

Phenotype Data Analysis Plots

PhenoData day range = 5 – 57

Analysis cutoff day = 57

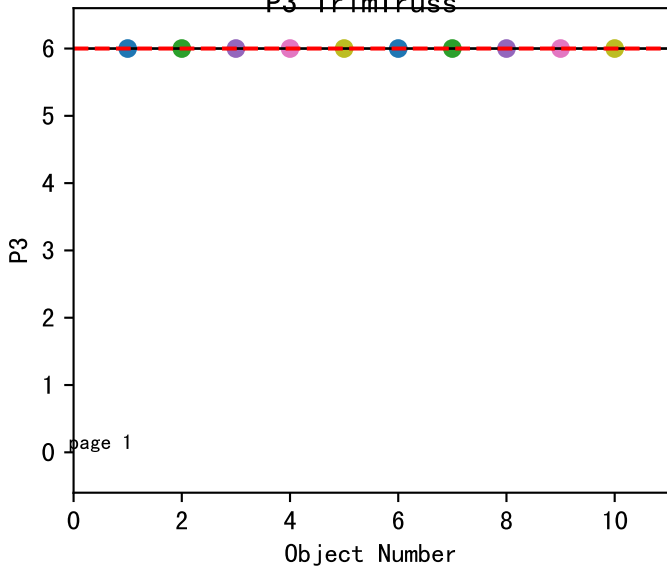
NC11 P3

2025-06-02 (Day 58)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

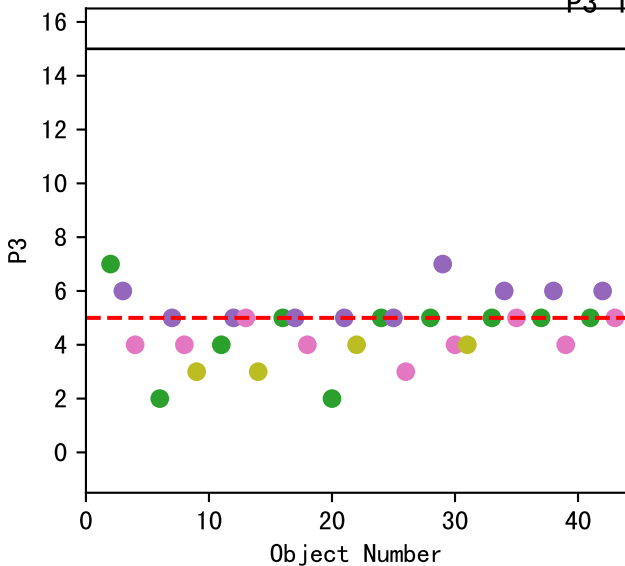
P3 TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

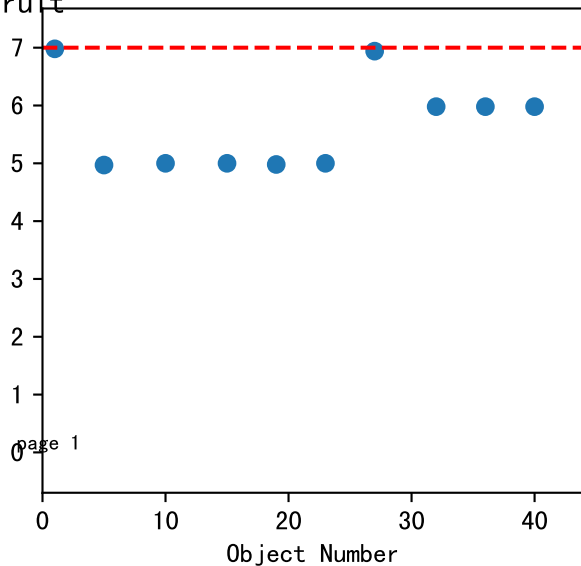
avg1=5.0~17% avg2=na

P3 TrimFruit

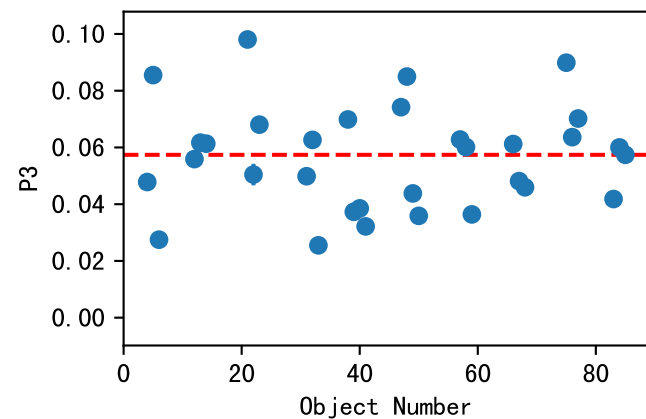


FruitNumMaxPerTruss (Def=na Set=7)

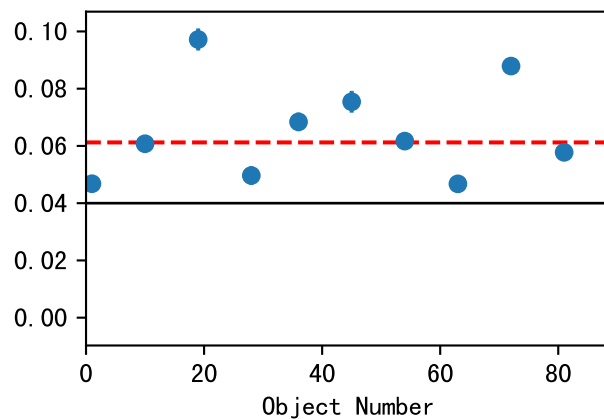
avg1=7.0~12% avg2=na



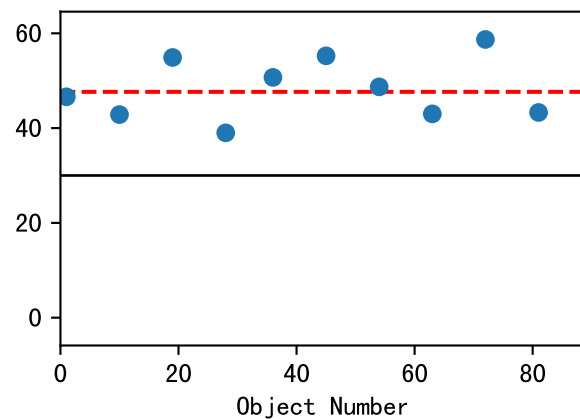
LfA_avgAbsY (Def=na Set=0.06)
avg1=0.06~29% avg2=na



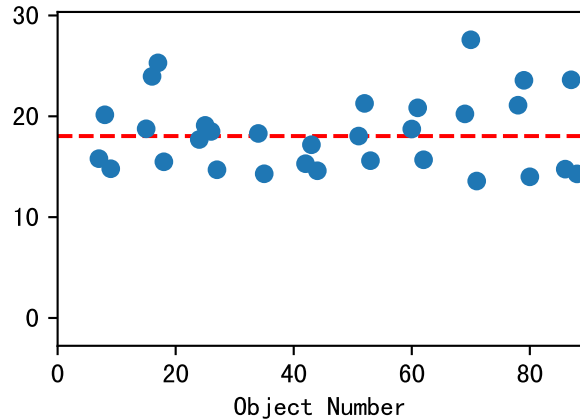
LfA_Q90AbsY (Def=0.04 Set=0.06)
avg1=0.06~28% avg2=na



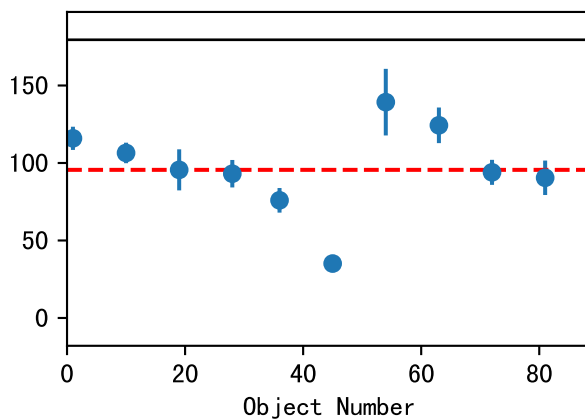
LfW_Q90AbsY (Def=30 Set=47.65)
avg1=47.65~14% avg2=na



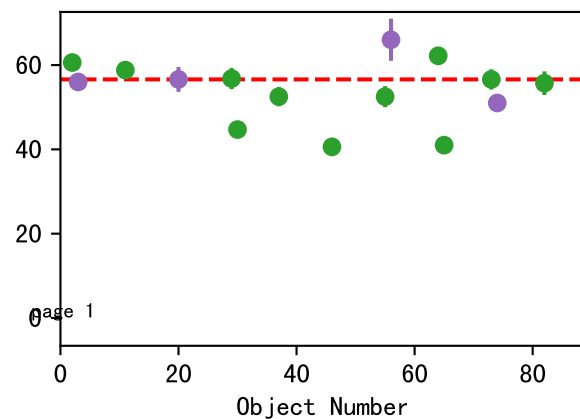
NdD_avgAbsY (Def=na Set=18.04)
avg1=18.04~21% avg2=na



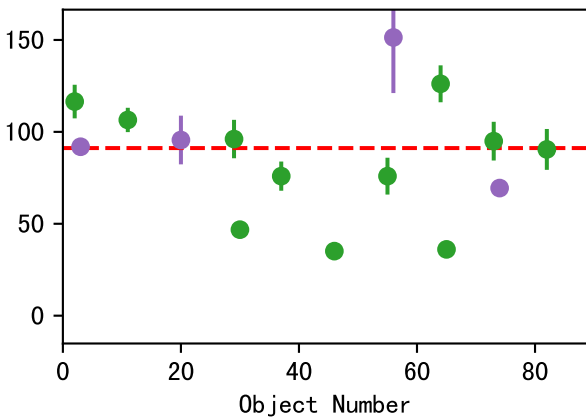
FrV_Q90AbsY (Def=179.5 Set=95.57)
avg1=95.57~20% avg2=na



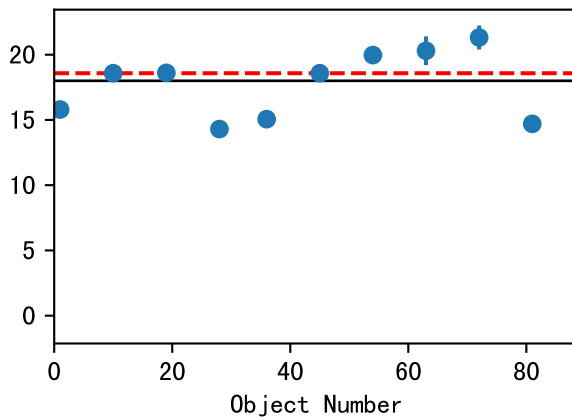
FrD_avgAbsY (Def=na Set=56.6)
avg1=56.6~9% avg2=na



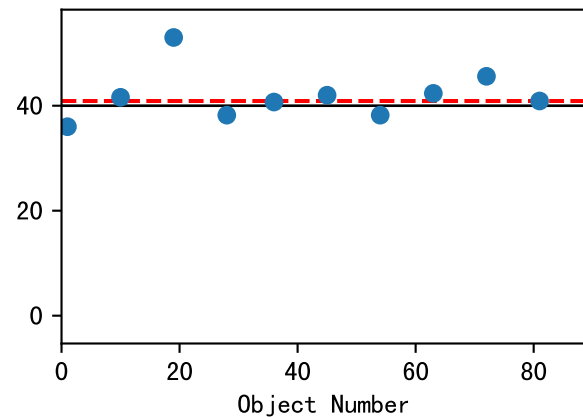
FrV_avgAbsY (Def=na Set=91.18)
avg1=91.18~31% avg2=na



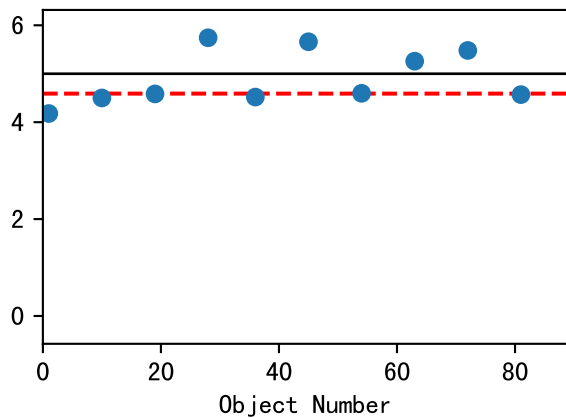
NdD_Q90AbsY (Def=18 Set=18.58)
avg1=18.58~5% avg2=na



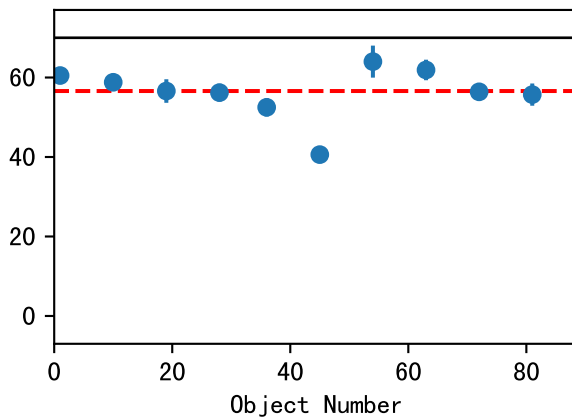
LfL_Q90AbsY (Def=40 Set=40.9)
avg1=40.9~7% avg2=na



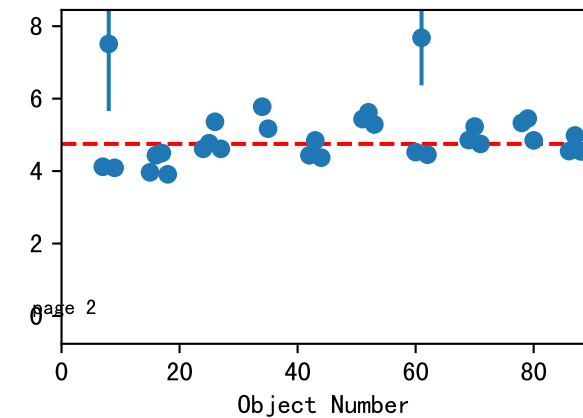
NdL_Q90AbsY (Def=5 Set=4.59)
avg1=4.59~12% avg2=na



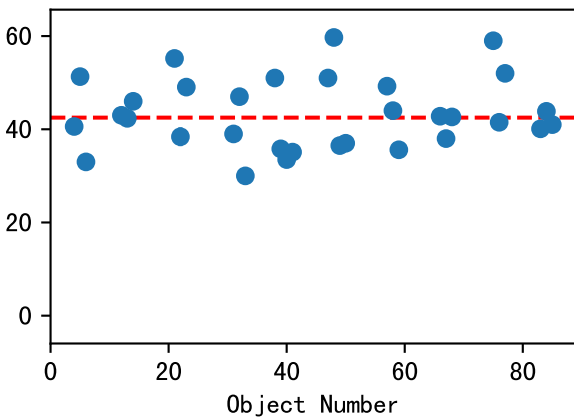
FrD_Q90AbsY (Def=70 Set=56.6)
avg1=56.6~6% avg2=na



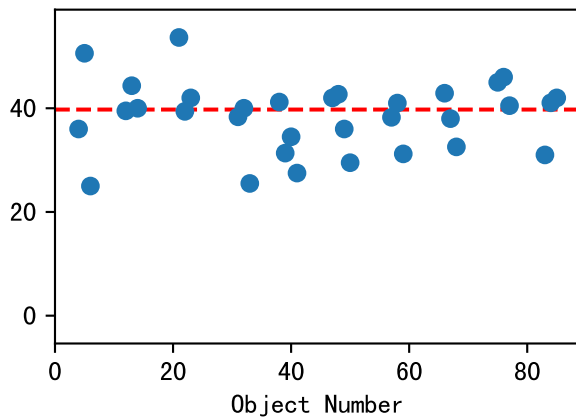
NdL_avgAbsY (Def=na Set=4.75)
avg1=4.75~11% avg2=na



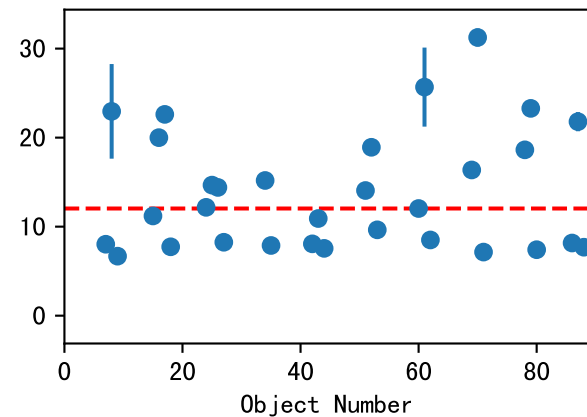
LfW_avgAbsY (Def=na Set=42.5)
 avg1=42.5~18% avg2=na



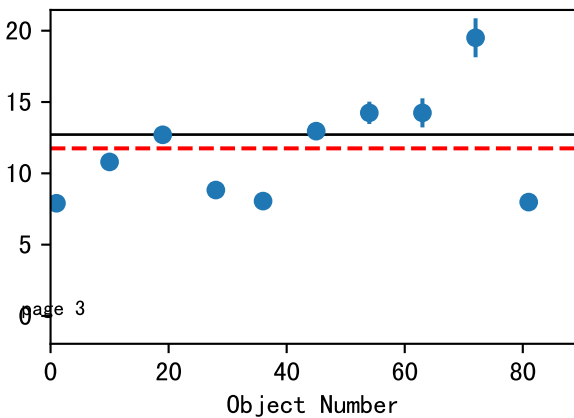
LfL_avgAbsY (Def=na Set=39.75)
 avg1=39.75~57% avg2=na



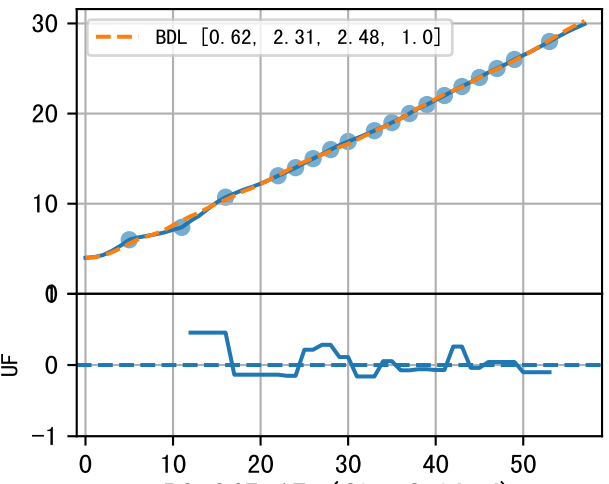
NdV_avgAbsY (Def=na Set=12.04)
 avg1=12.04~55% avg2=na



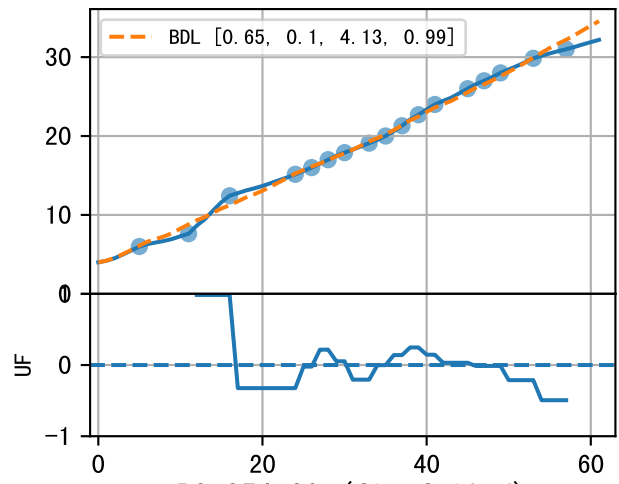
NdV_Q90AbsY (Def=12.72 Set=11.75)
 avg1=11.75~32% avg2=na



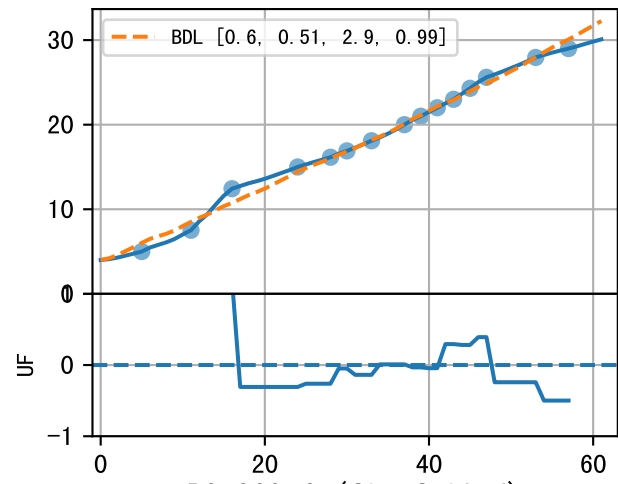
P3-009-13 (fit failed)



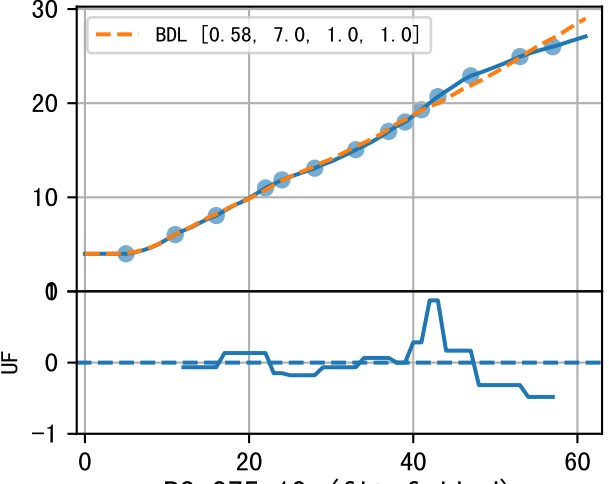
P3-021-19 (fit failed)



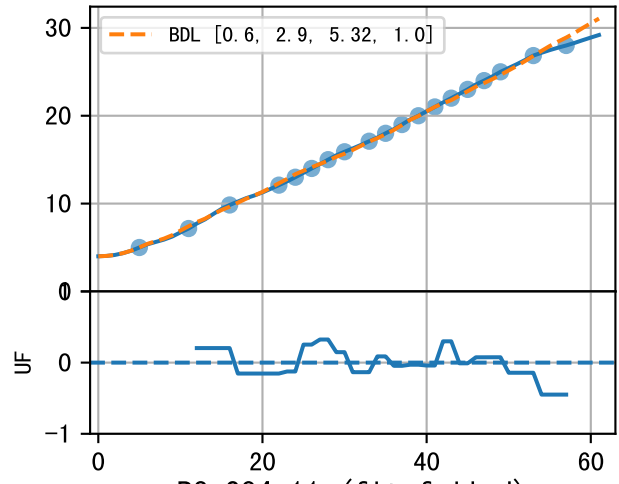
P3-034-5 (fit failed)



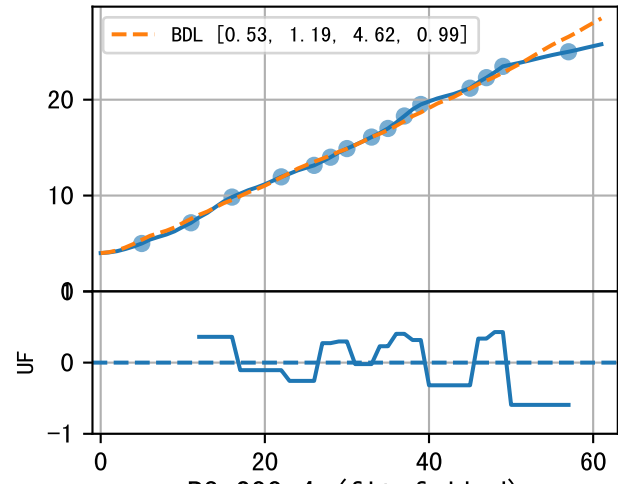
P3-045-17 (fit failed)



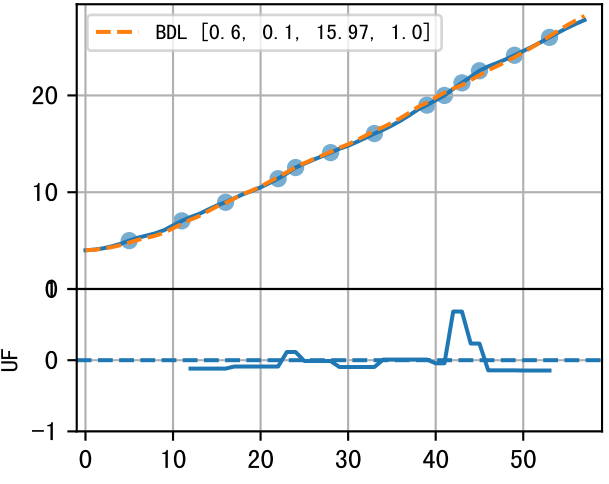
P3-054-28 (fit failed)



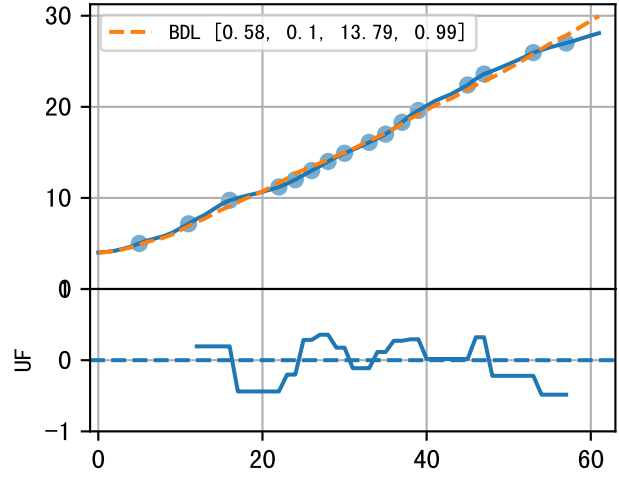
P3-068-4 (fit failed)



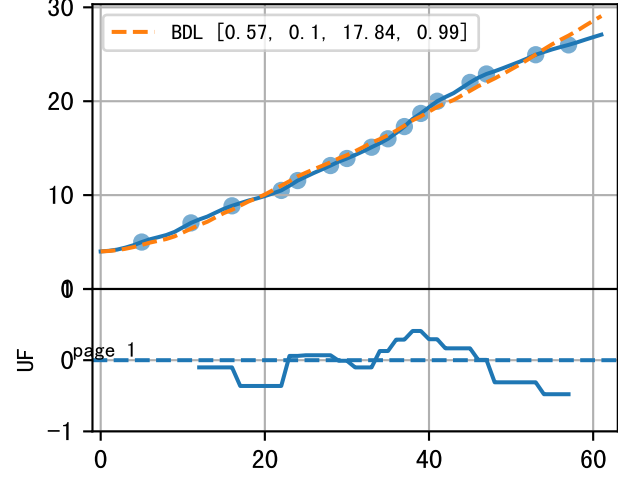
P3-075-19 (fit failed)



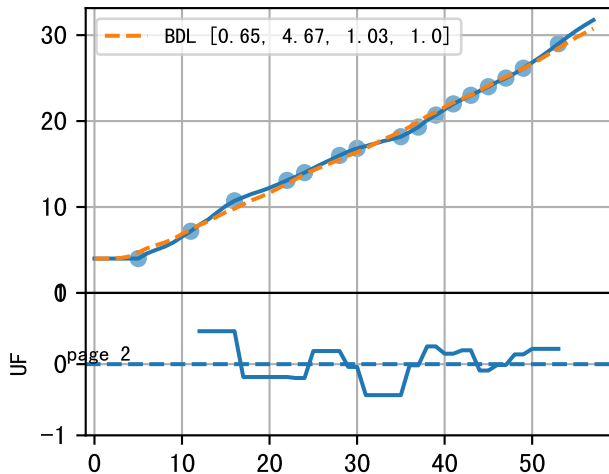
P3-084-11 (fit failed)



P3-099-4 (fit failed)



P3-110-23 (fit failed)



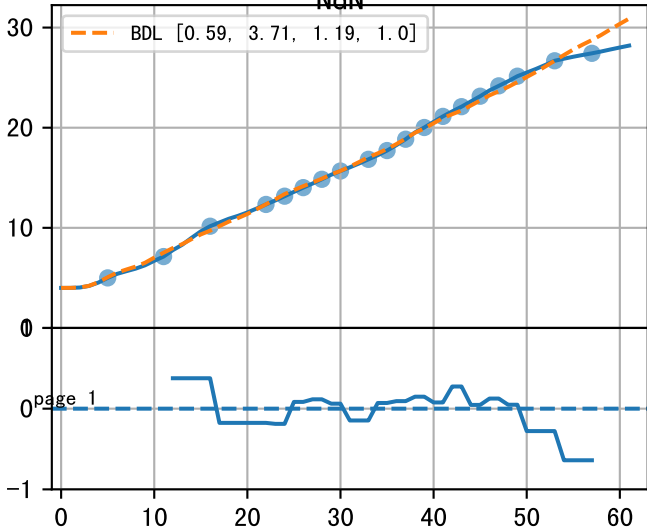
P3avg (fit failed)

NdN

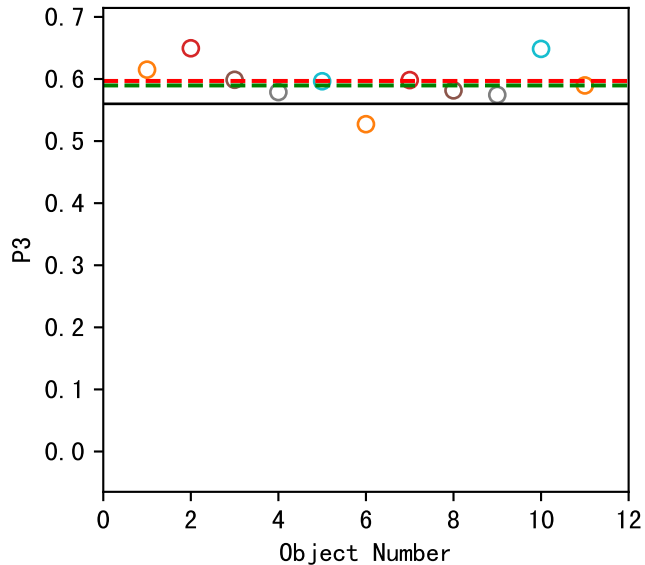
BDL [0.59, 3.71, 1.19, 1.0]

UF

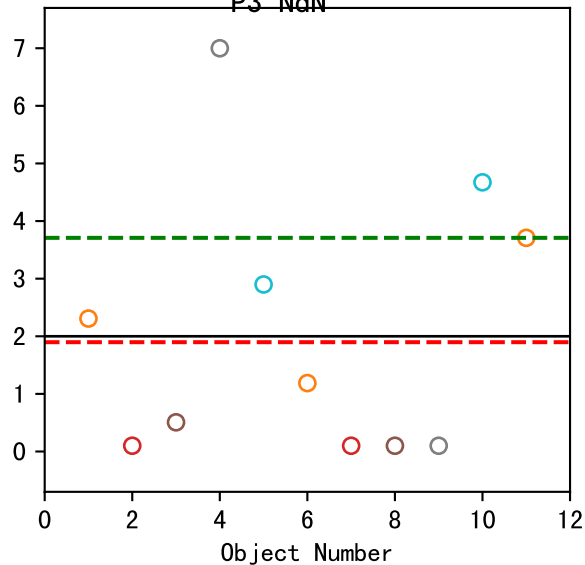
page 1



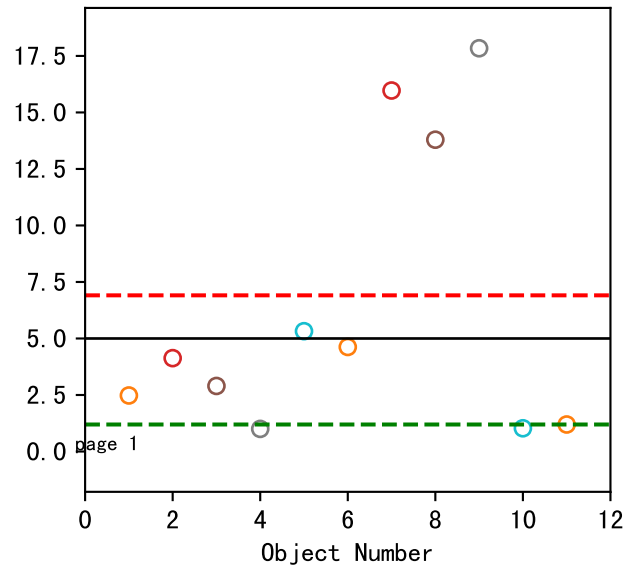
a (Def=0.56 Set=0.59)
avg1=0.6(fail) avg2=0.59



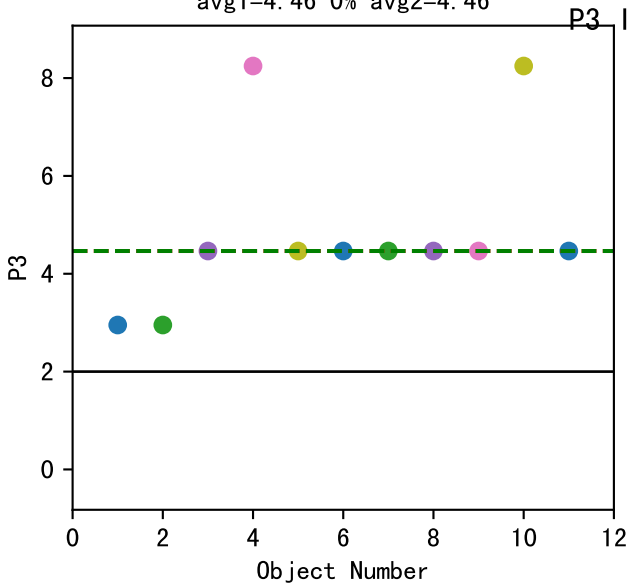
dm (Def=2 Set=3.71)
avg1=1.9(fail) avg2=3.71



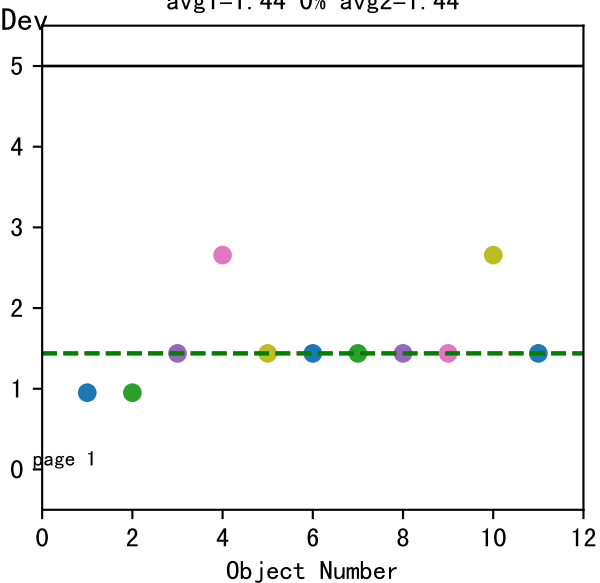
de (Def=5 Set=1.19)
avg1=6.91(fail) avg2=1.19



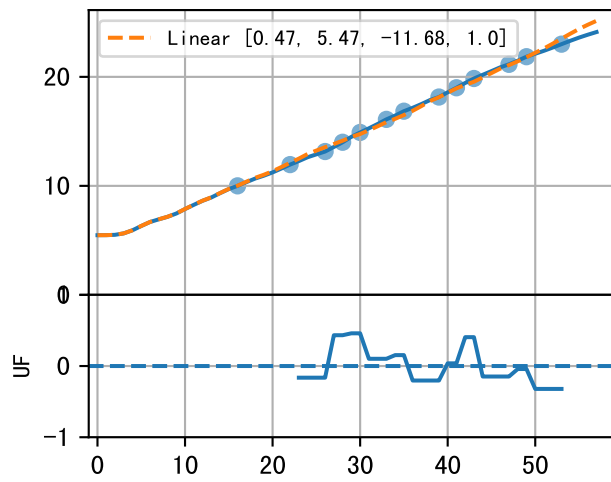
InitDev_dm (Def=2 Set=4.46)
avg1=4.46~0% avg2=4.46



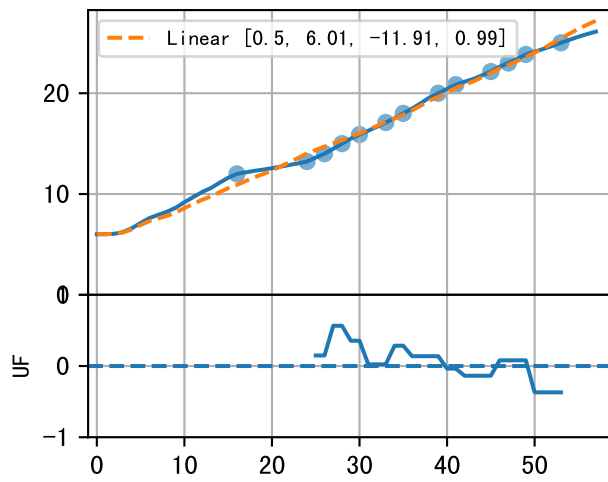
InitDev_de (Def=5 Set=1.44)
avg1=1.44~0% avg2=1.44



