

Phenotype Data Analysis Plots

PhenoData day range = 5 – 49

Analysis cutoff day = 49

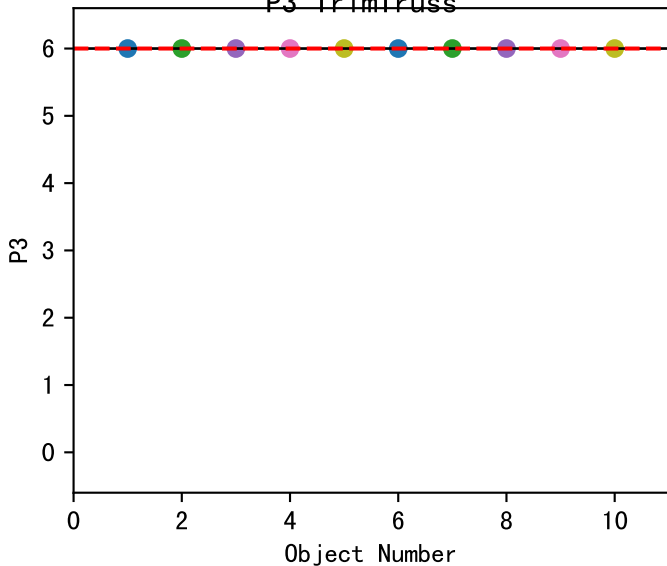
NC11 P3

2025-05-25 (Day 50)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

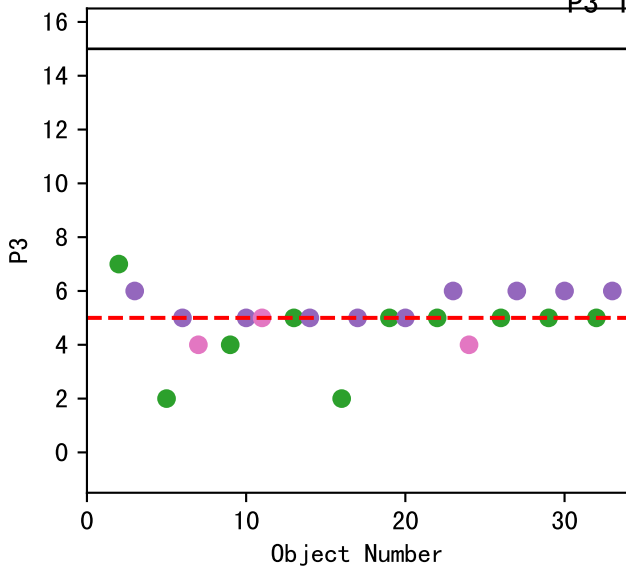
P3 TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

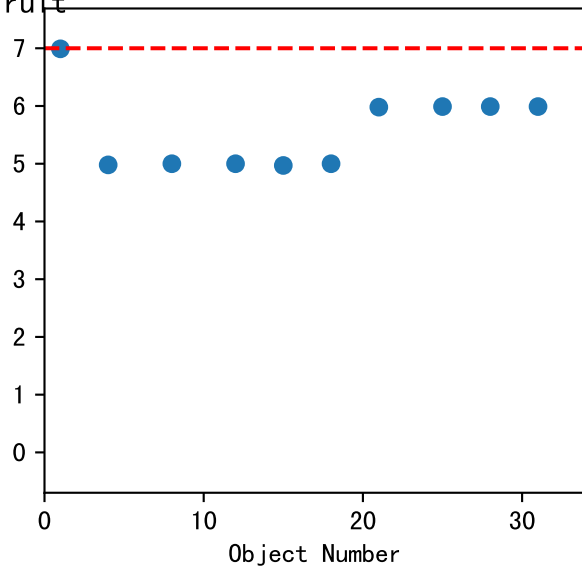
avg1=5.0~9% avg2=na

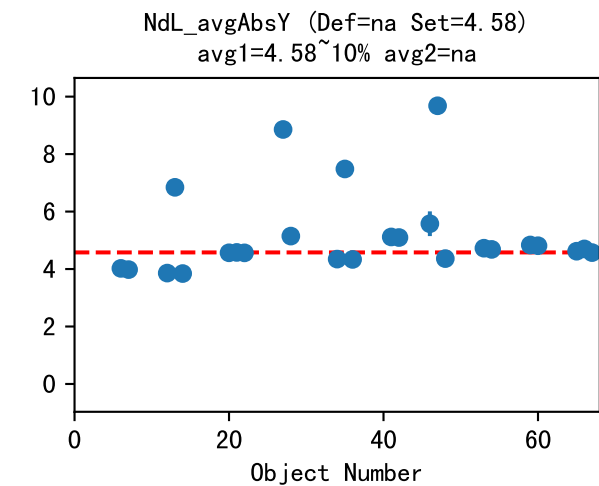
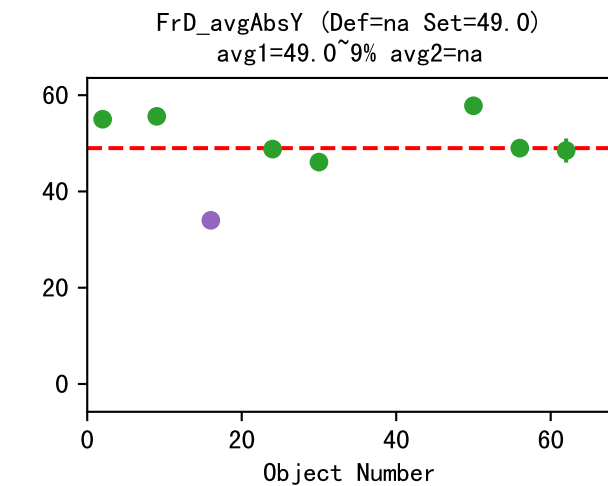
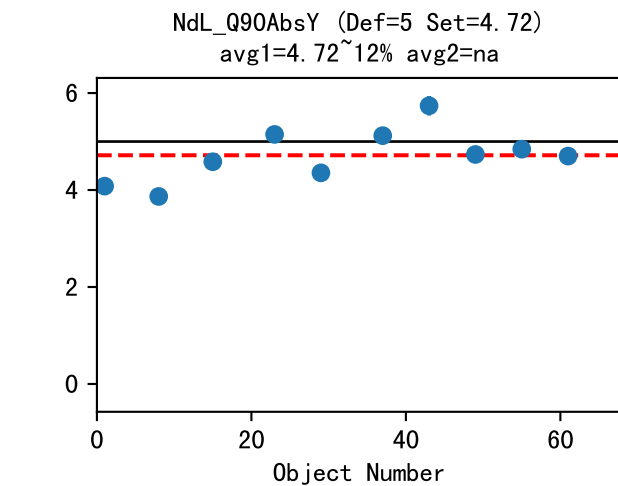
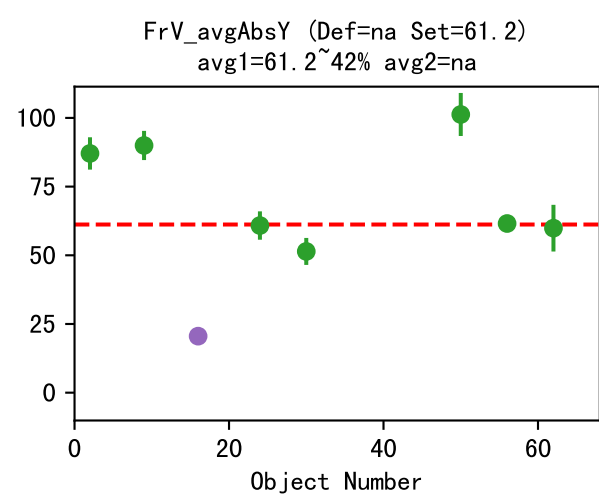
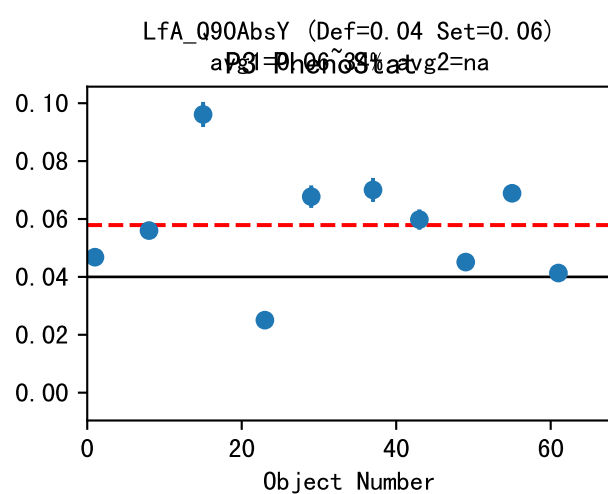
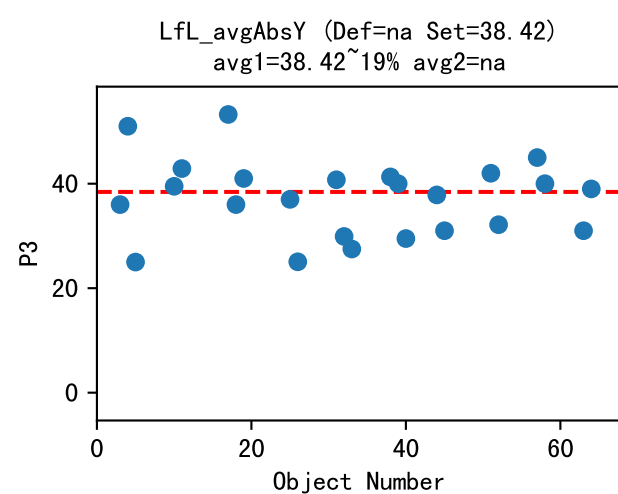
P3 TrimFruit



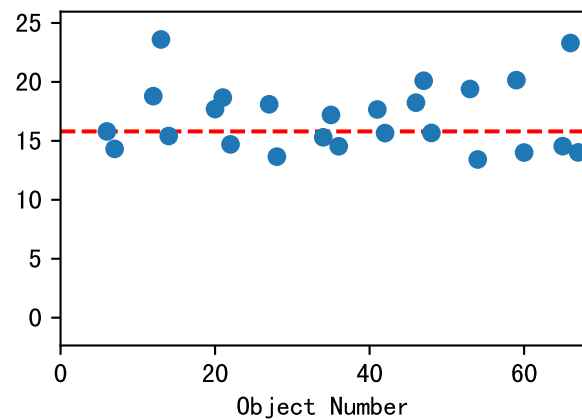
FruitNumMaxPerTruss (Def=na Set=7)

avg1=7.0~11% avg2=na

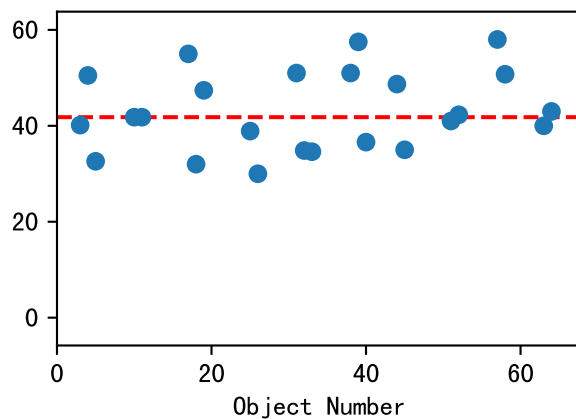




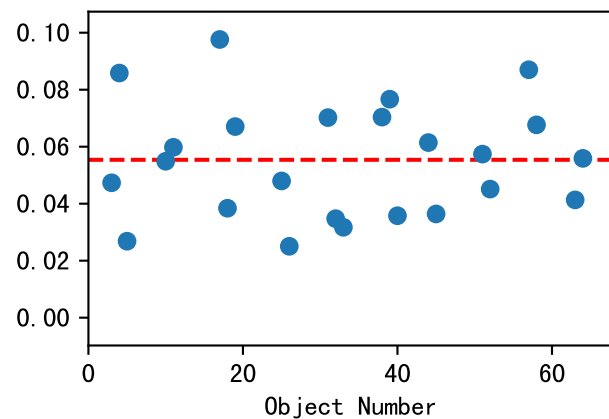
NdD_avgAbsY (Def=na Set=15.8)
avg1=15.8~18% avg2=na



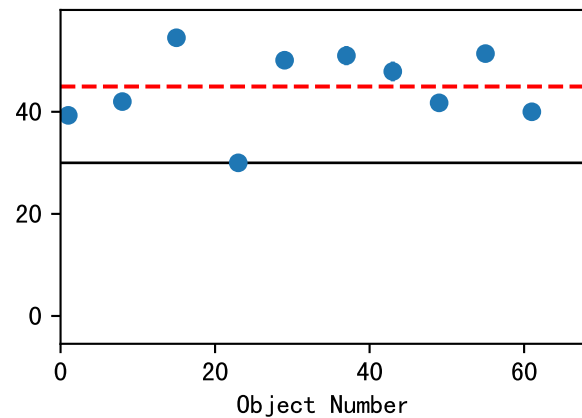
LfW_avgAbsY (Def=na Set=41.8)
avg1=41.8~29% avg2=na



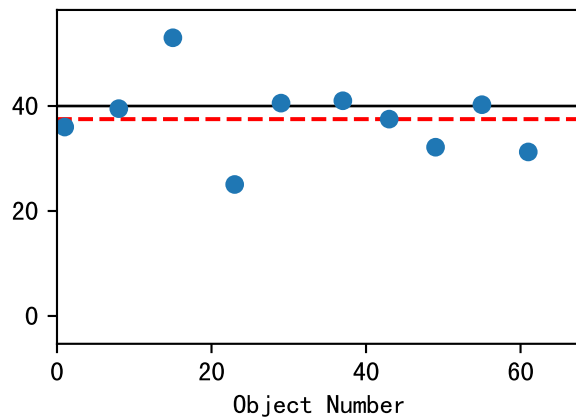
LfA_avgAbsY (Def=na Set=0.06)
avg1=0.06~36% avg2=na



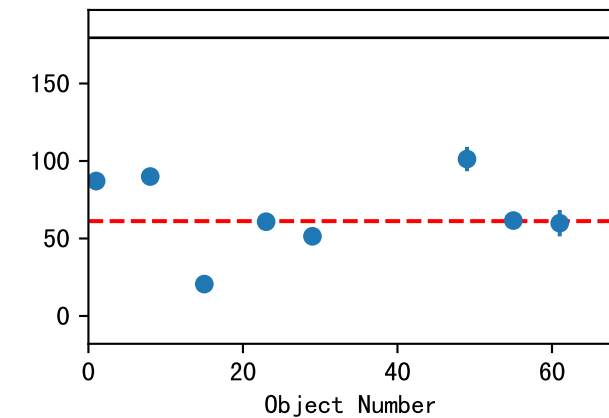
LfW_Q90AbsY (Def=30 Set=44.95)
avg1=44.95~17% avg2=na



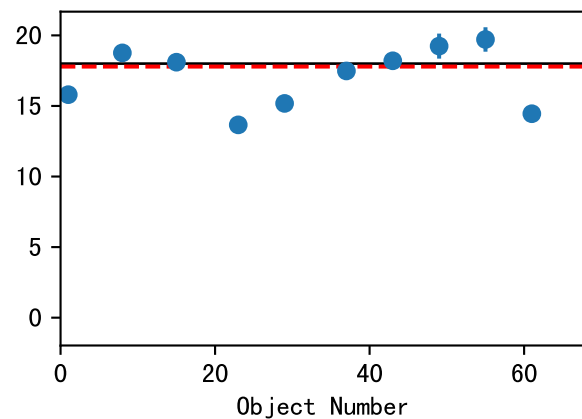
LfL_Q90AbsY (Def=40 Set=37.5)
avg1=37.5~14% avg2=na



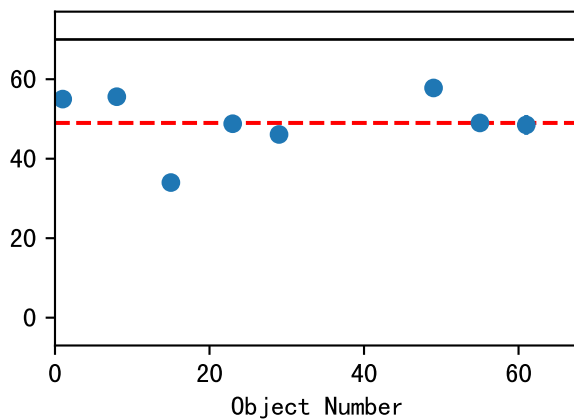
FrV_Q90AbsY (Def=179.5 Set=61.2)
avg1=61.2~42% avg2=na



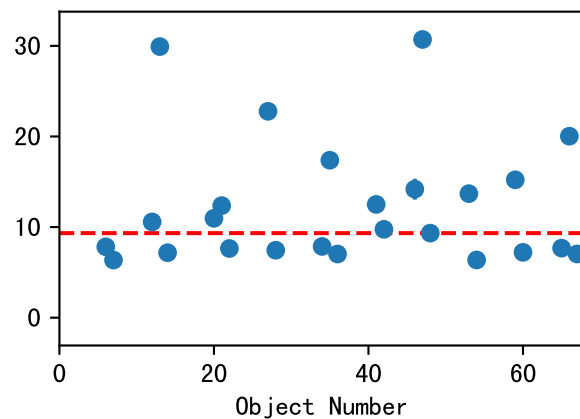
NdD_Q90AbsY (Def=18 Set=17.79)
avg1=17.79~12% avg2=na



