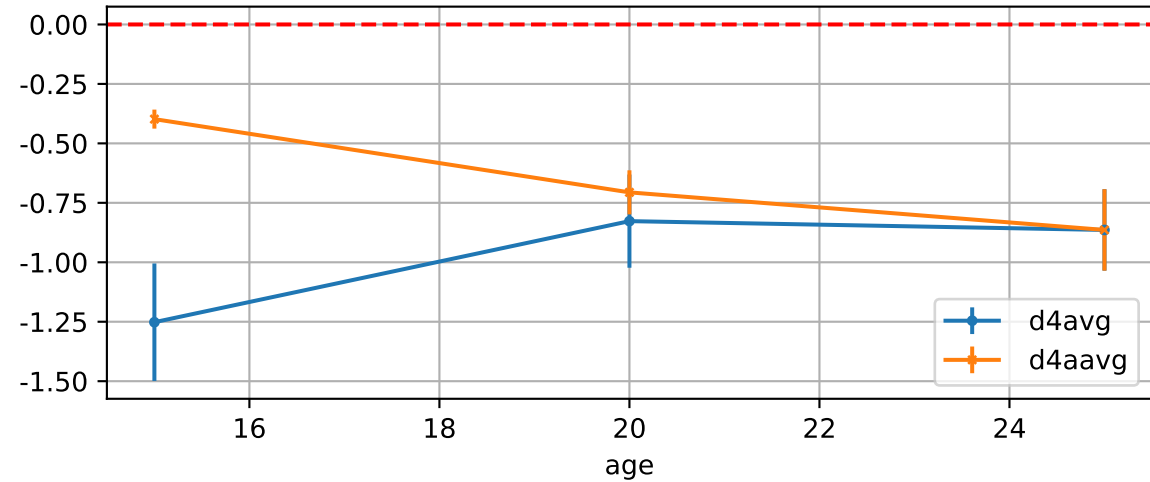


P3 FrV: D_Q50_FrV



FrV: D_Est_FrV

organID=1



organID=2