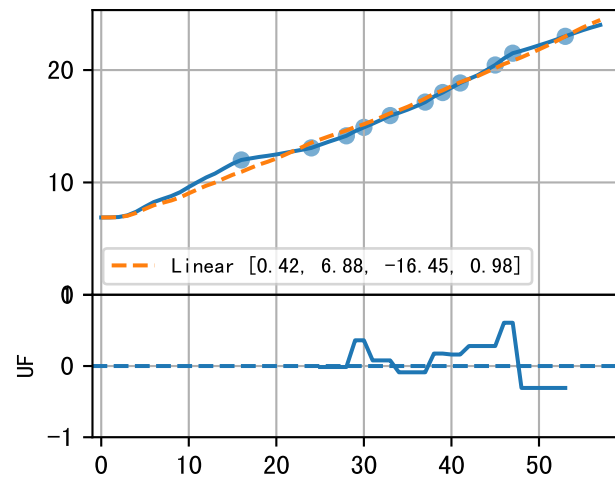
P3-009-13



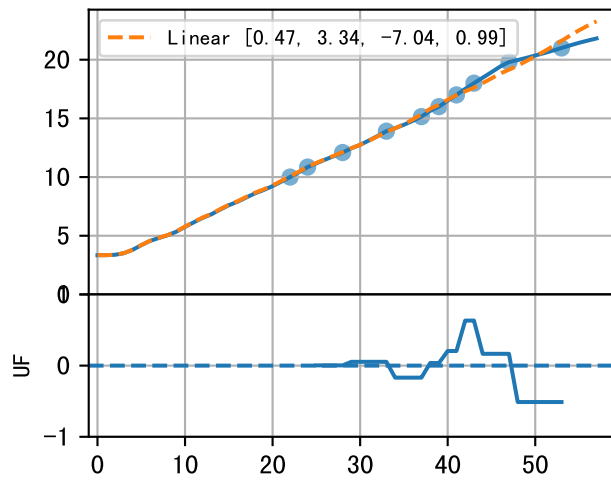
P3-021-19



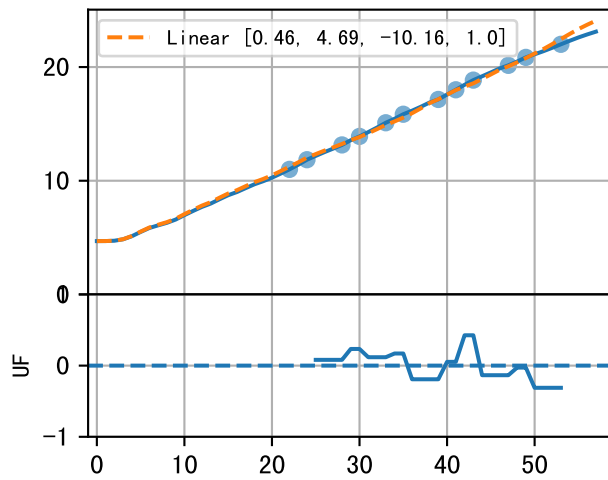
P3-034-5



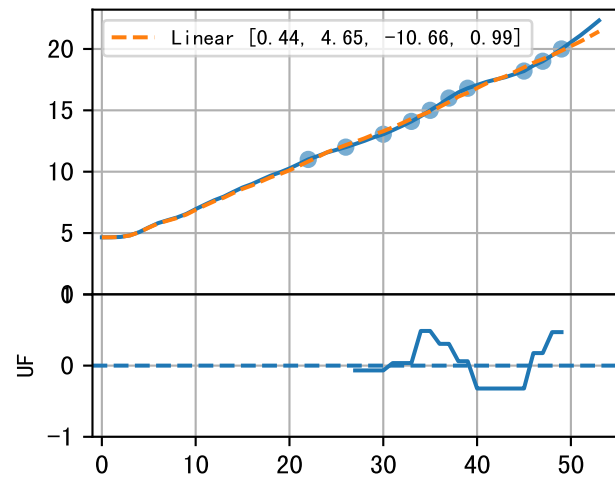
P3-045-17



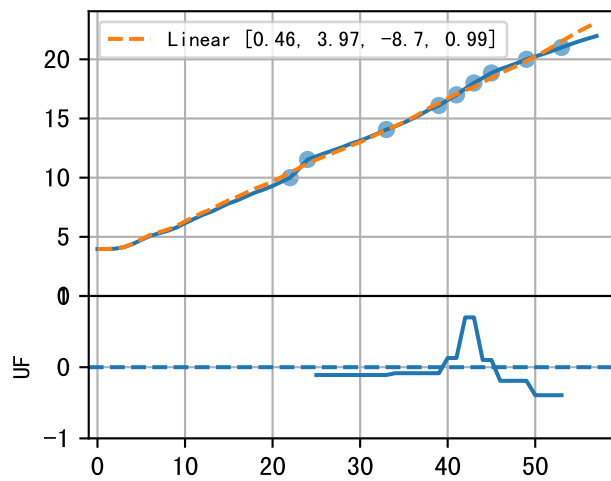
P3-054-28



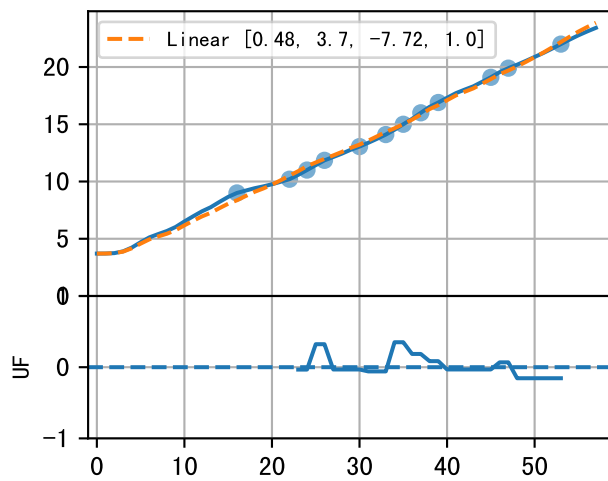
P3-068-4



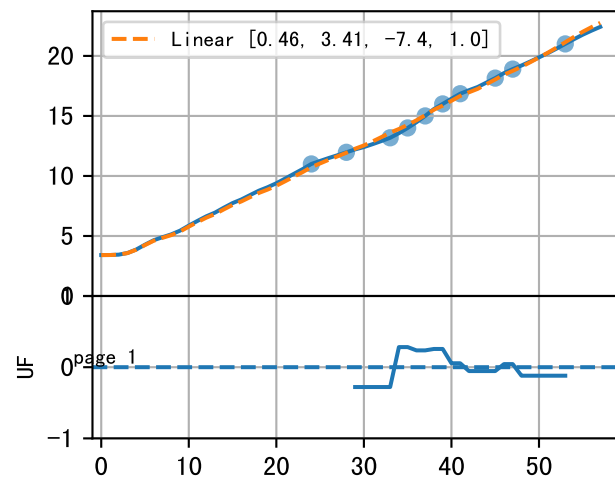
P3-075-19



P3-084-11

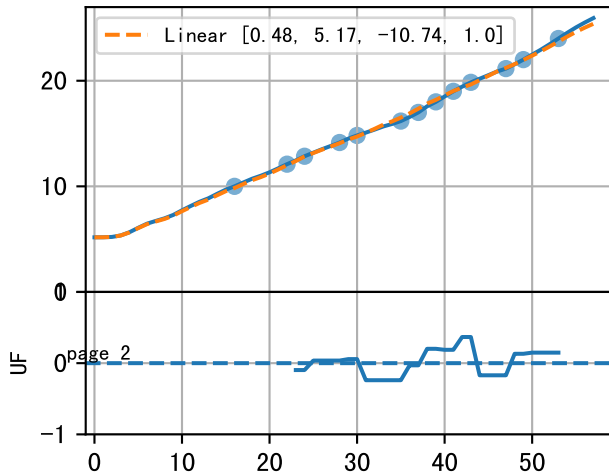


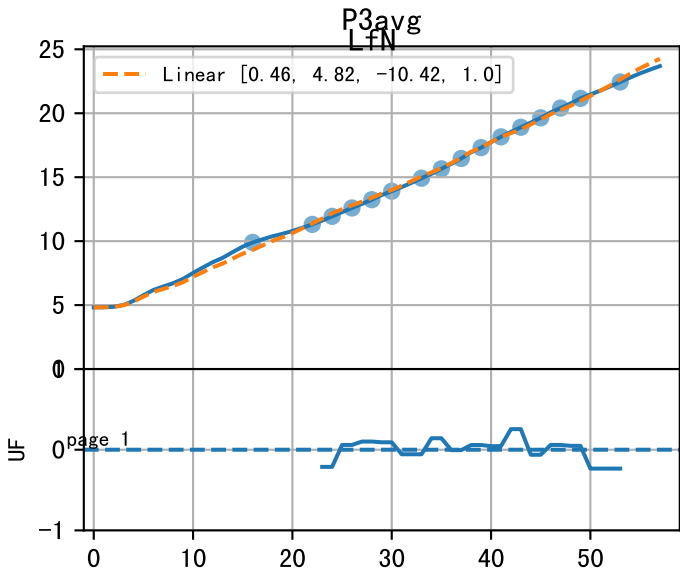
P3-099-4



P3-110-23

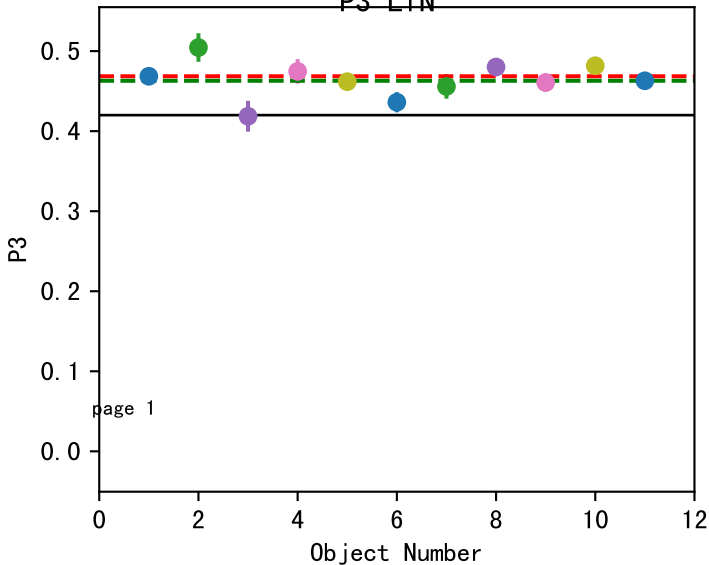
LfN



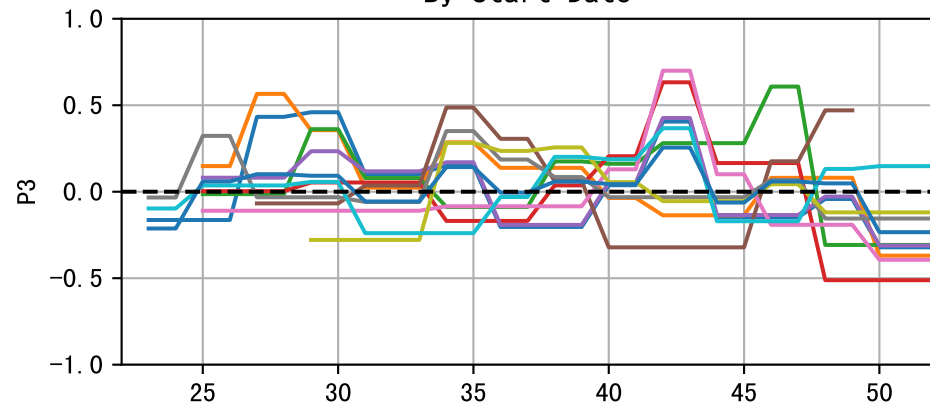


a (Def=0.42 Set=0.46)
avg1=0.47^{~4%} avg2=0.46^{~5%}

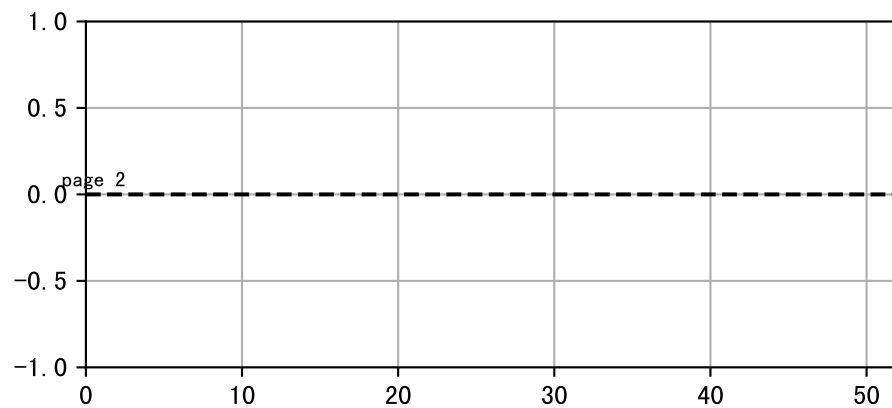
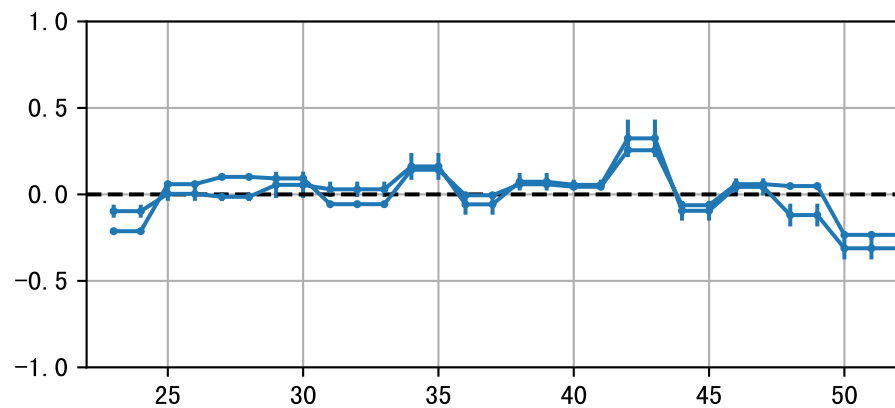
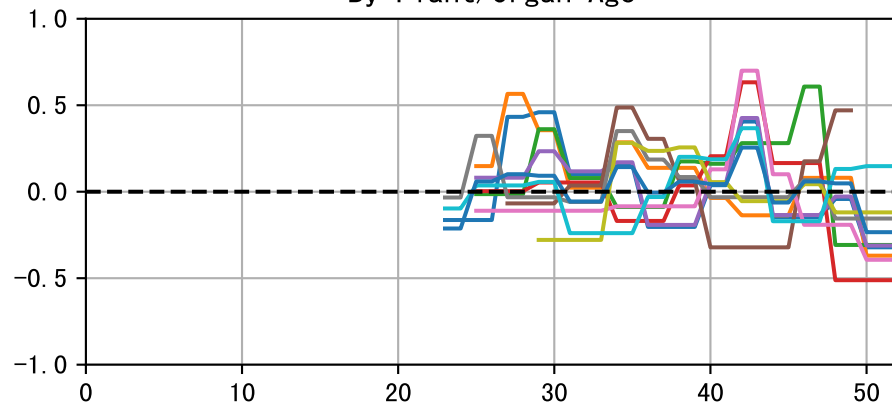
P3 LFN



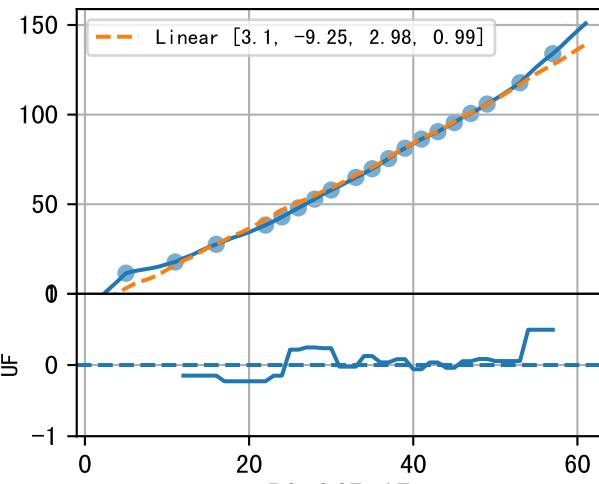
By Start Date



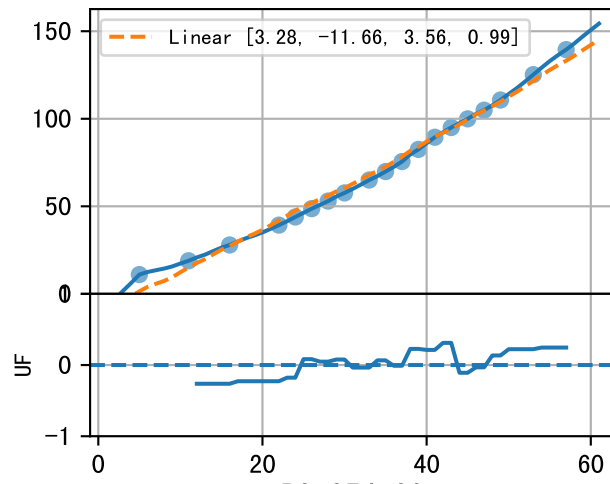
By Plant/Organ Age



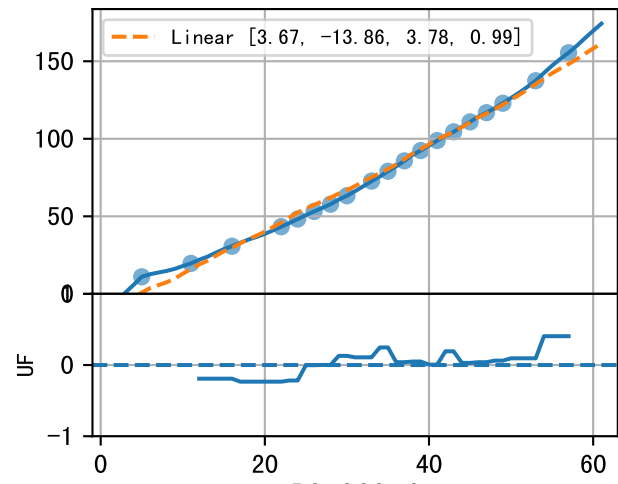
P3-009-13



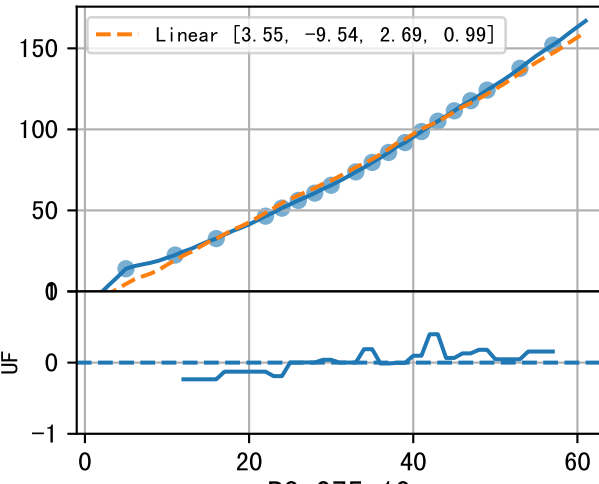
P3-021-19



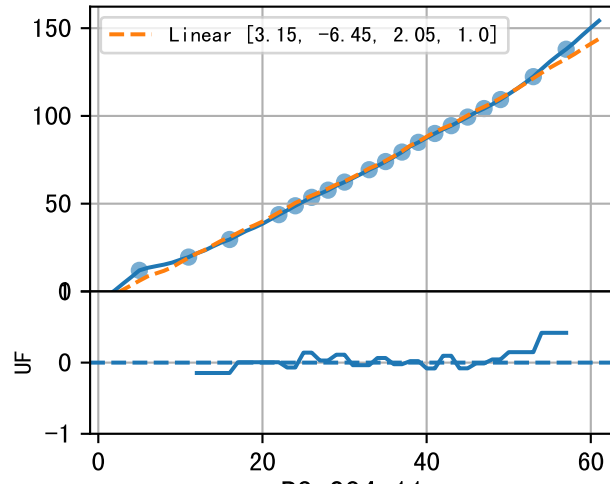
P3-034-5



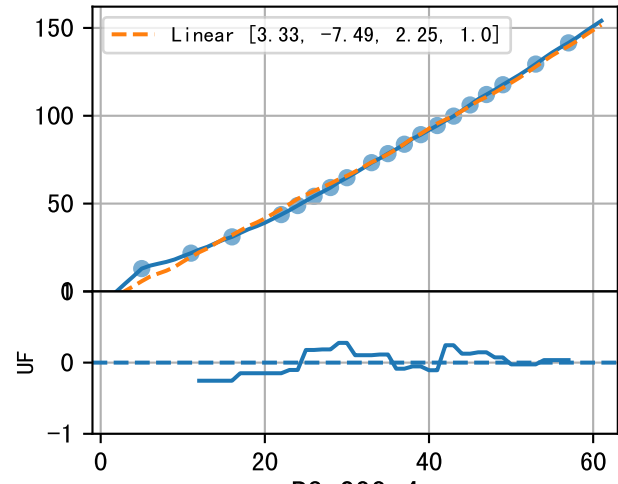
P3-045-17



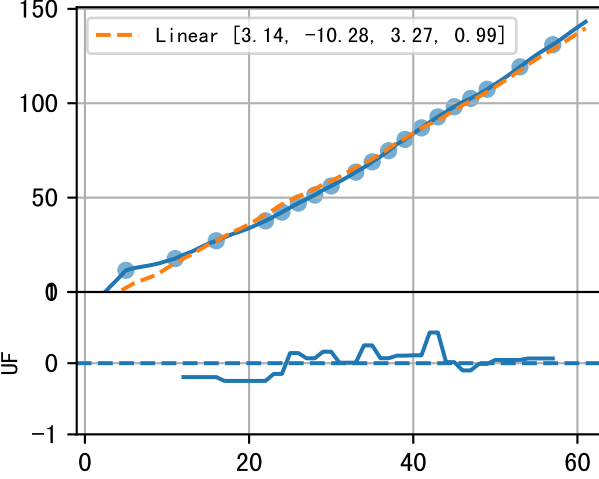
P3-054-28



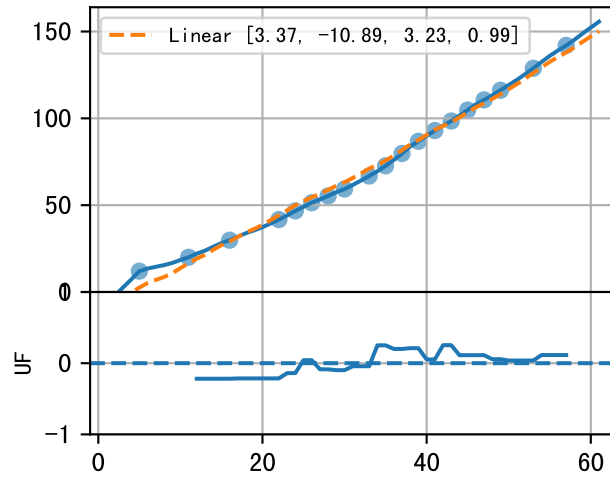
P3-068-4



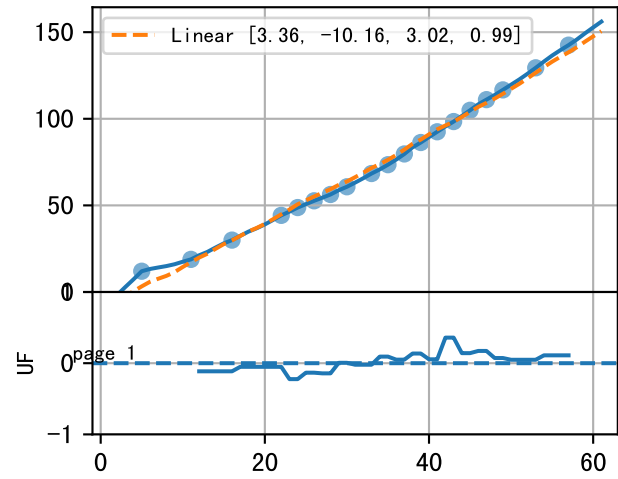
P3-075-19



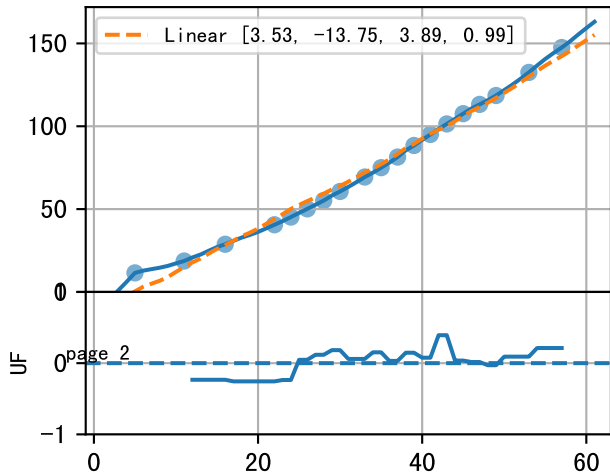
P3-084-11



P3-099-4

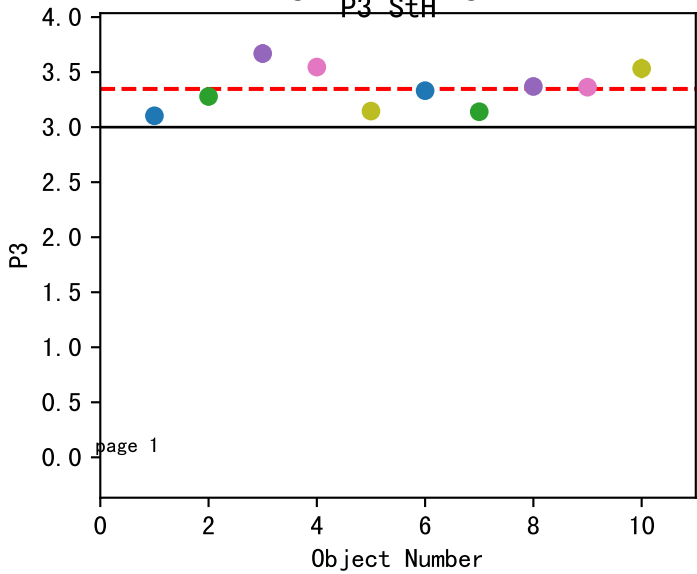


P3-110-23



a (Def=3 Set=3.35)
avg1=3.35~6% avg2=na

P3 StH



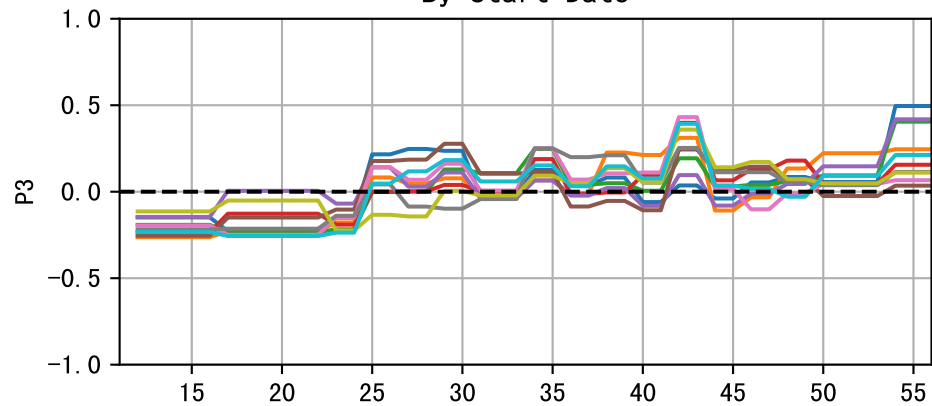
0 2 4 6 8 10

Object Number

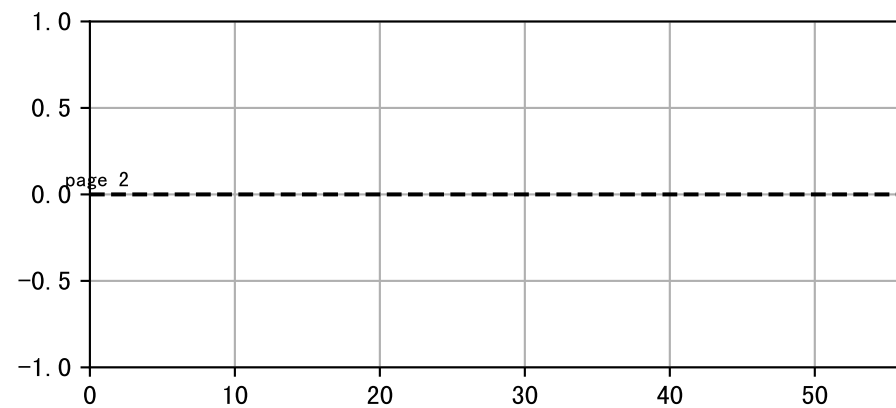
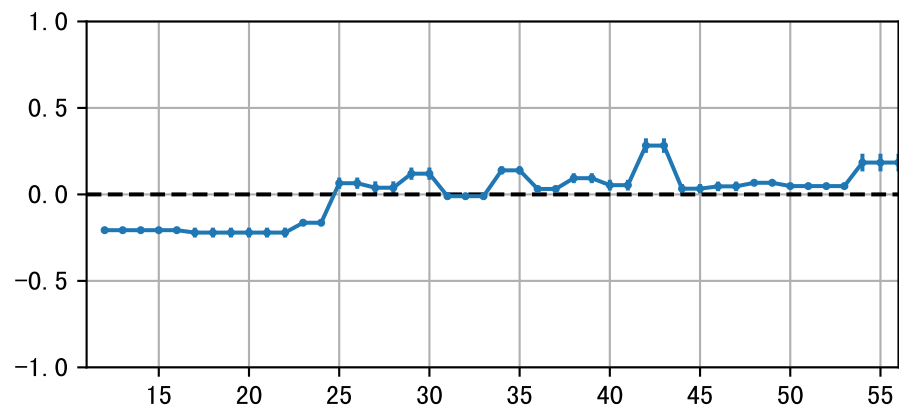
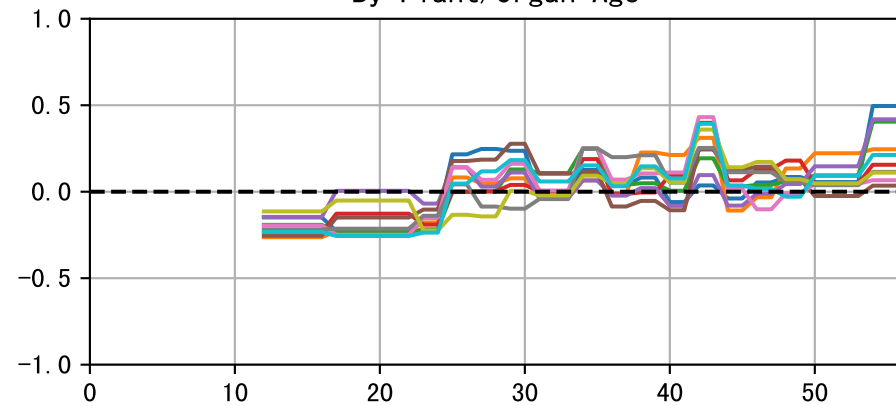
P3