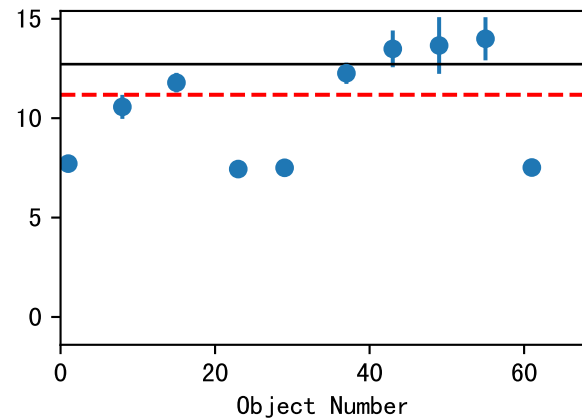
FrD_Q90AbsY (Def=70 Set=49.0)
avg1=49.0~9% avg2=na



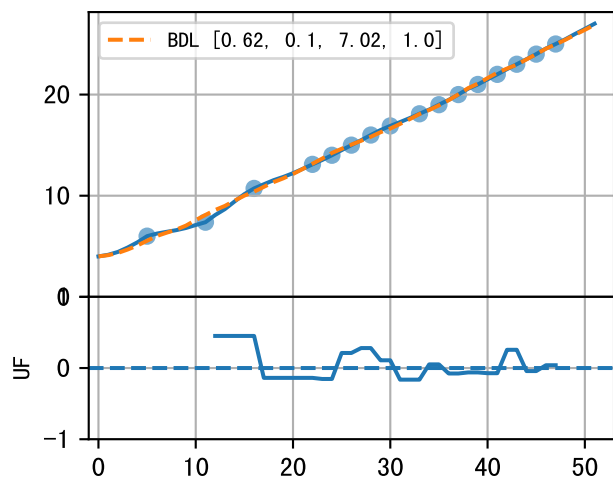
NdV_avgAbsY (Def=na Set=9.33)
avg1=9.33~49% avg2=na



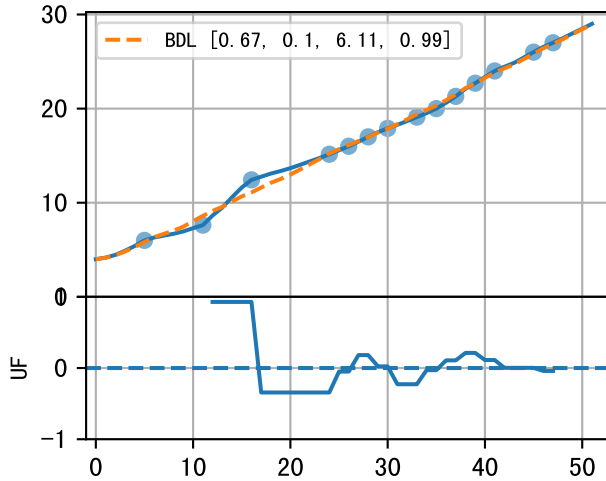
NdV_Q90AbsY (Def=12.72 Set=11.18)
avg1=11.18~25% avg2=na



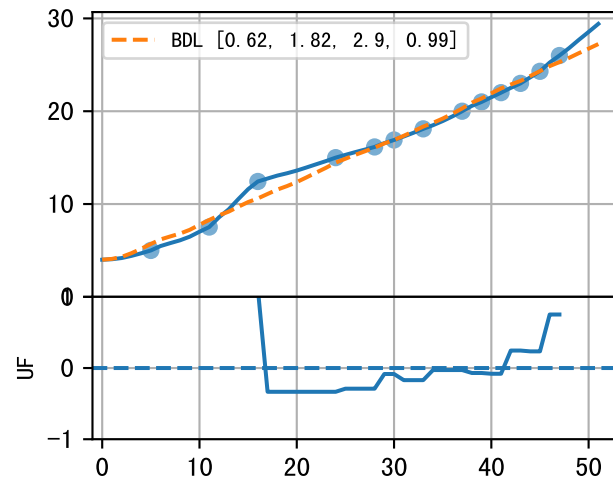
P3-009-13 (fit failed)



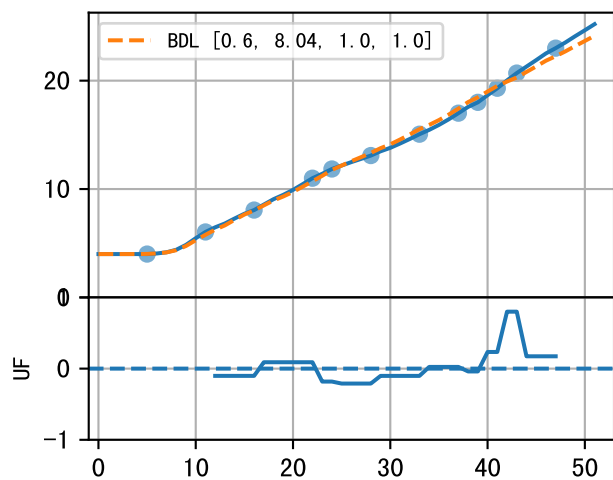
P3-021-19 (fit failed)



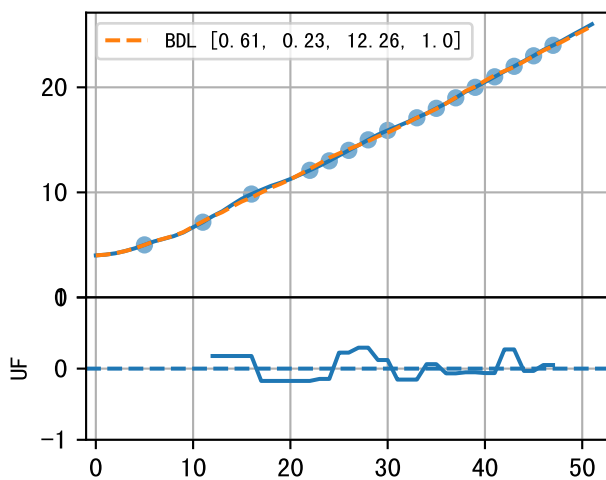
P3-034-5 (fit failed)



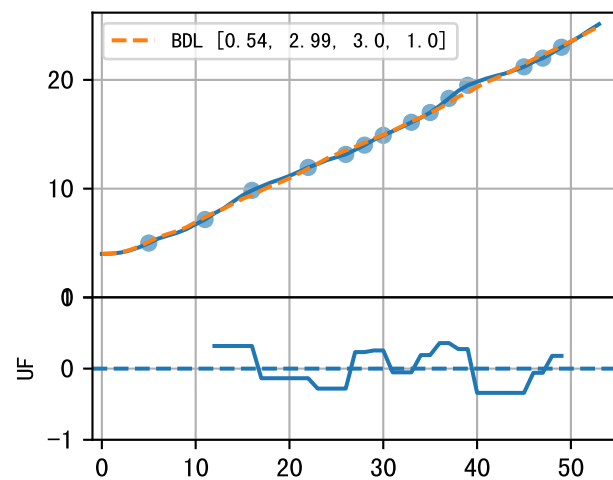
P3-045-17 (fit failed)



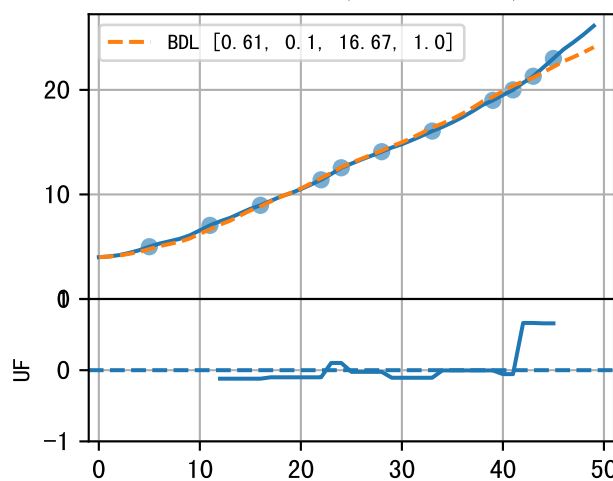
P3-054-28 (fit failed)



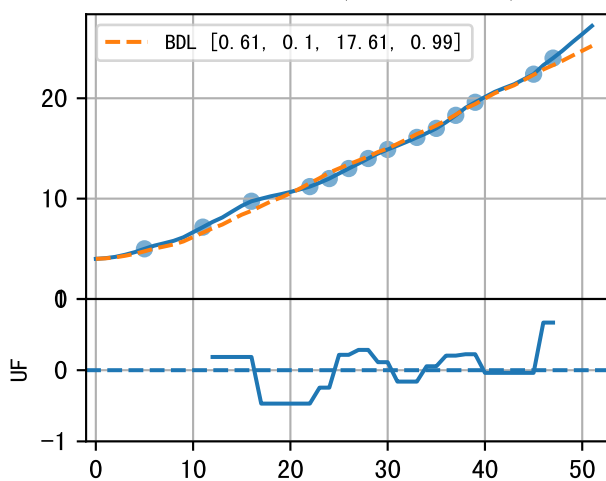
P3-068-4 (fit failed)



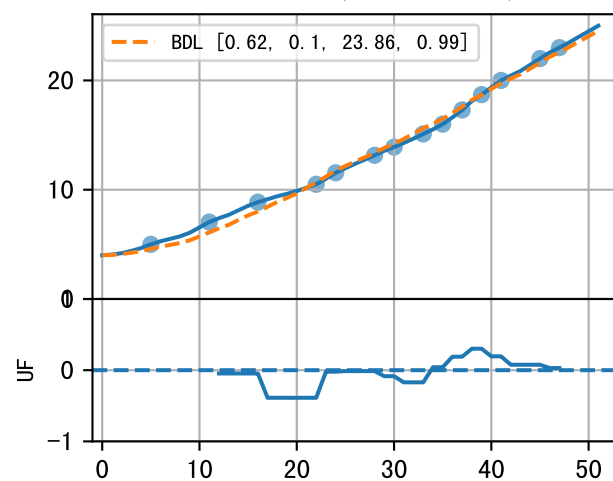
P3-075-19 (fit failed)



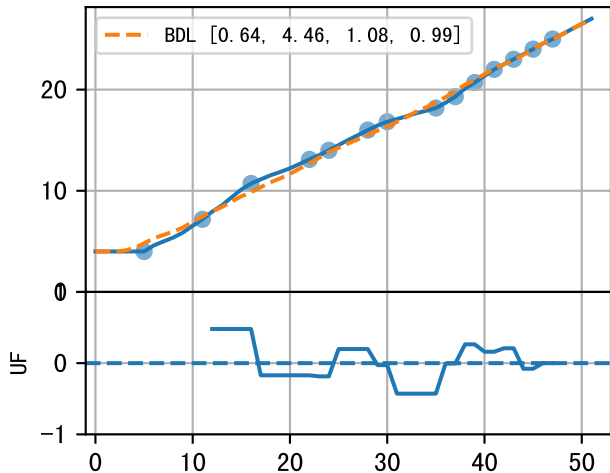
P3-084-11 (fit failed)



P3-099-4 (fit failed)

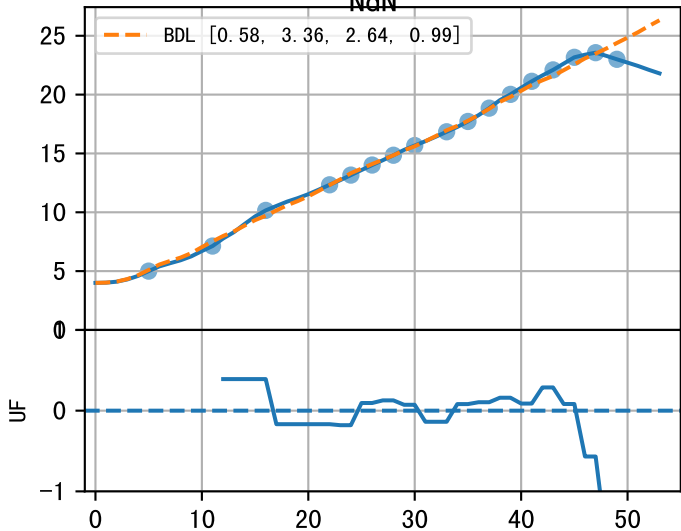


P3-110-23 (fit failed)

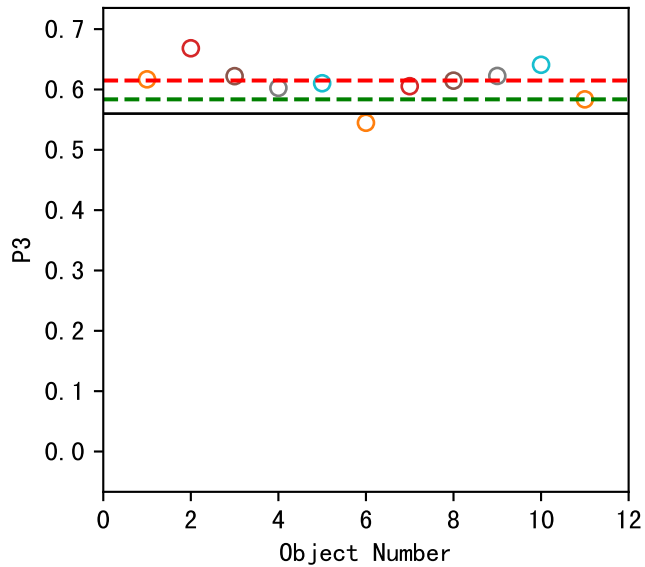


P3avg (fit failed)

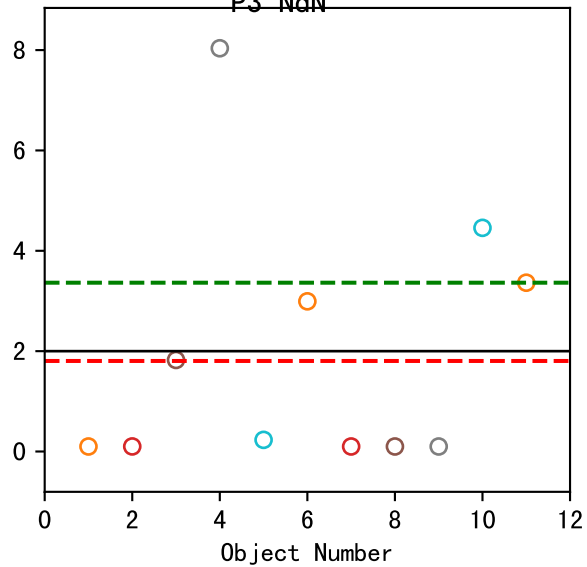
NdN



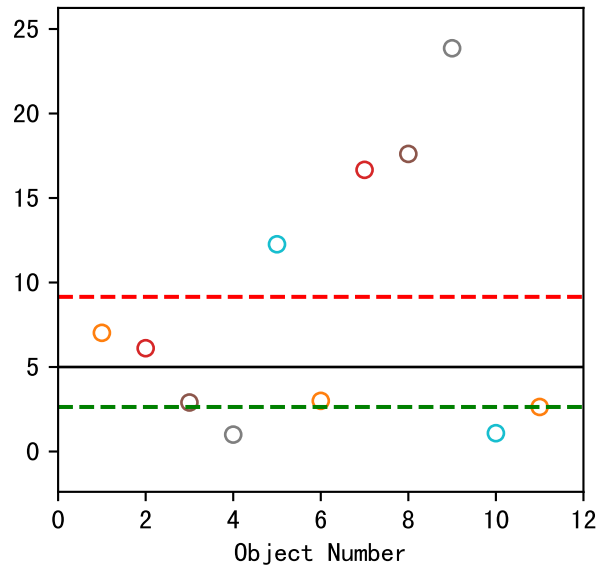
a (Def=0.56 Set=0.58)
avg1=0.61(fail) avg2=0.58



dm (Def=2 Set=3.36)
avg1=1.8(fail) avg2=3.36



de (Def=5 Set=2.64)
avg1=9.15(fail) avg2=2.64



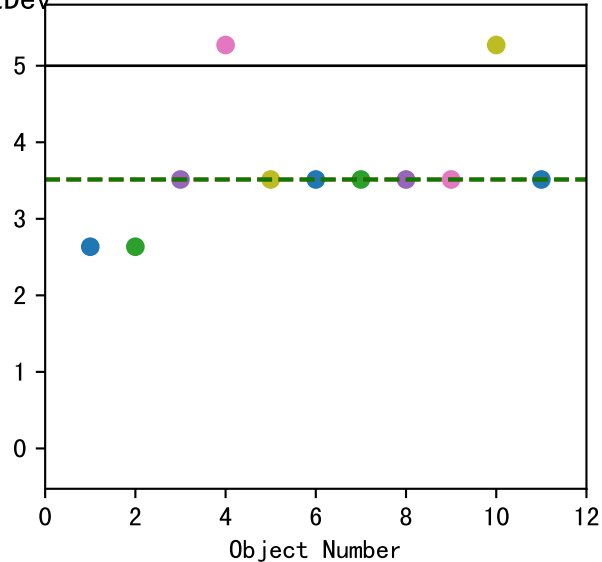
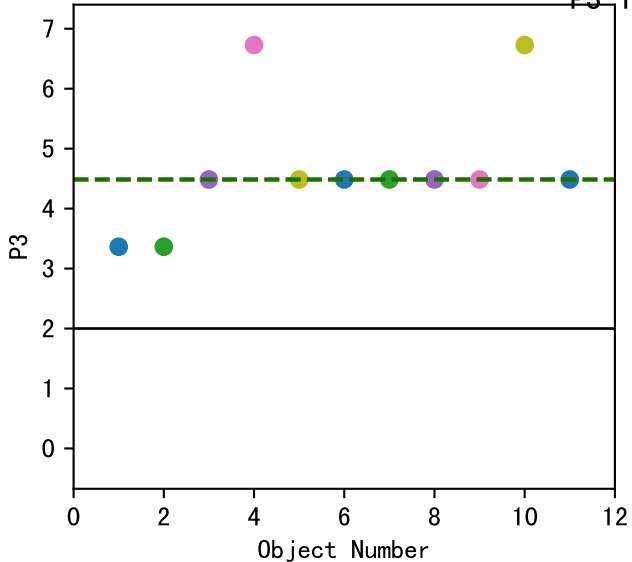
InitDev_dm (Def=2 Set=4.49)

avg1=4.49~0% avg2=4.49

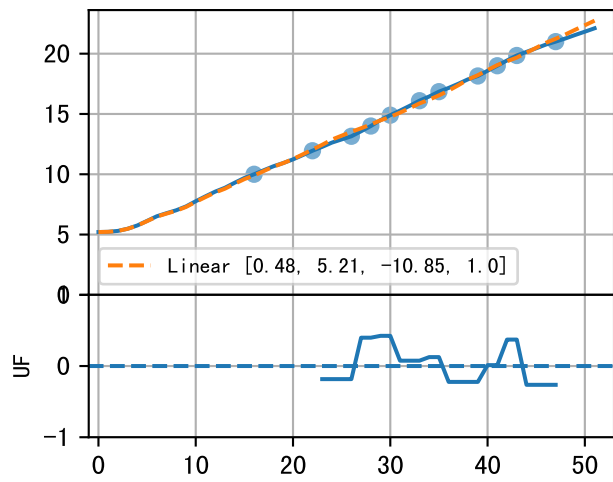
P3 InitDev

InitDev_de (Def=5 Set=3.51)