page 1

By Start Date

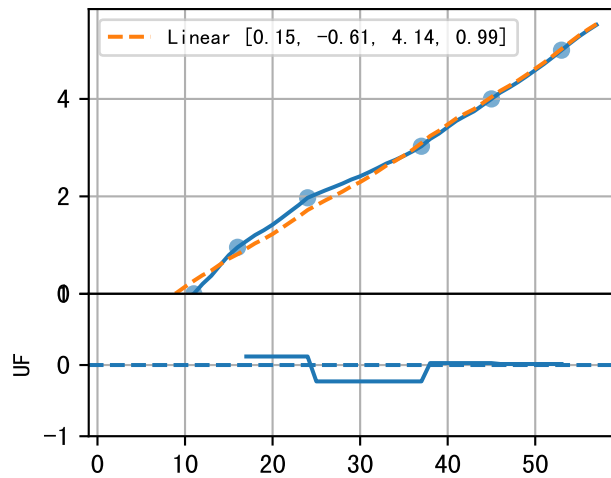


By Plant/Organ Age

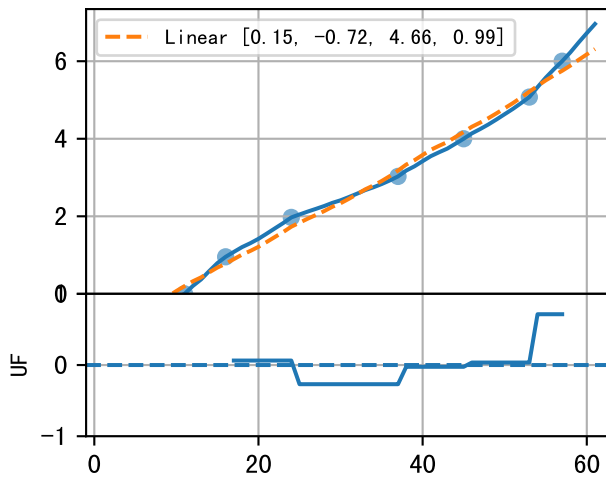


T_{SN}

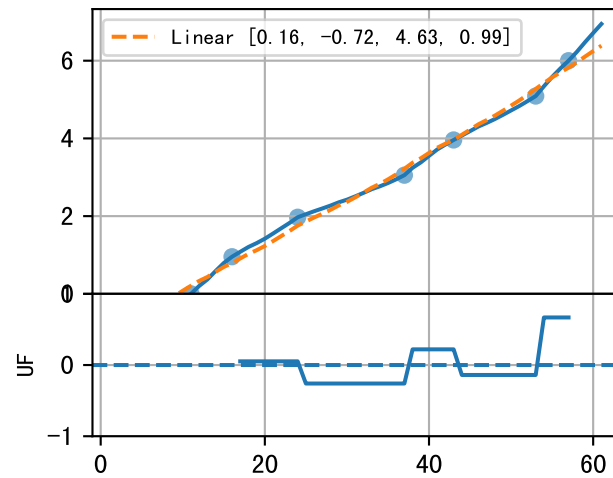
P3-009-13



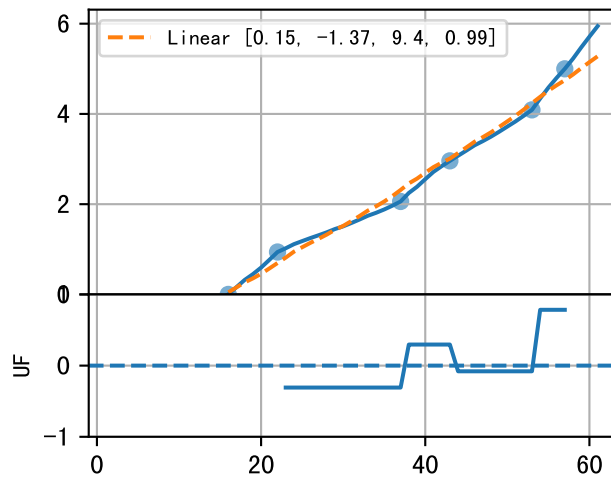
P3-021-19



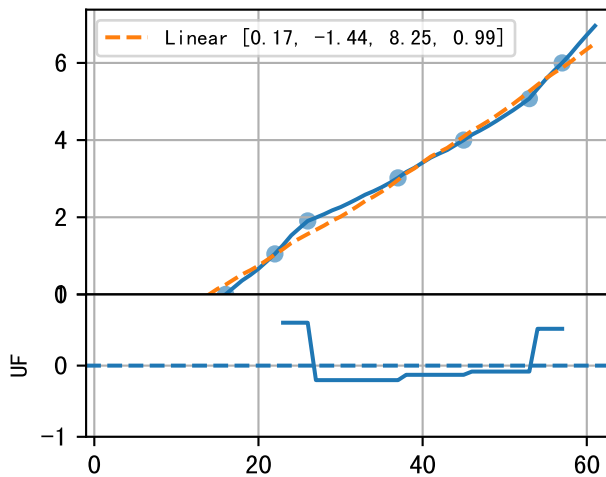
P3-034-5



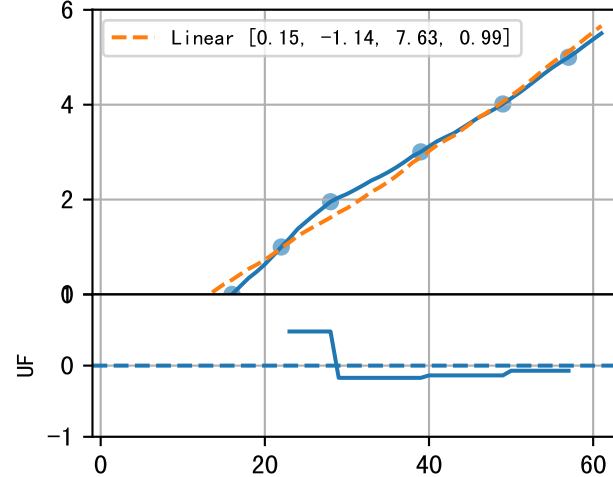
P3-045-17



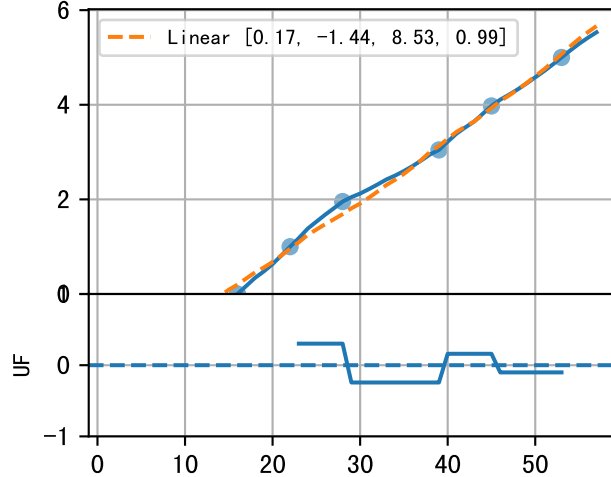
P3-054-28



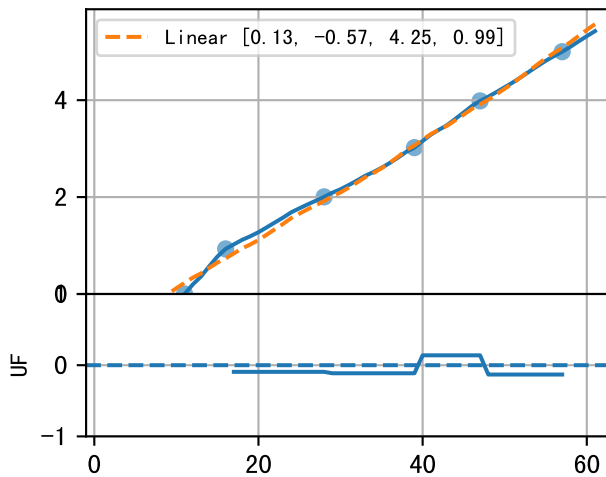
P3-068-4



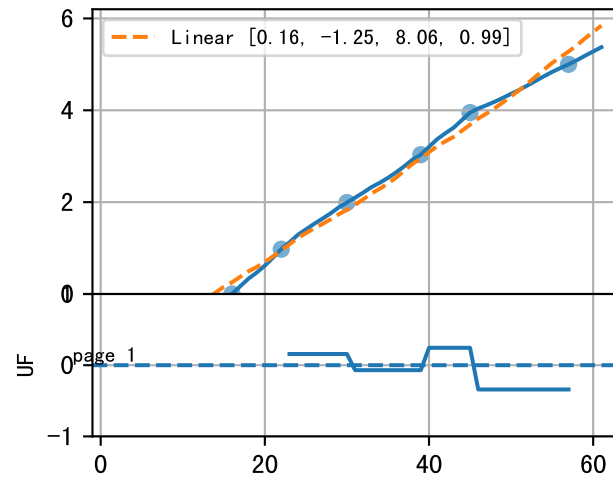
P3-075-19



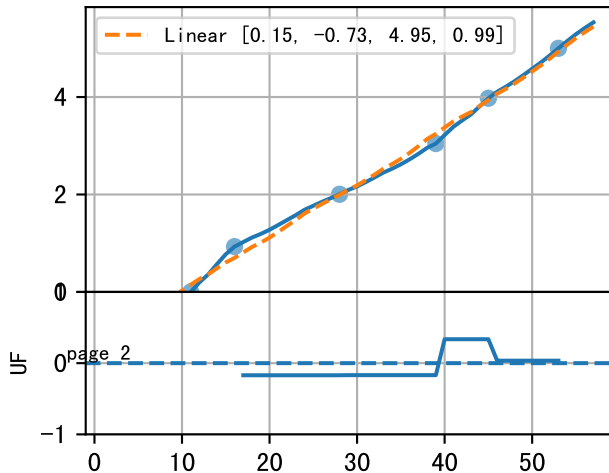
P3-084-11

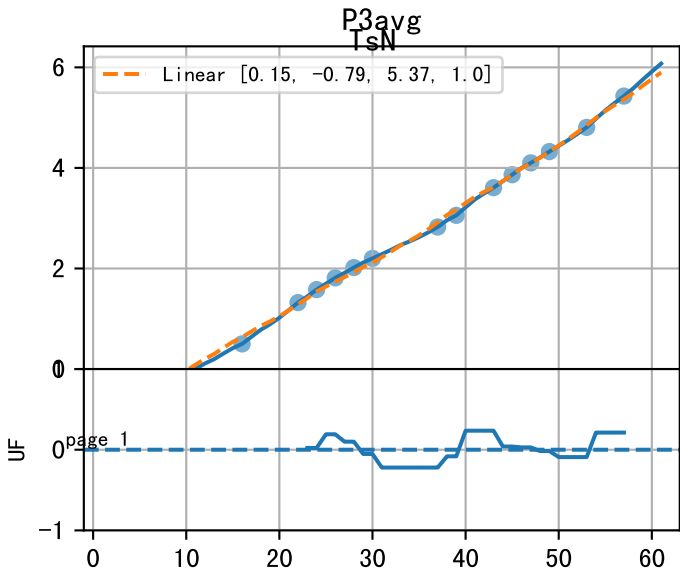


P3-099-4

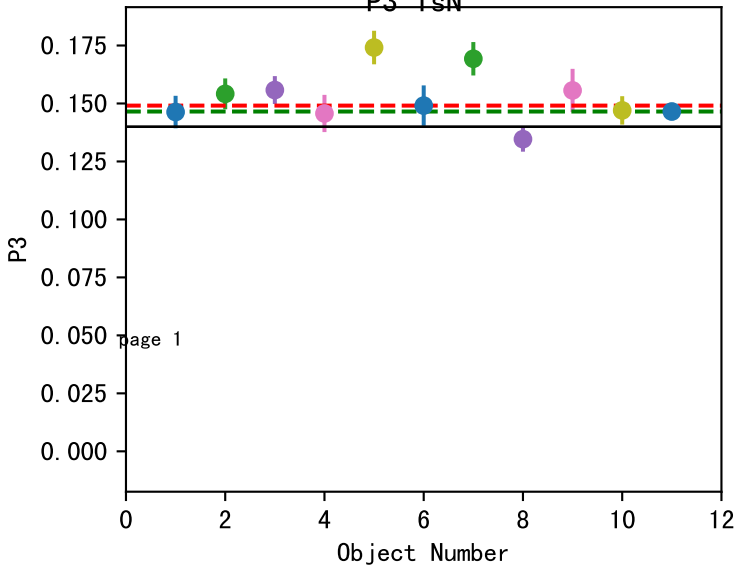


P3-110-23

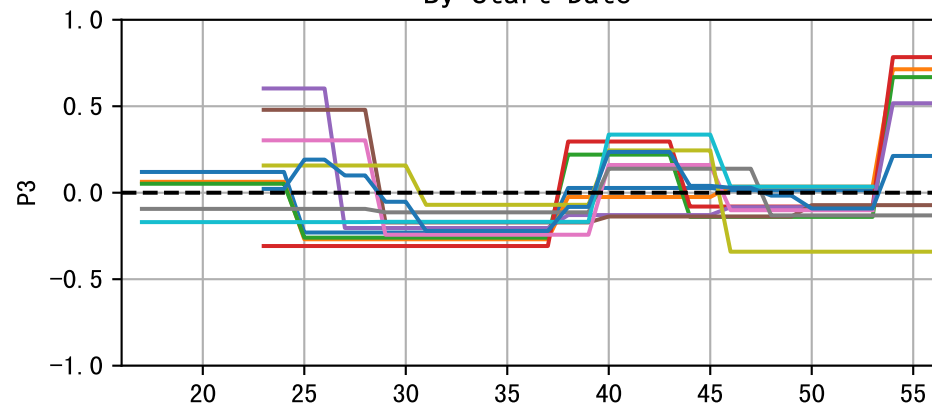




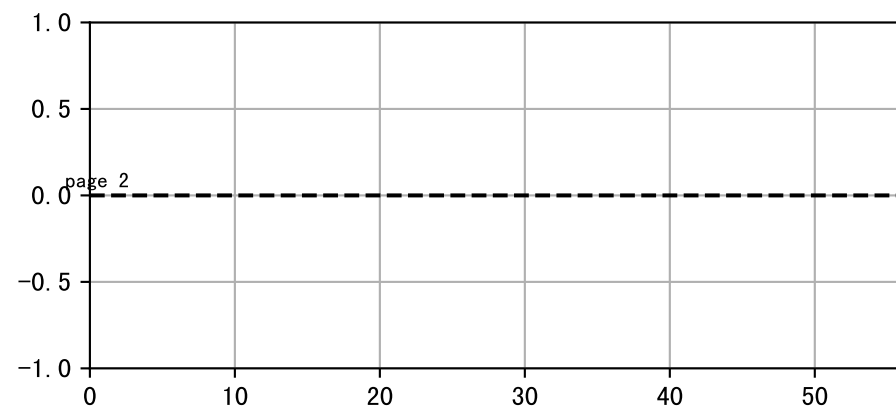
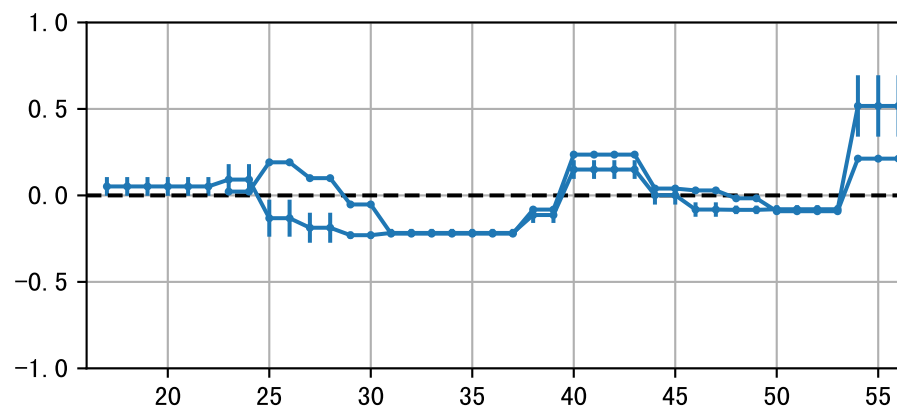
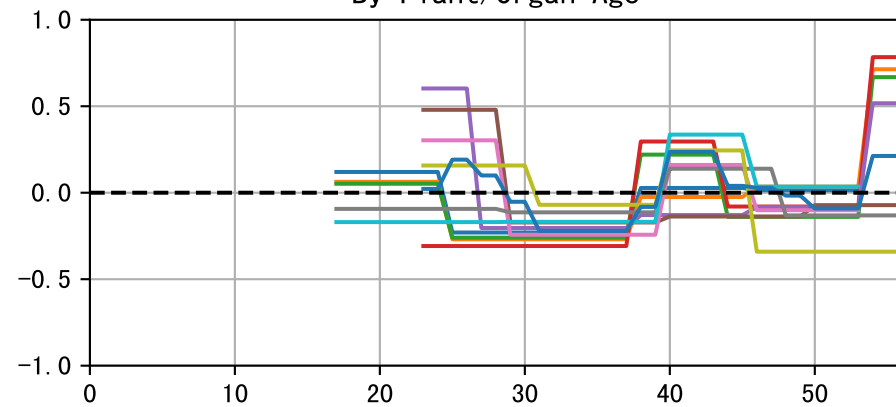
a (Def=0.14 Set=0.15)
avg1=0.15^{~6%} avg2=0.15^{~5%}
P3 TSN



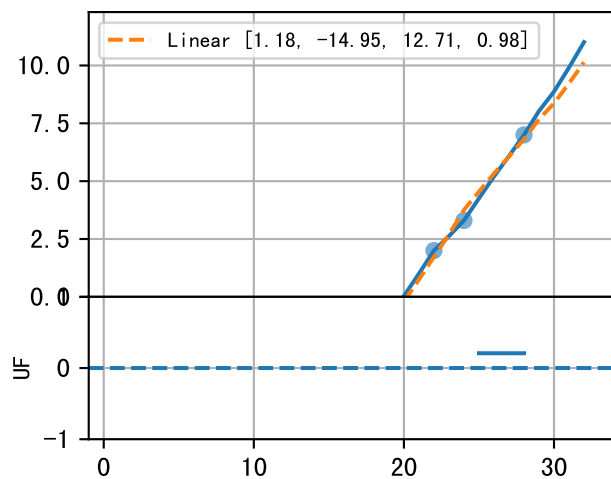
By Start Date



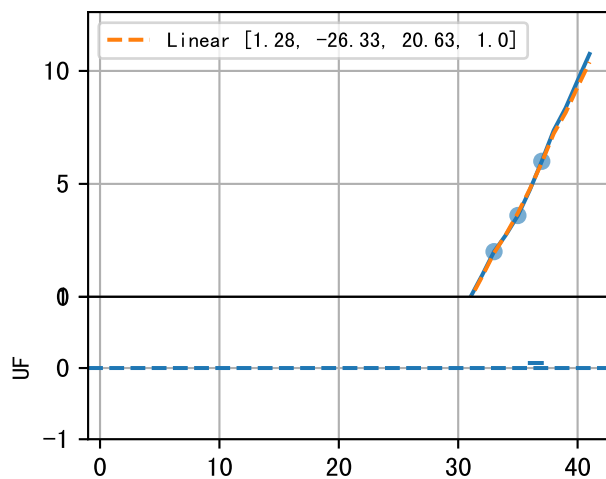
By Plant/Organ Age



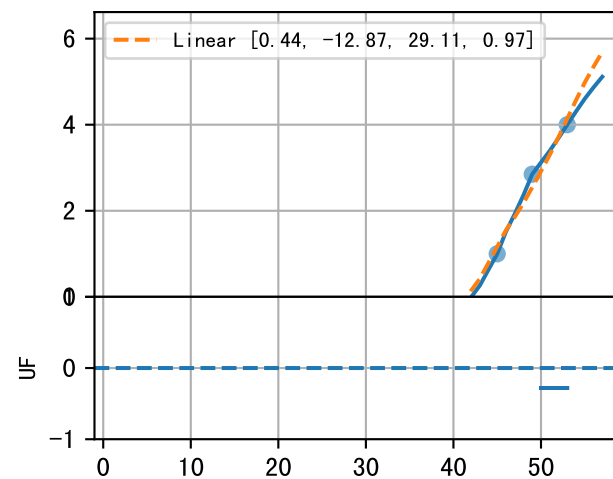
P3-009-13T1



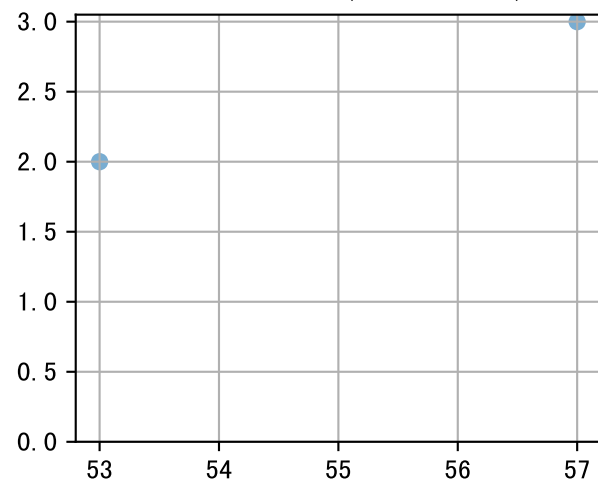
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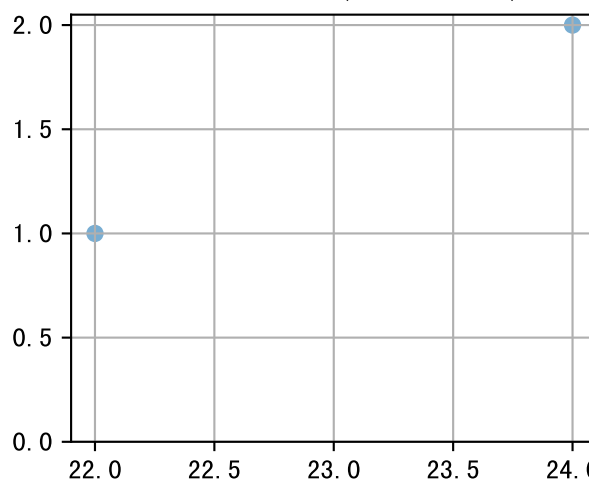
P3-009-13T3



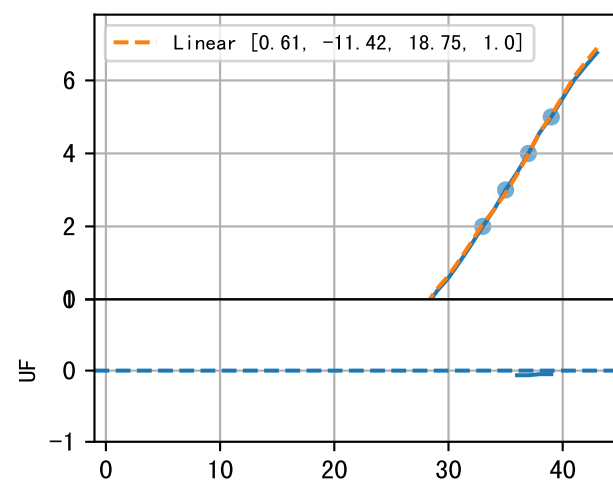
P3-009-13T4 (fit failed)



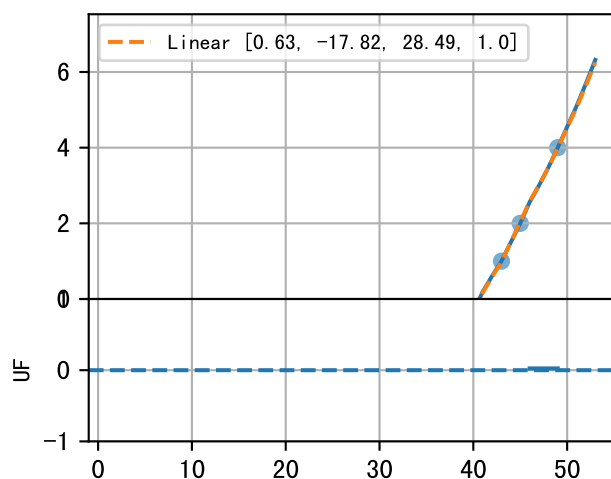
P3-021-19T1 (fit failed)



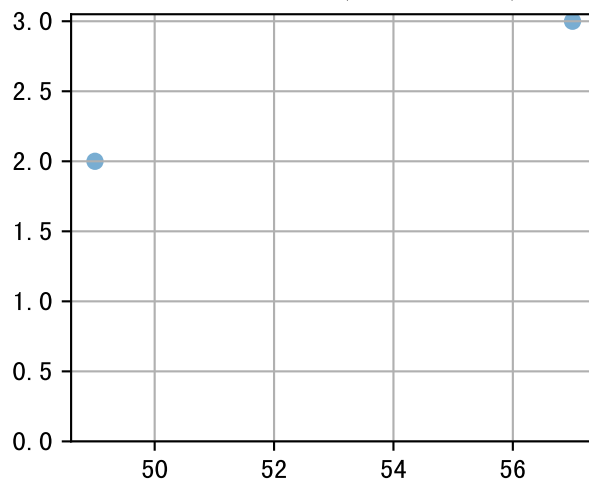
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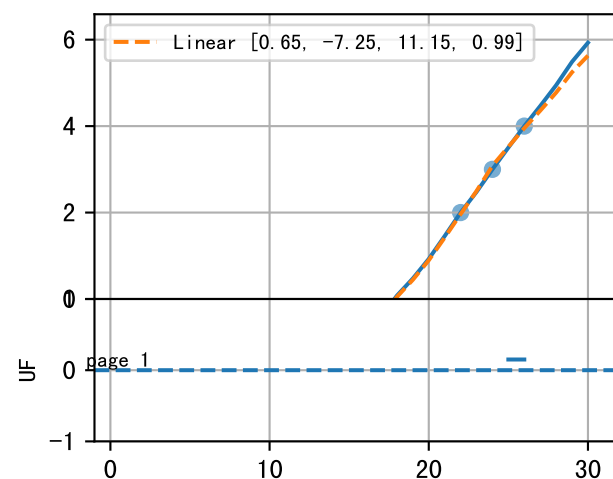
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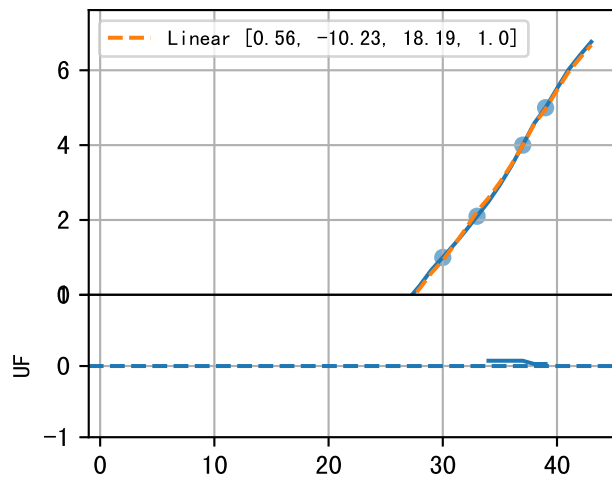
P3-021-19T4 (fit failed)



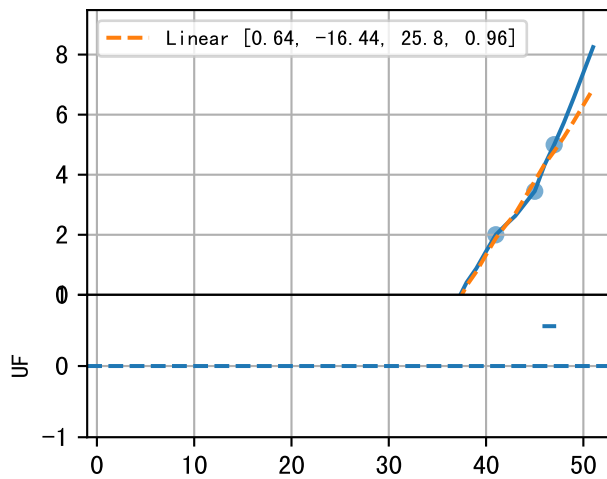
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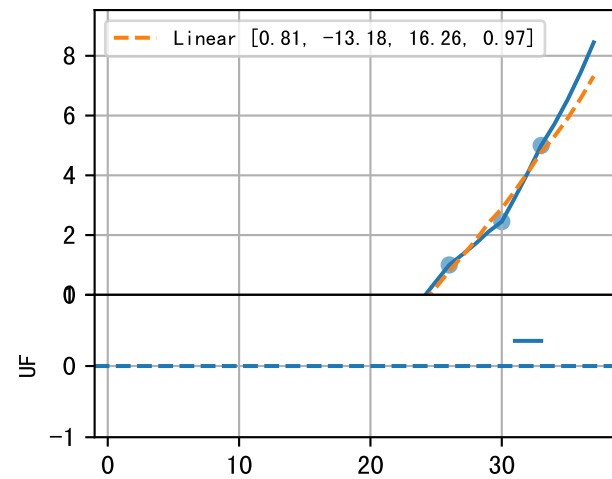
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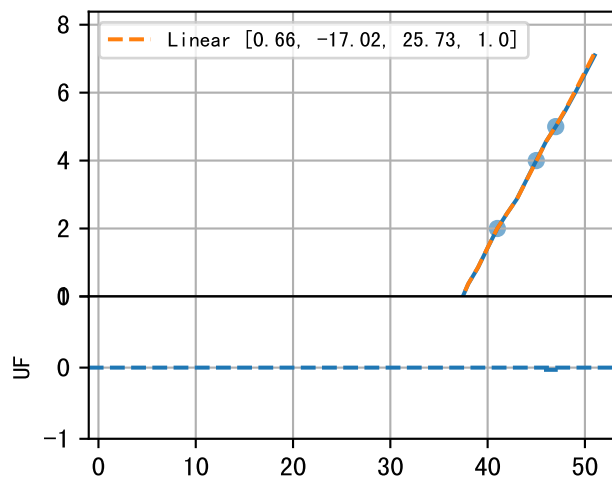
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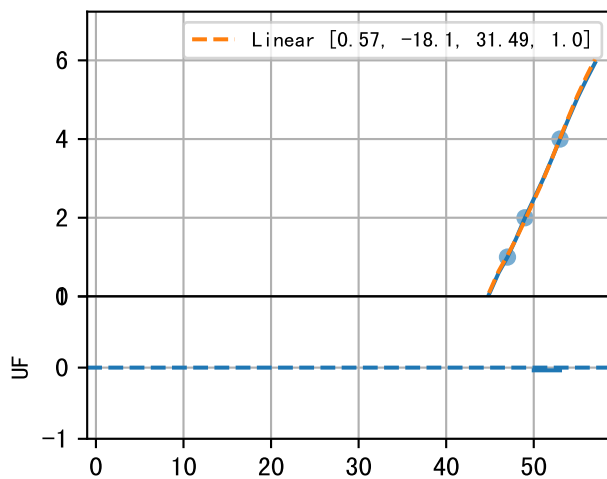
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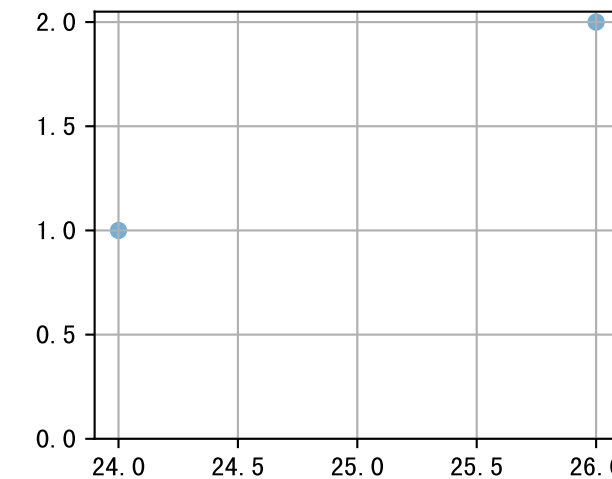
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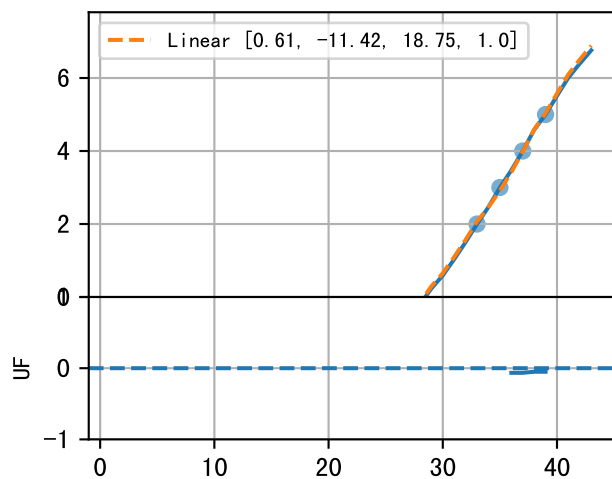
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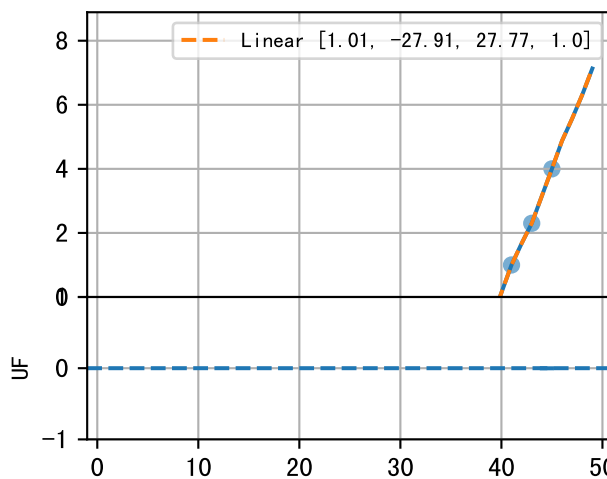
P3-054-28T1 (fit failed)



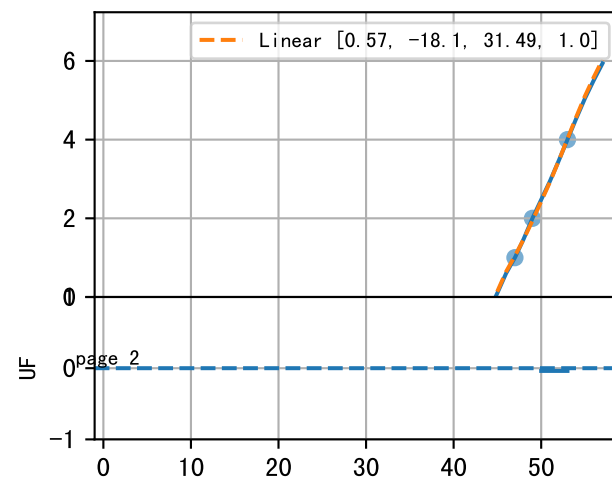
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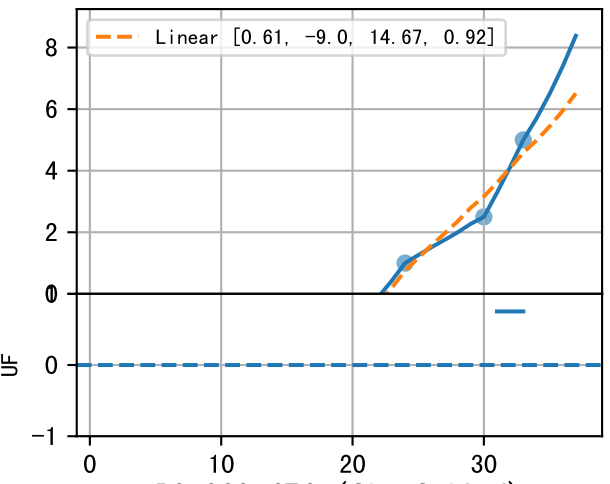
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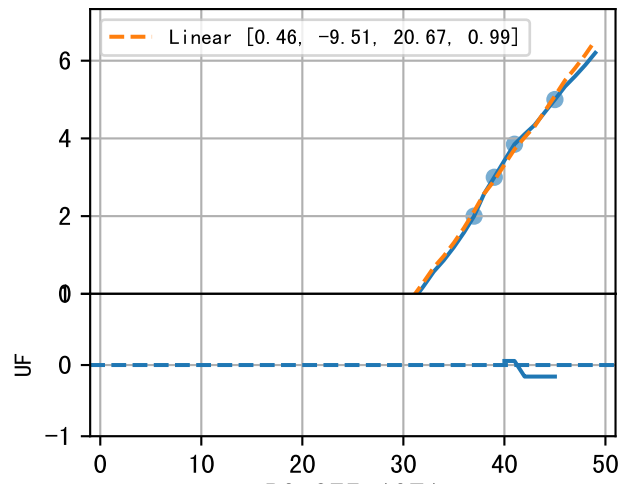
P3-054-28T4



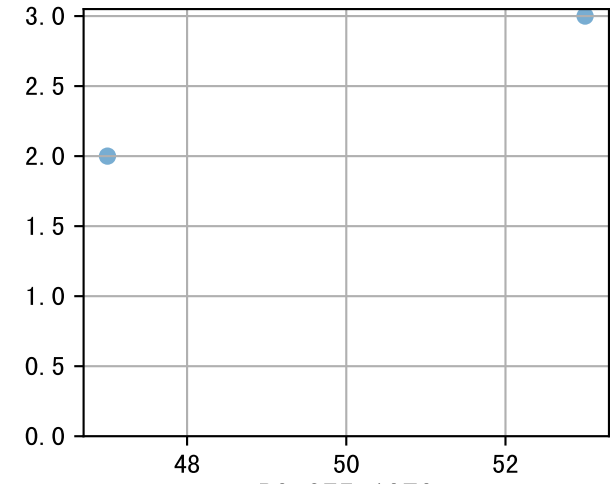
P3-068-4T1



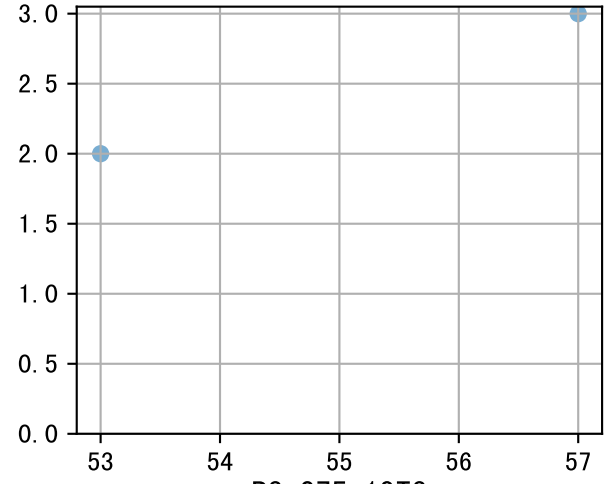
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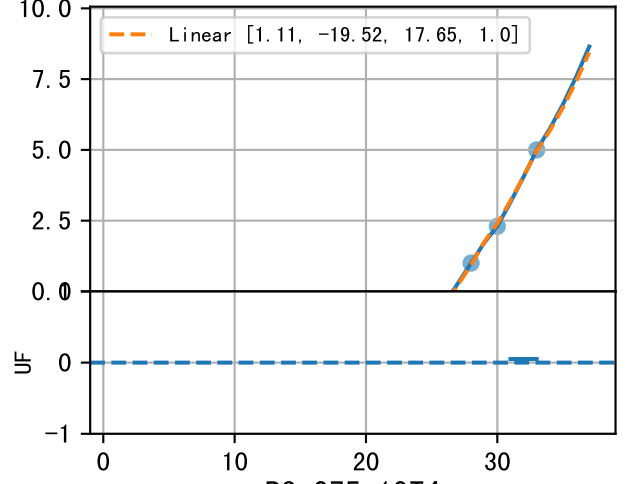
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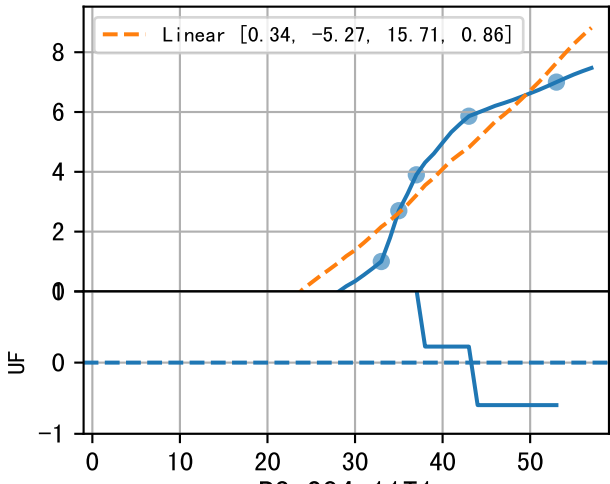
P3-068-4T4 (fit failed)



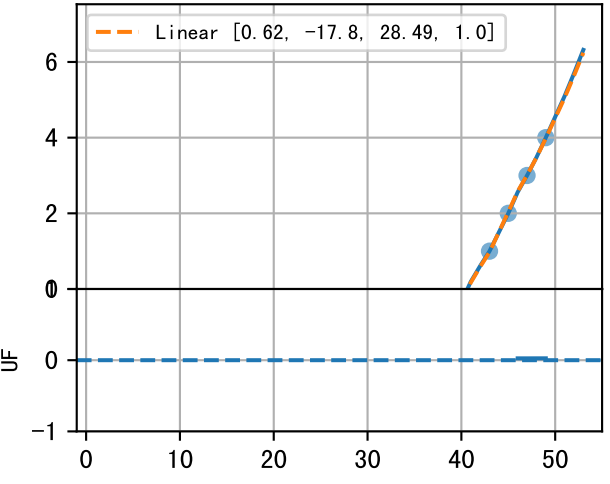
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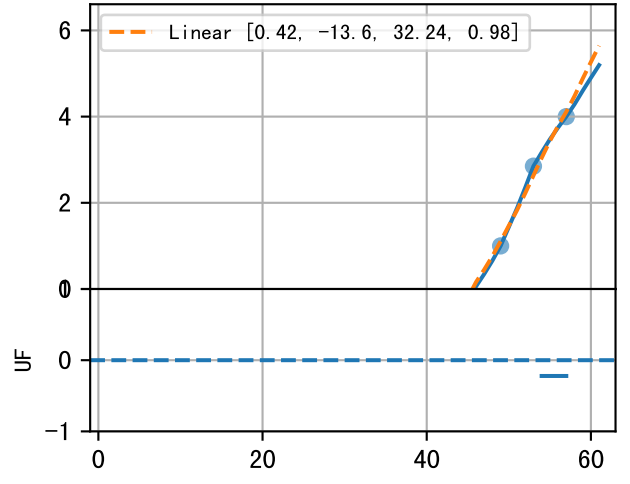
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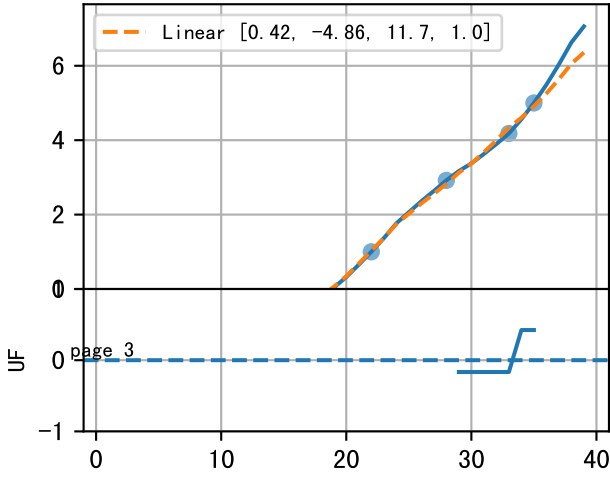
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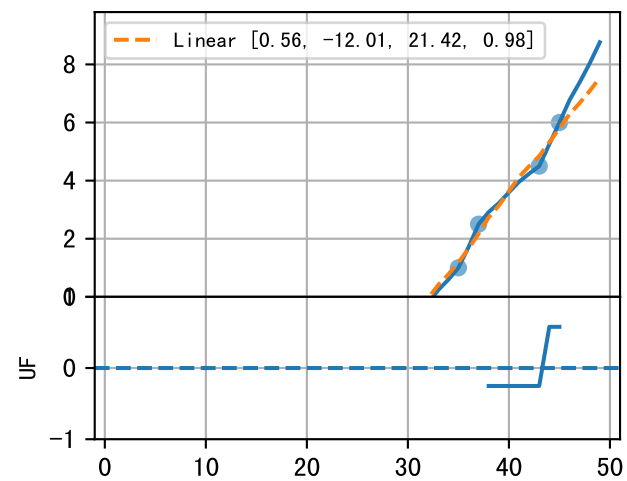
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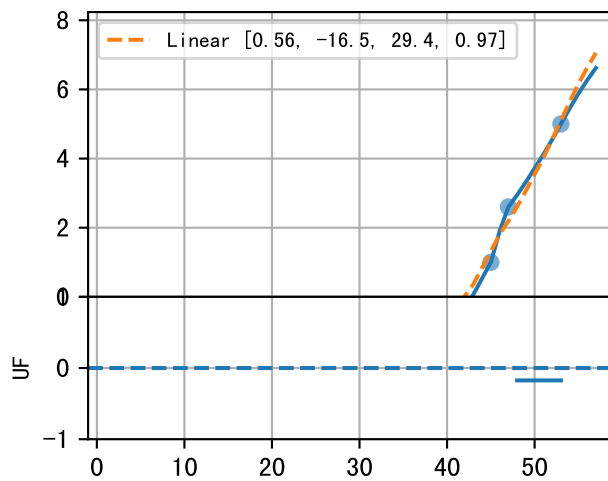
P3-084-11T1



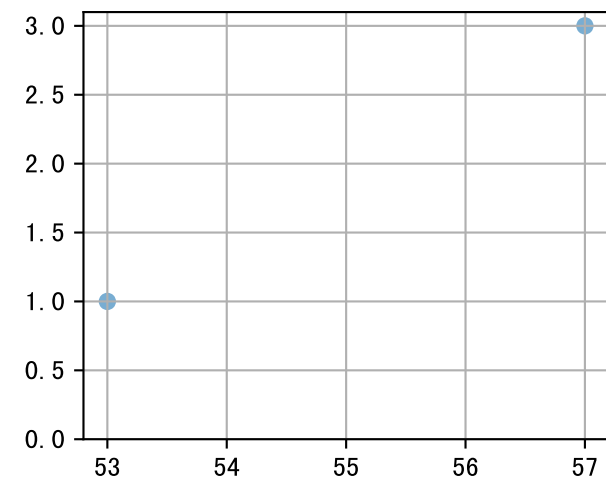
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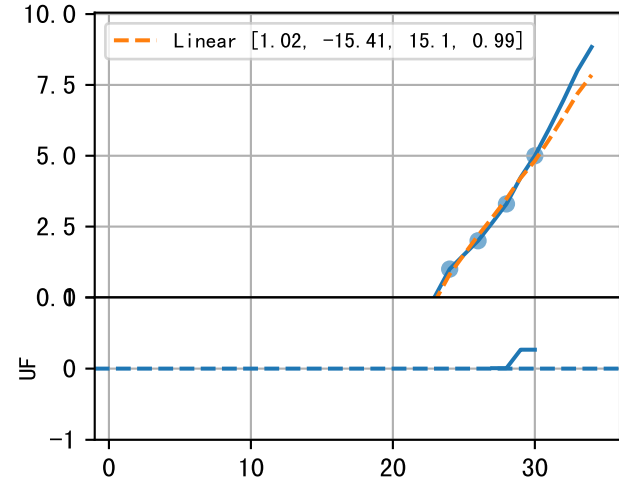
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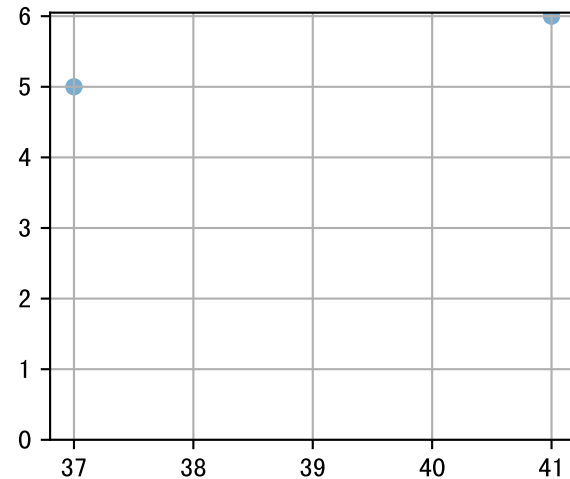
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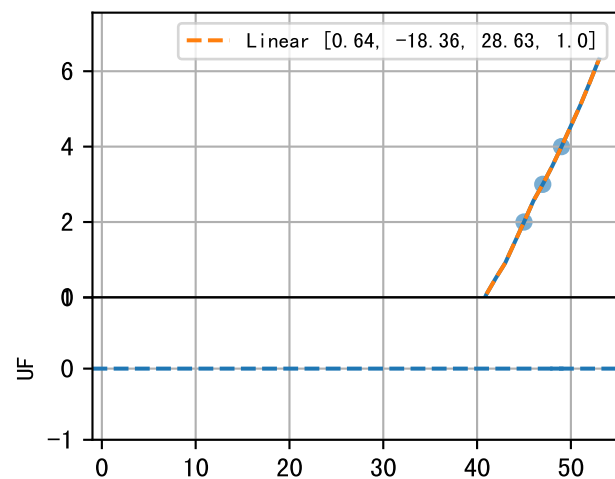
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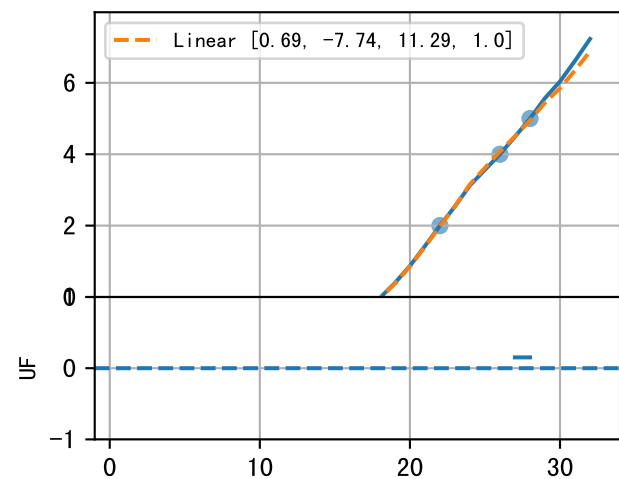
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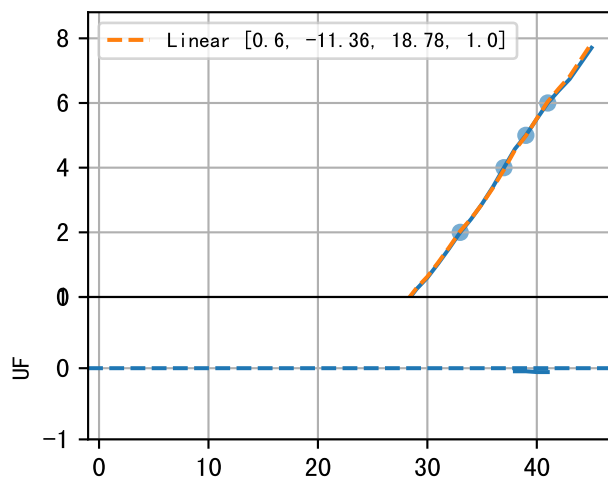
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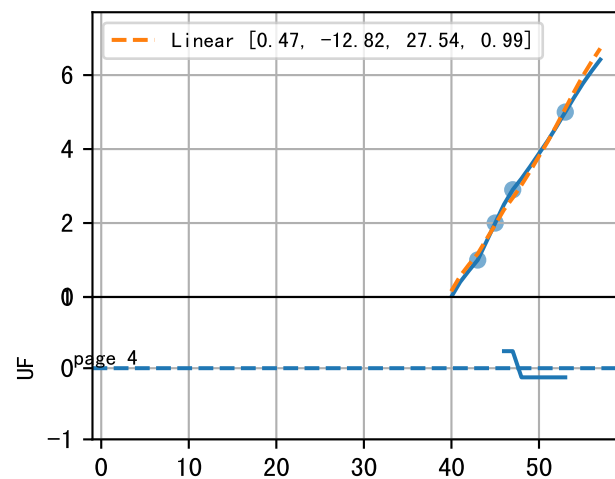
P3-110-23T1