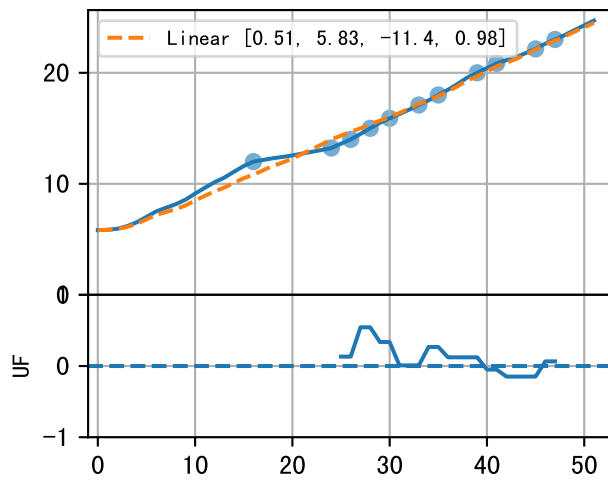
avg1=3.51~0% avg2=3.51



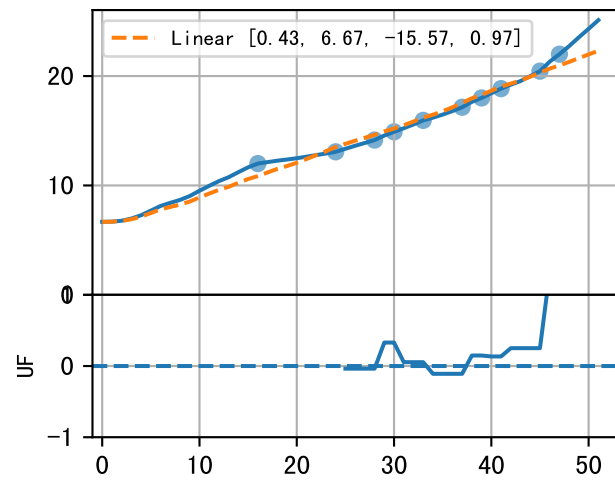
P3-009-13



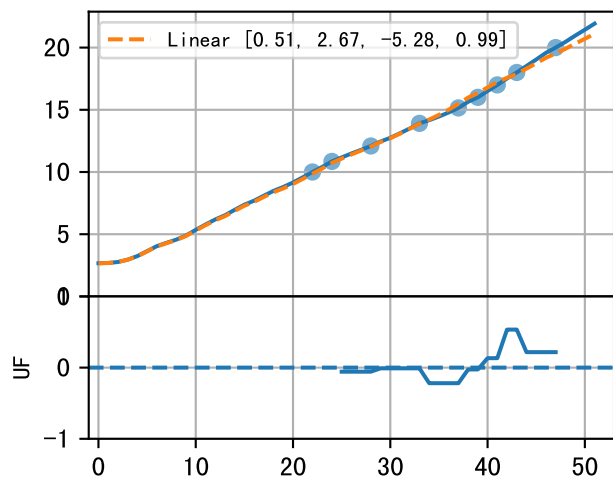
P3-021-19



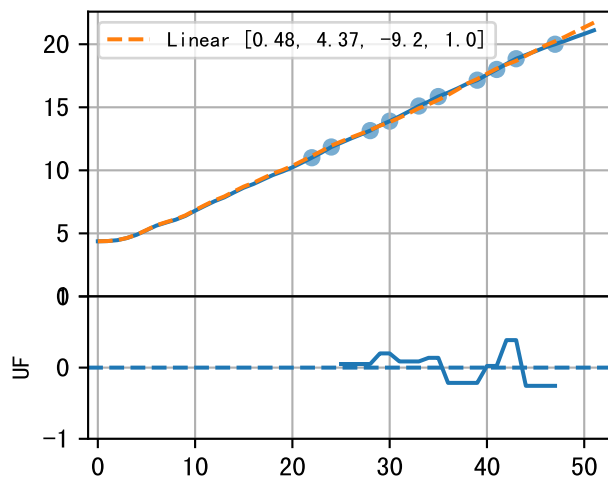
P3-034-5



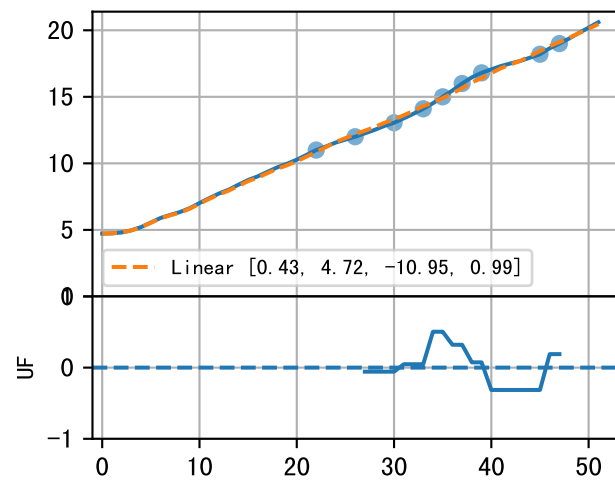
P3-045-17



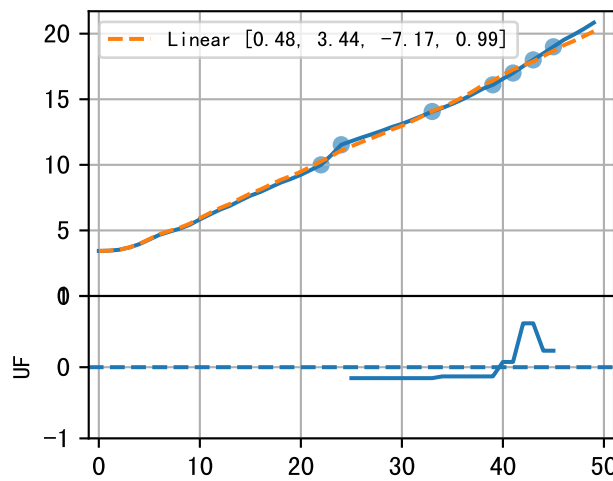
P3-054-28



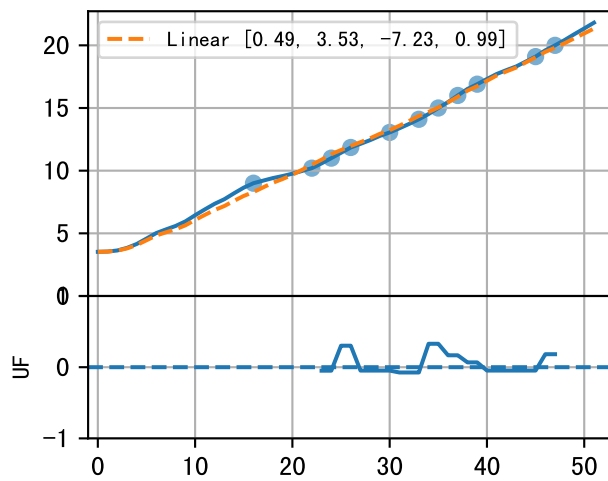
P3-068-4



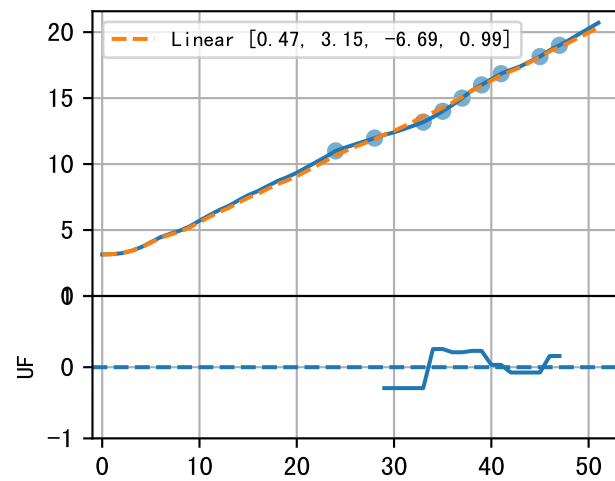
P3-075-19



P3-084-11

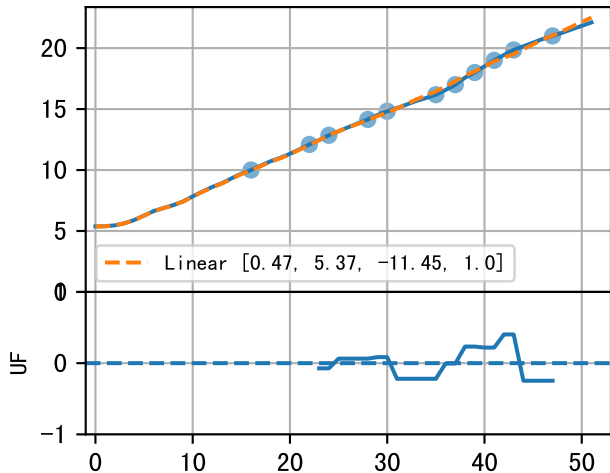


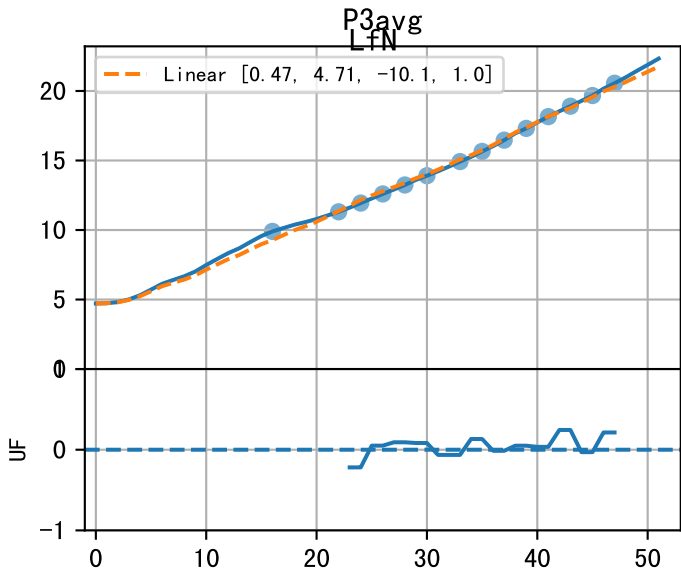
P3-099-4



P3-110-23

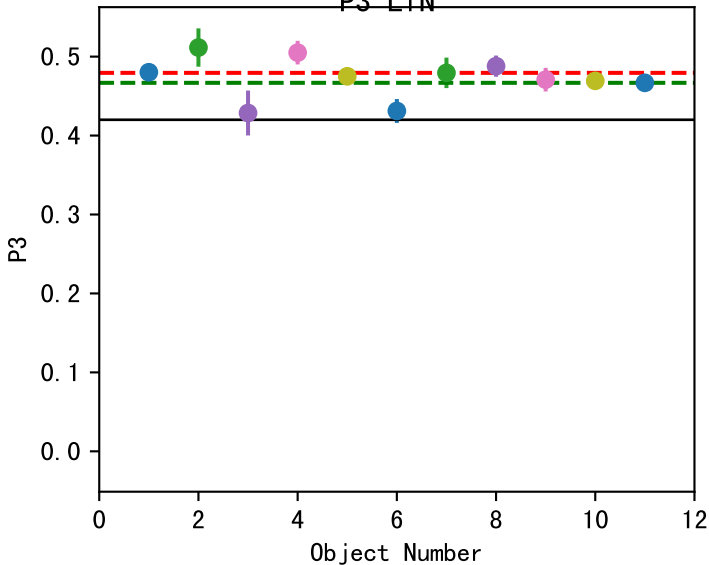
LfN



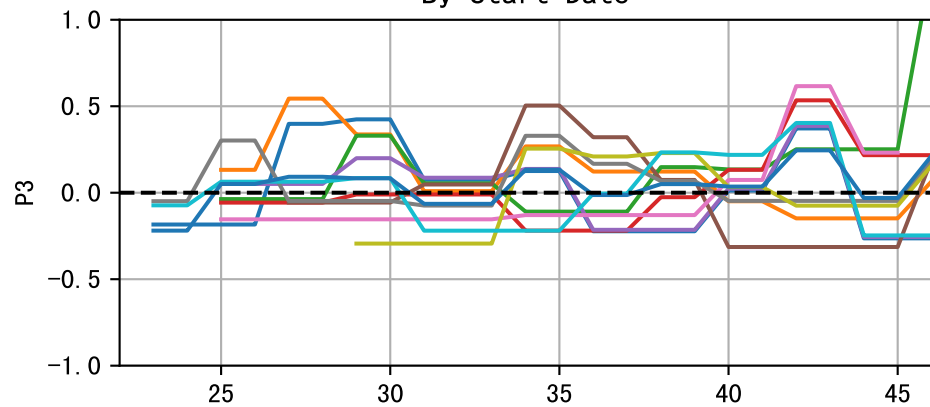


a (Def=0.42 Set=0.47)
avg1=0.48 $\sim$ 3% avg2=0.47 $\sim$ 6%

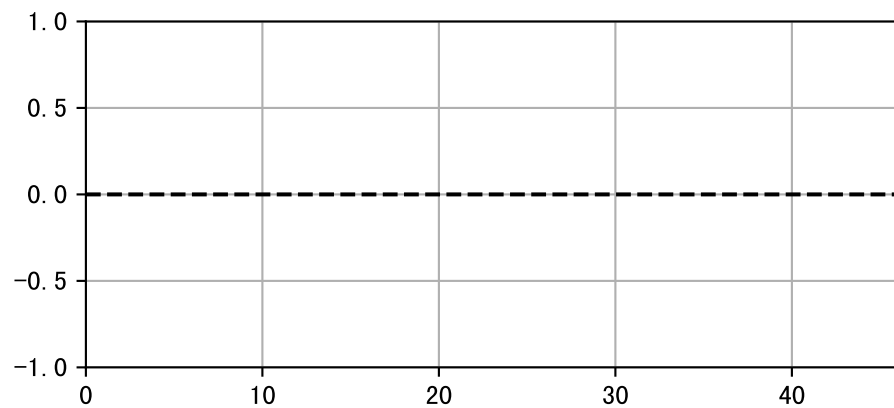
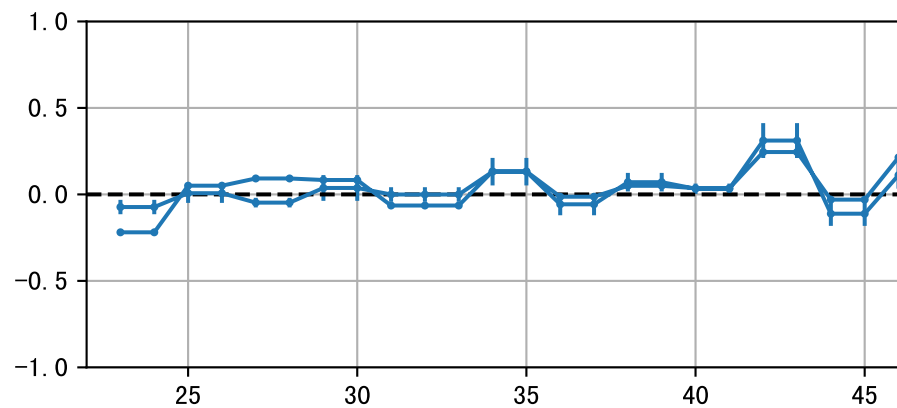
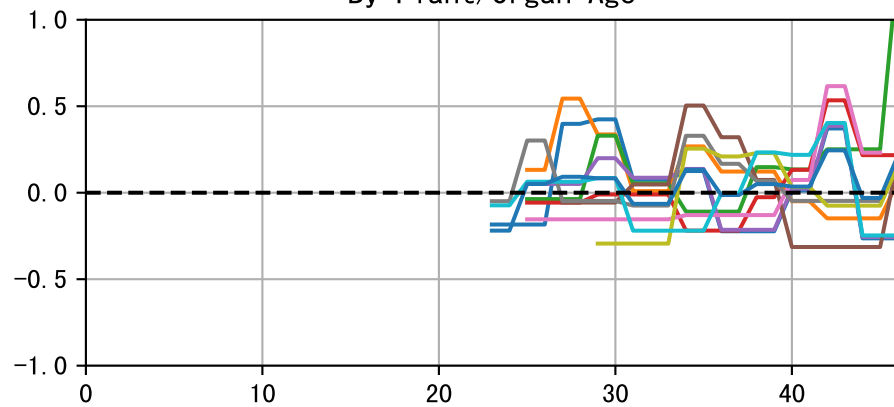
P3 LFN