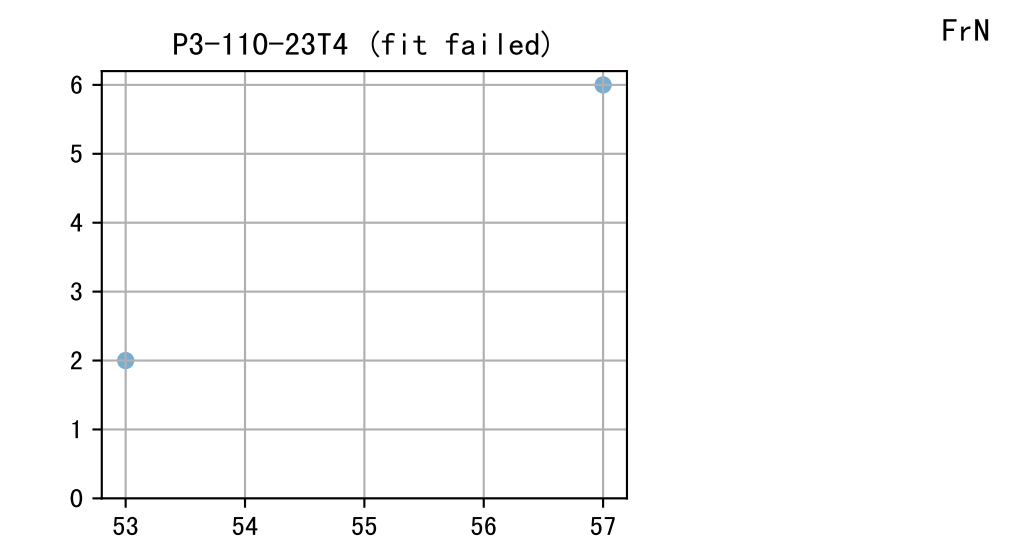


P3-110-23T2

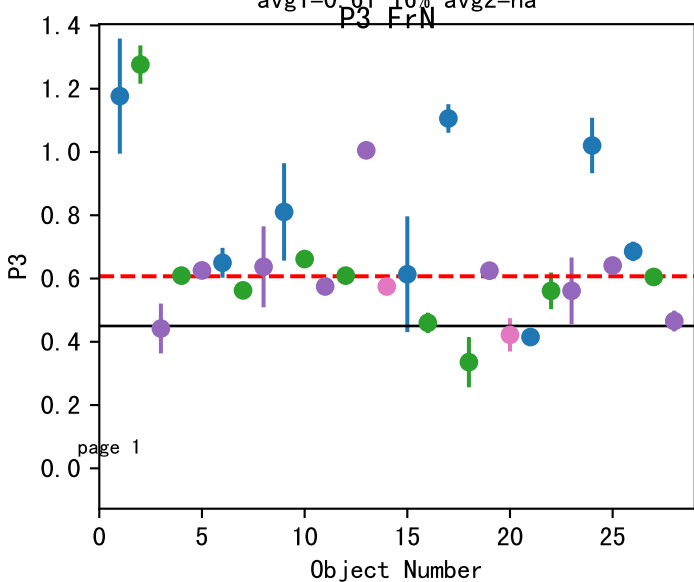


P3-110-23T3

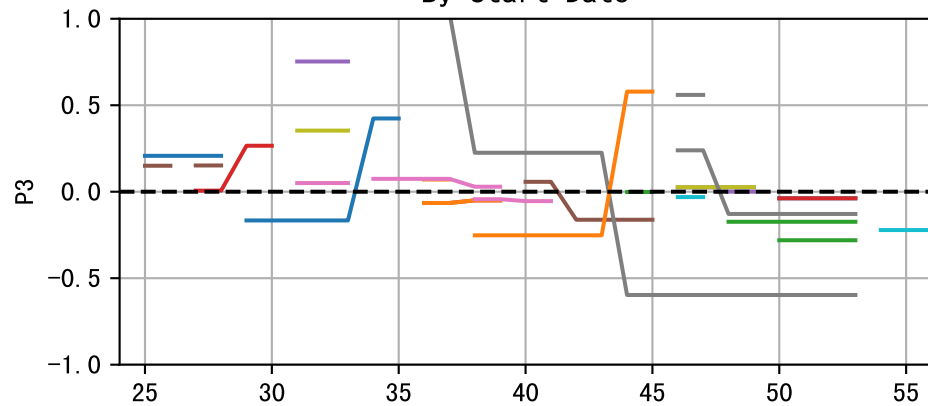




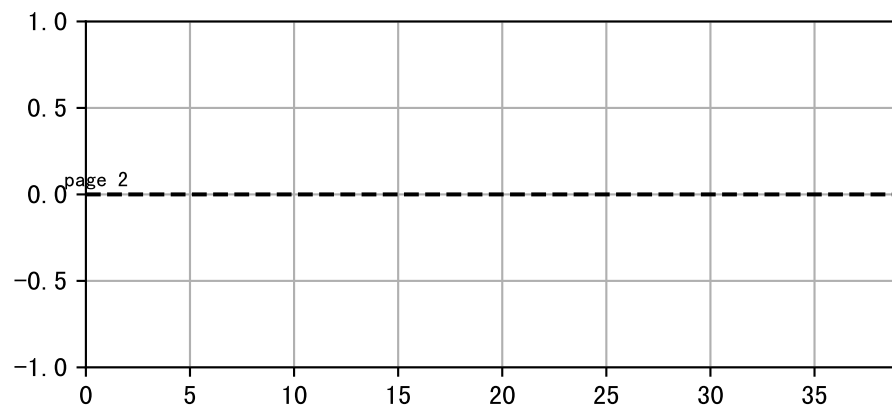
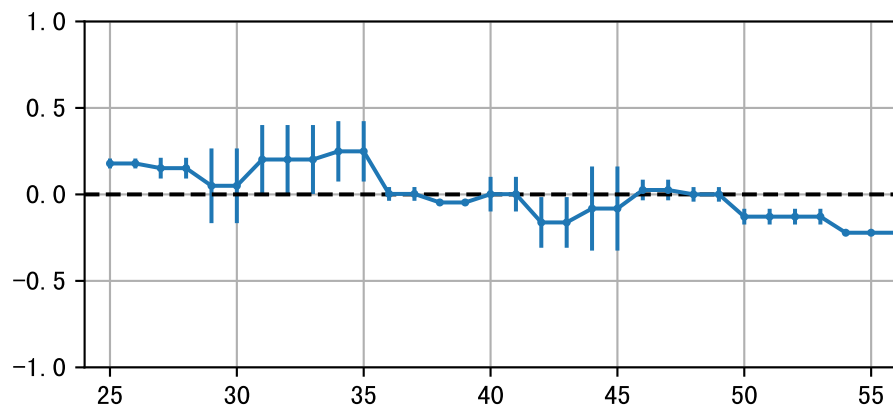
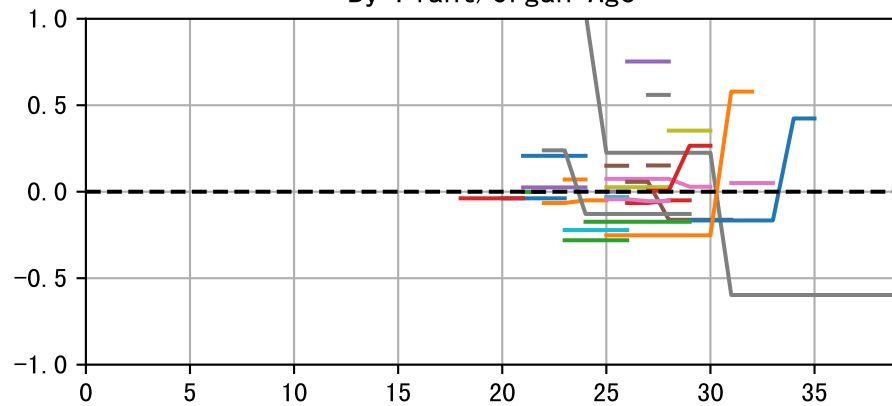
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By Start Date

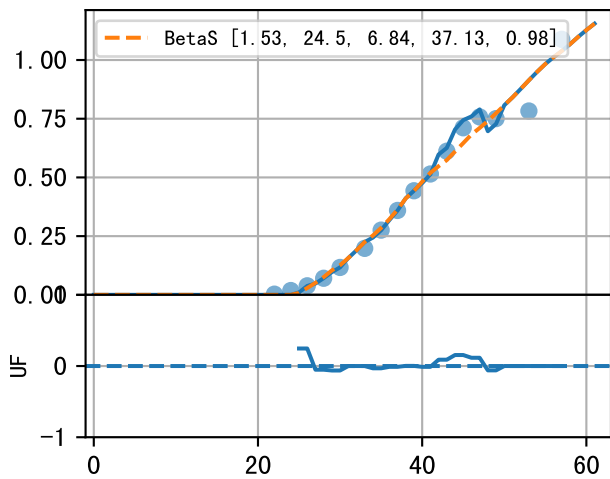


By Plant/Organ Age

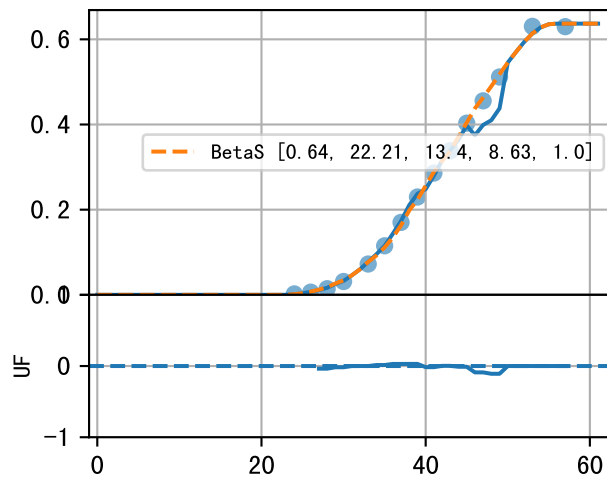


FrV

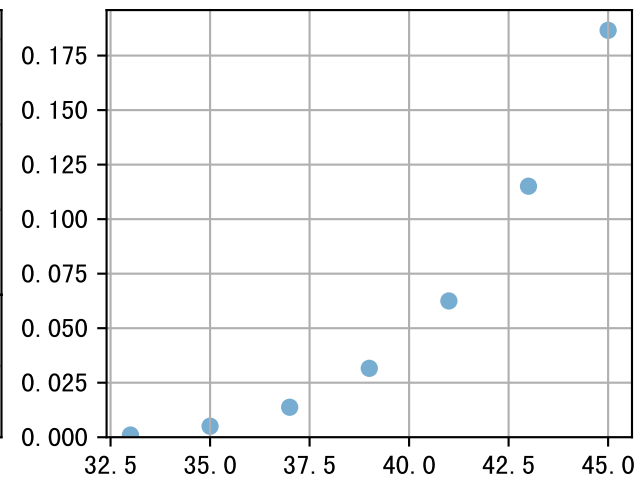
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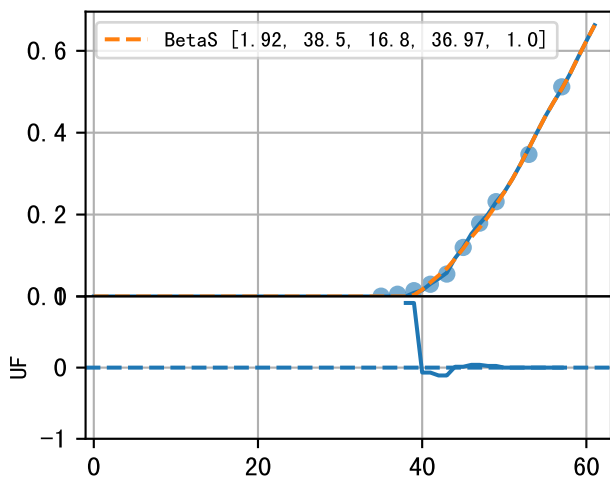
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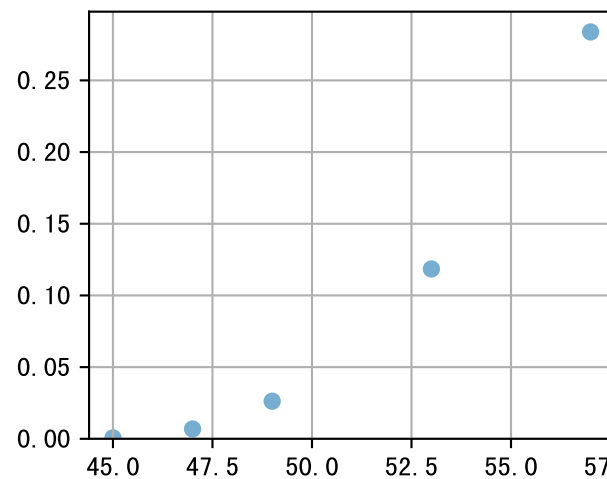
P3-009-13T2Fr1 (fit failed)



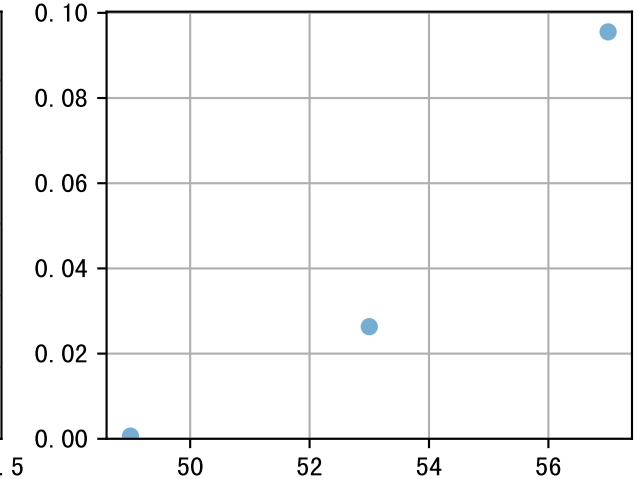
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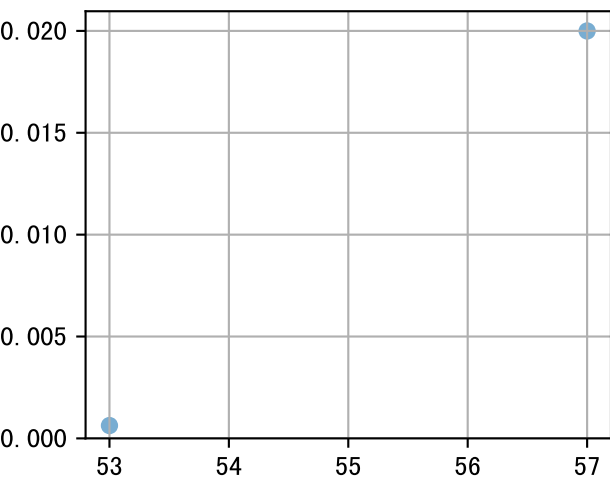
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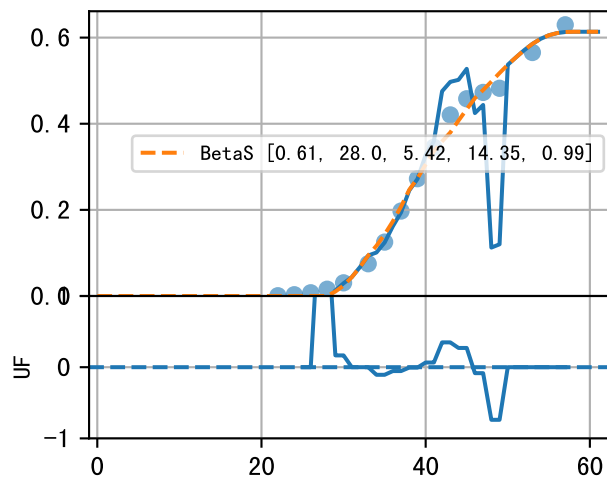
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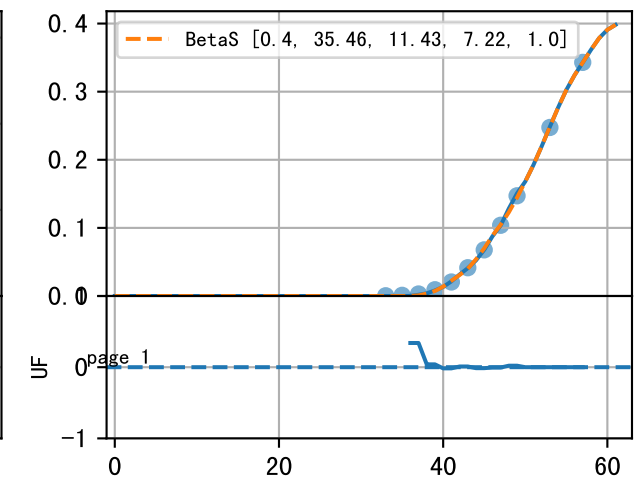
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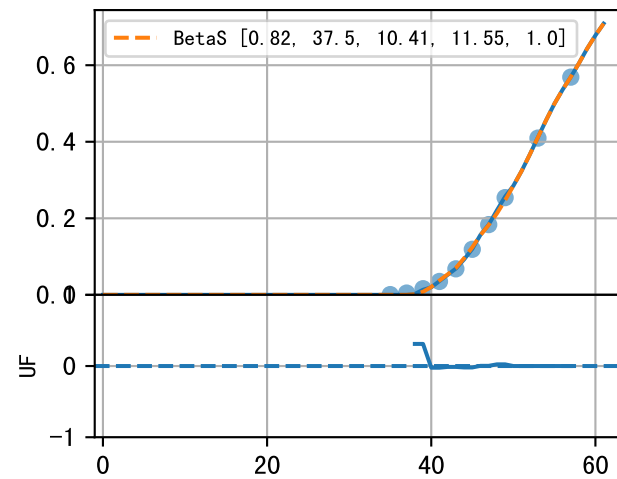
P3-021-19T1Fr1



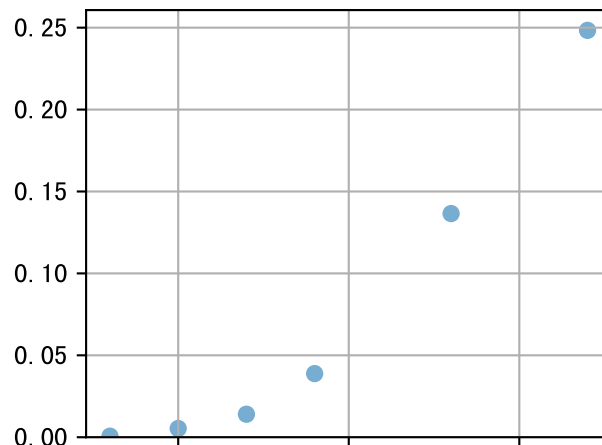
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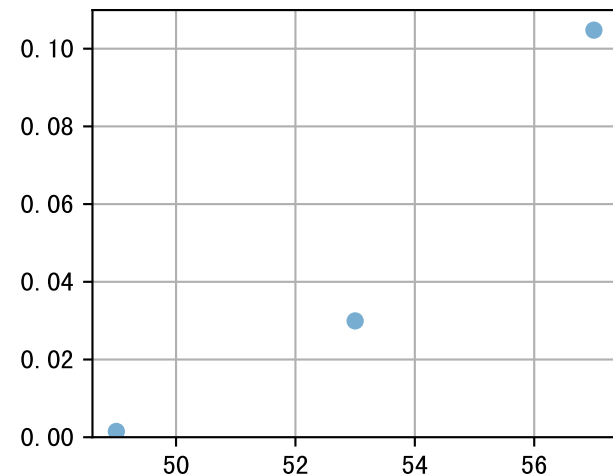
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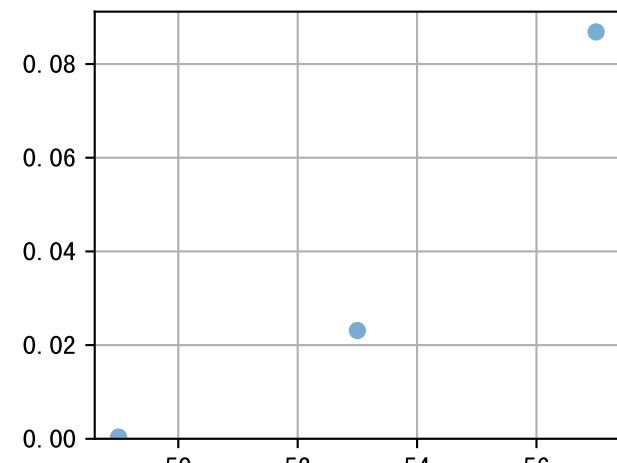
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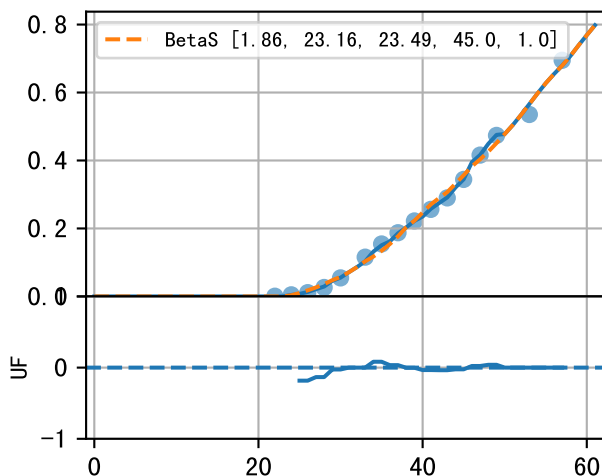
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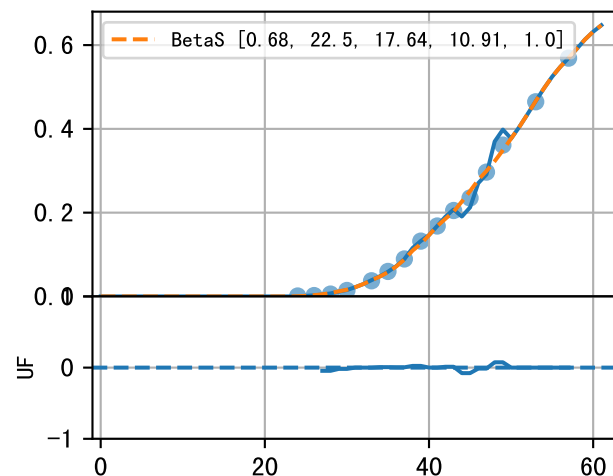
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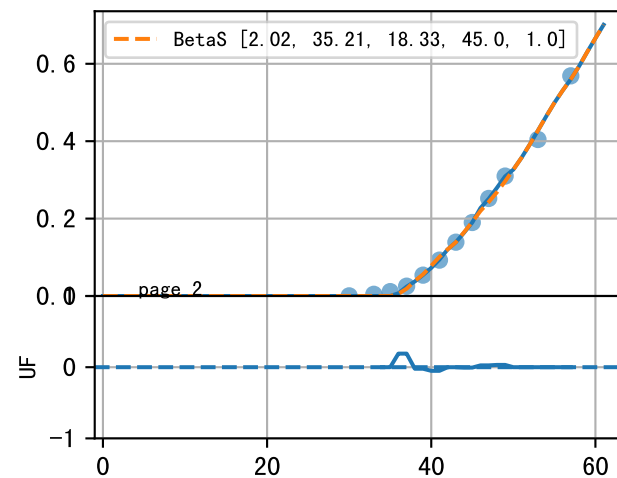
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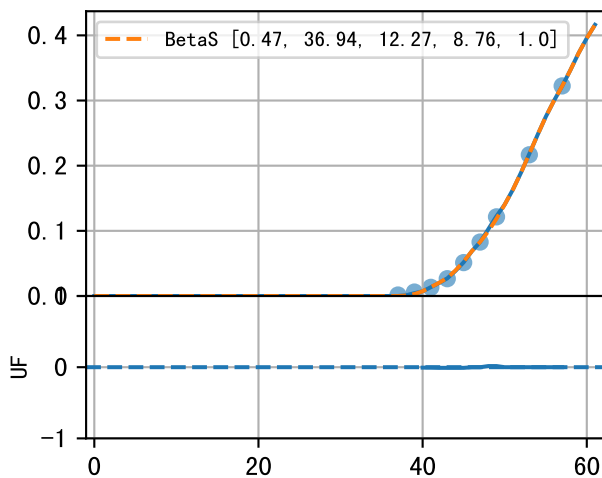
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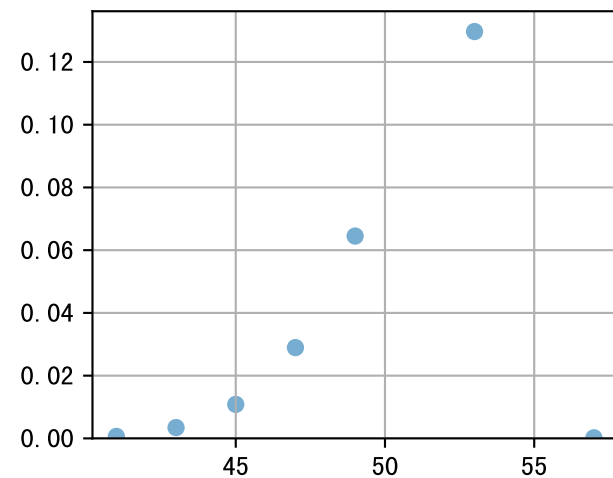
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P3-034-5T2Fr5

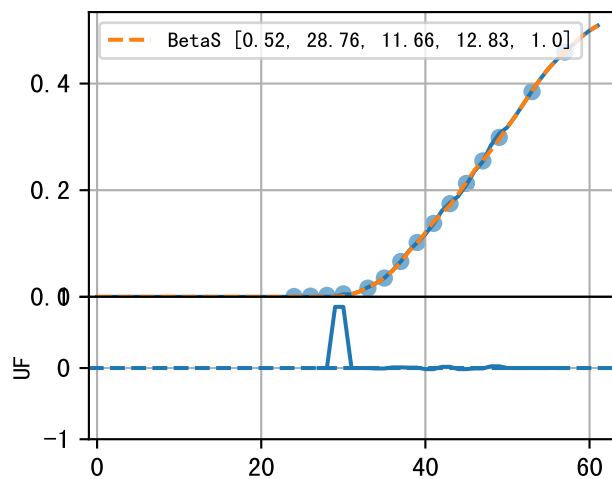


P3-034-5T3Fr1 (fit failed)

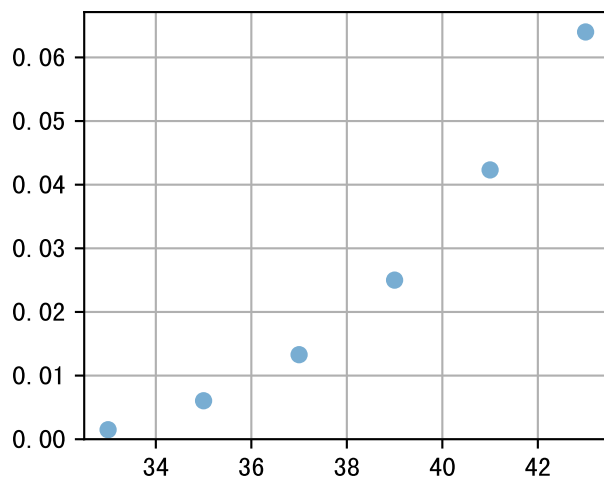




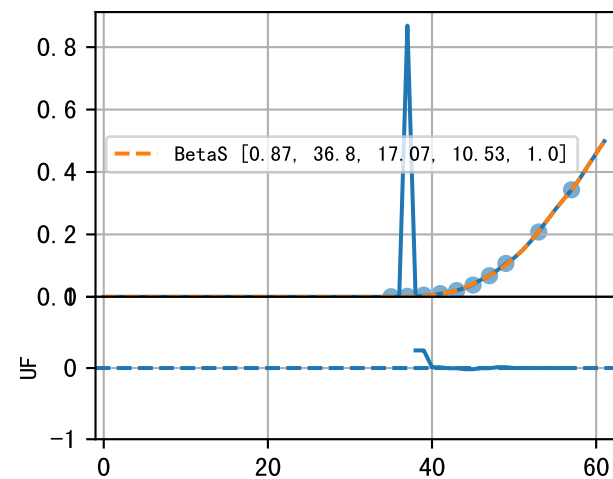
P3-054-28T1Fr1



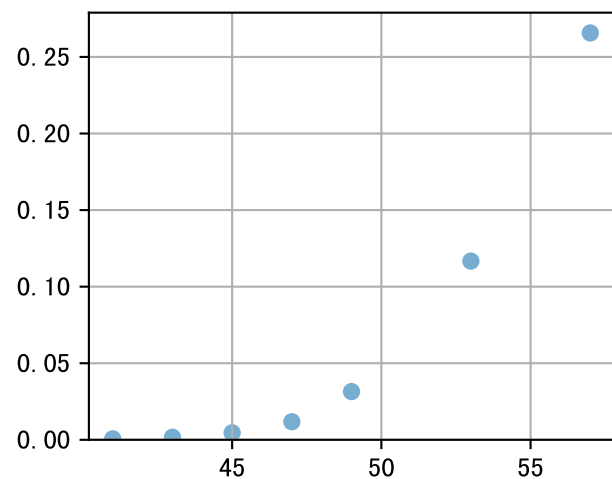
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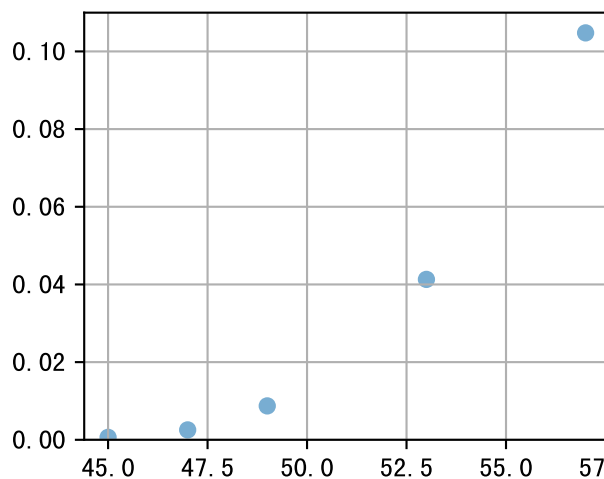
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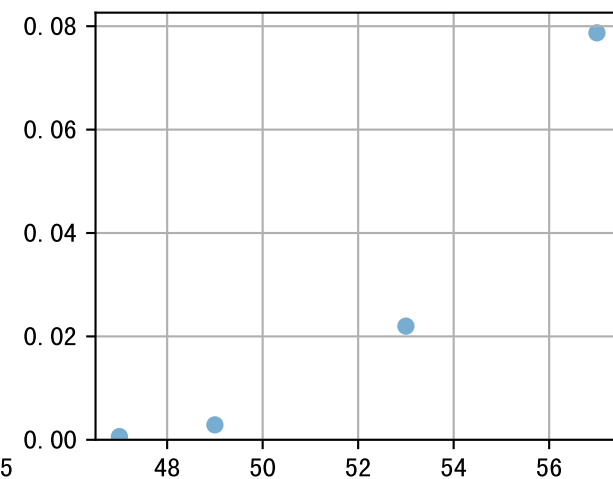
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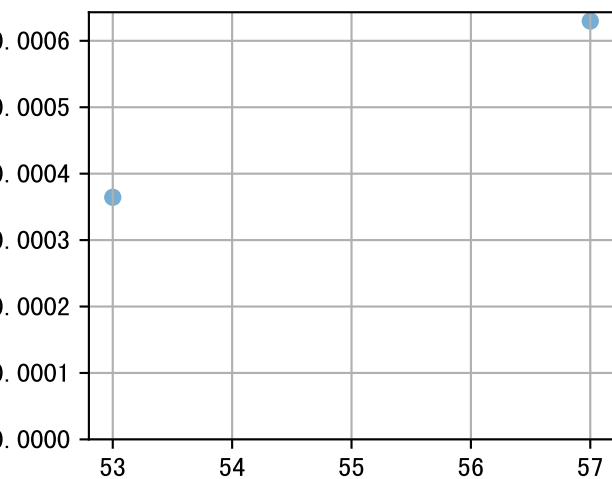
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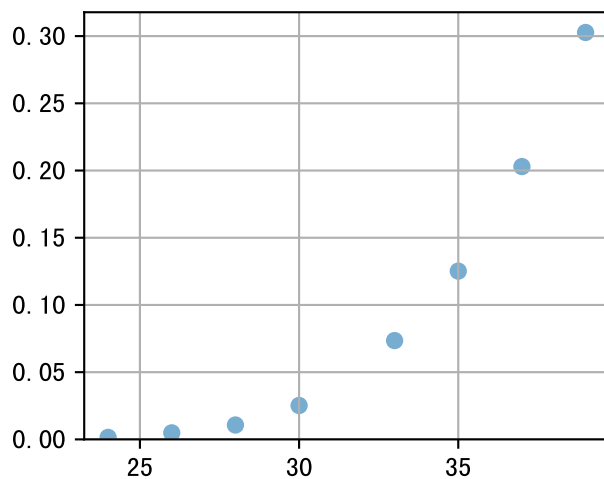
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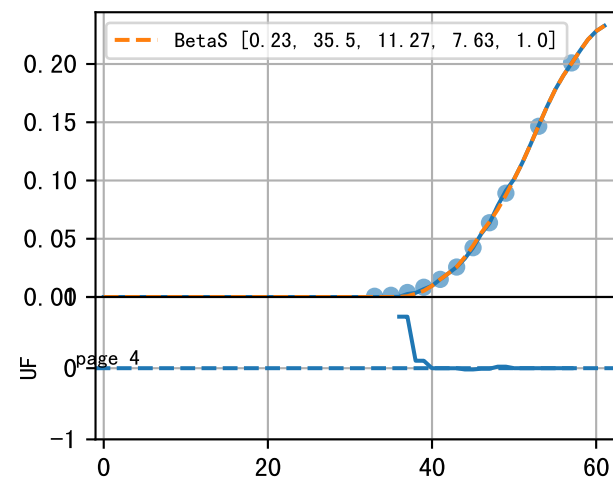
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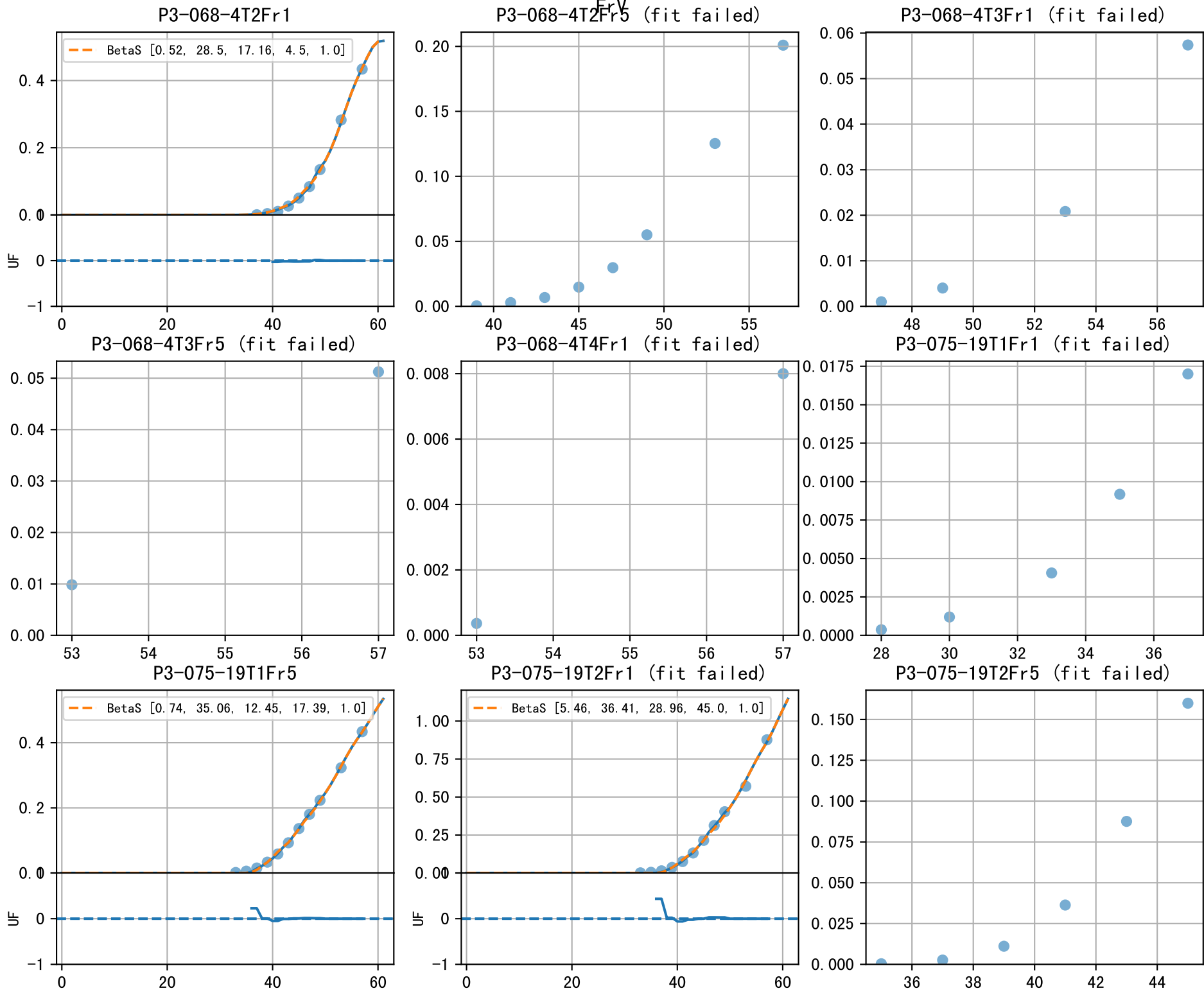


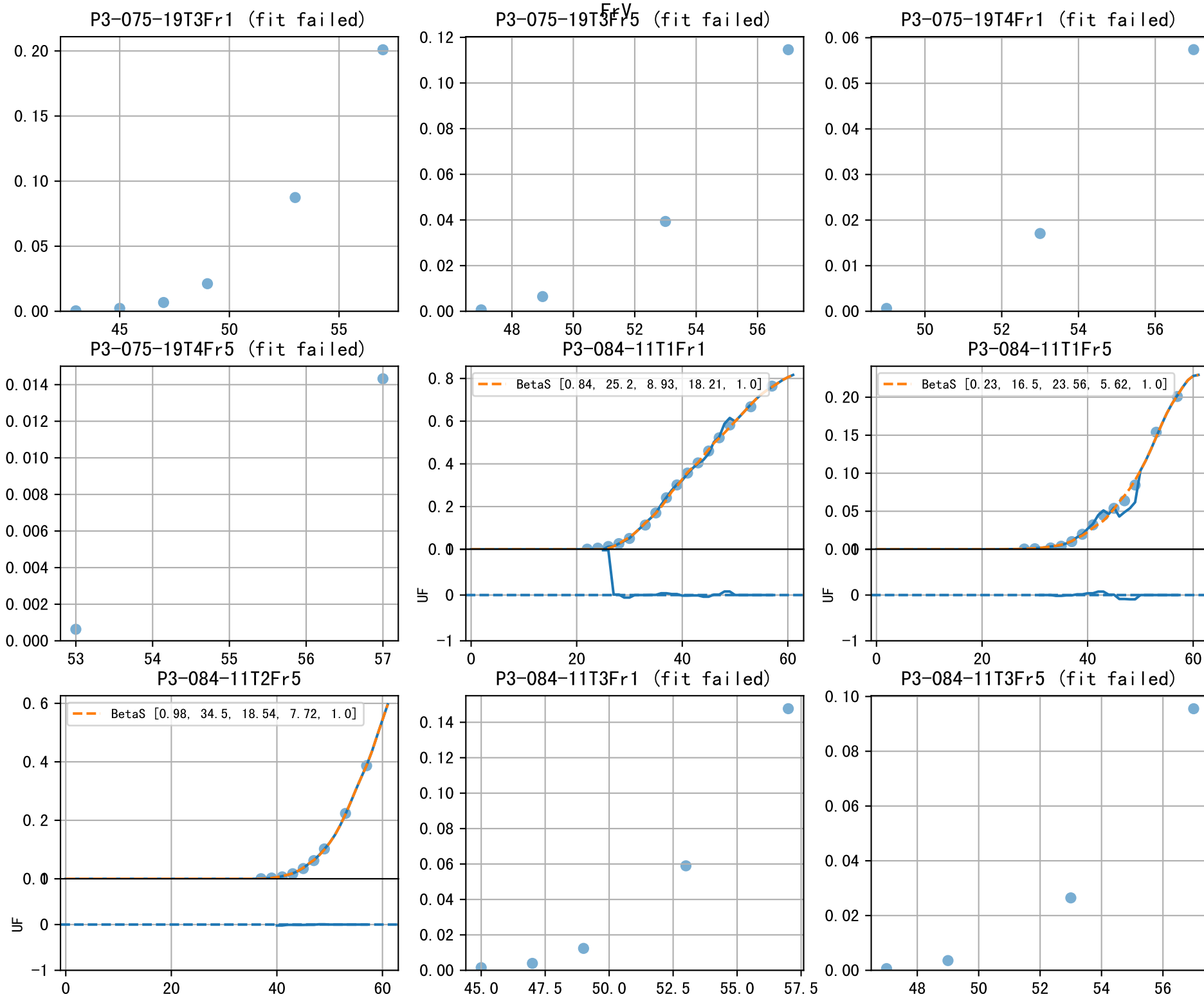
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P3-068-4T1Fr5

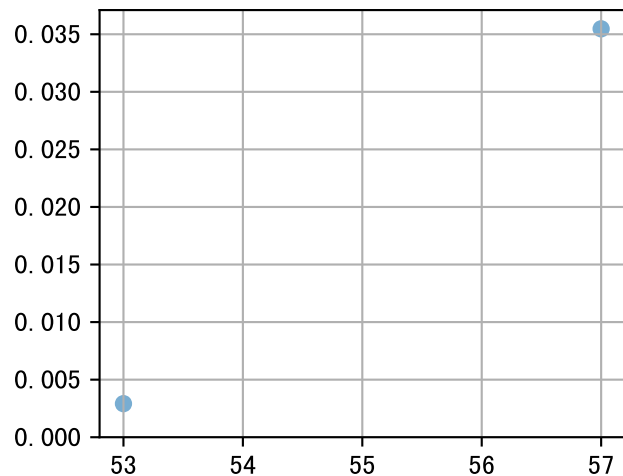




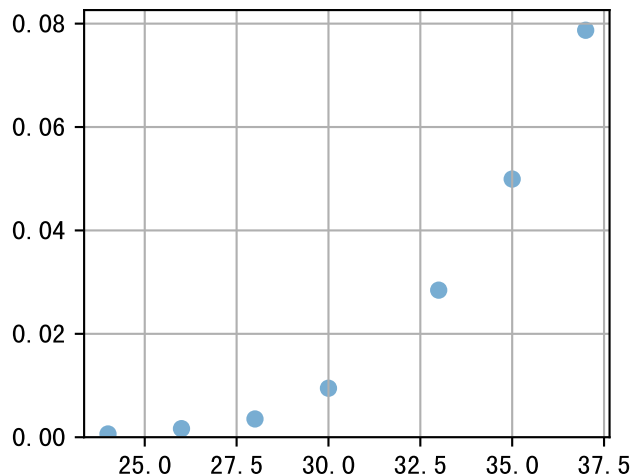


ErV

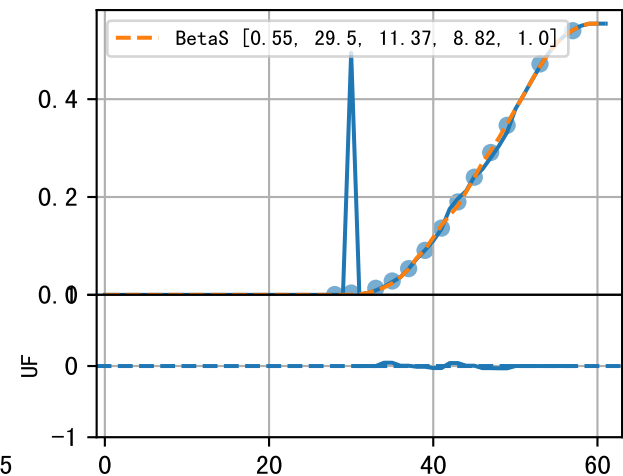
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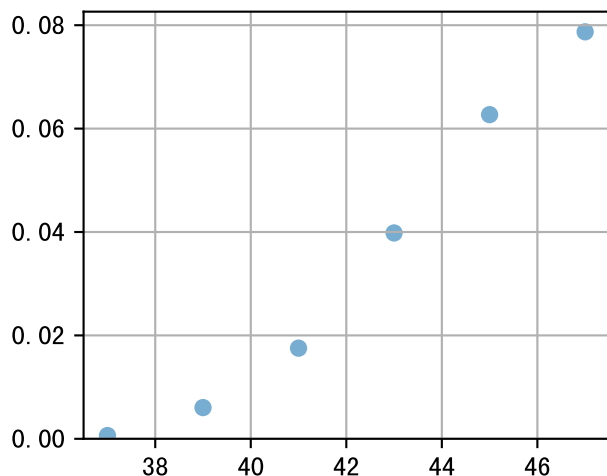
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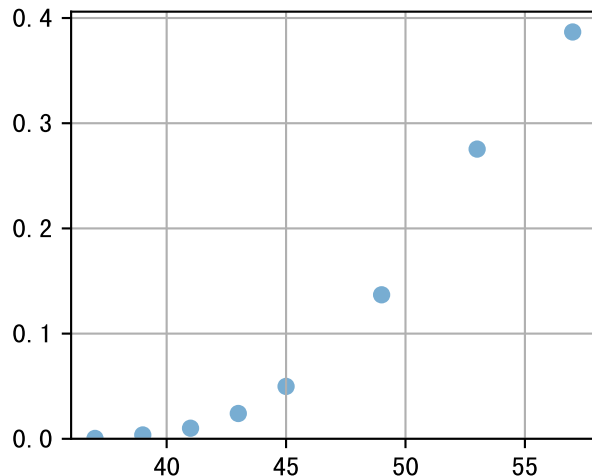
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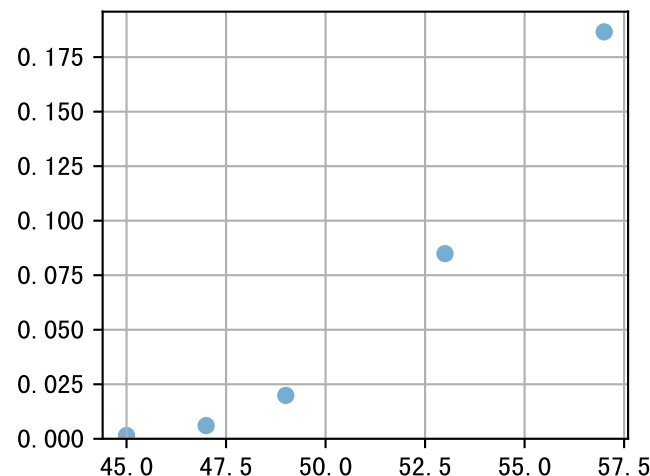
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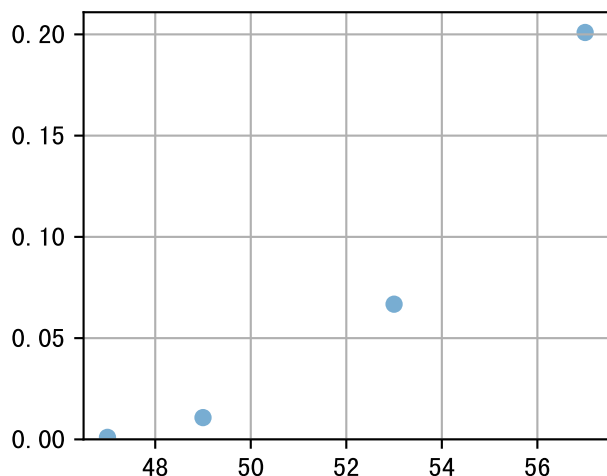
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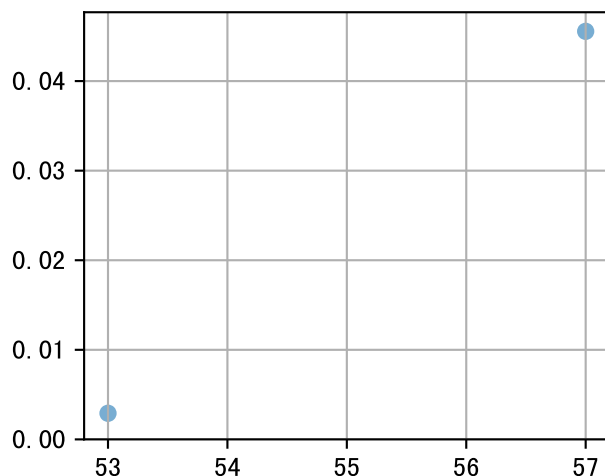
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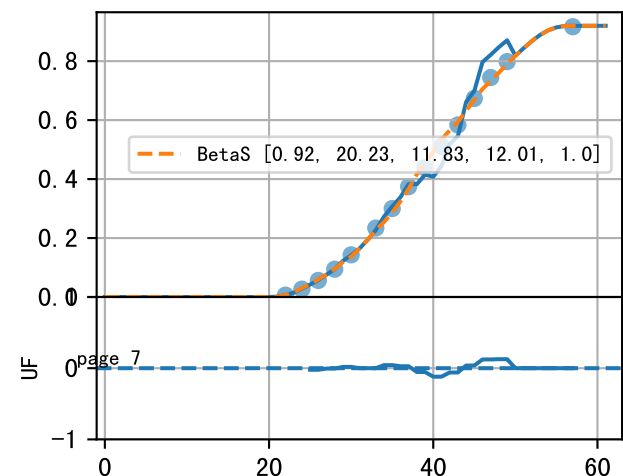
P3-099-4T3Fr5 (fit failed)

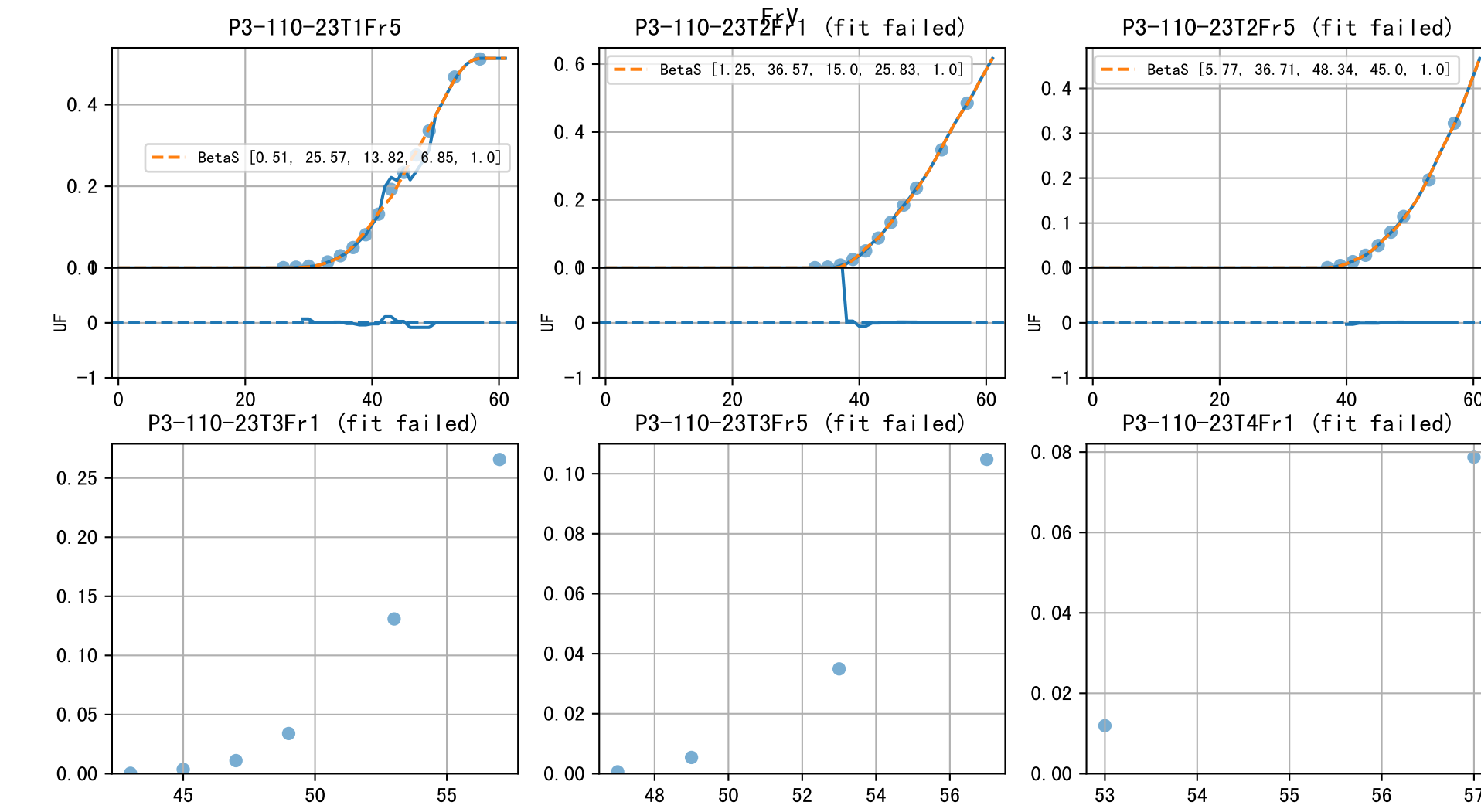


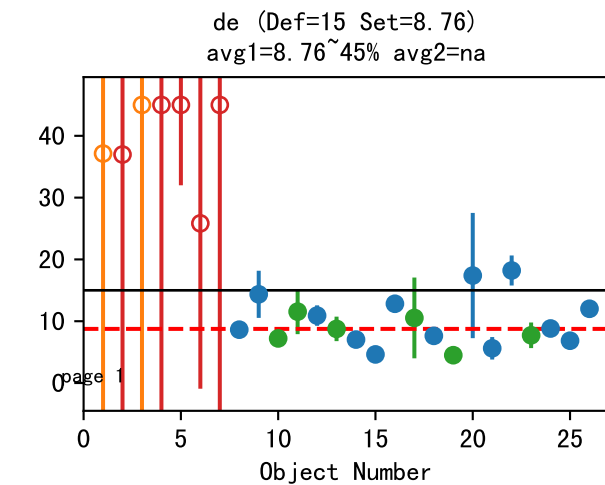
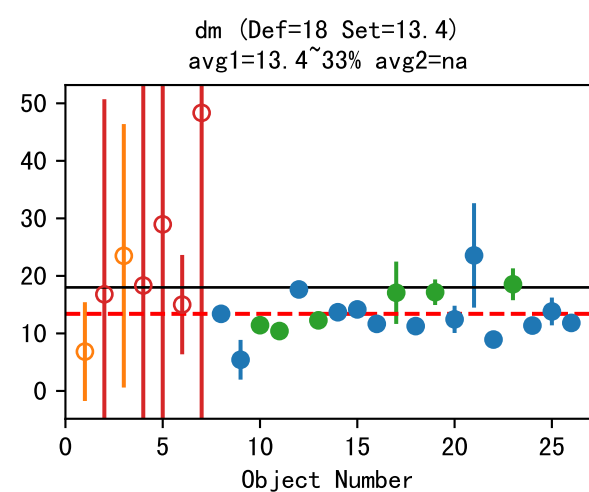
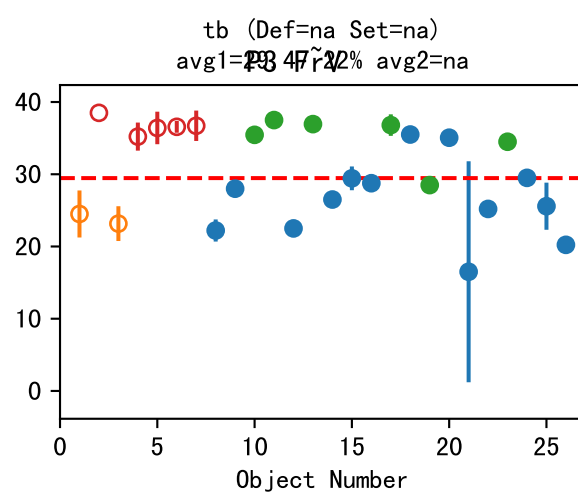
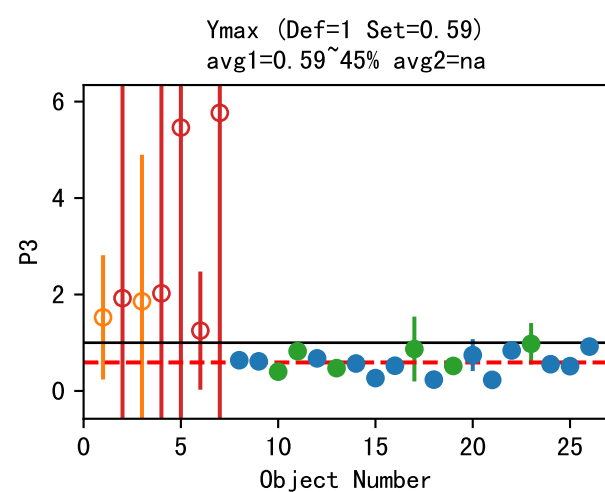
P3-099-4T4Fr1 (fit failed)



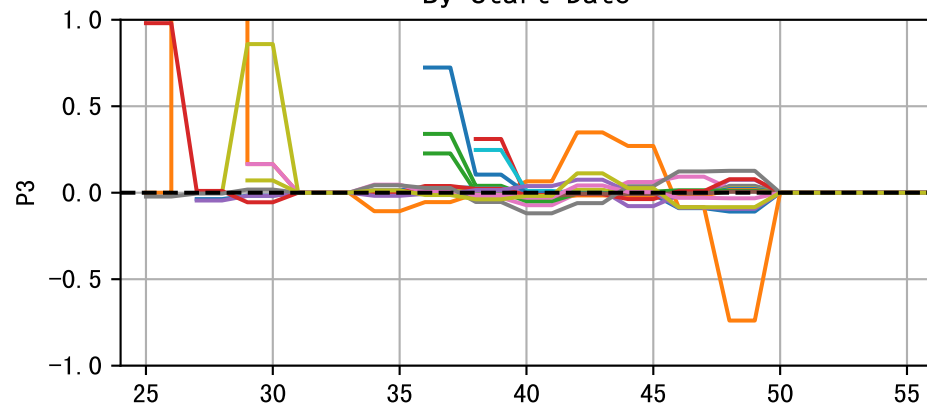
P3-110-23T1Fr1



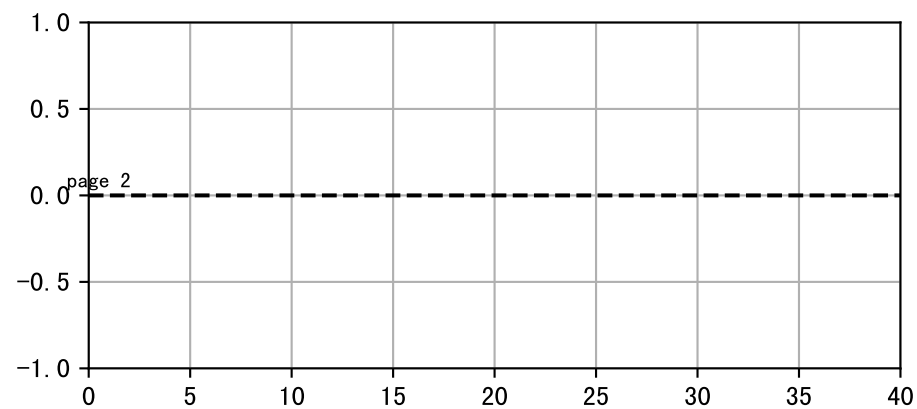
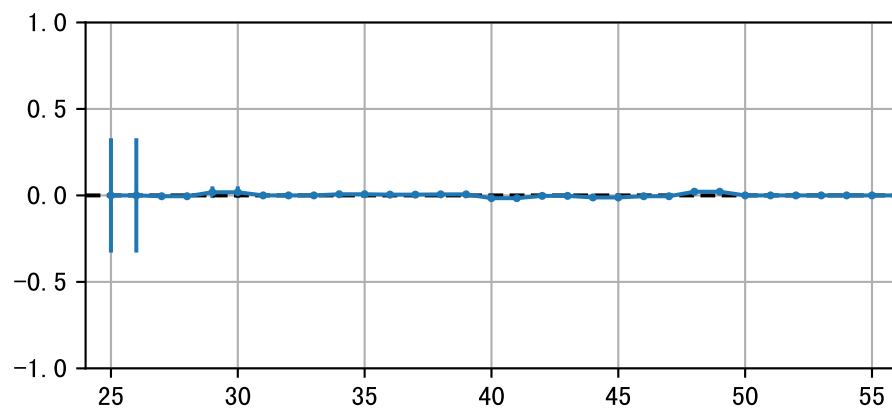
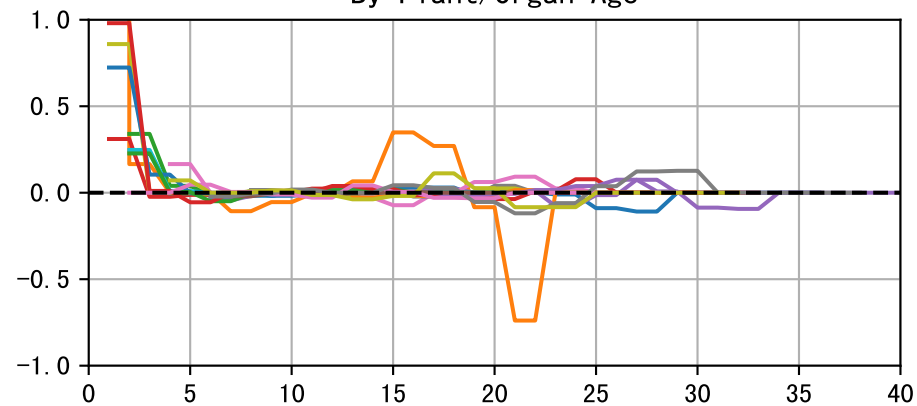




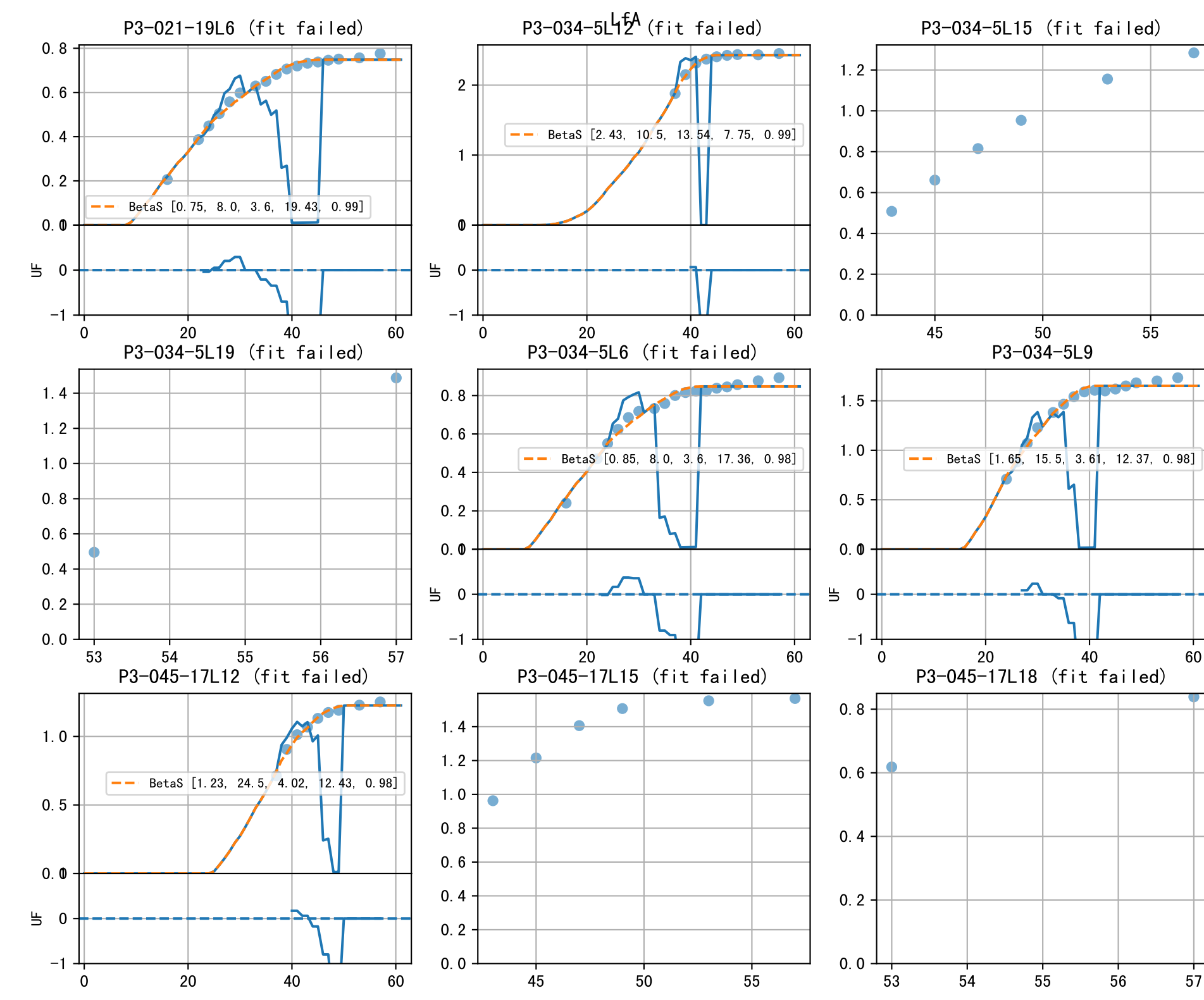
By Start Date

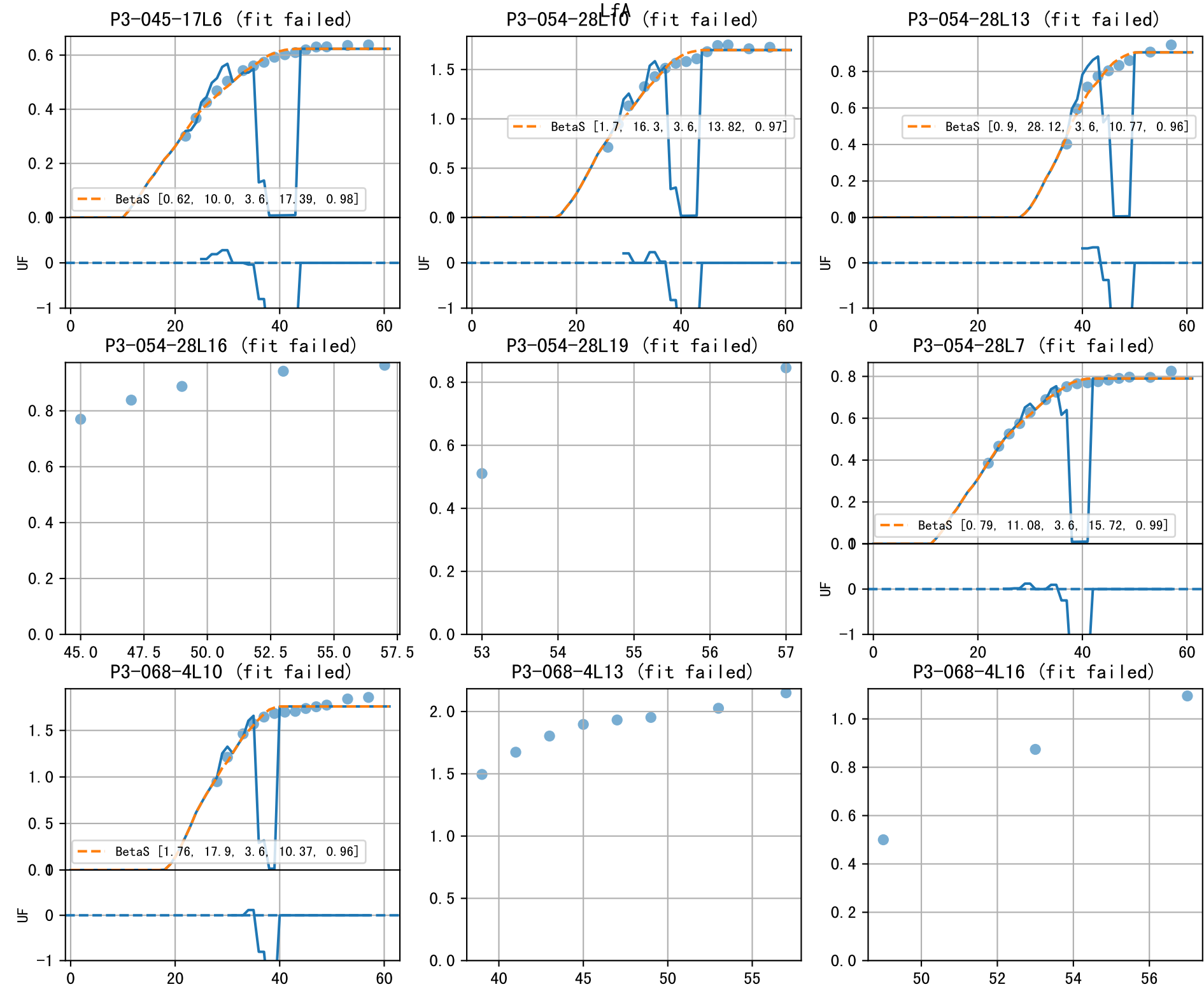


By Plant/Organ Age

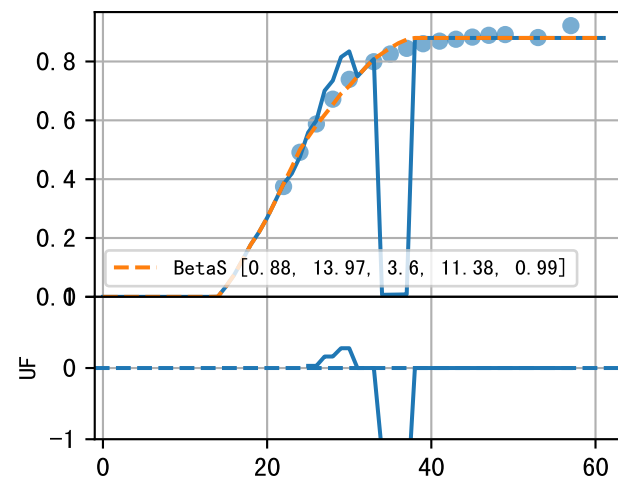




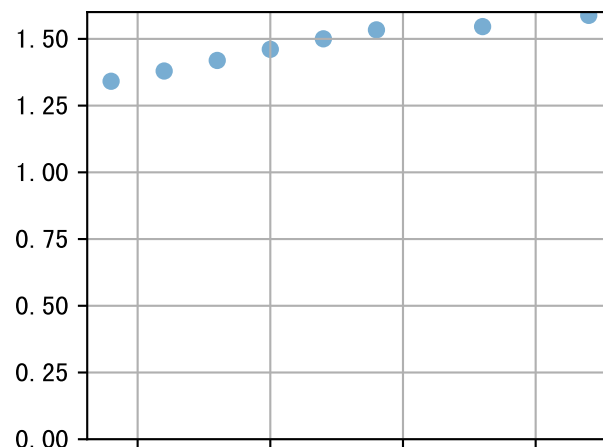




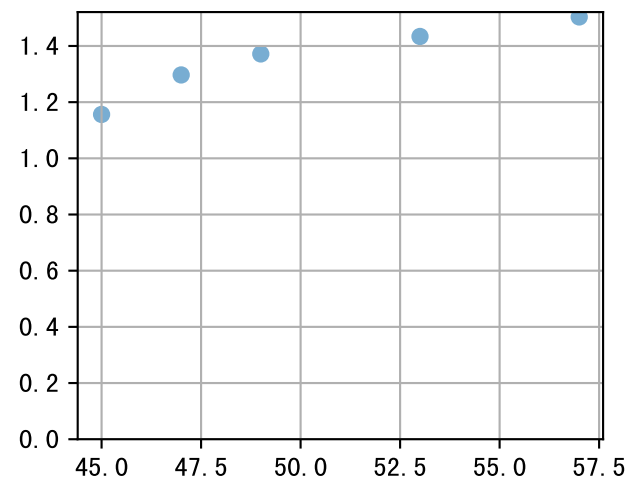
P3-068-4L7



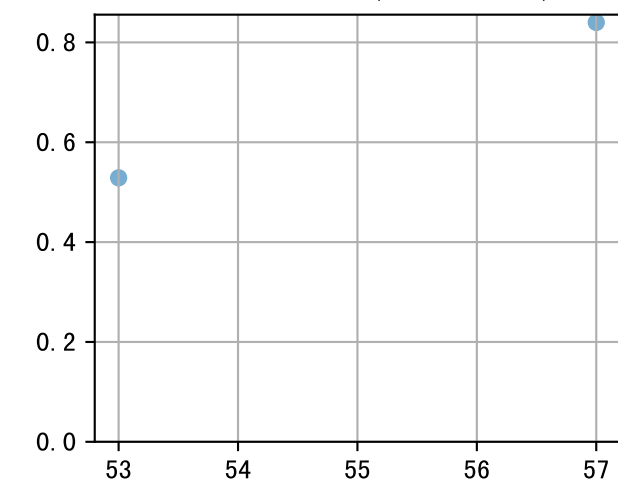
P3-075-19L12 (fit failed)



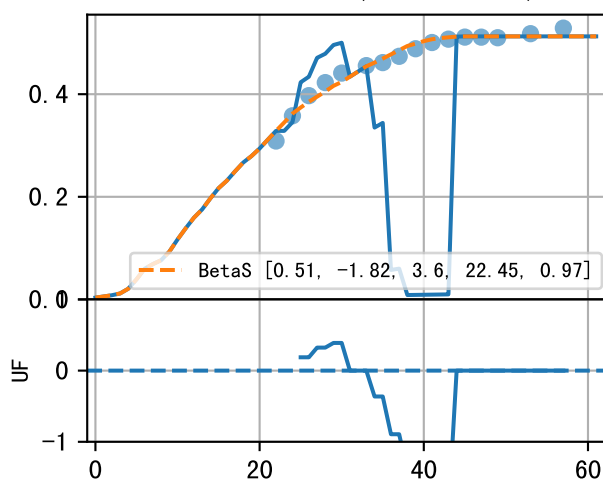
P3-075-19L15 (fit failed)



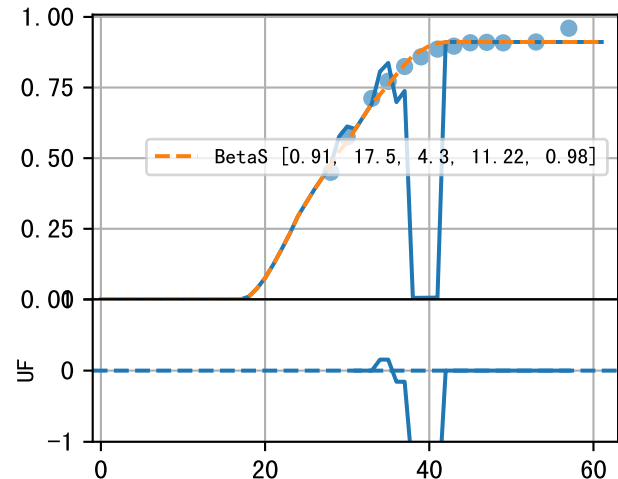
P3-075-19L18 (fit failed)



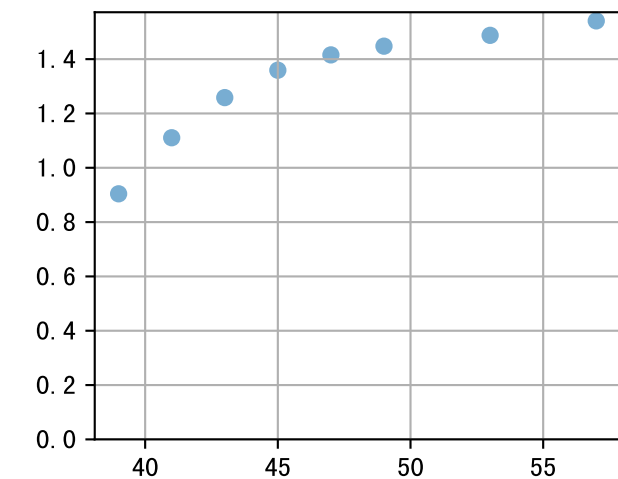
P3-075-19L6 (fit failed)



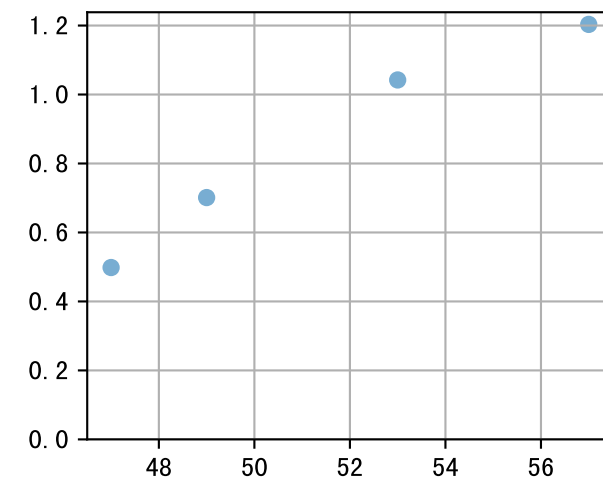
P3-075-19L9



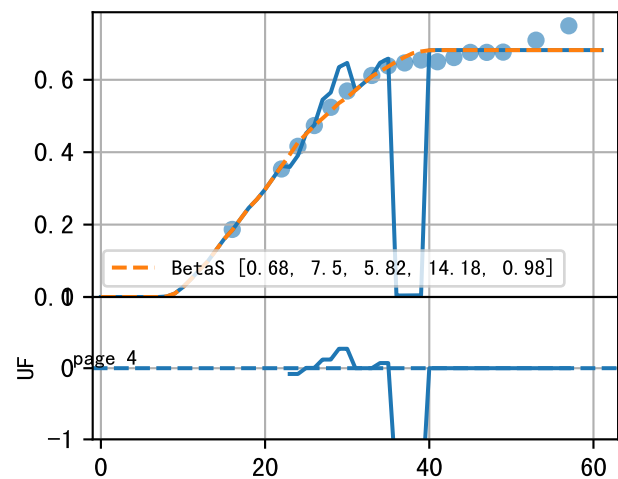
P3-084-11L13 (fit failed)