By Start Date

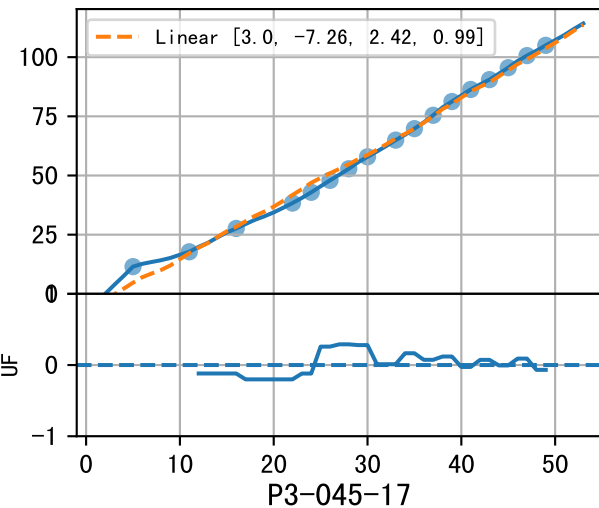


By Plant/Organ Age

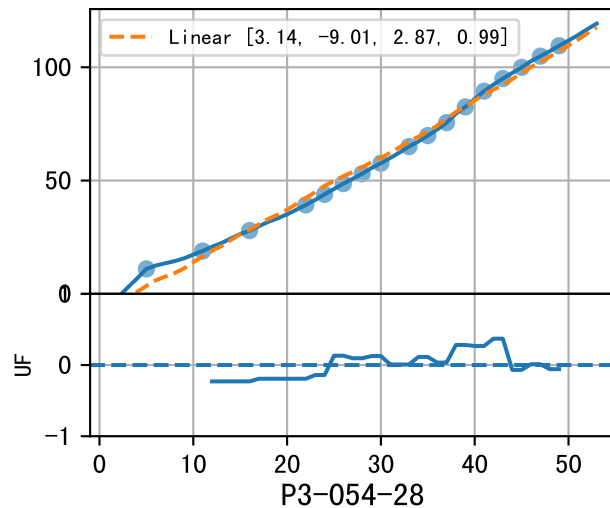


StH

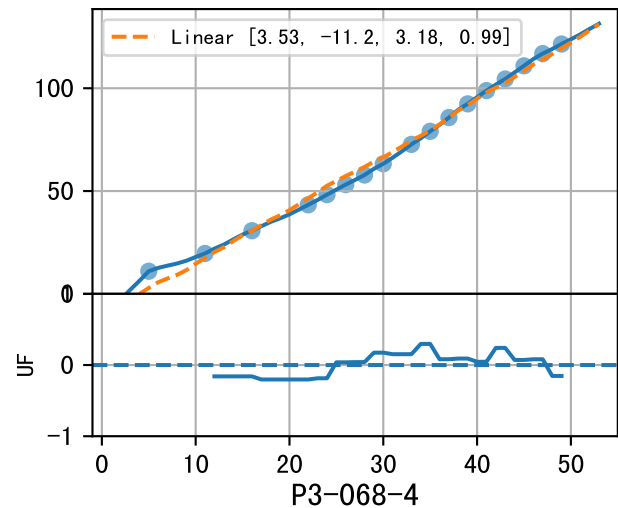
P3-009-13



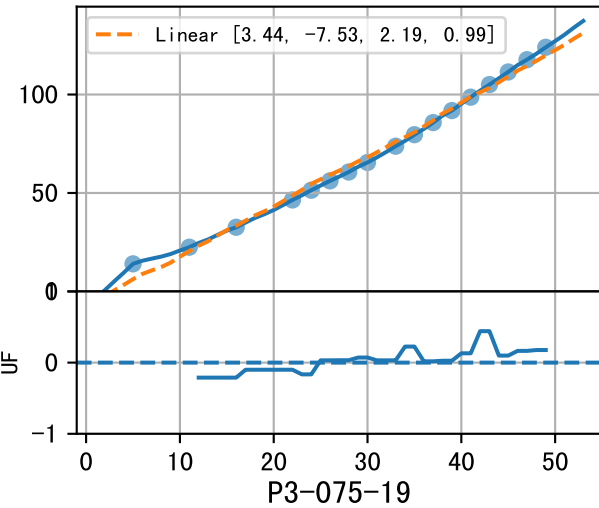
P3-021-19



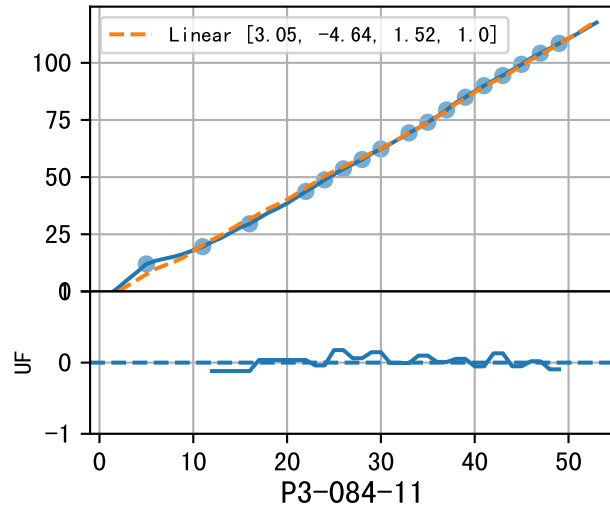
P3-034-5



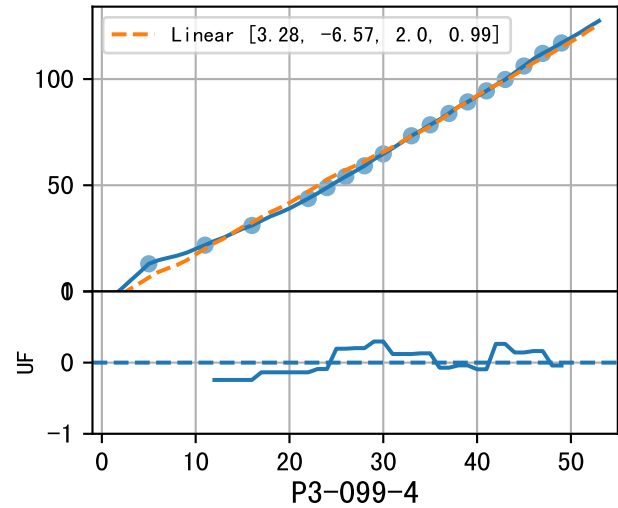
P3-045-17



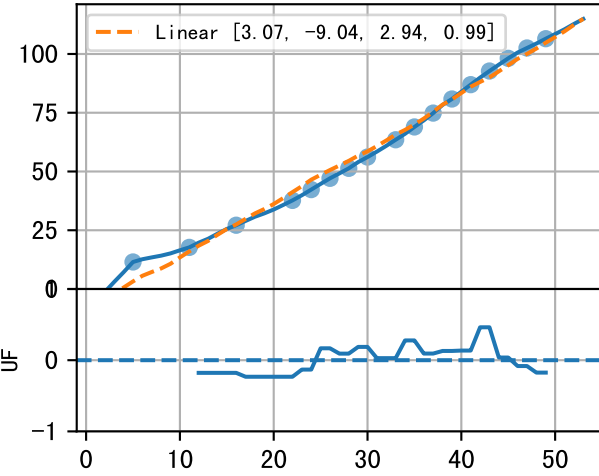
P3-054-28



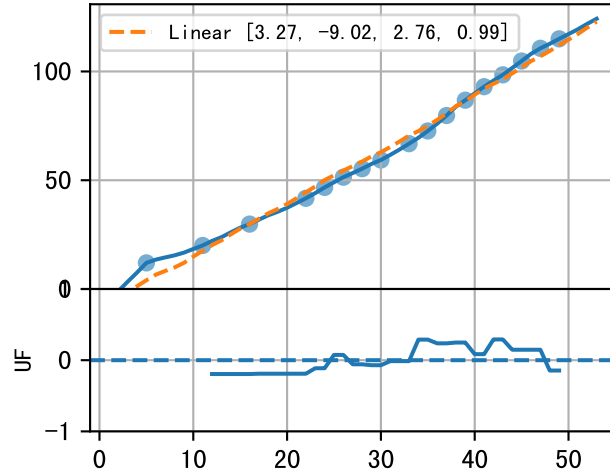
P3-068-4



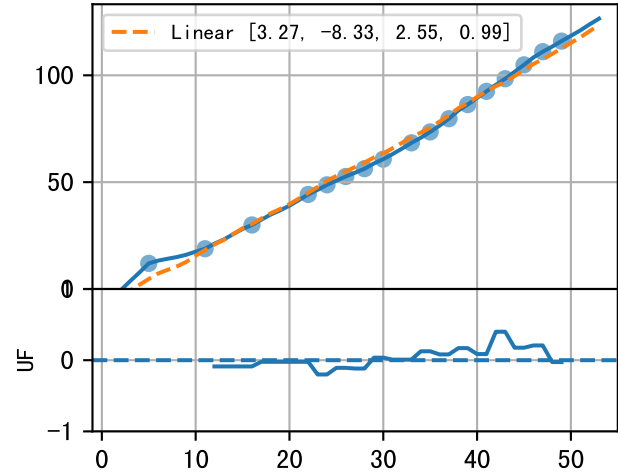
P3-075-19



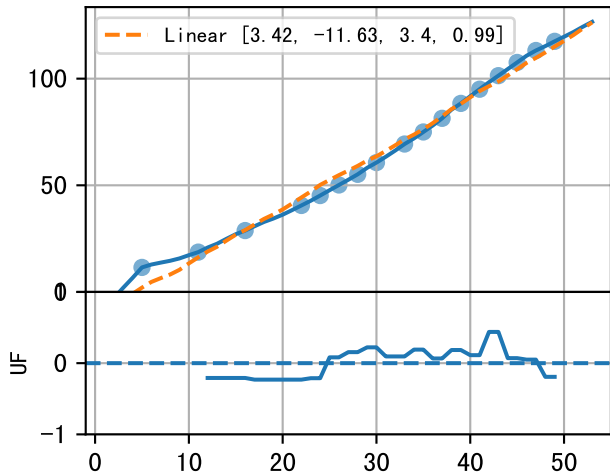
P3-084-11



P3-099-4

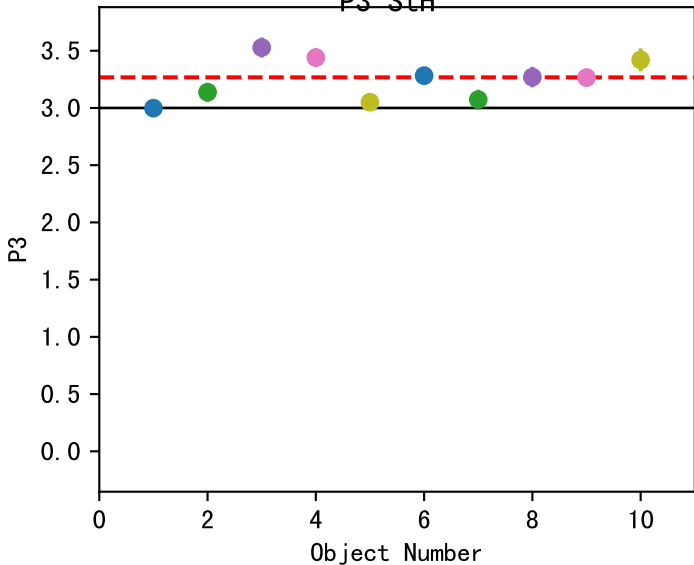


P3-110-23



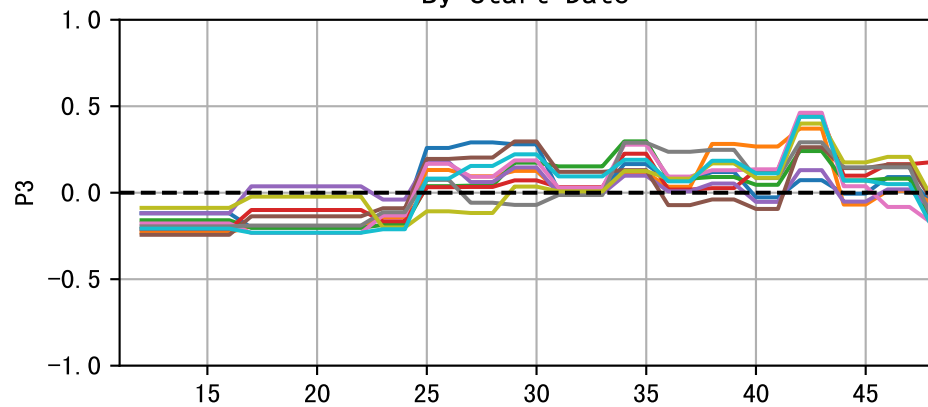
a (Def=3 Set=3.27)
avg1=3.27~6% avg2=na

P3 StH

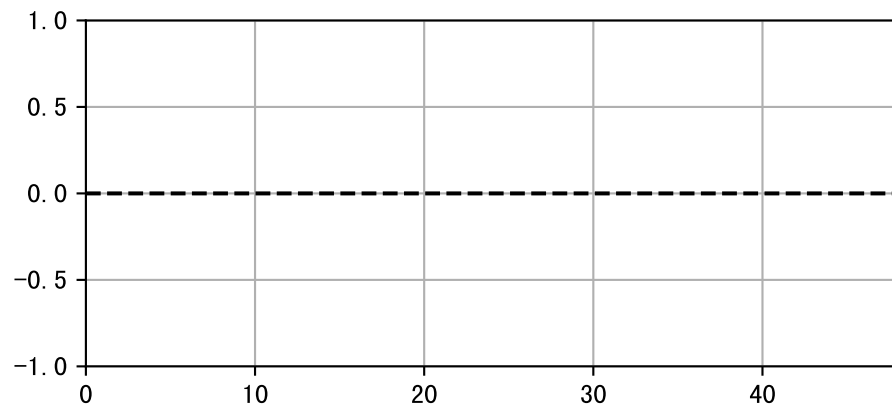
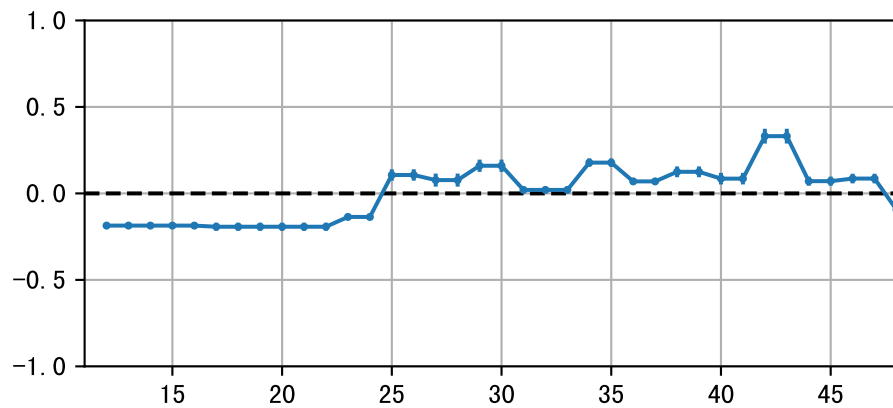
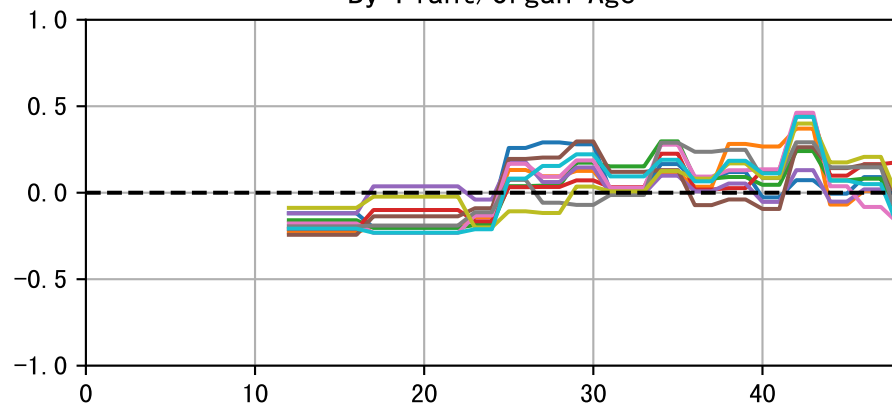