P3-084-11L16 (fit failed)

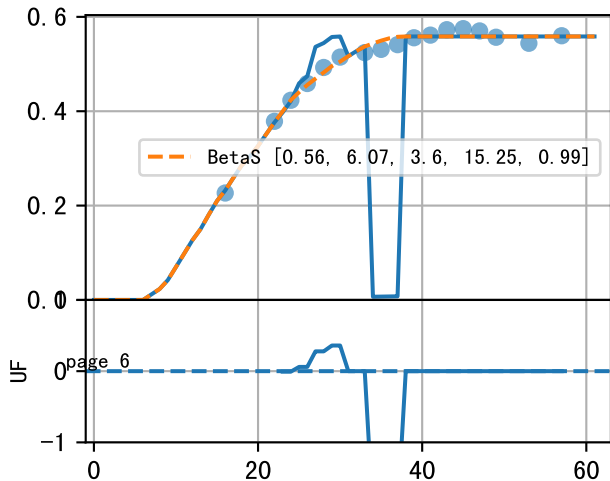


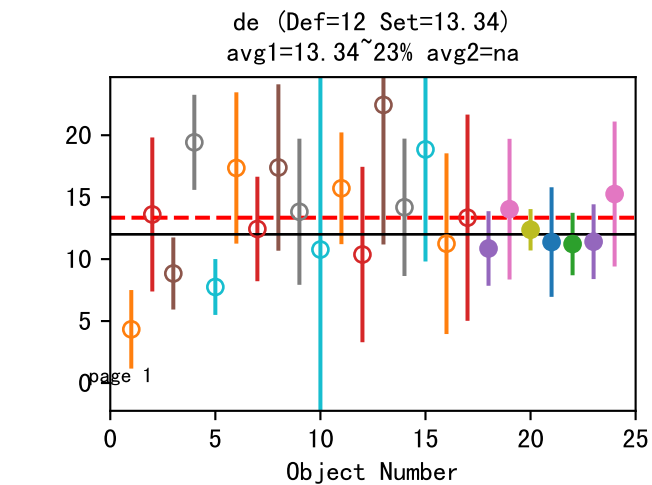
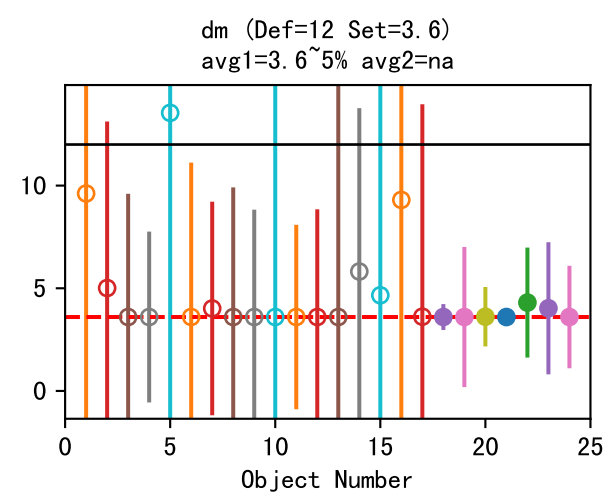
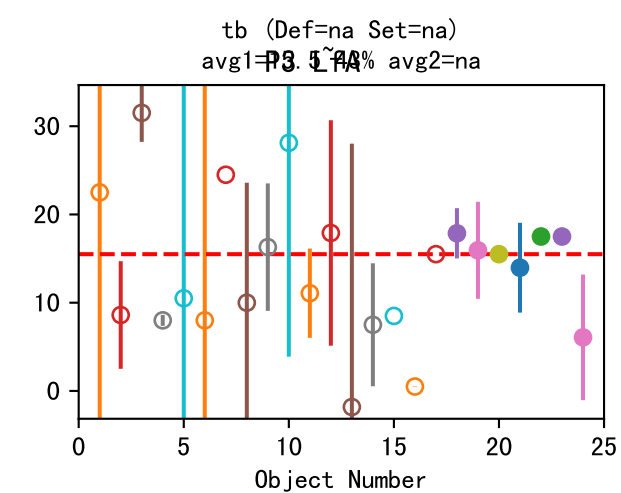
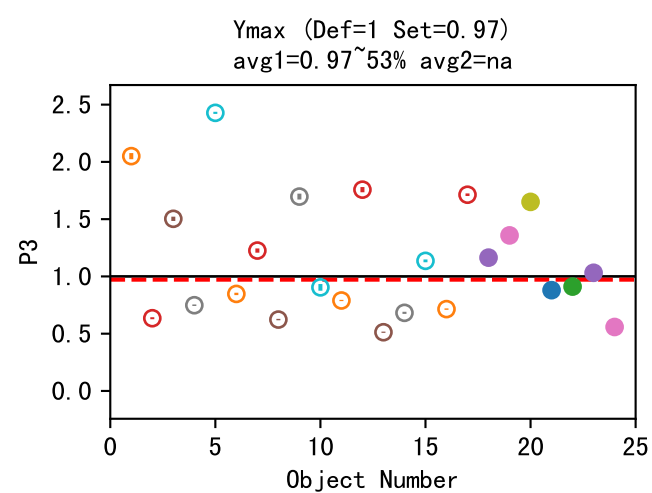
P3-084-11L6 (fit failed)



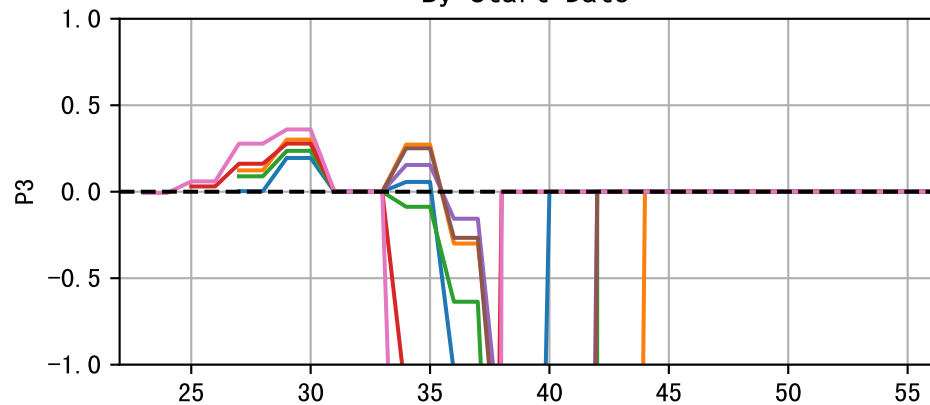


P3-110-23L6

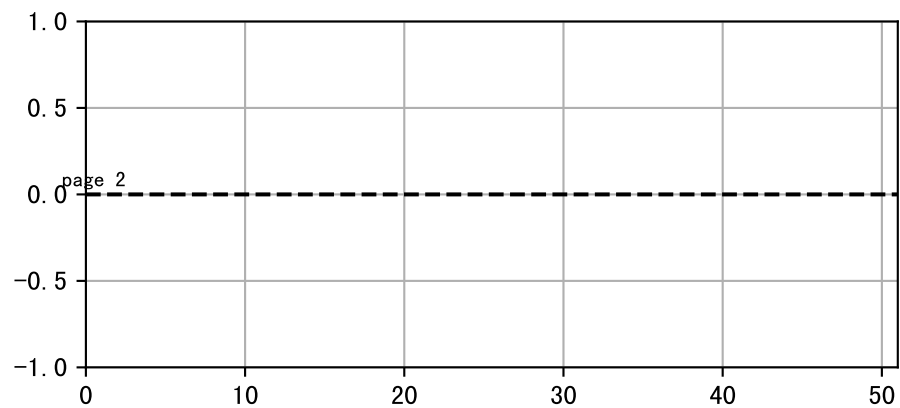
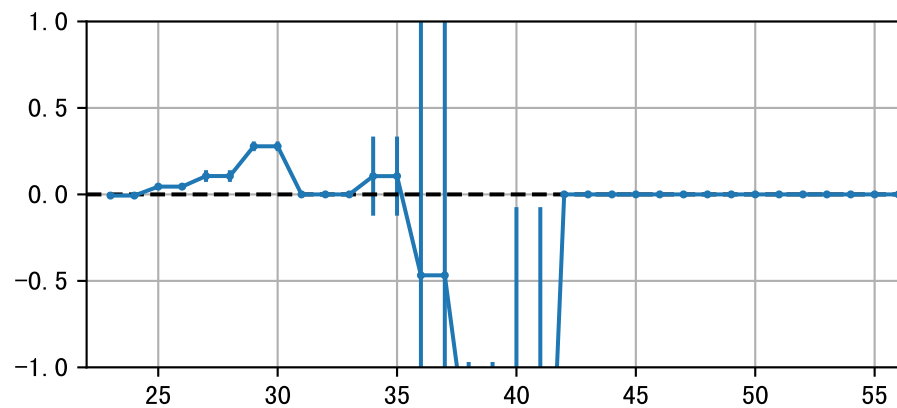
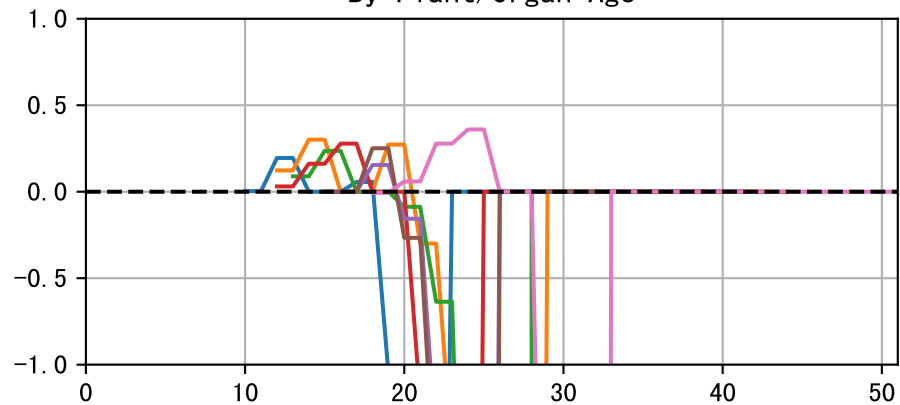




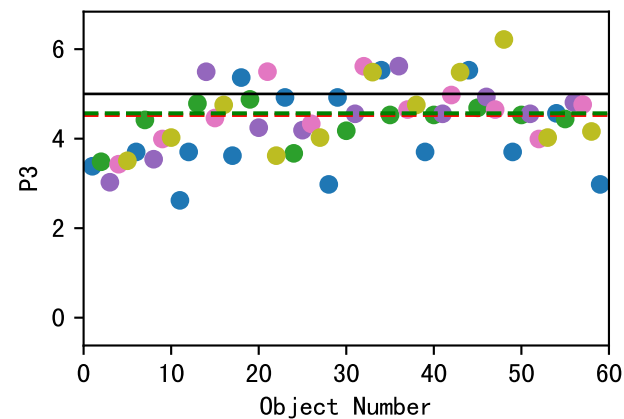
By Start Date



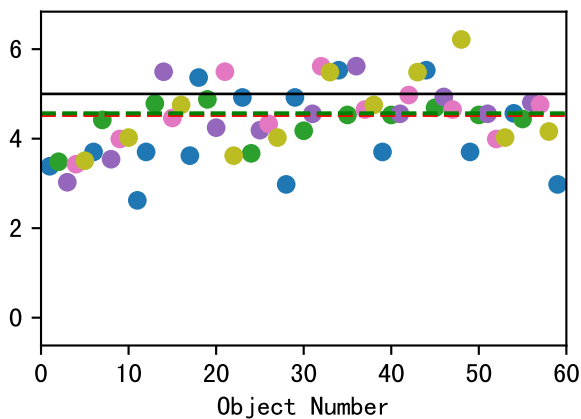
By Plant/Organ Age



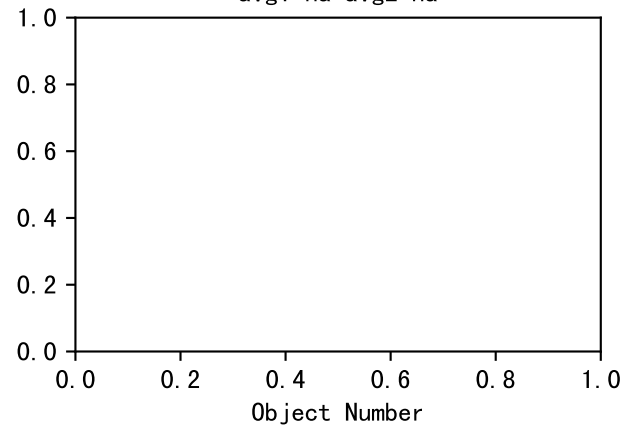
FI_dm (Def=5 Set=4.53)
avg1=4.53~17% avg2=4.57~6%



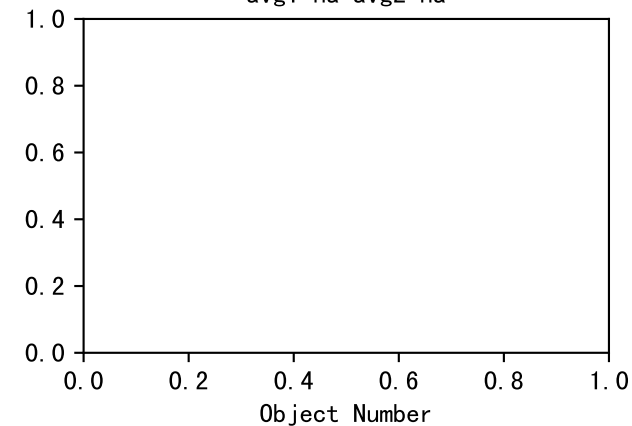
FI_de (Def=5 Set=4.53)
avg1=4.53~17% avg2=4.57~6%



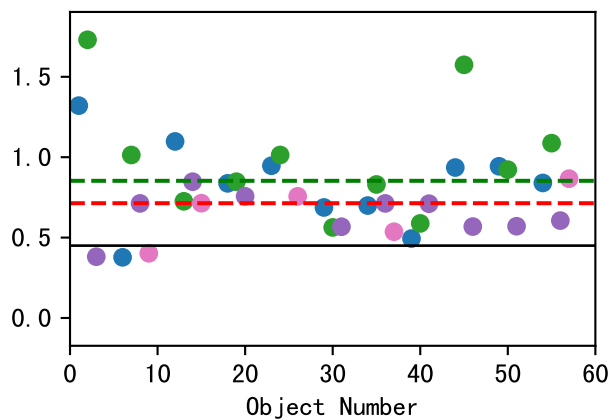
FrV_dm (Def=18 Set=13.4)
avg1=na avg2=na



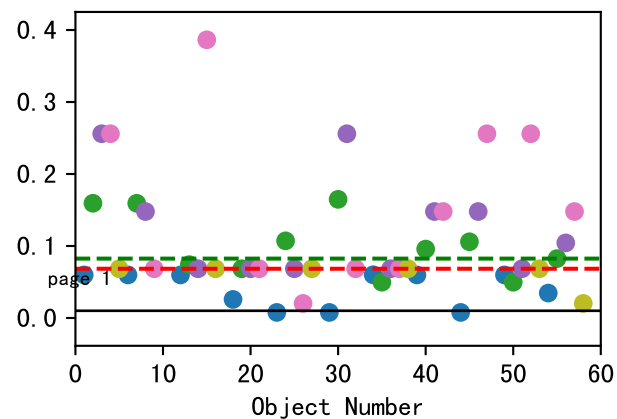
FrV_de (Def=15 Set=8.76)
avg1=na avg2=na



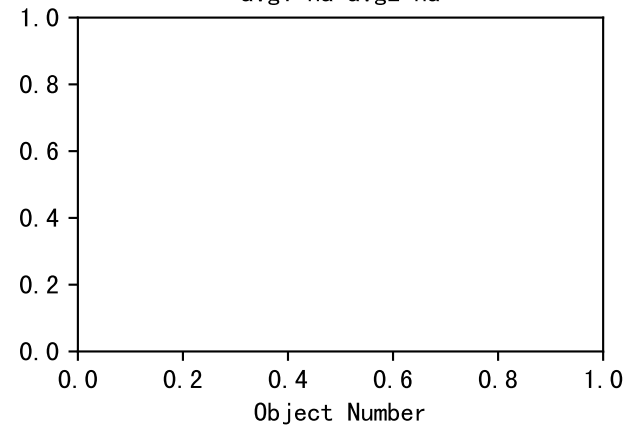
FrN_a (Def=0.45 Set=0.71)
avg1=0.71~31% avg2=0.85~23%



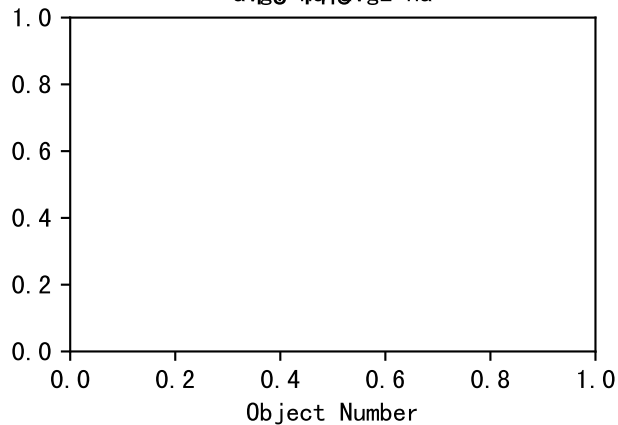
FSDdevStage (Def=0.01 Set=0.01)
avg1=0.07~102% avg2=0.08~63%



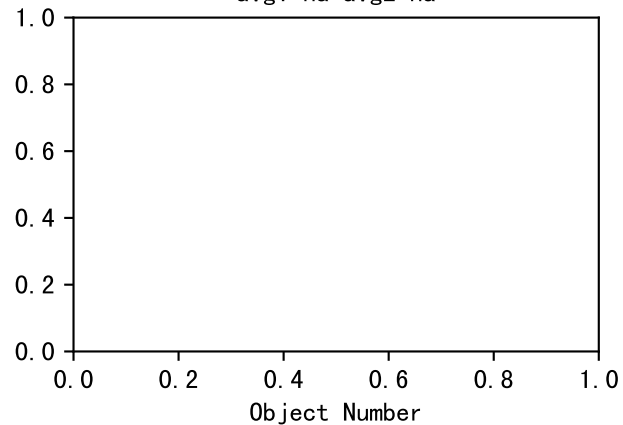
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



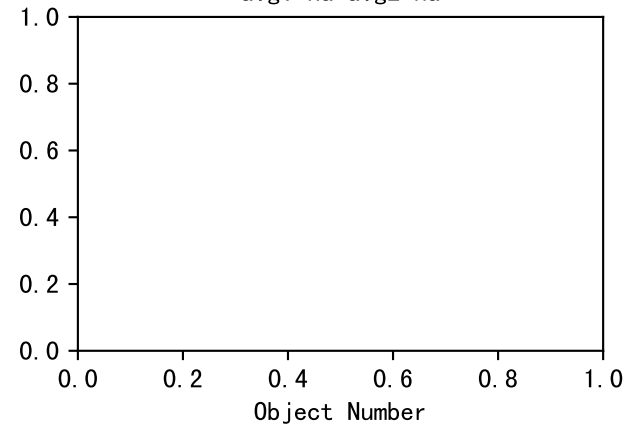
FMBDDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



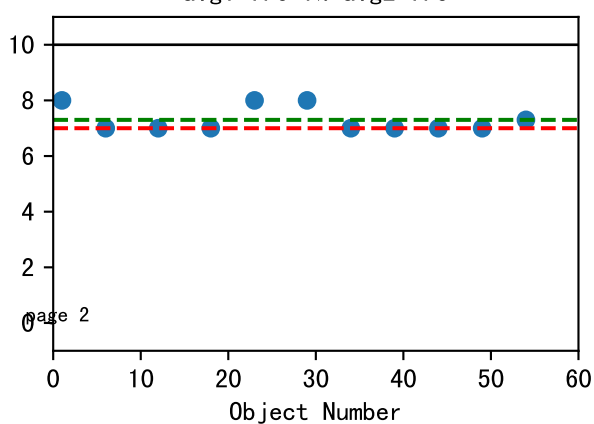
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

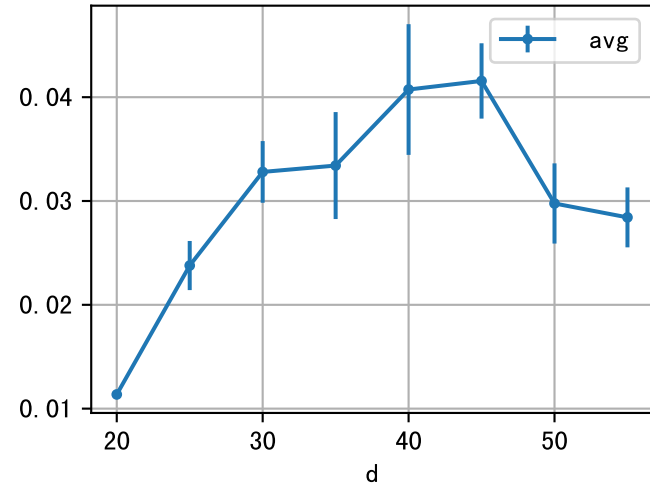


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

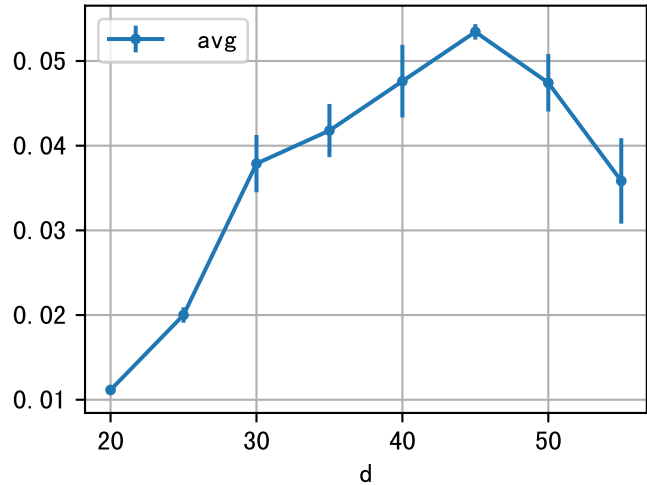


LfA: avg vs. d at each age group

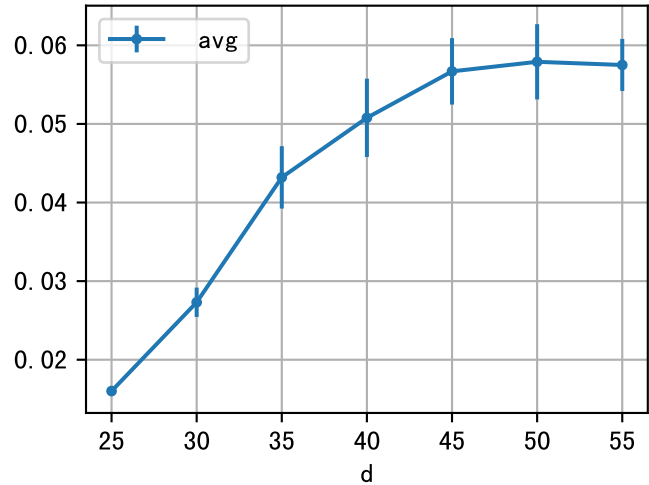
age=15

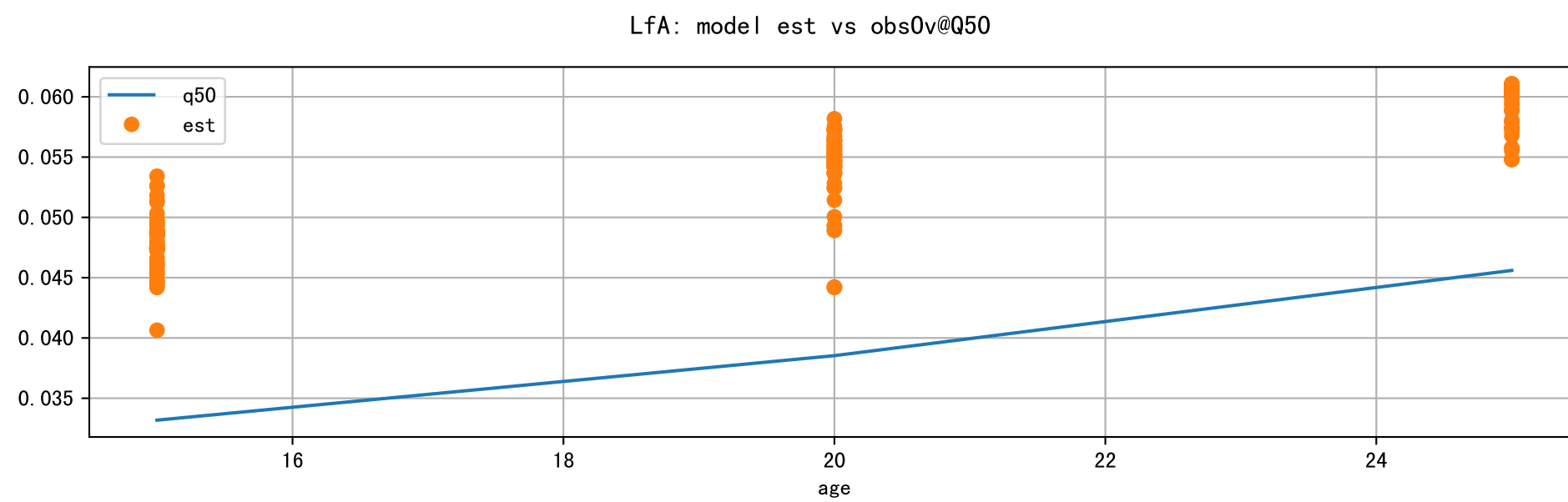


age=20

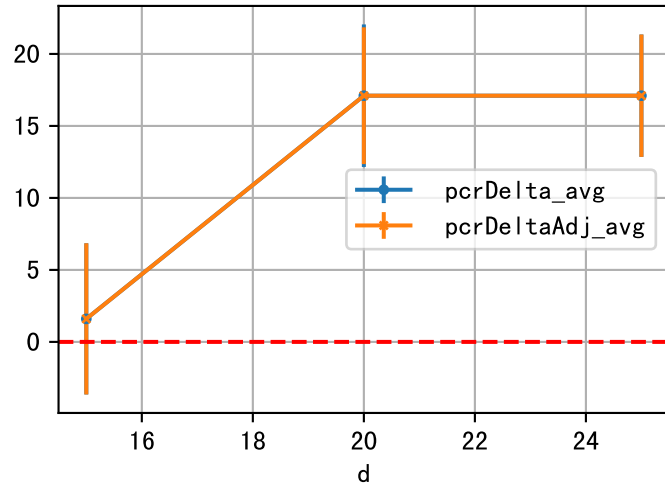


age=25

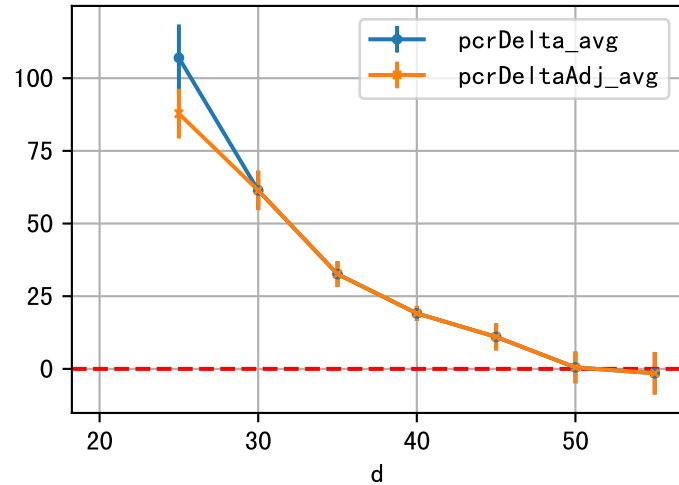




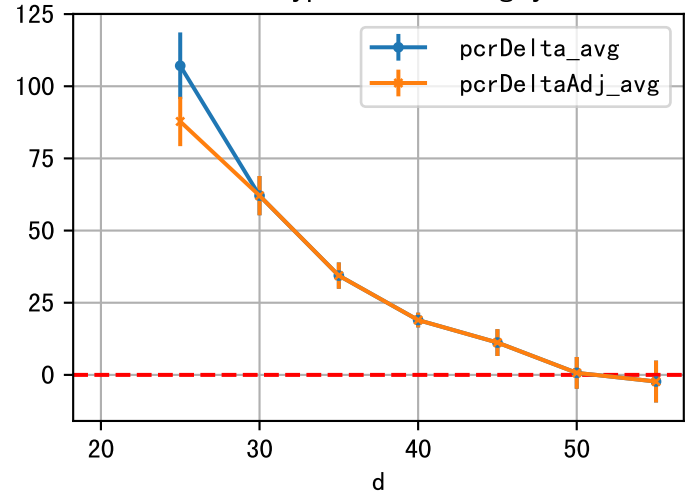
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

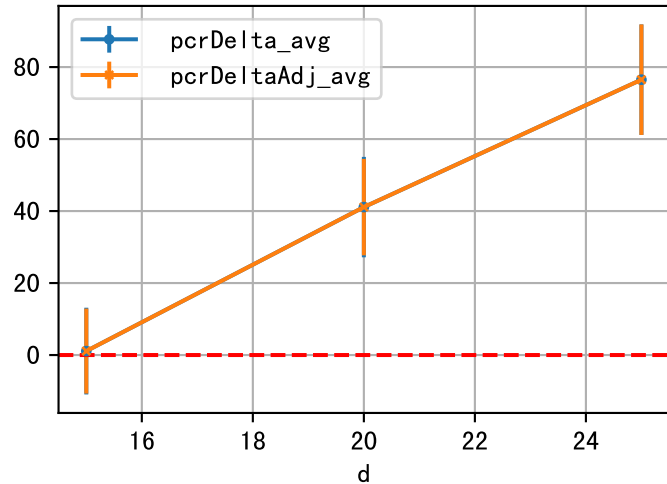


DeltaTypeAbbr=Wei AvgByD

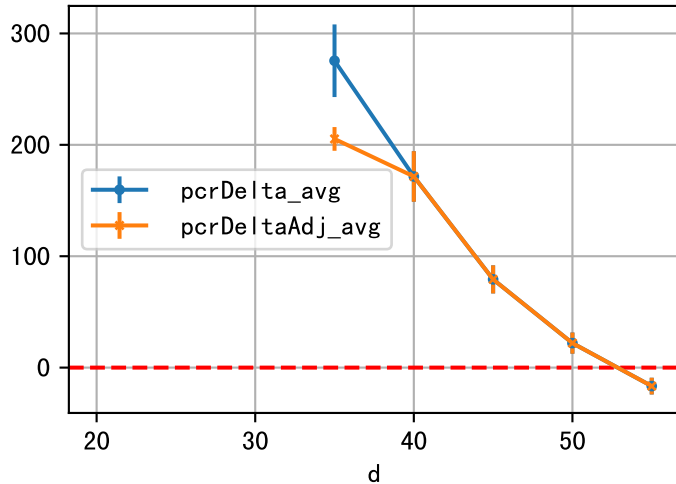


P3 LfA: D_15d_LfA

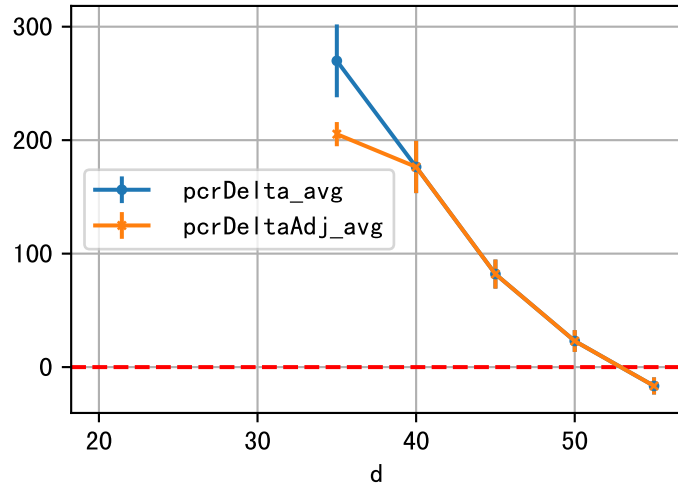
DeltaTypeAbbr=GrpByAge



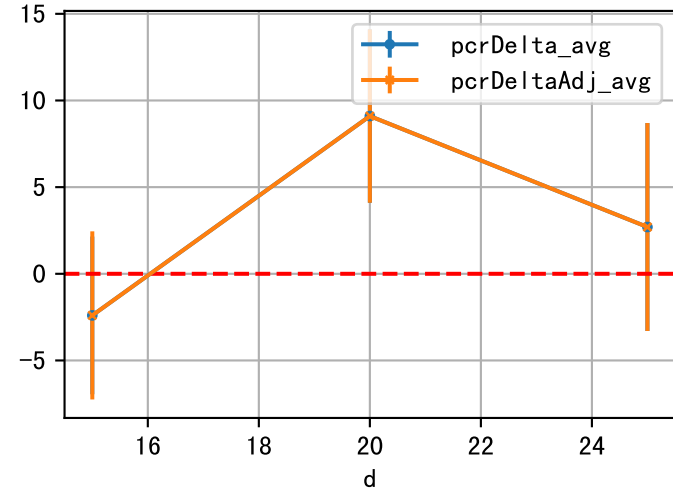
DeltaTypeAbbr=GrpByDay



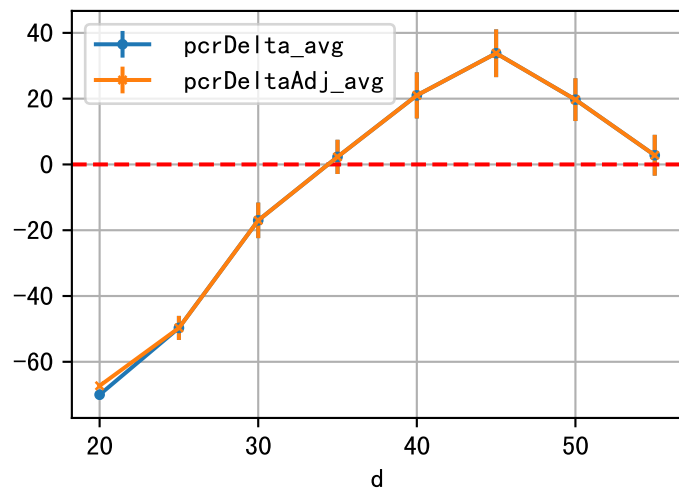
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

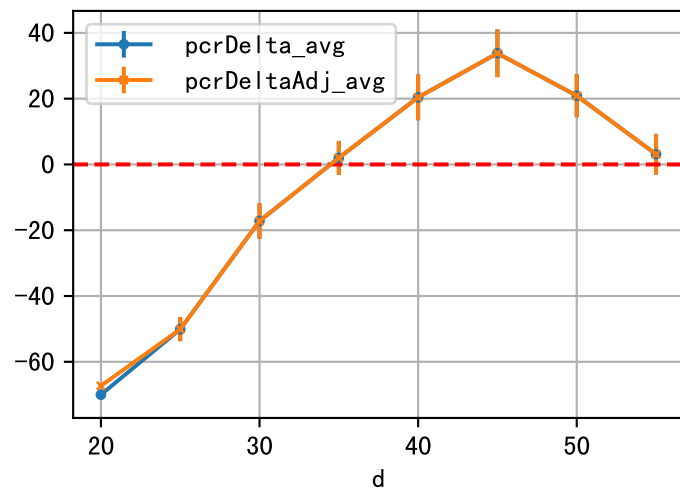


DeltaTypeAbbr=GrpByDay



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DeltaTypeAbbr=Wei AvgByD



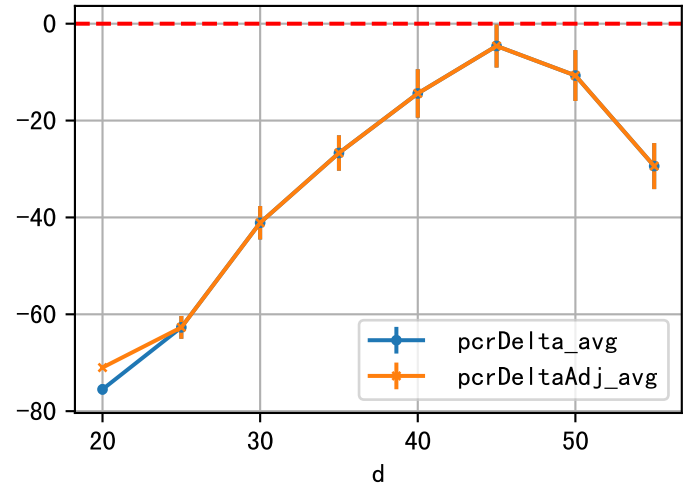
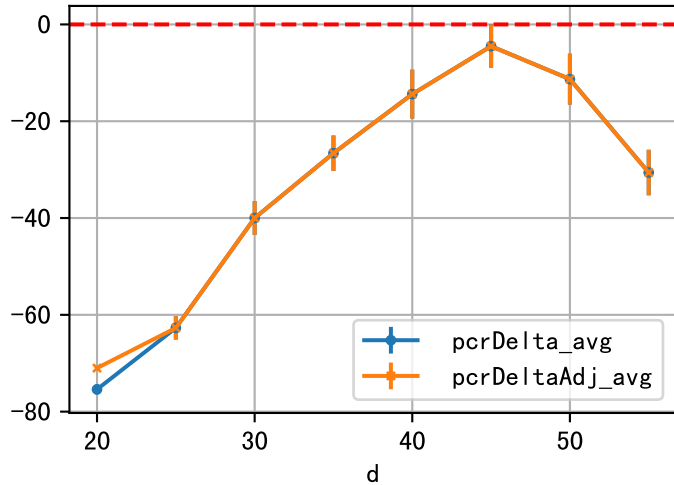
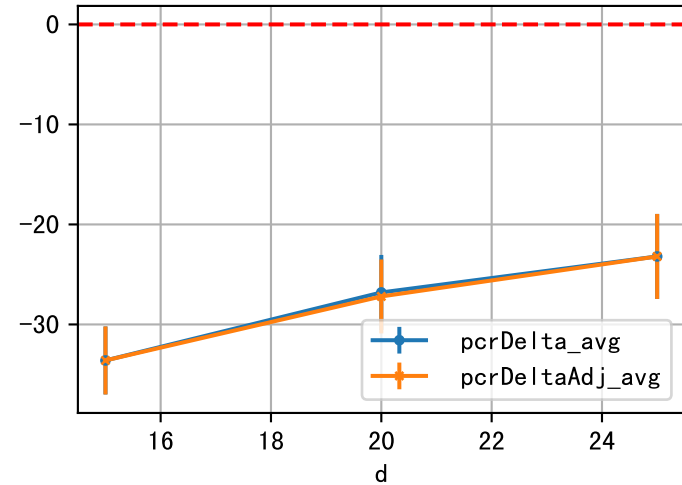
P3 LfA: D_Est_LfA