StH

By Start Date

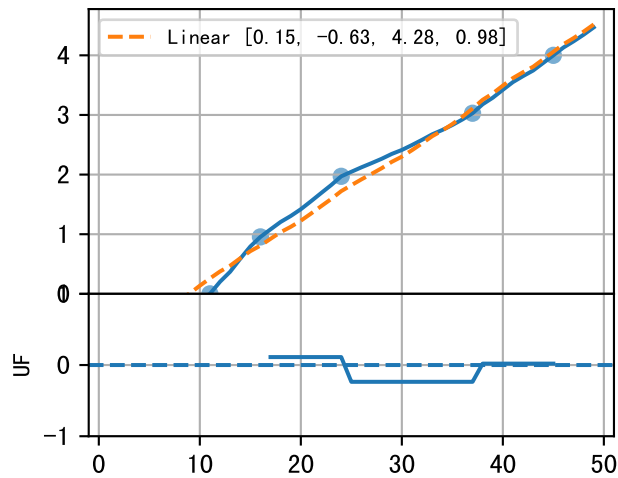


By Plant/Organ Age

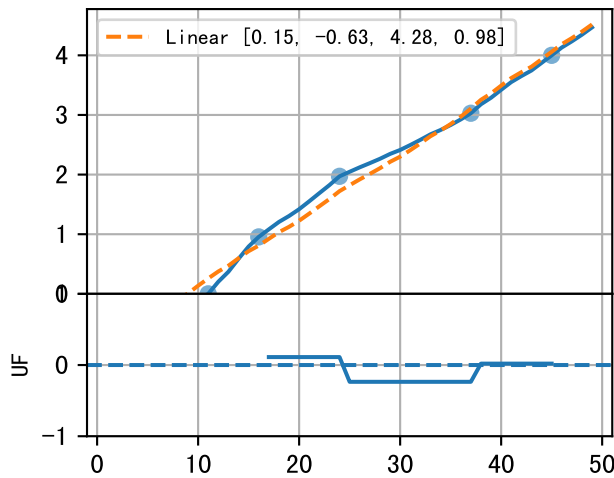


T_{SN}

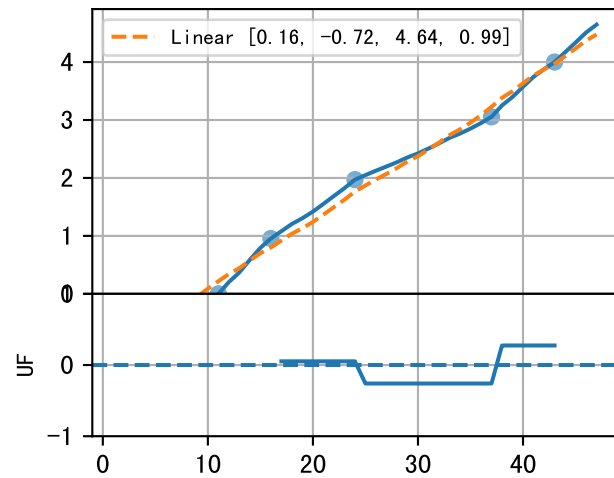
P3-009-13



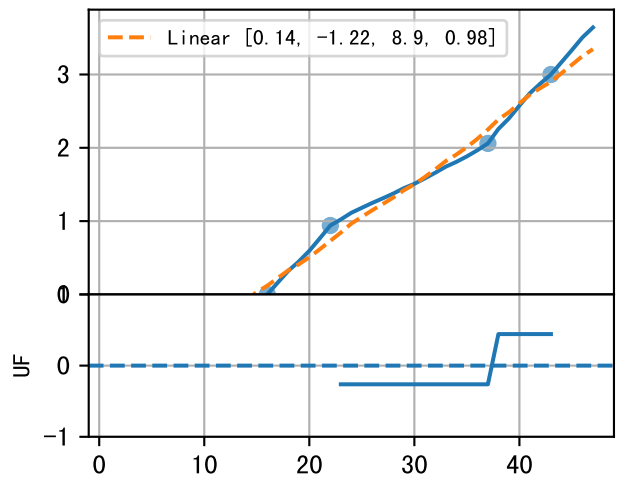
P3-021-19



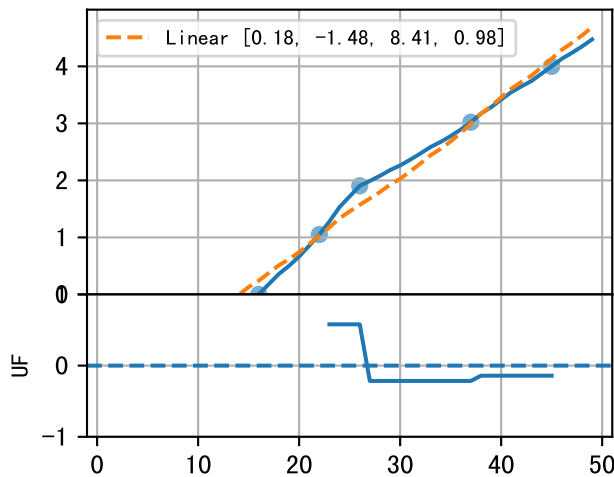
P3-034-5



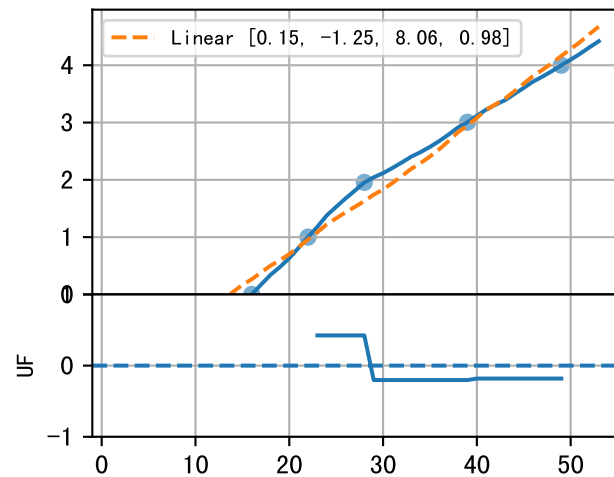
P3-045-17



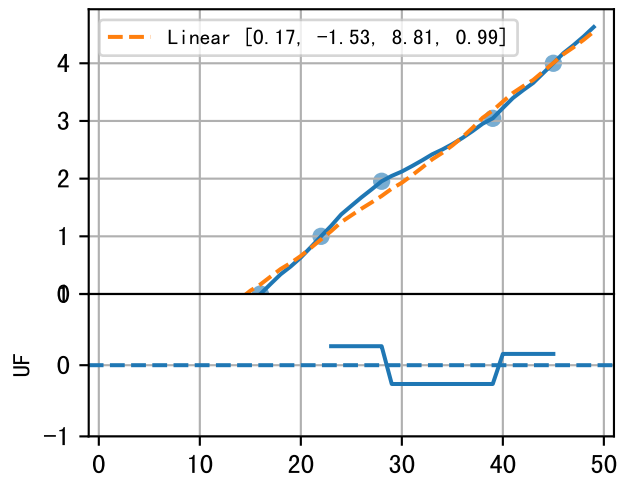
P3-054-28



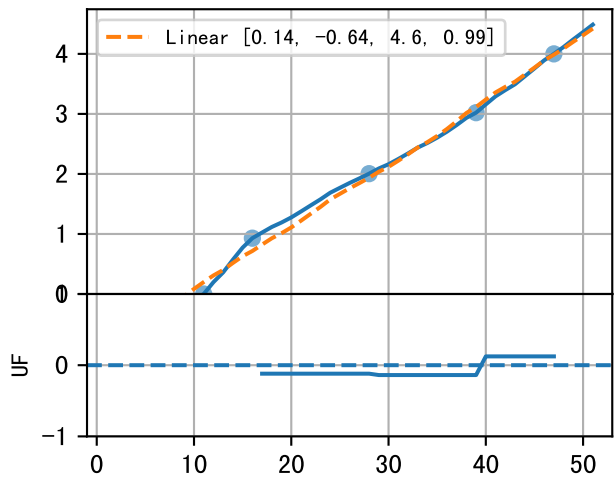
P3-068-4



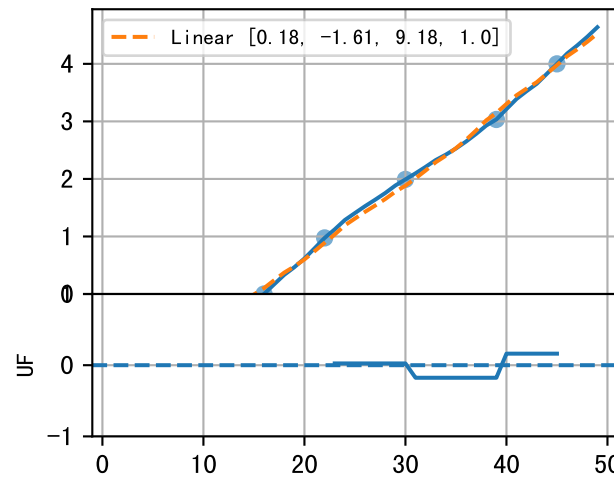
P3-075-19



P3-084-11

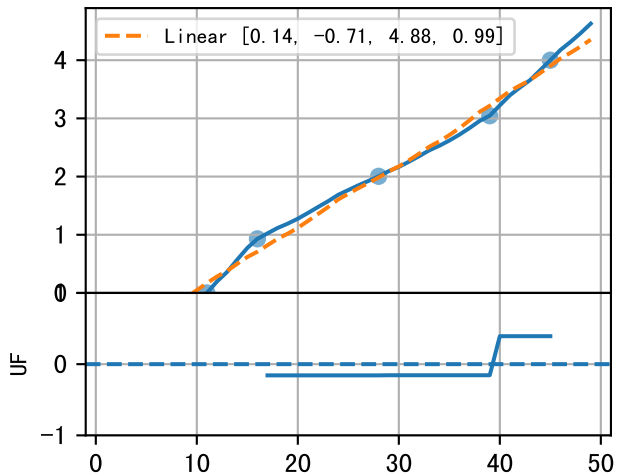


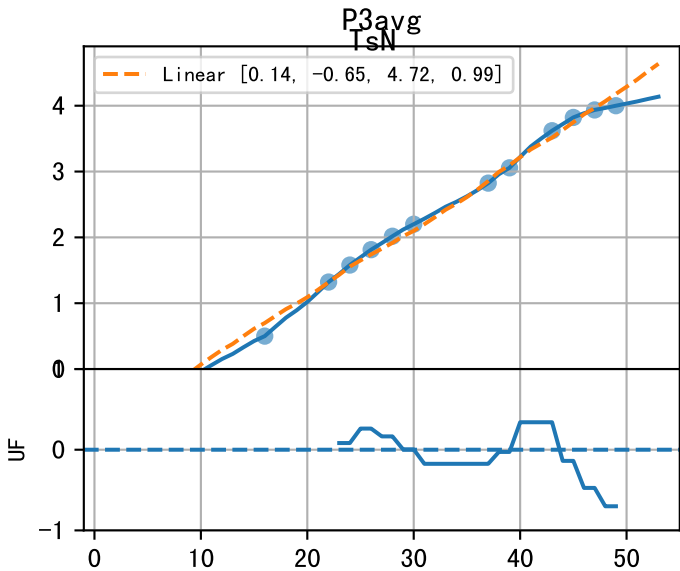
P3-099-4



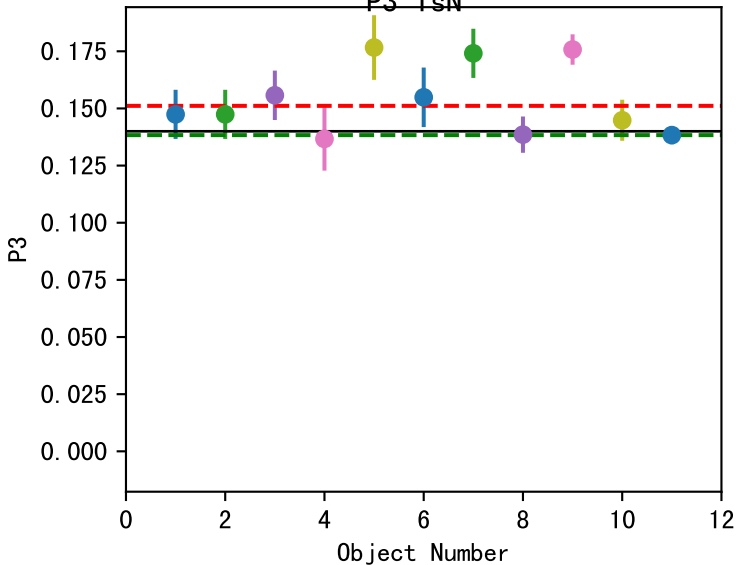
P3-110-23

TsN



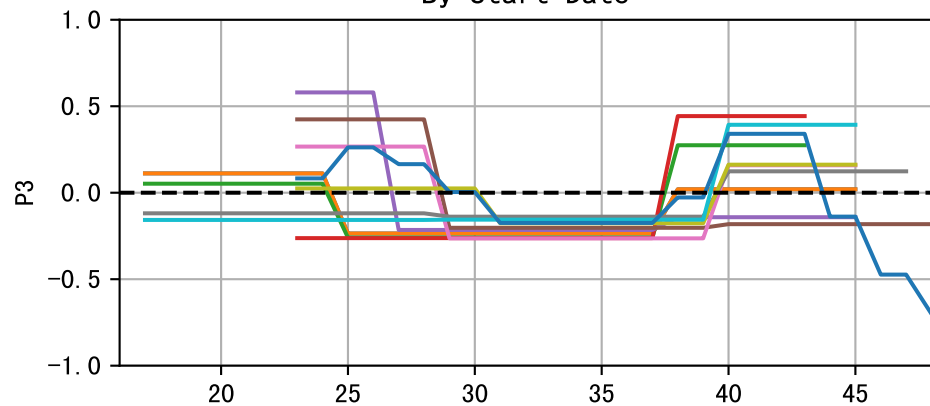


a (Def=0.14 Set=0.14)
avg1=0.15~10% avg2=0.14~8%
P3 TSN

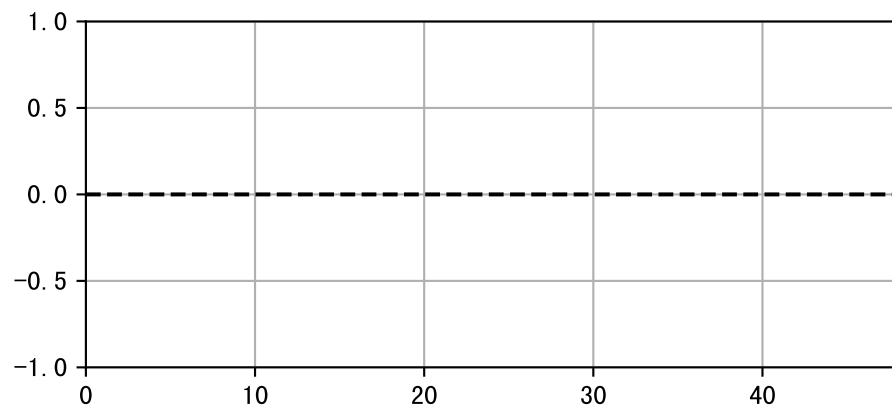
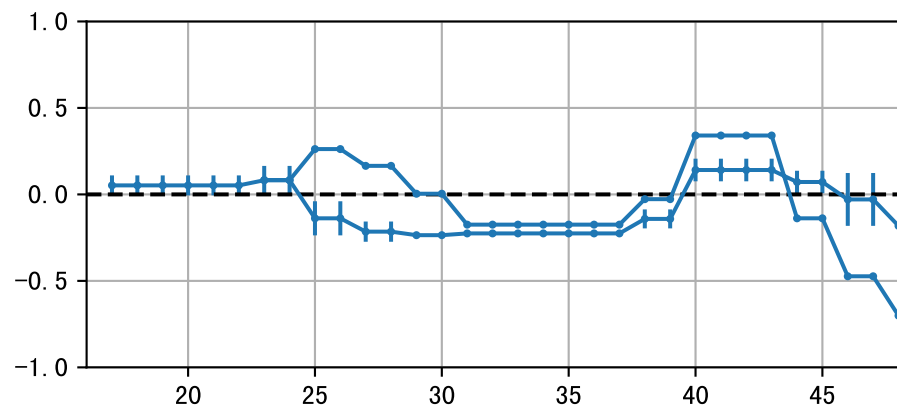
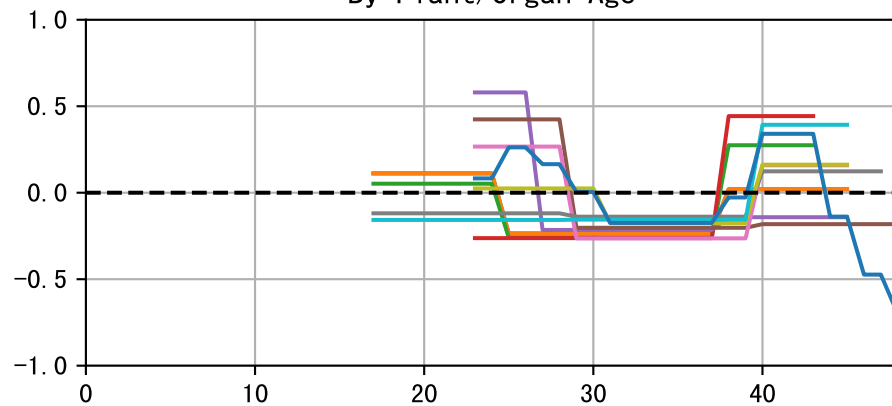


TsN

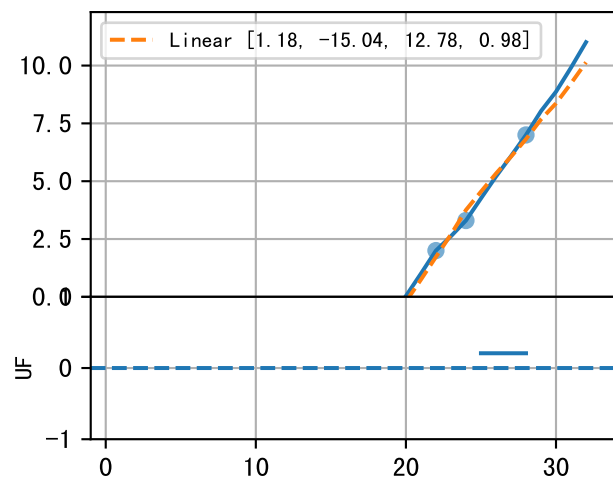
By Start Date



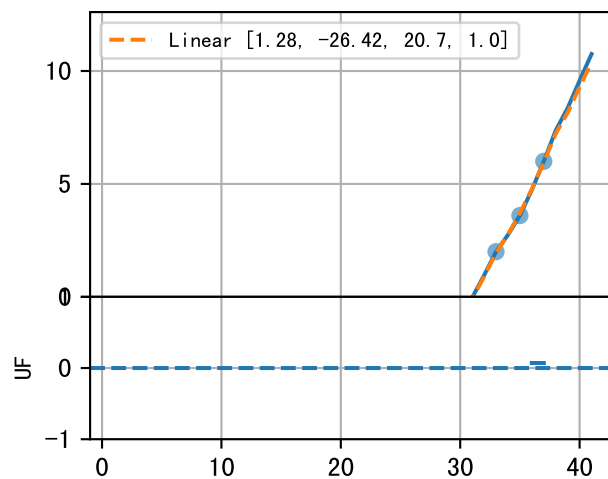
By Plant/Organ Age



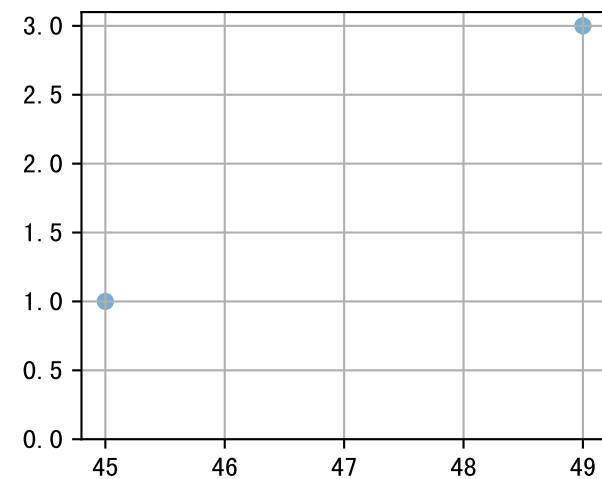
P3-009-13T1



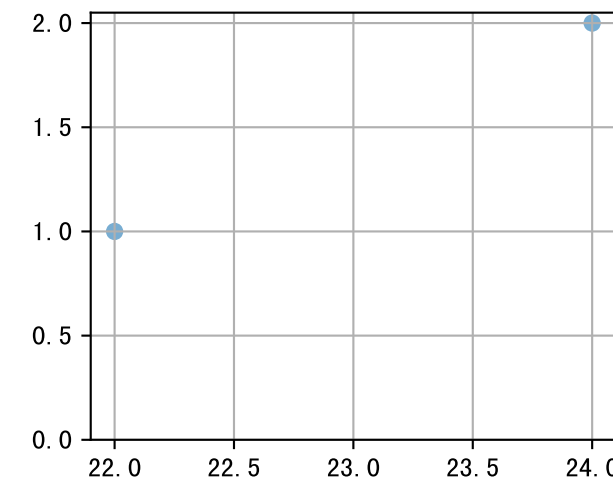
P3-009-13T2



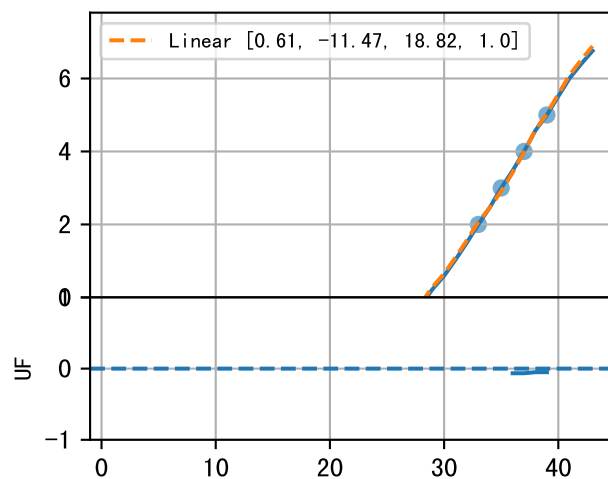
P3-009-13T3 (fit failed)



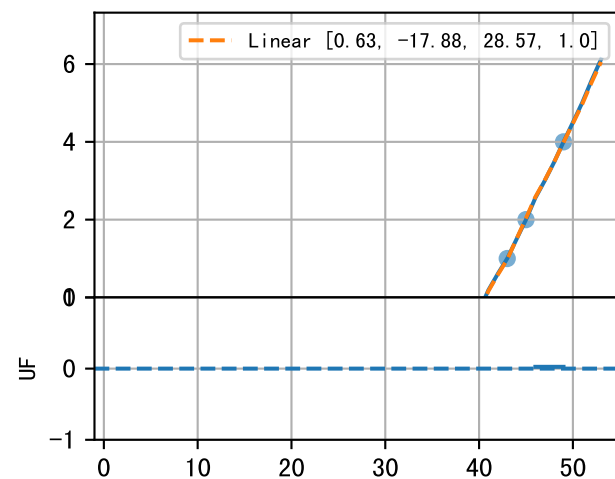
P3-021-19T1 (fit failed)



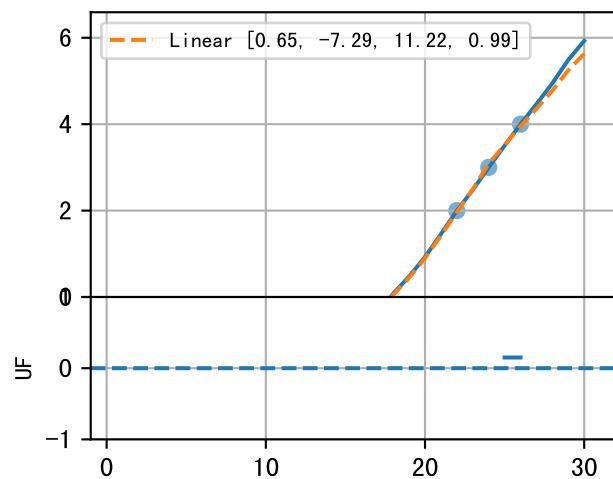
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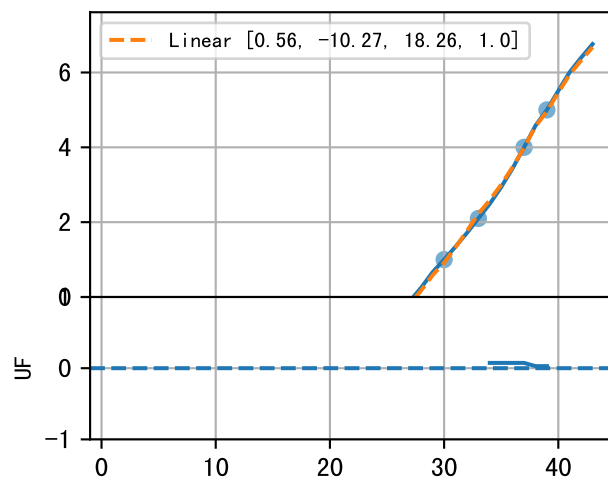
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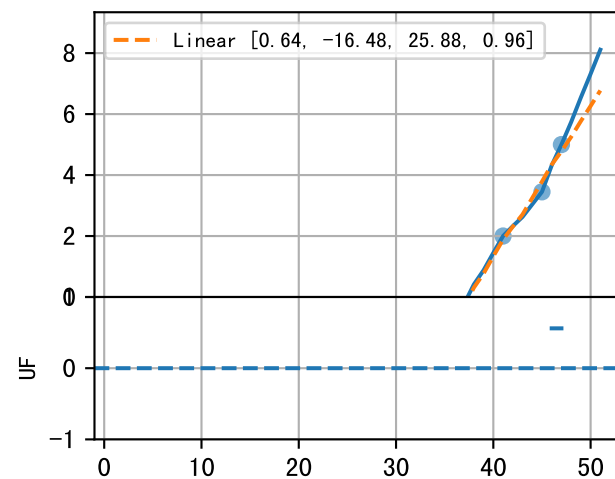
P3-034-5T1



P3-034-5T2

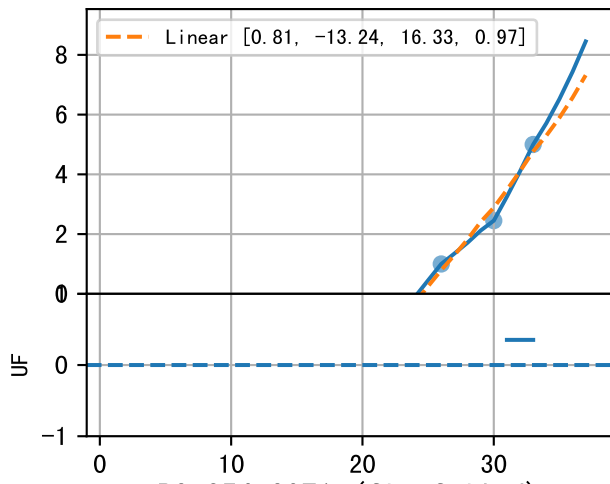


P3-034-5T3

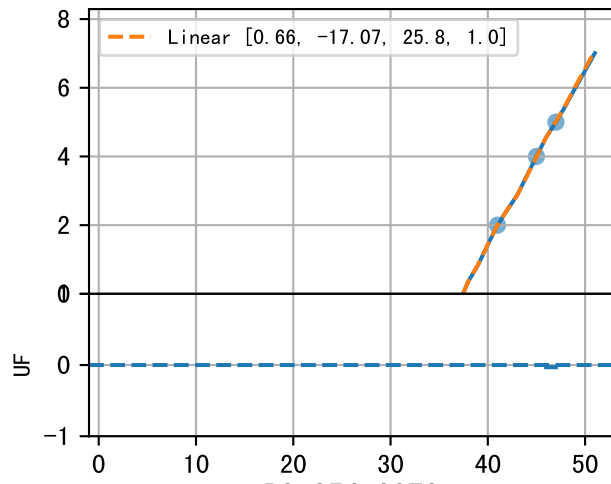


ErM

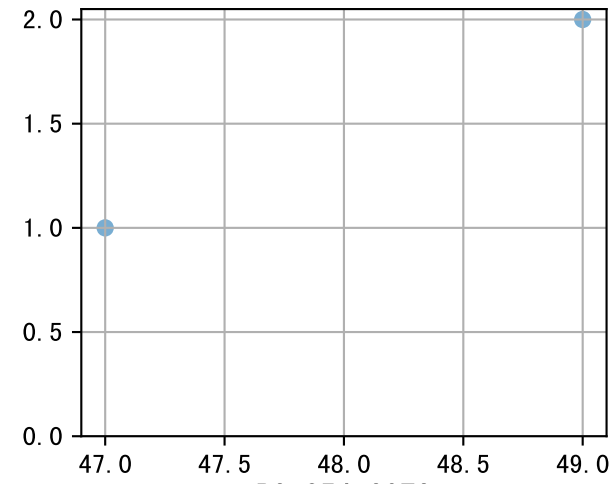
P3-045-17T1



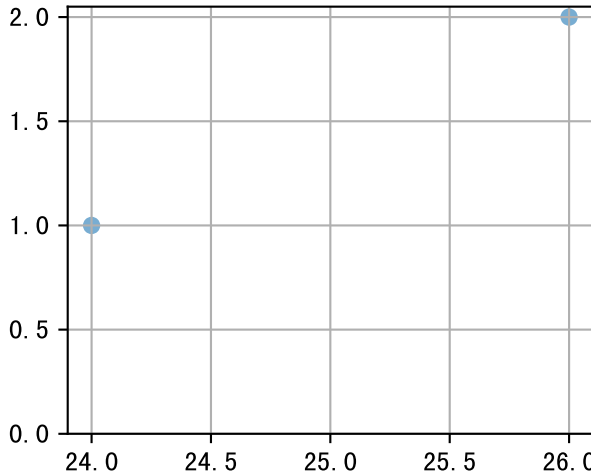
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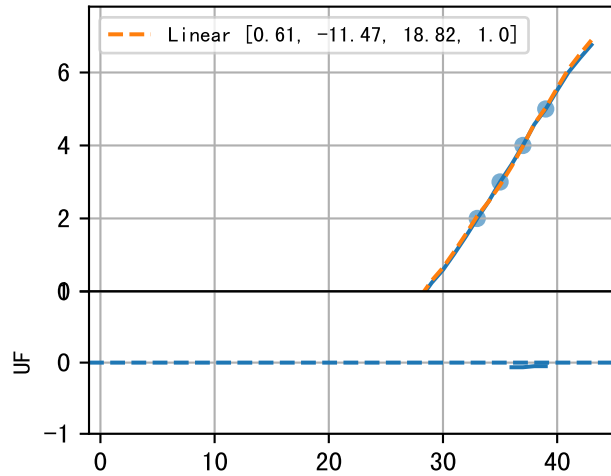
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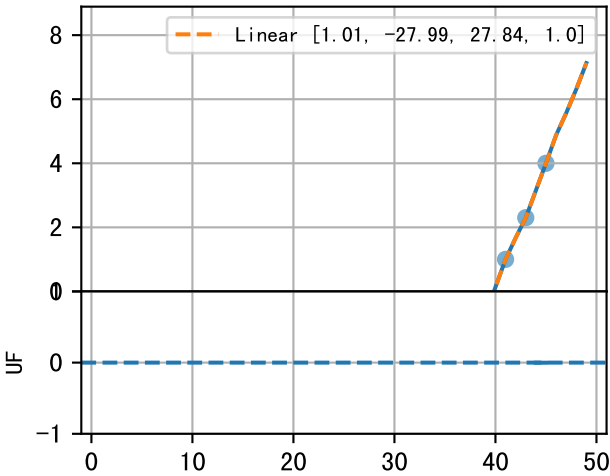
P3-054-28T1 (fit failed)



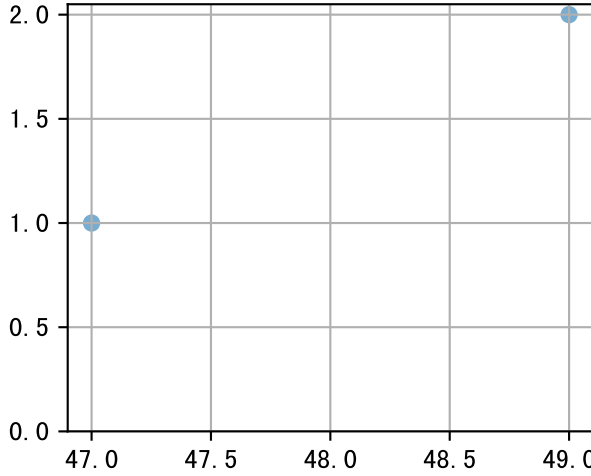
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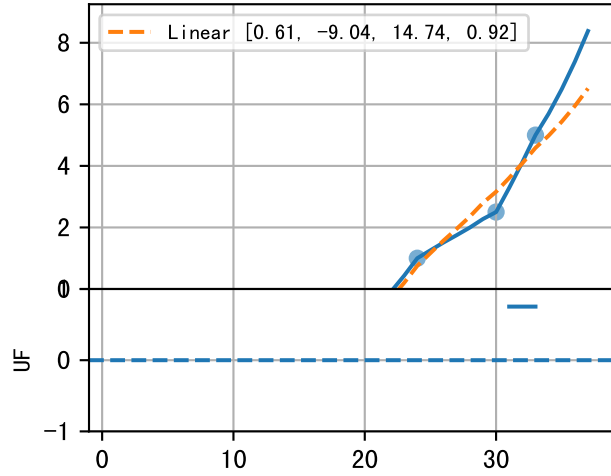
P3-054-28T3