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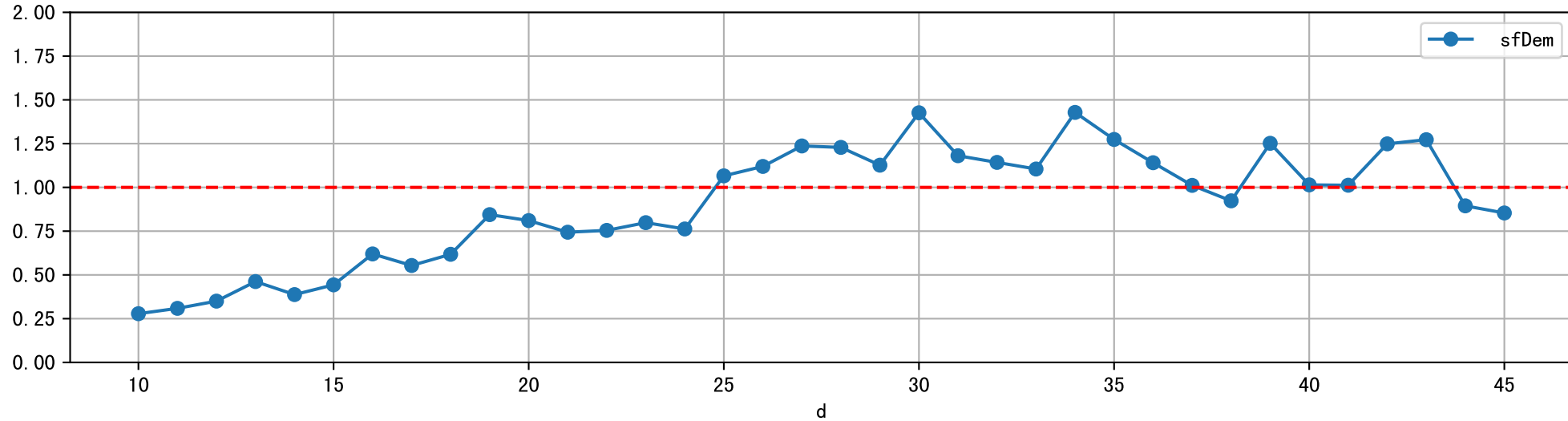
DeltaTypeAbbr=GrpByAge

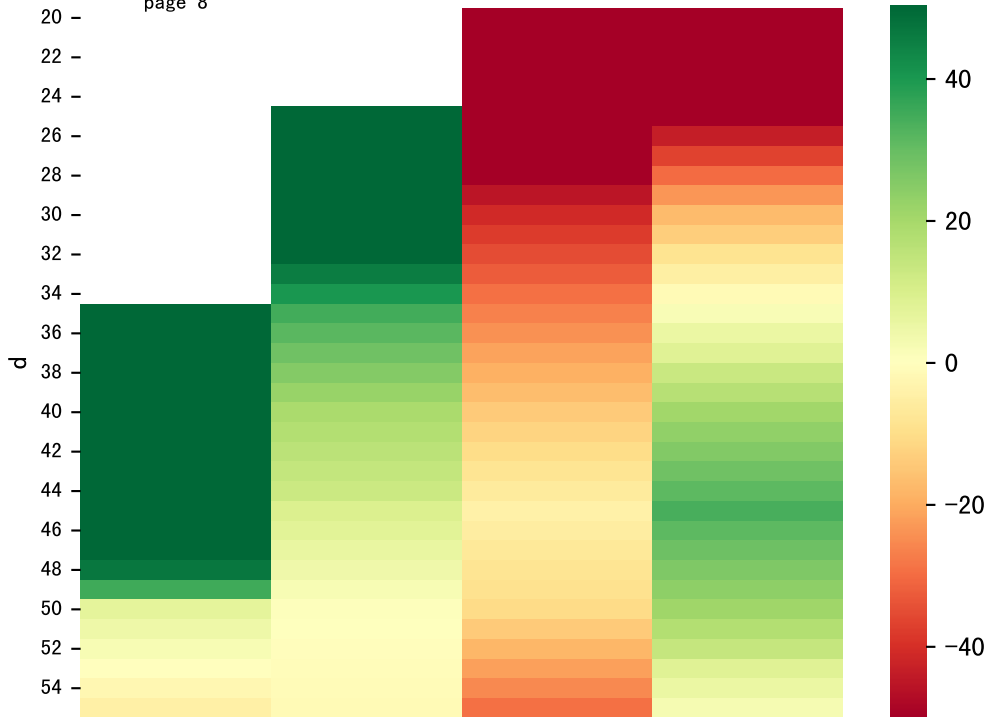
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

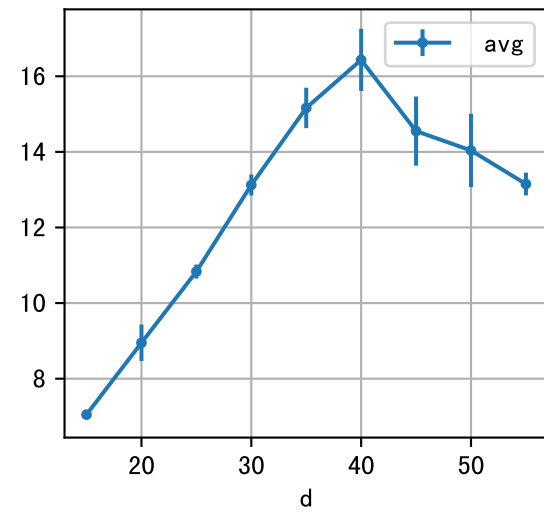


LfA: sfDem

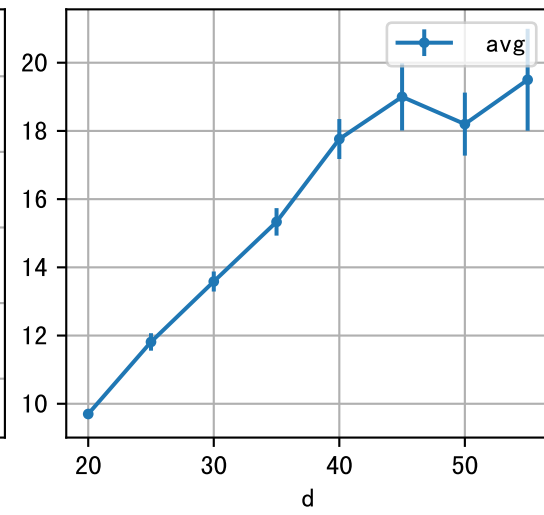




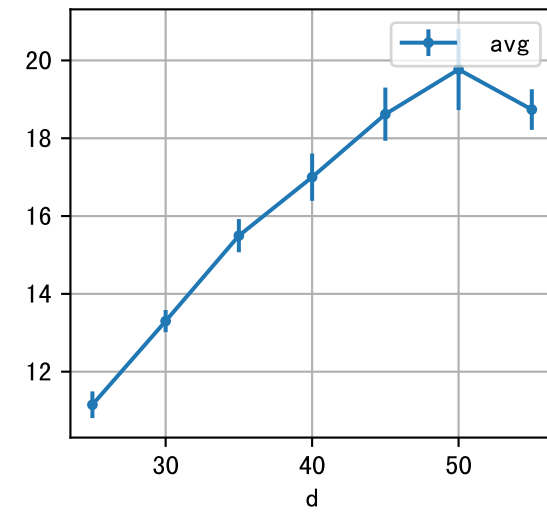
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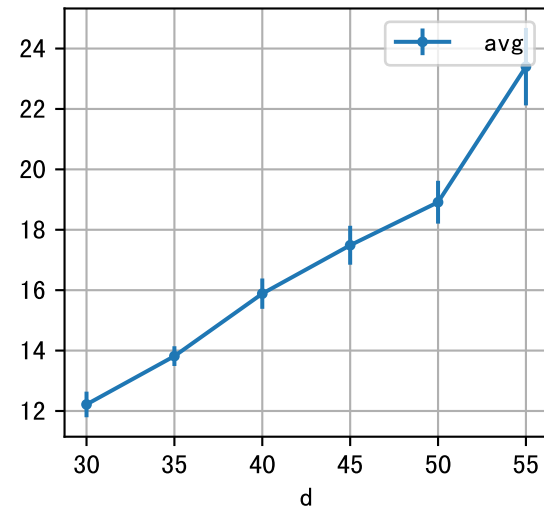
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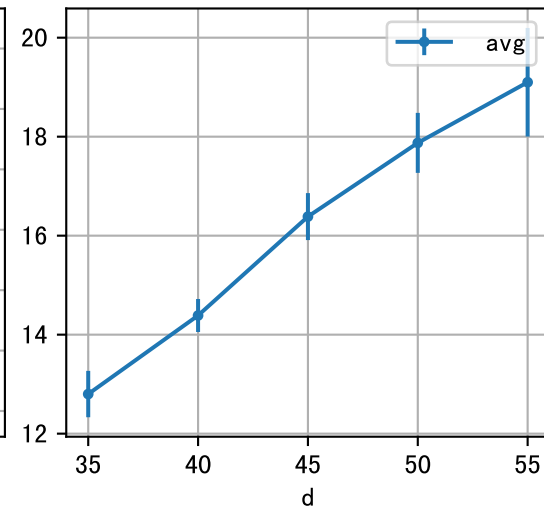
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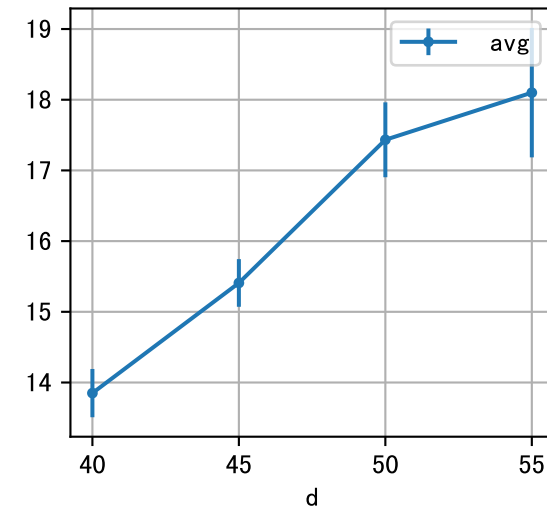
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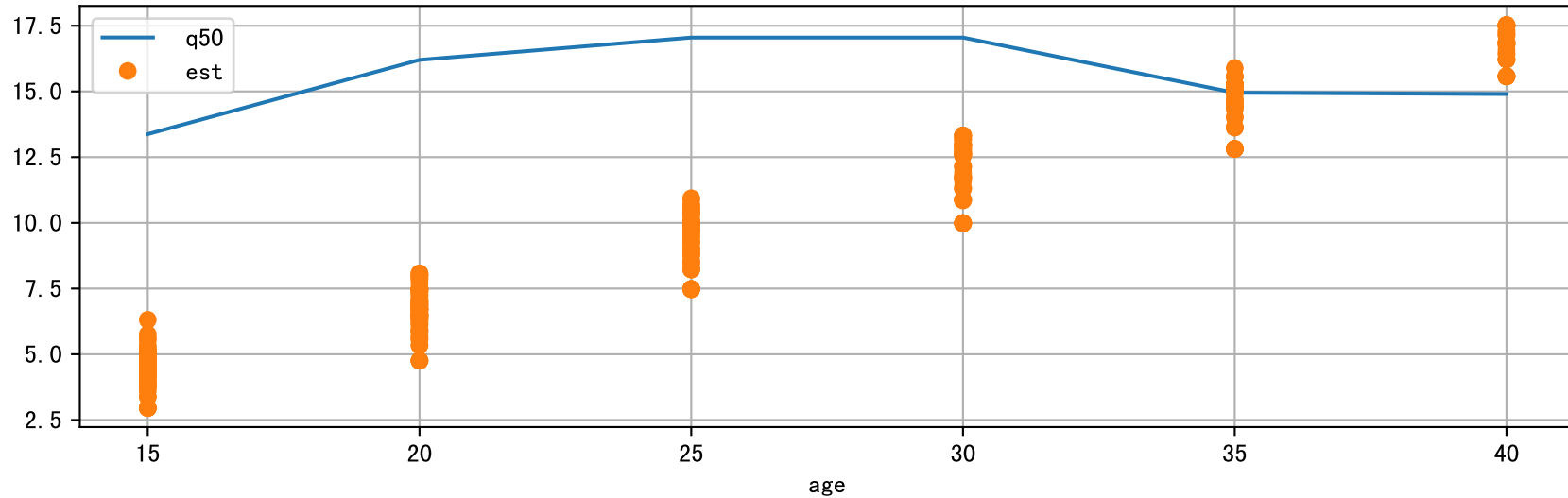
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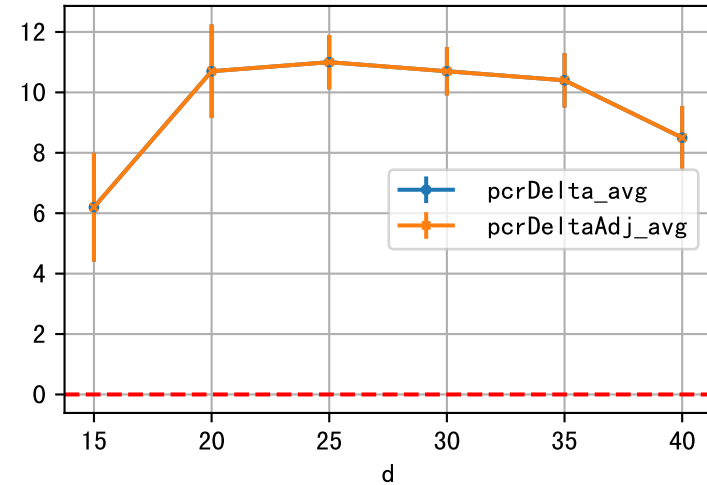
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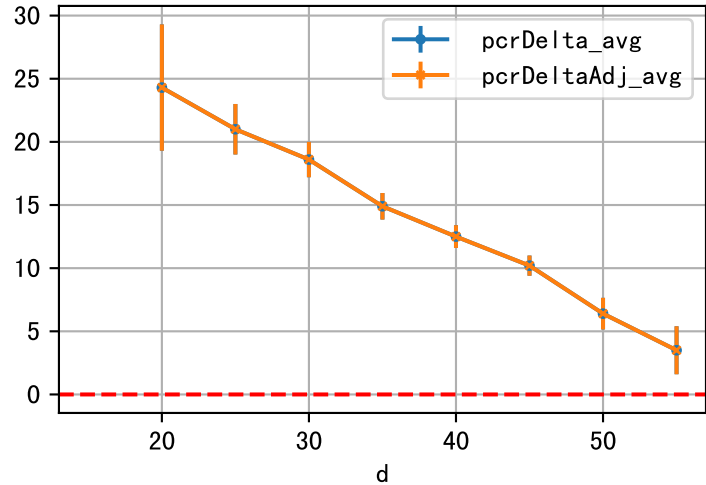
NdD: model est vs obs0v@Q50



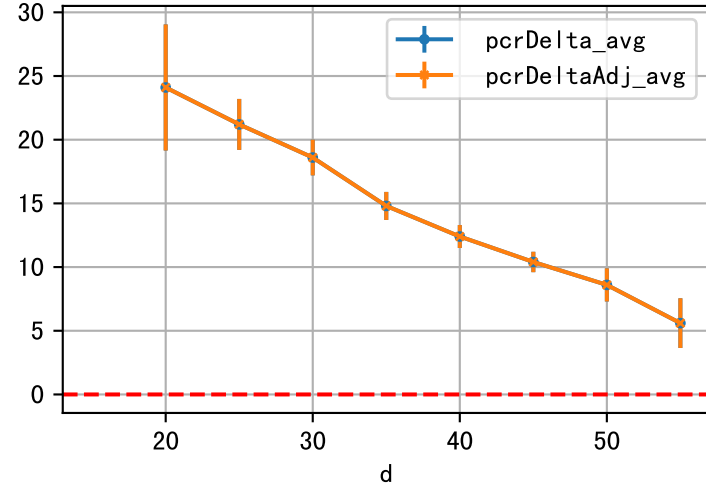
DeltaTypeAbbr=GrpByAge



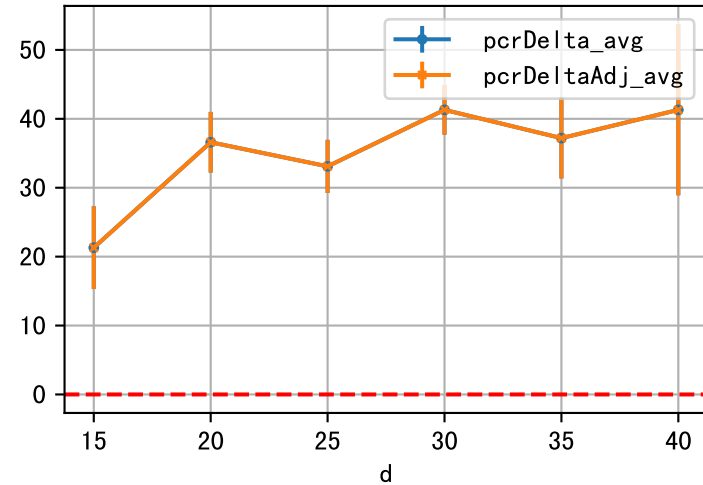
DeltaTypeAbbr=GrpByDay



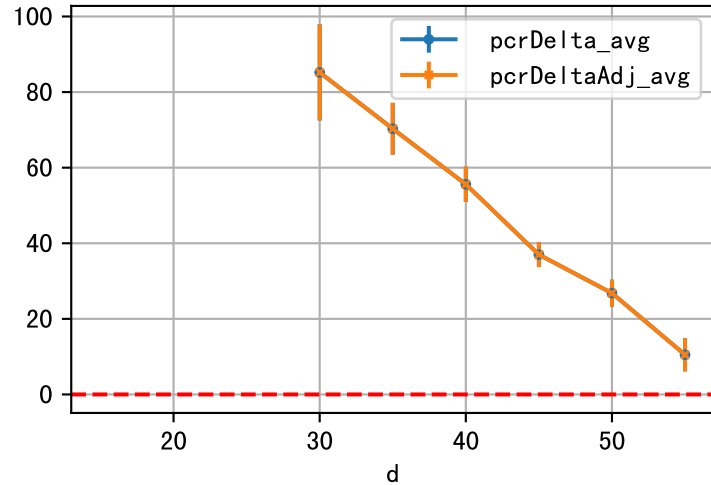
DeltaTypeAbbr=Wei AvgByD



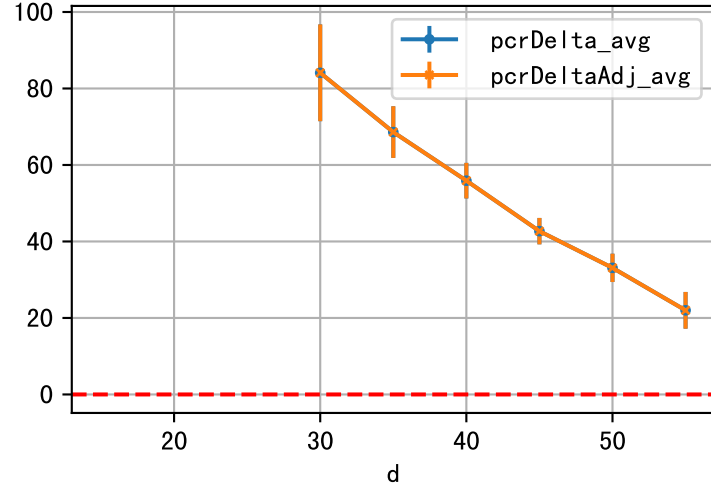
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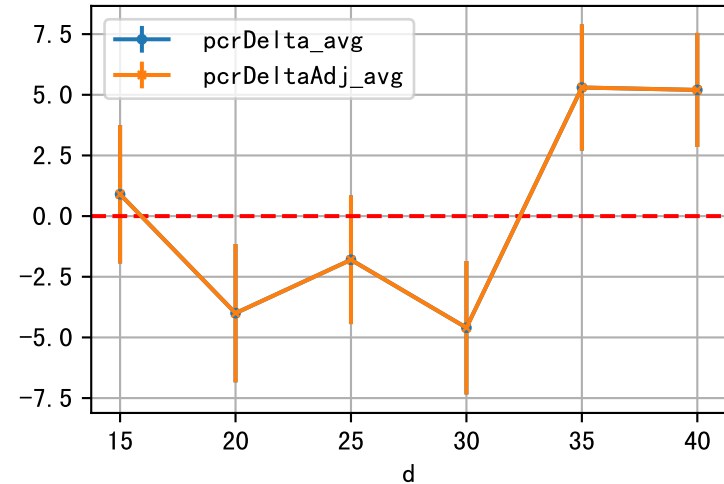
DeltaTypeAbbr=GrpByDay