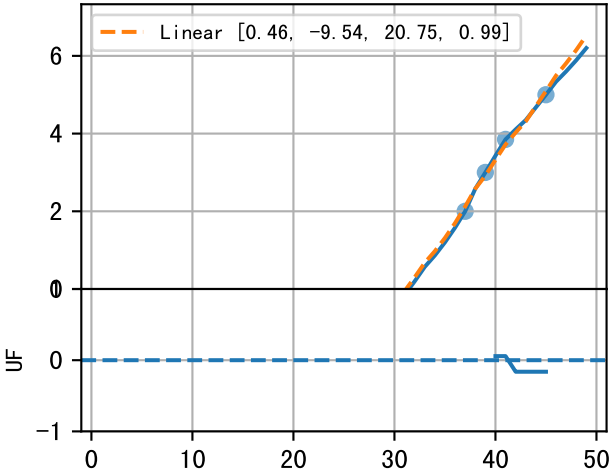
P3-054-28T4 (fit failed)



P3-068-4T1

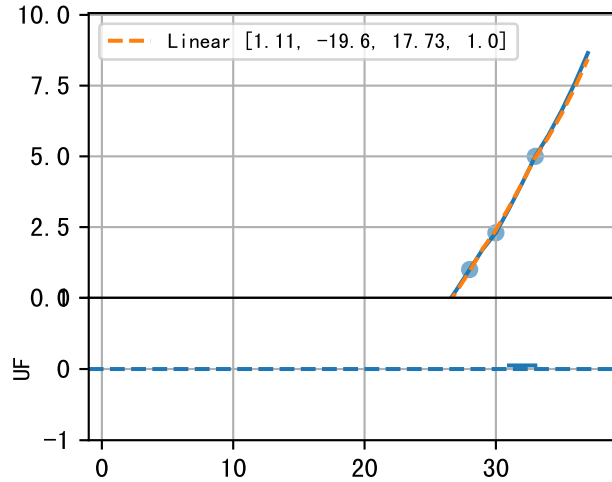


P3-068-4T2

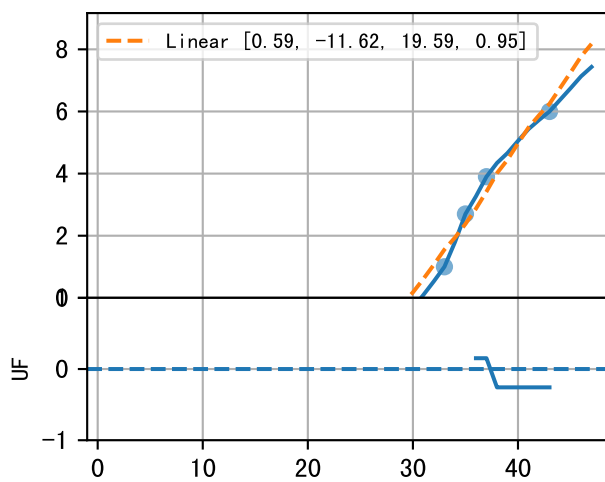


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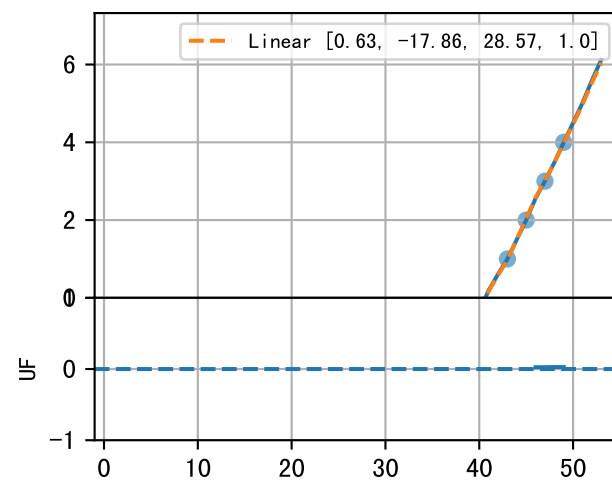
P3-075-19T1



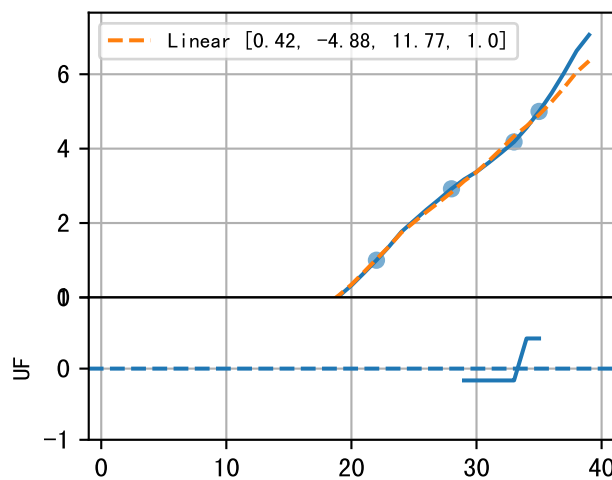
P3-075-19T2



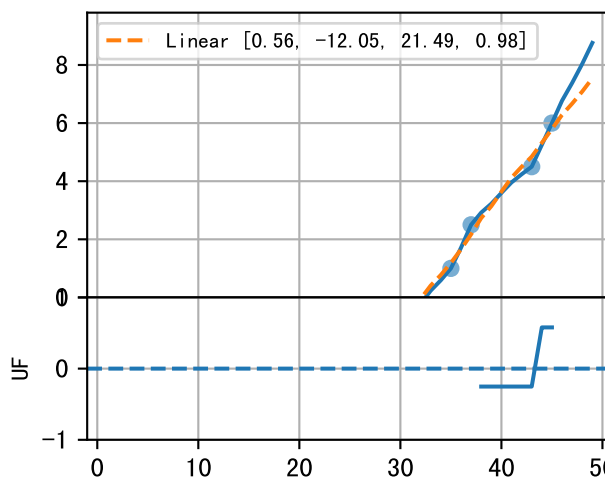
P3-075-19T3



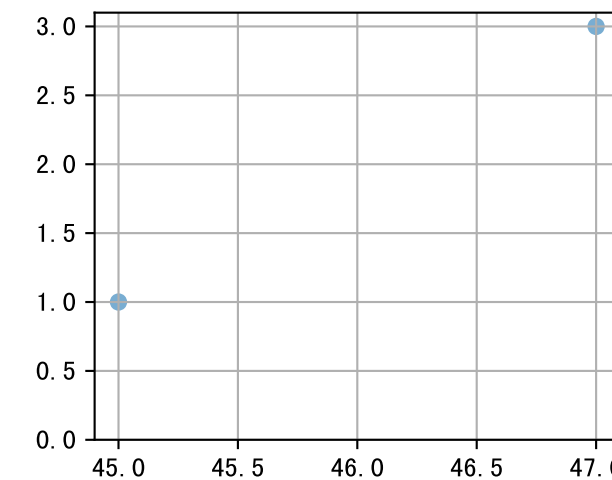
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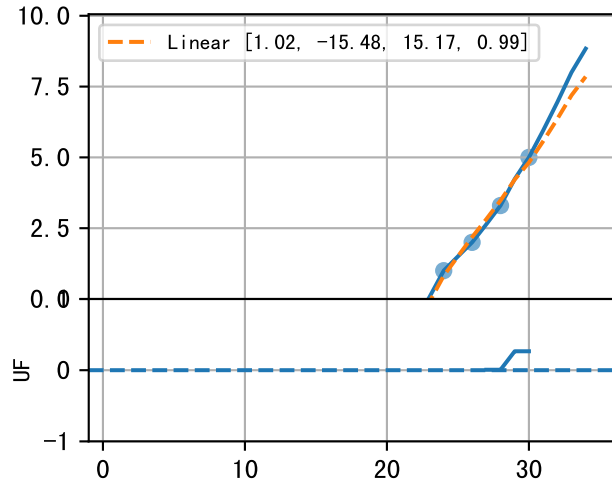
P3-084-11T2



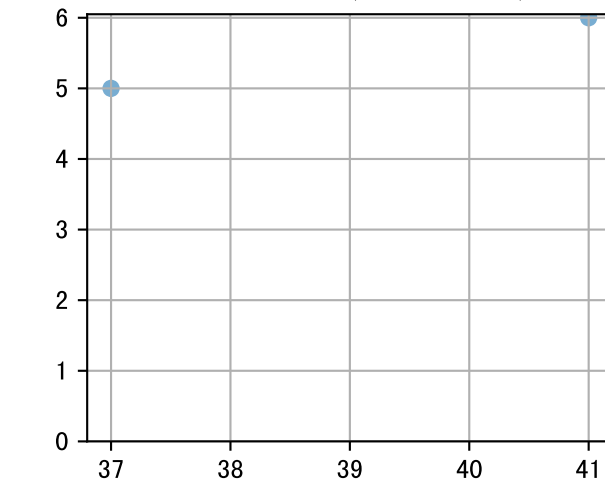
P3-084-11T3 (fit failed)



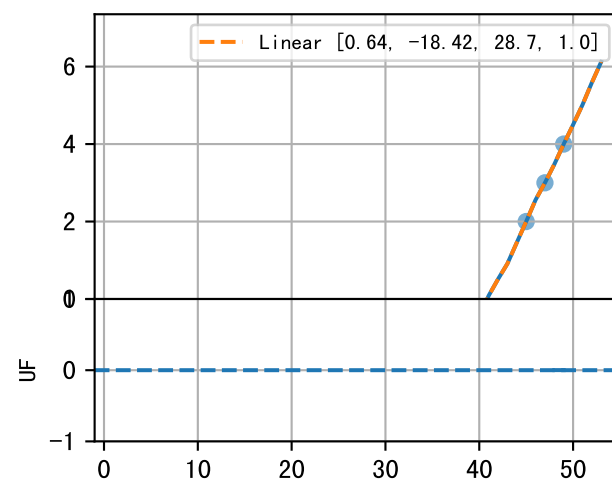
P3-099-4T1



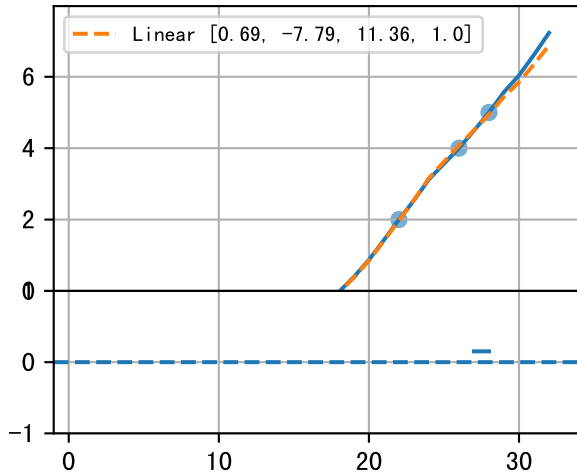
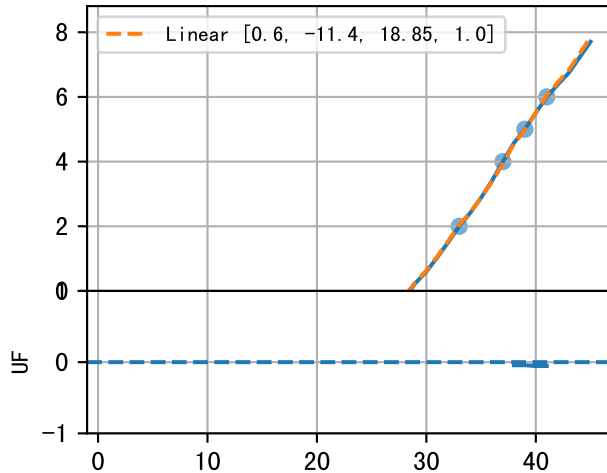
P3-099-4T2 (fit failed)



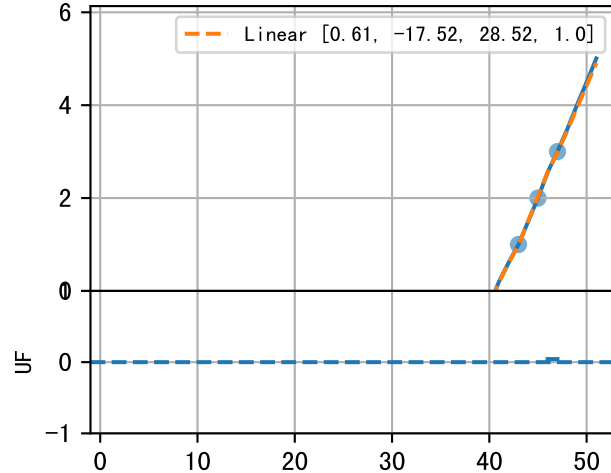
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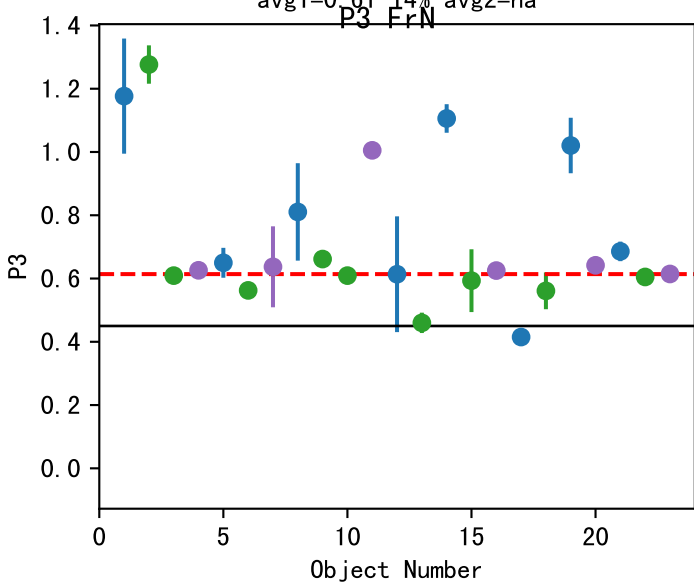
P3-110-23T1

P3-110-23T2^{FrN}

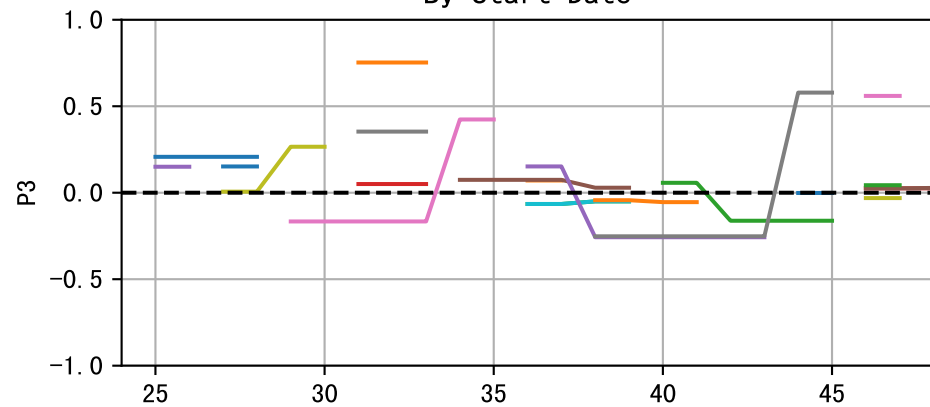
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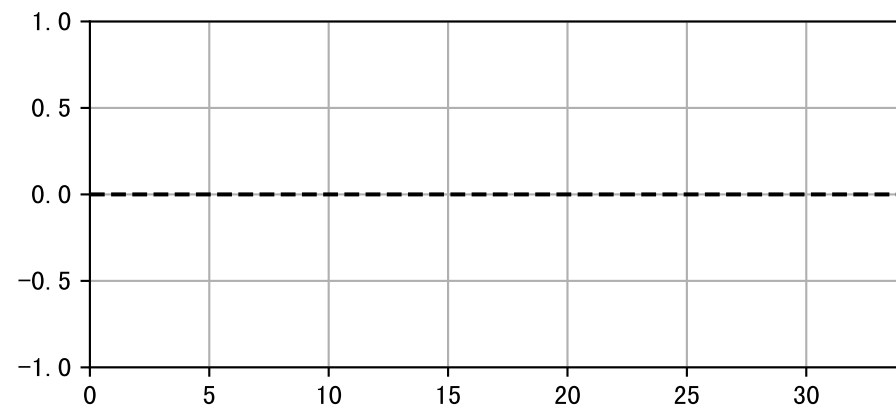
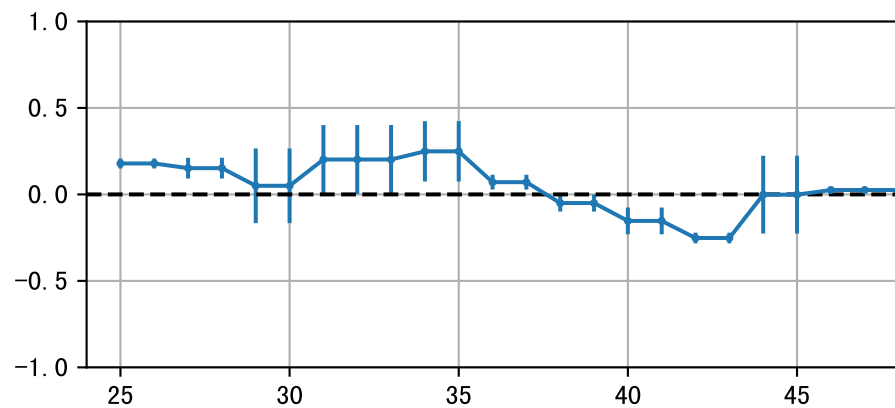
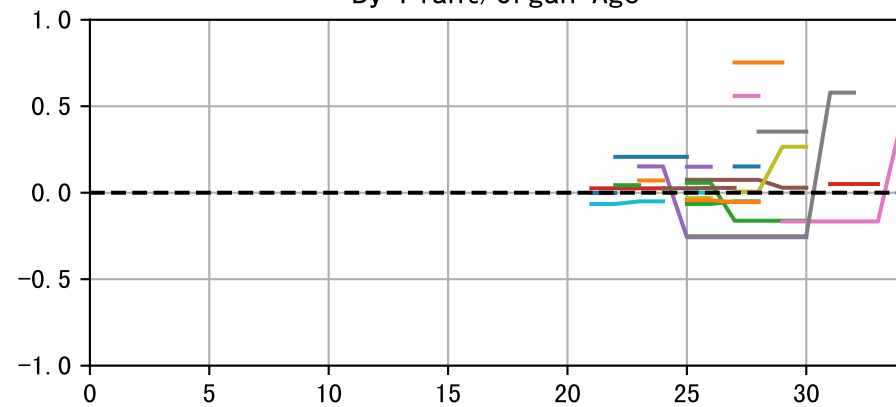
a (Def=0.45 Set=0.61)
avg1=0.61 $\sim$ 14% avg2=na