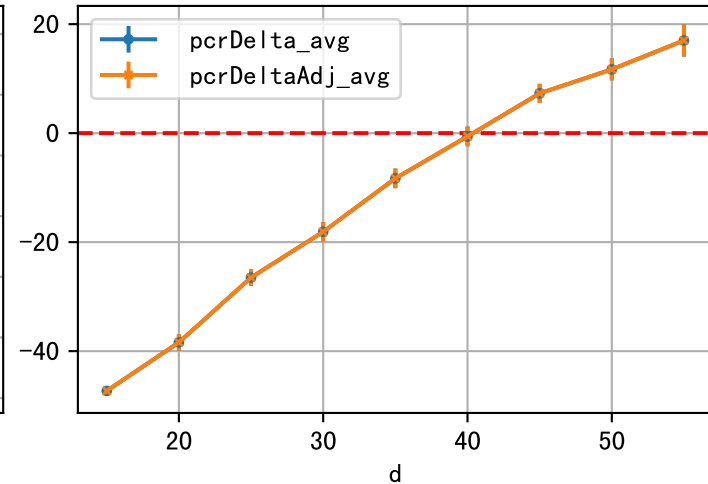
DeltaTypeAbbr=Wei AvgByD



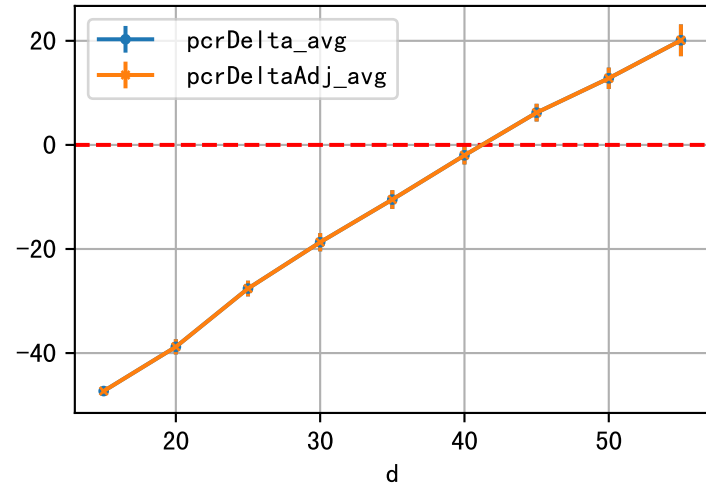
DeltaTypeAbbr=GrpByAge



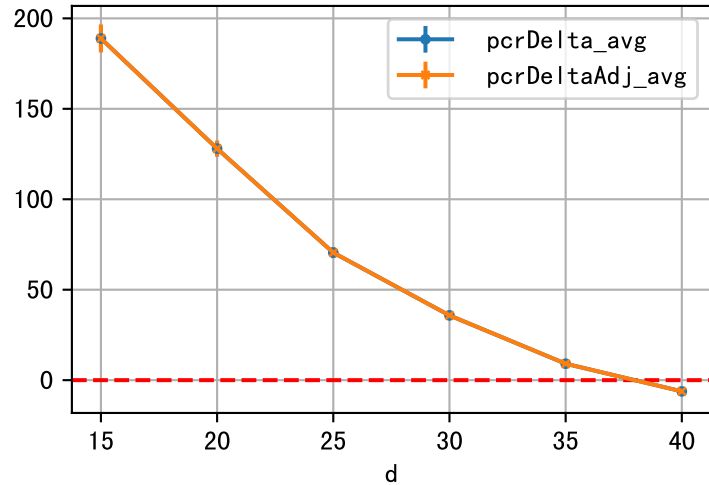
DeltaTypeAbbr=GrpByDay



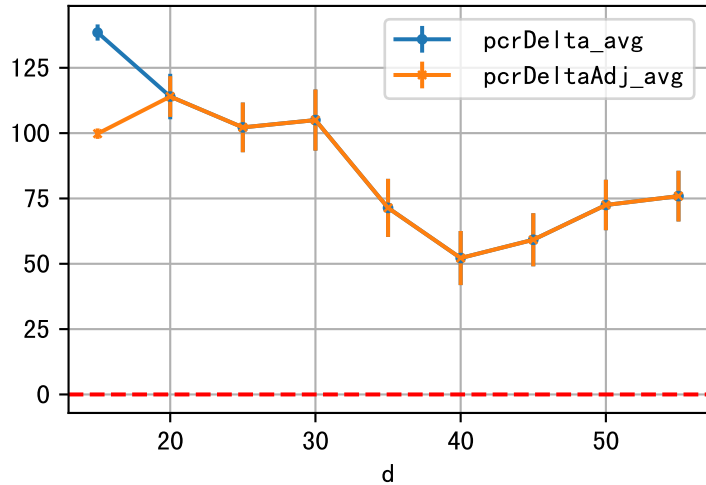
DeltaTypeAbbr=Wei AvgByD



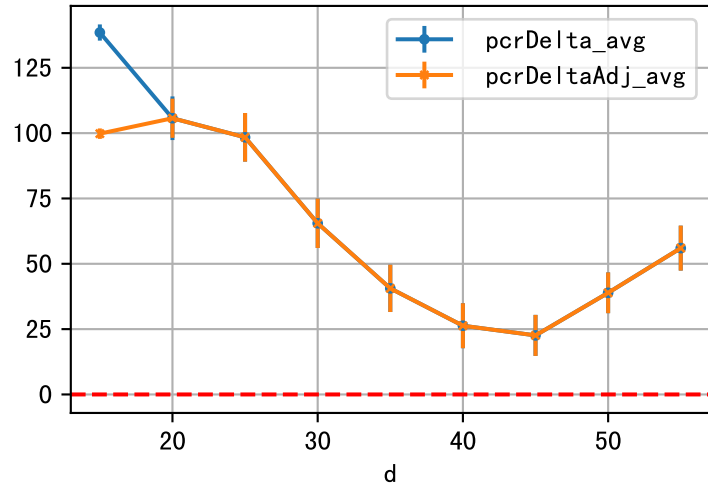
DeltaTypeAbbr=GrpByAge



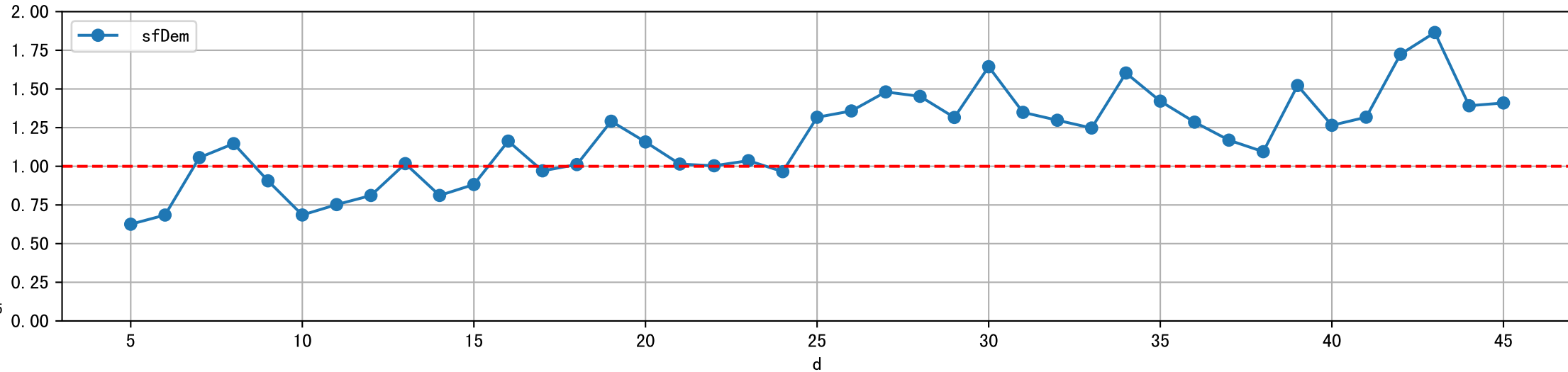
DeltaTypeAbbr=GrpByDay

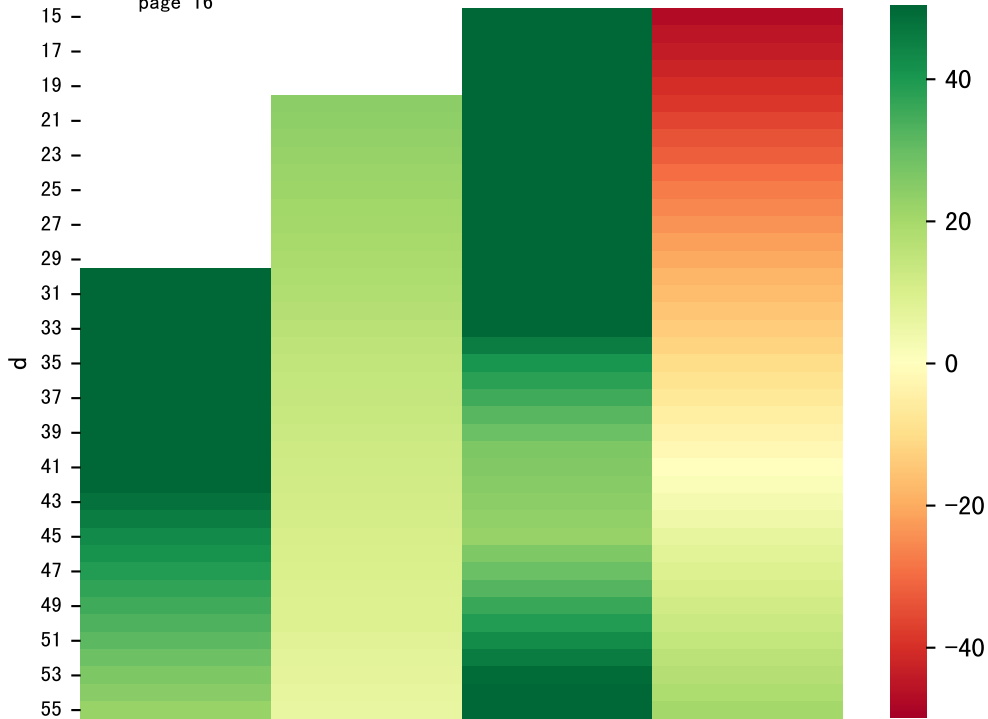


DeltaTypeAbbr=Wei AvgByD

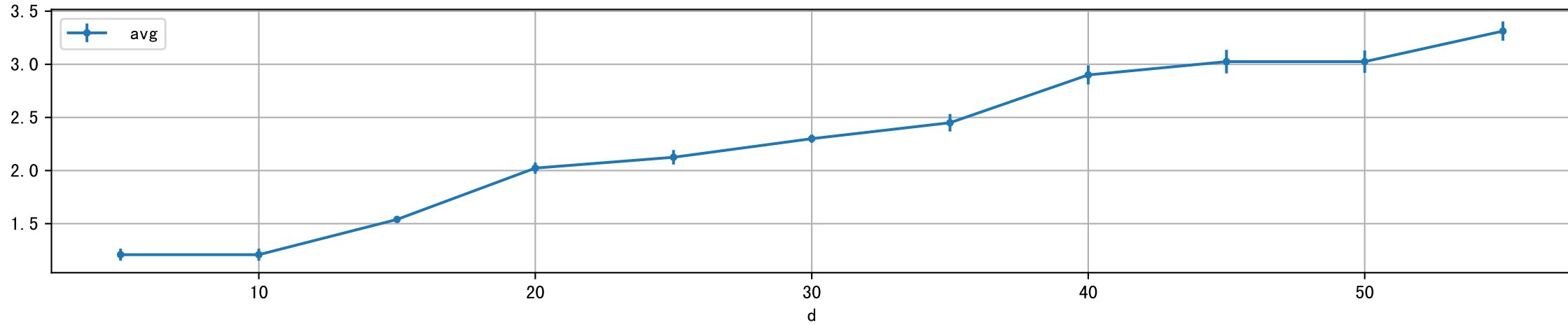


NdD: sfDem

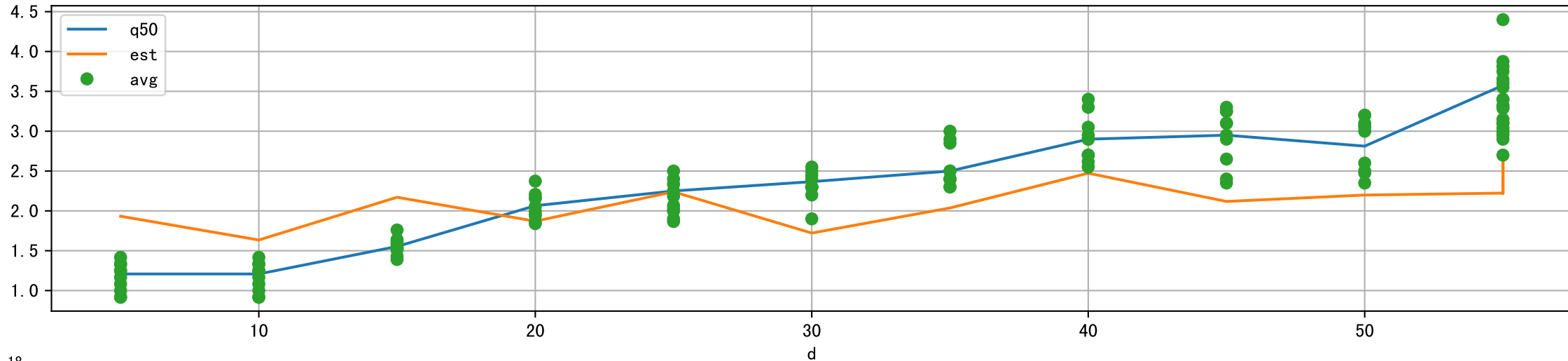




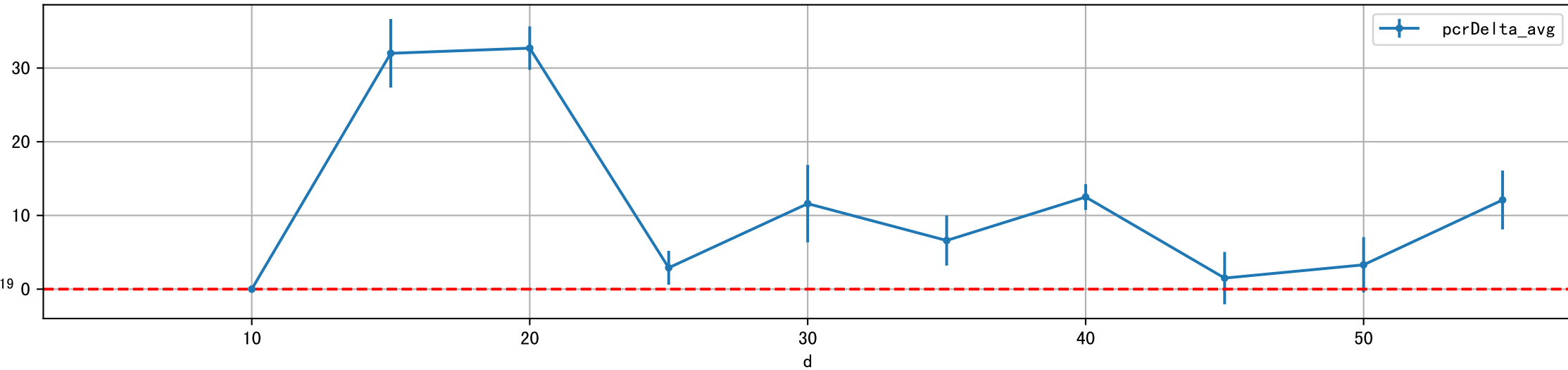
dStH: avg vs. d



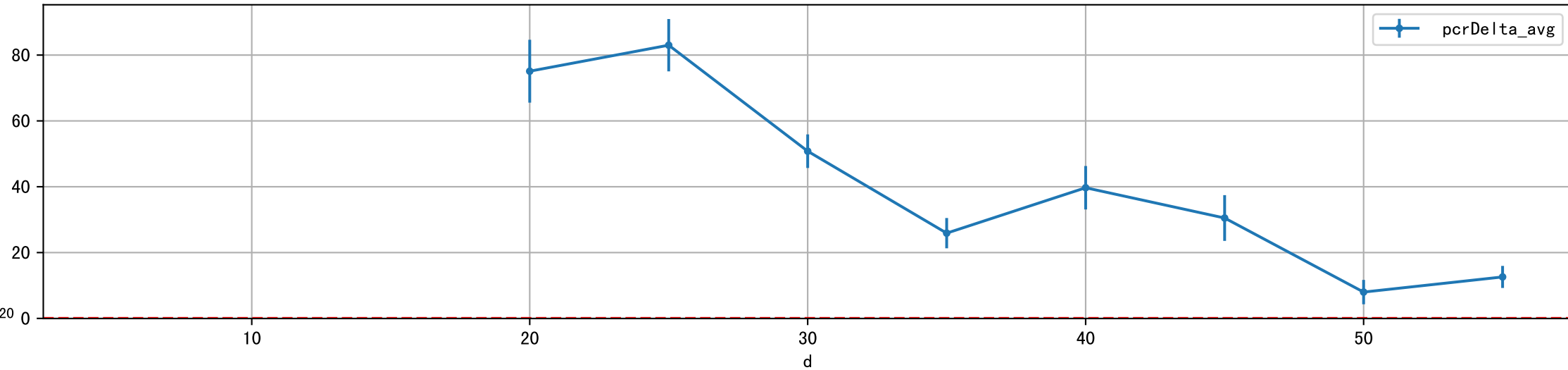
dStH: obsAvg vs obs0v@Q50



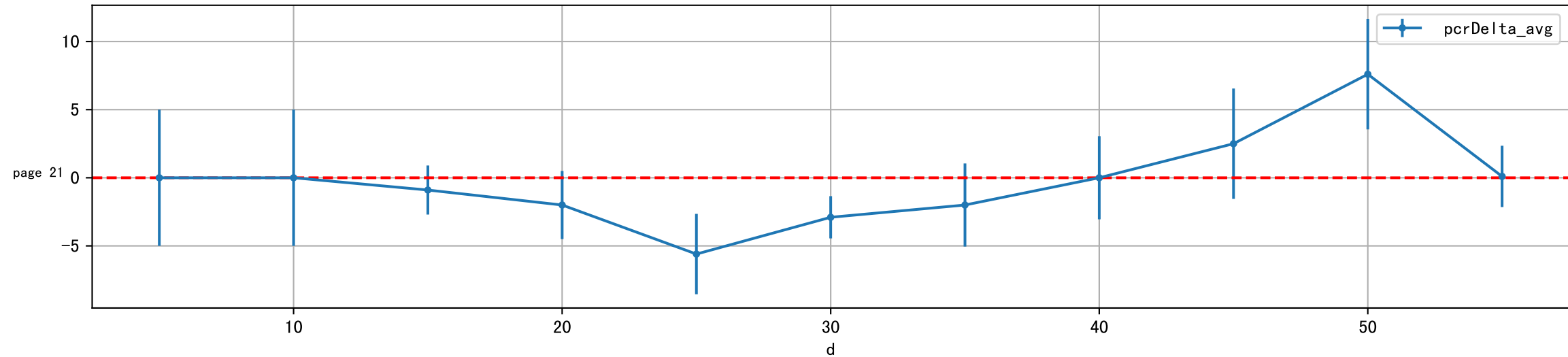
dStH: D_5d_StH



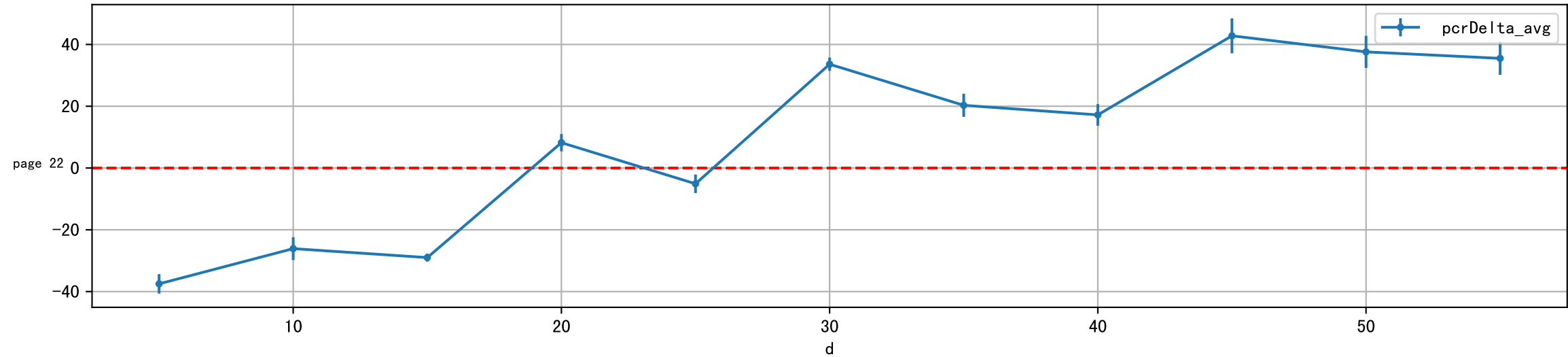
dStH: D_15d_StH



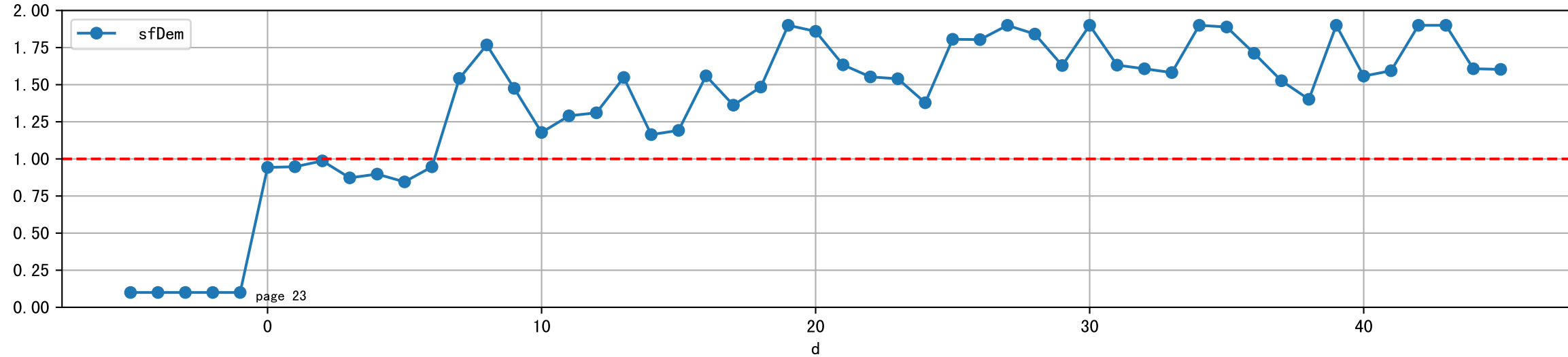
dStH: D_Q50_StH

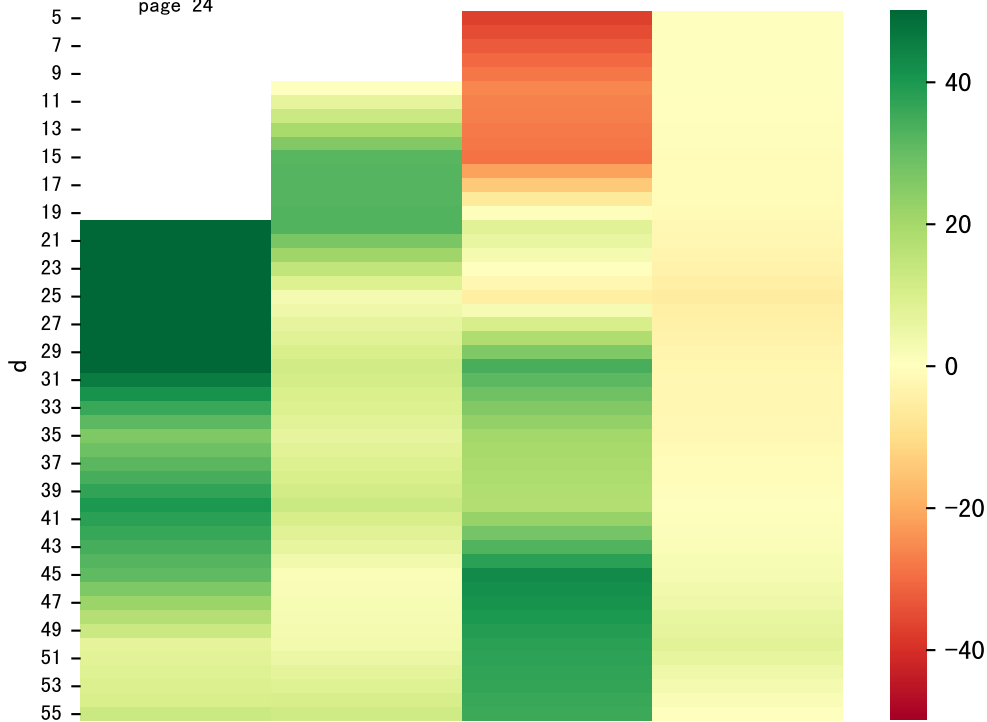


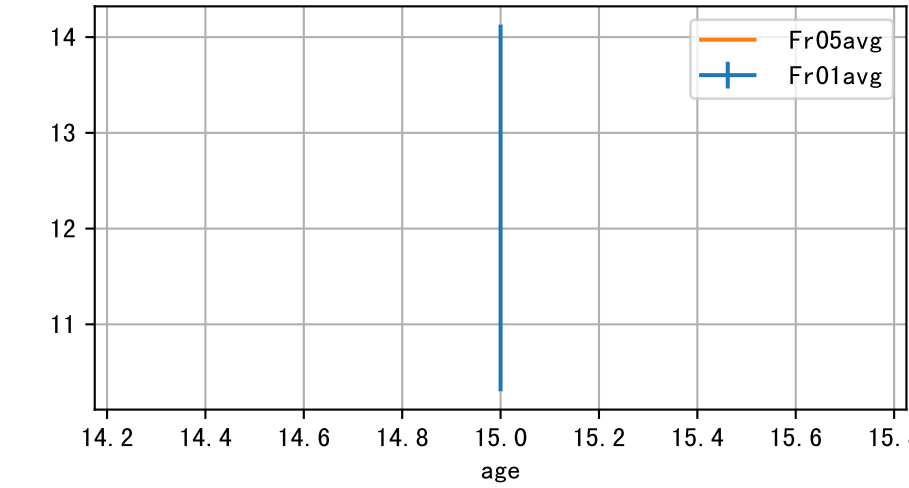
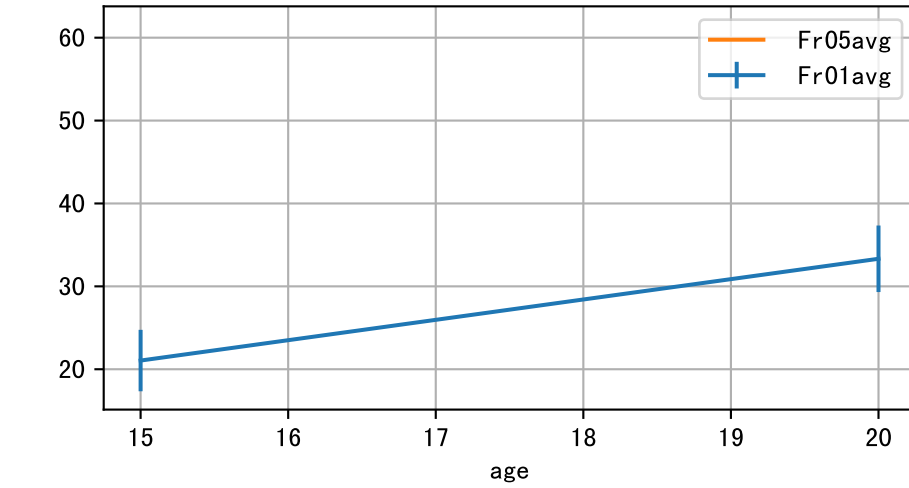
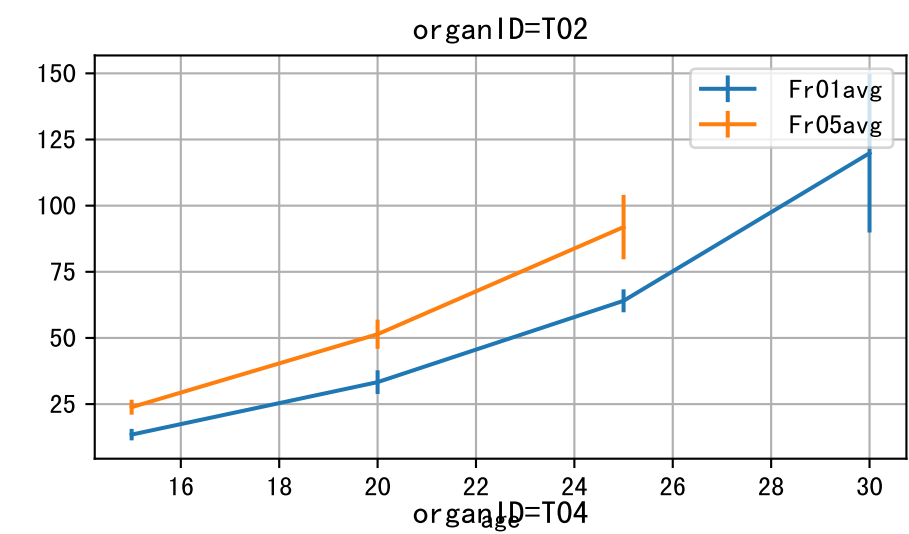
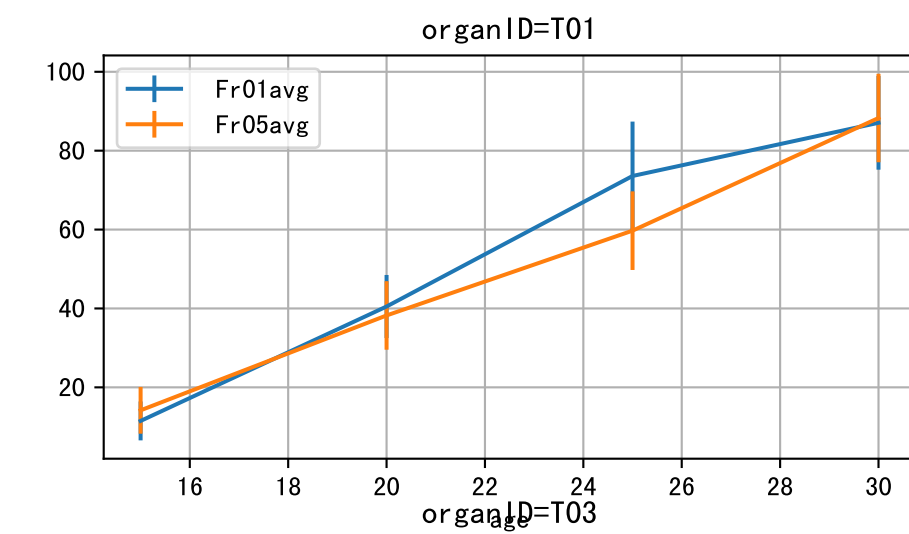
dStH: D_Est_StH



dStH: sfDem

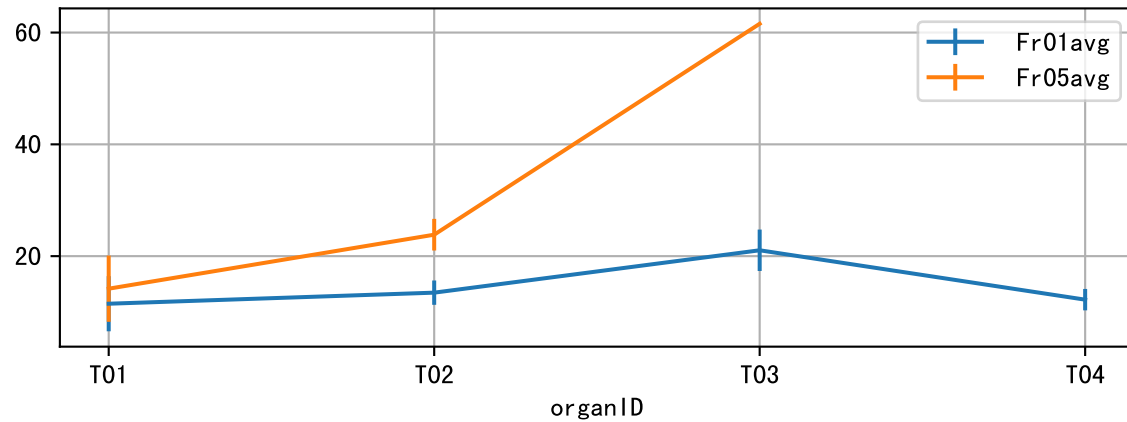




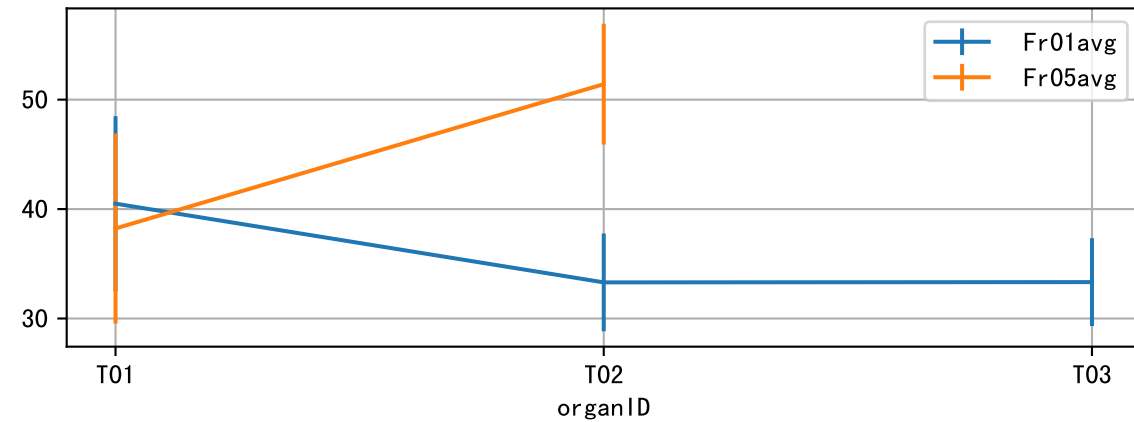


FrV trend at each age

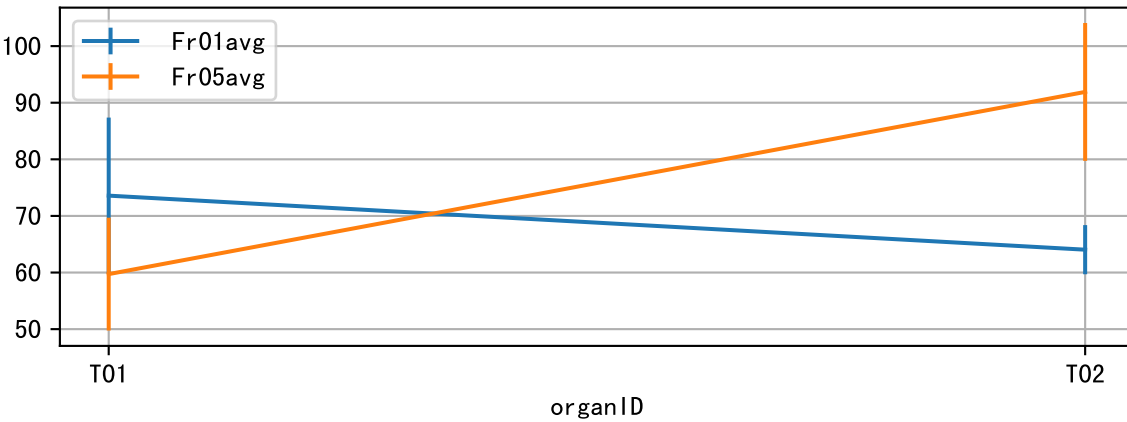
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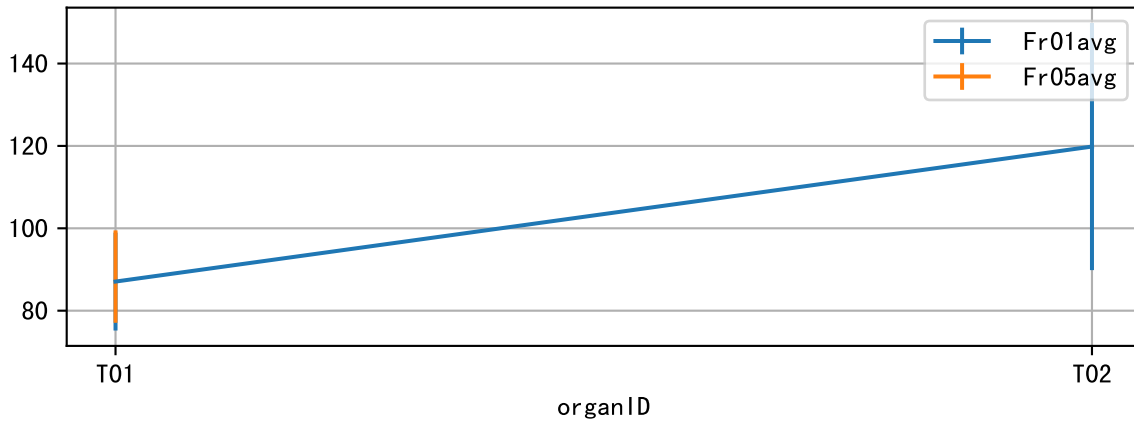
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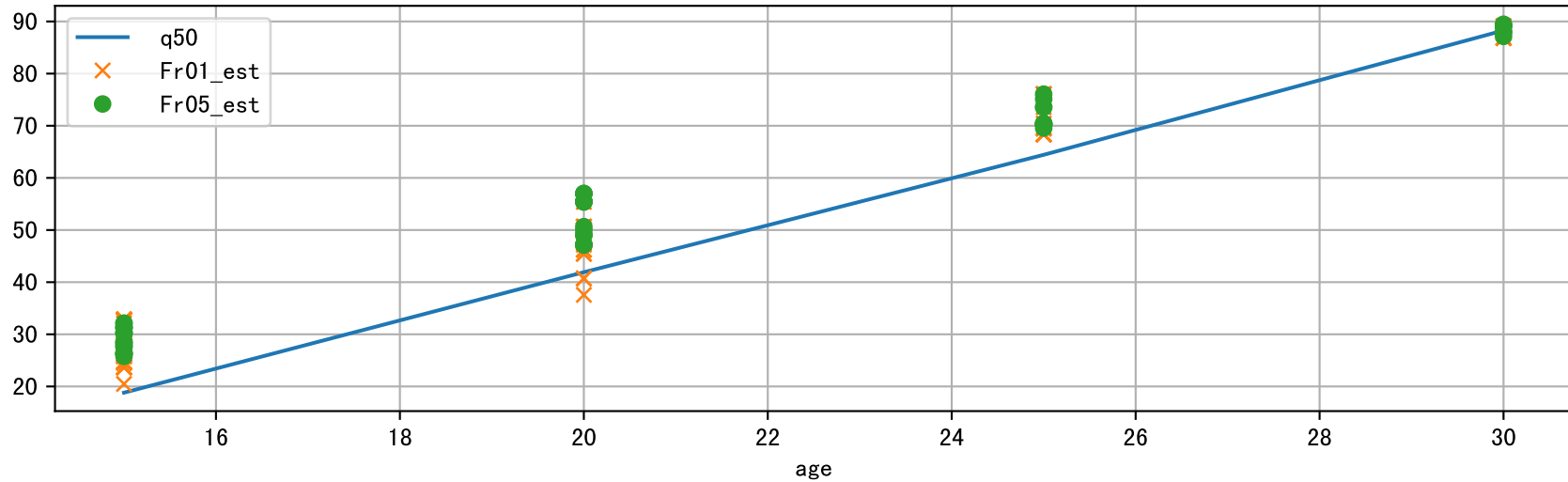
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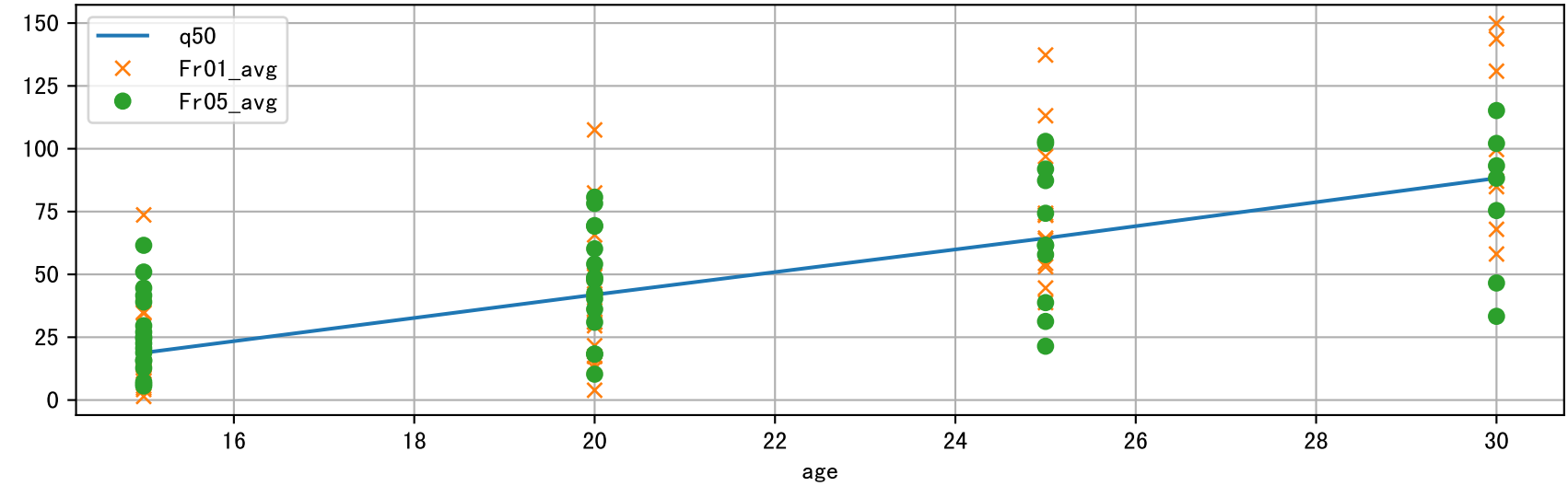
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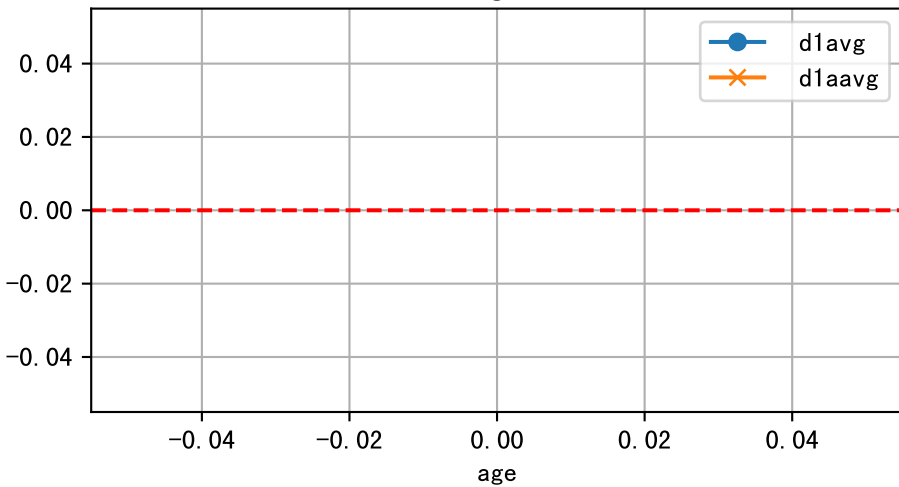
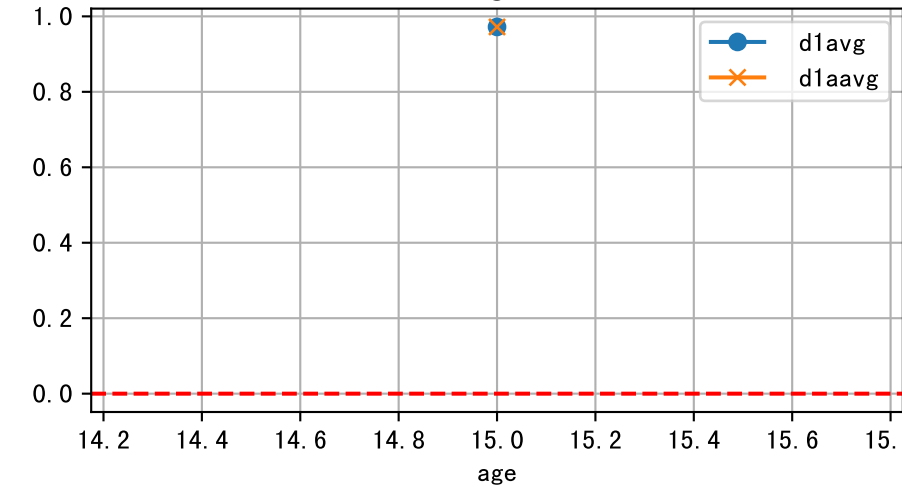
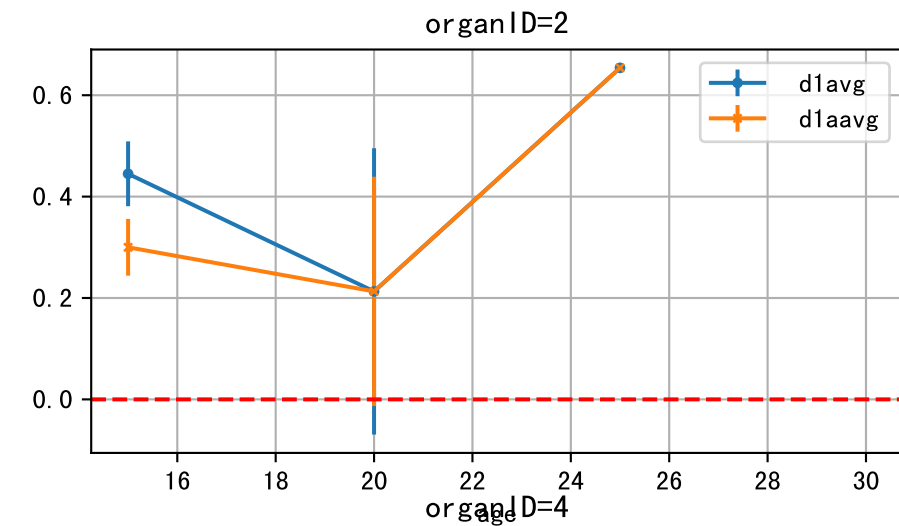
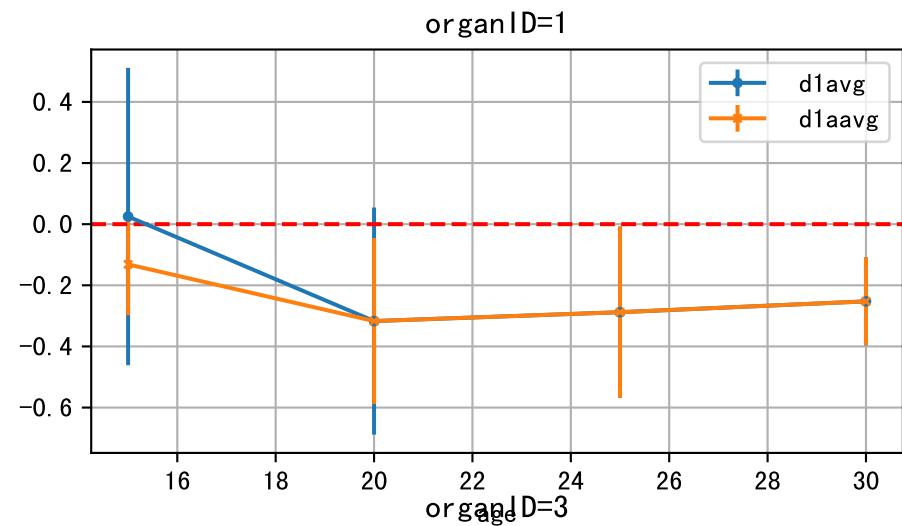


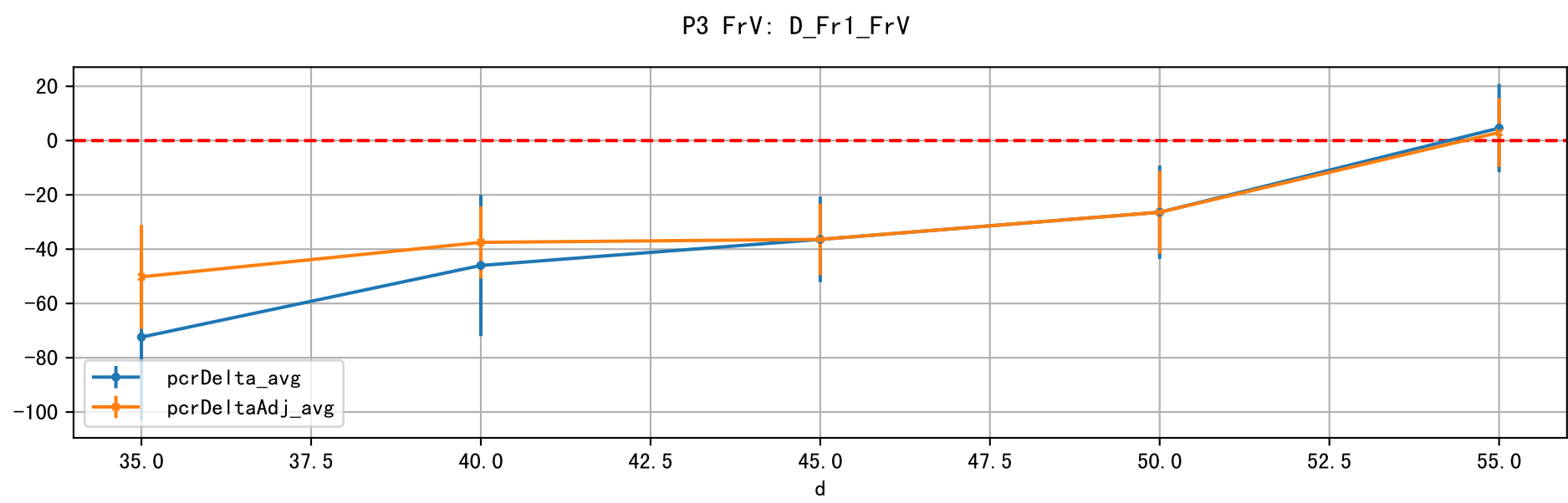
FrV: model Est vs obsFrV at Q90



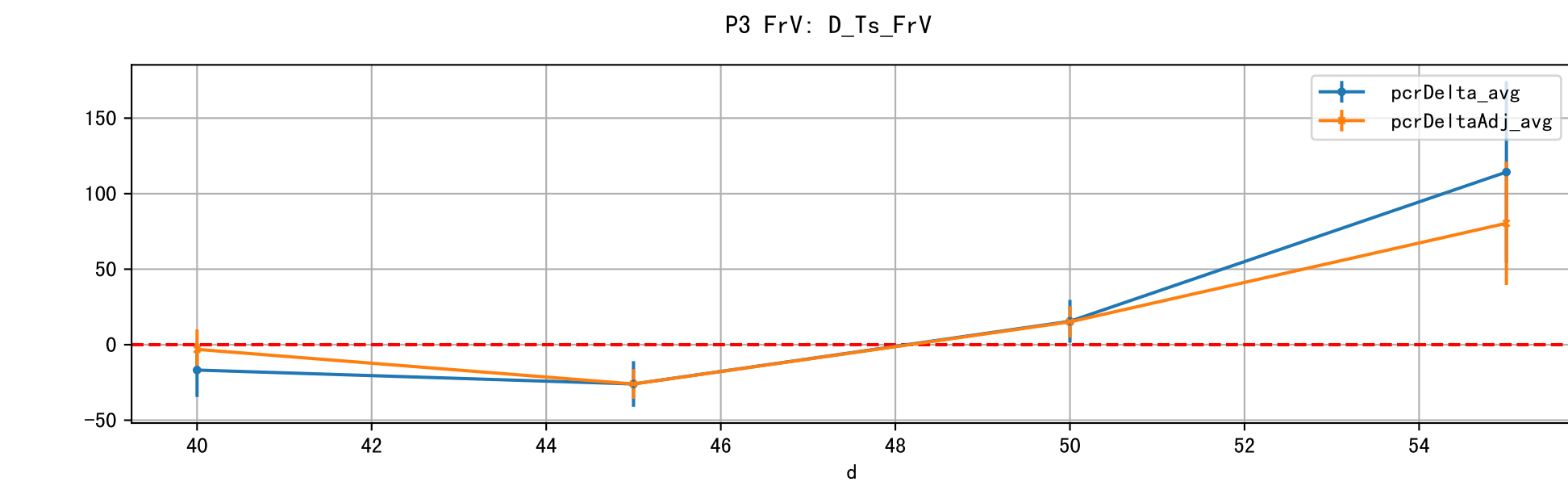
FrV: obsFrV vs obsFrV@Q90





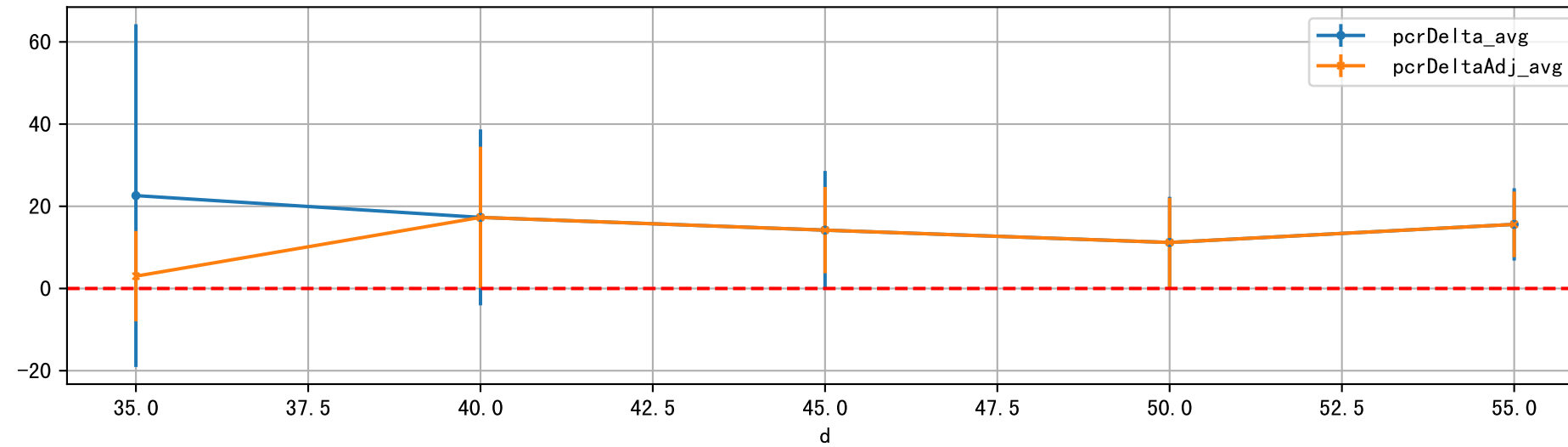






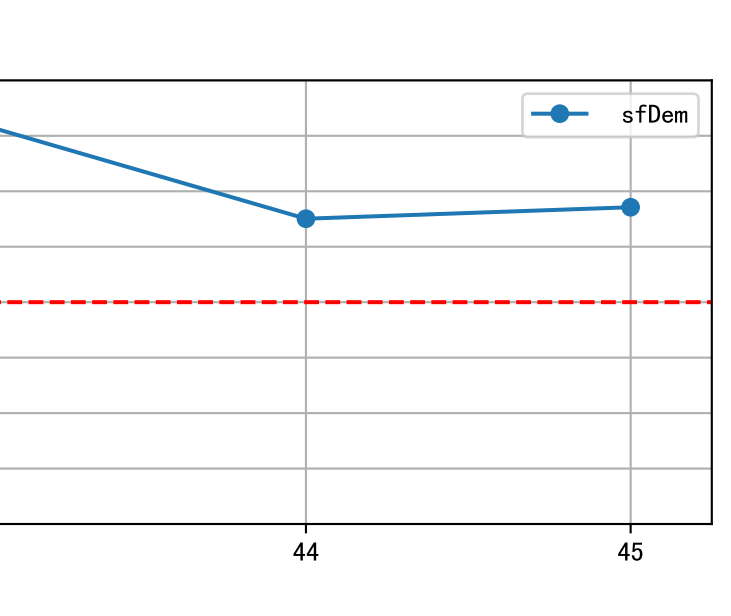


P3 FrV: D_Q50_FrV

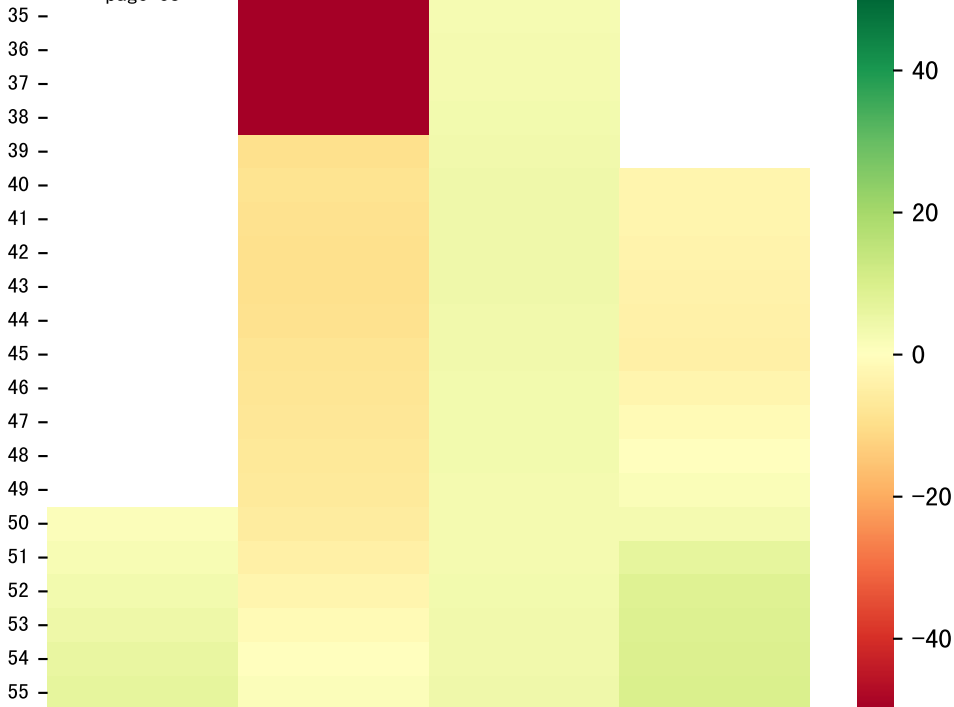








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