By Start Date

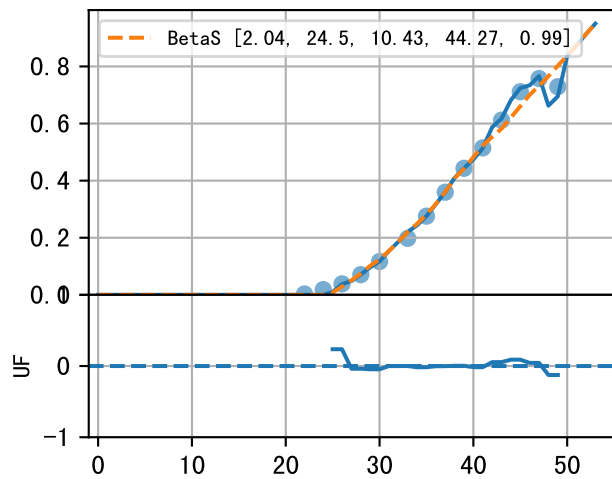


By Plant/Organ Age

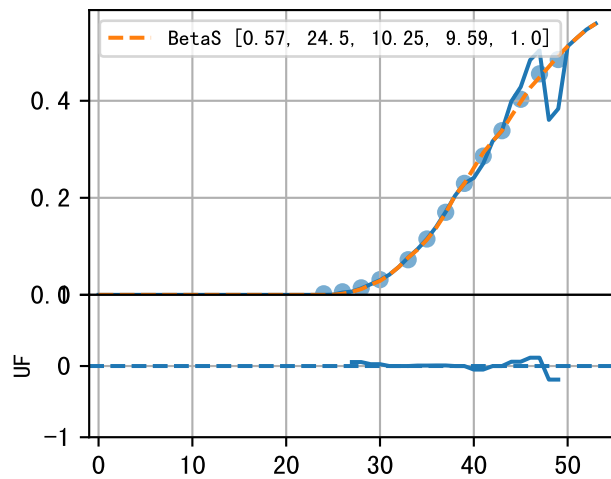


FrV

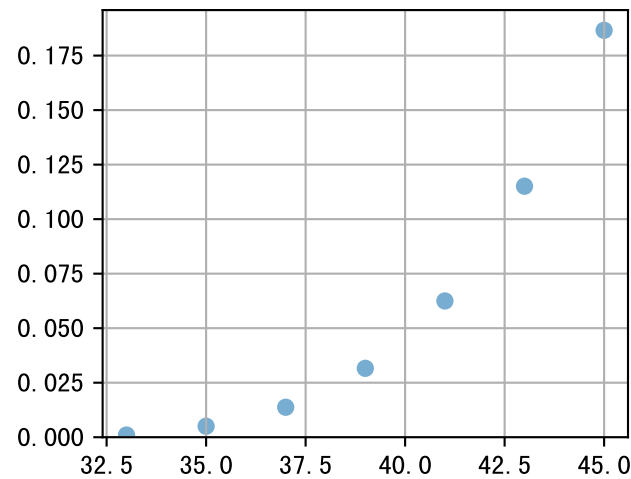
P3-009-13T1Fr1 (fit failed)



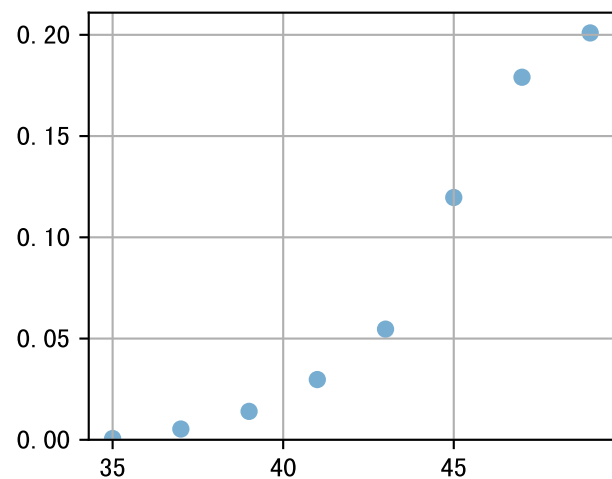
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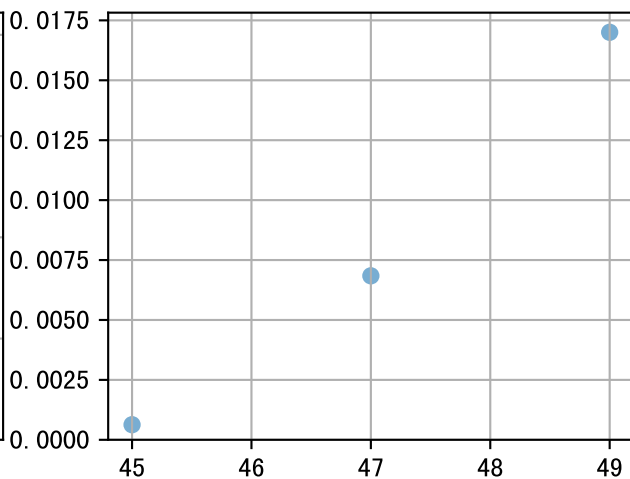
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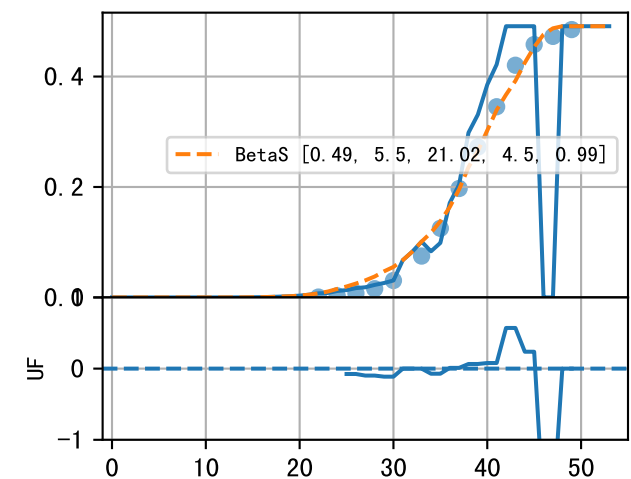
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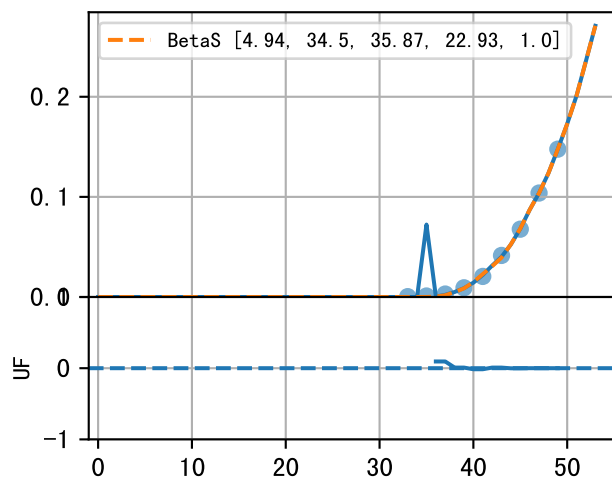
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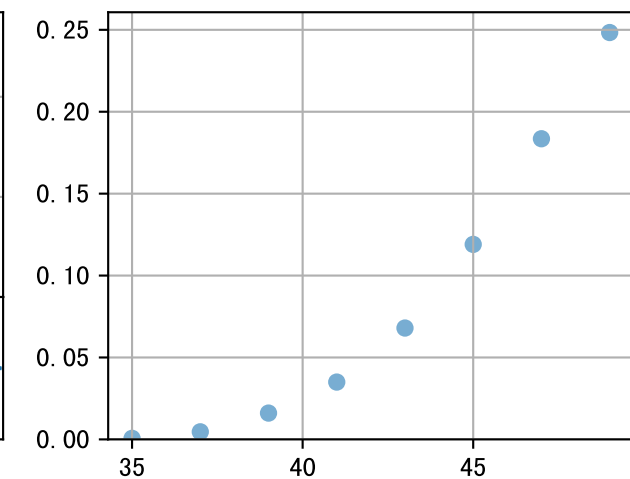
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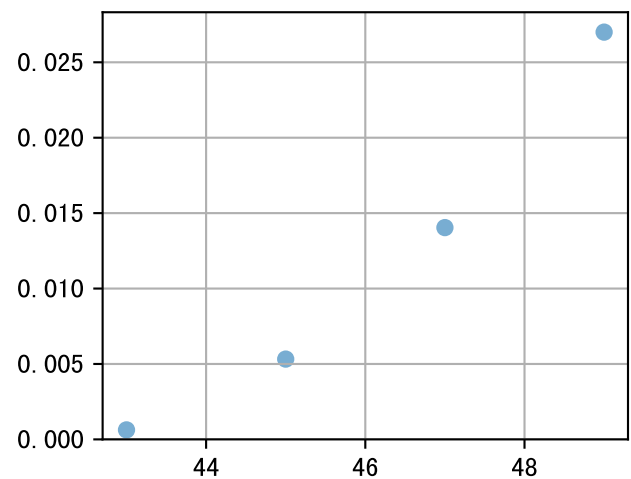
P3-021-19T2Fr1 (fit failed)



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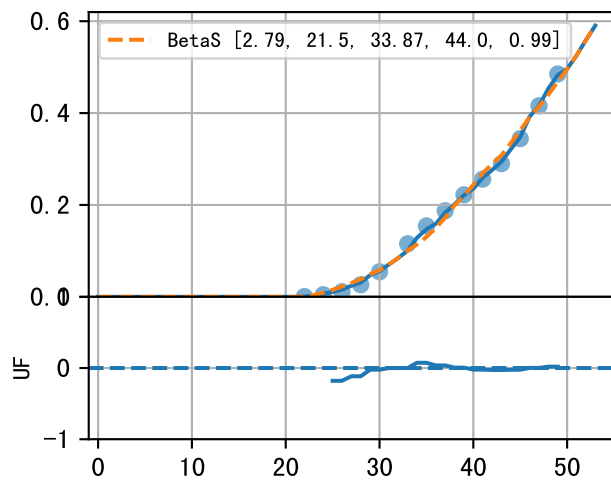


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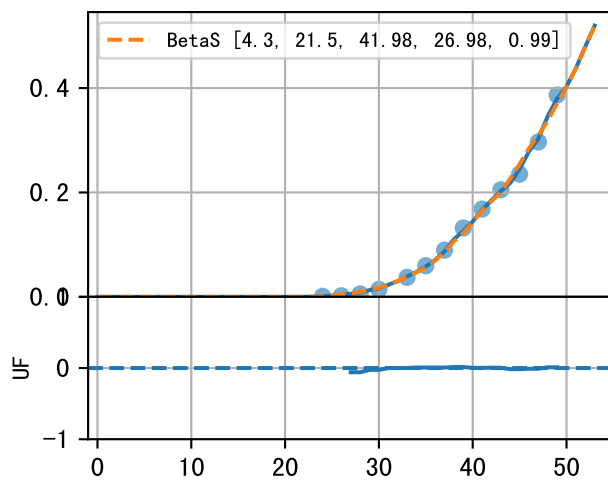


FrV

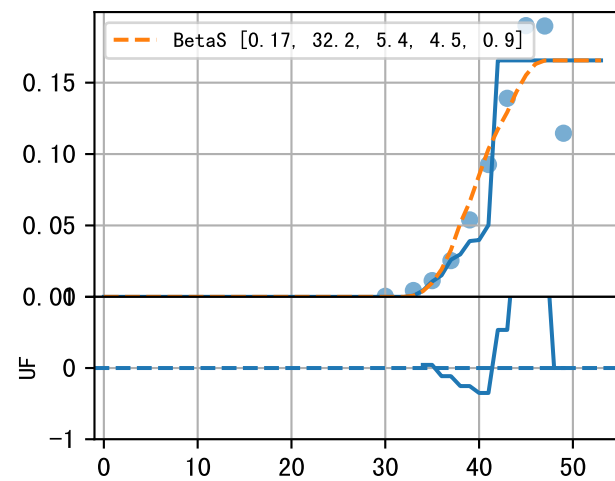
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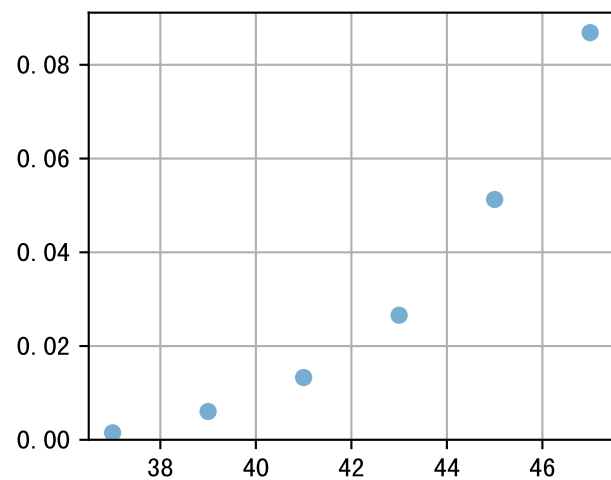
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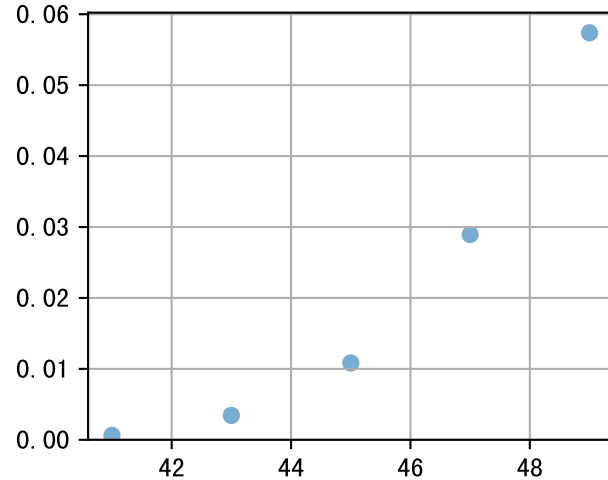
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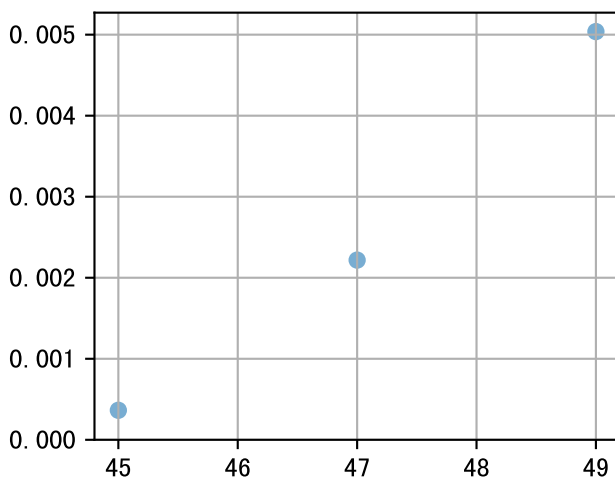
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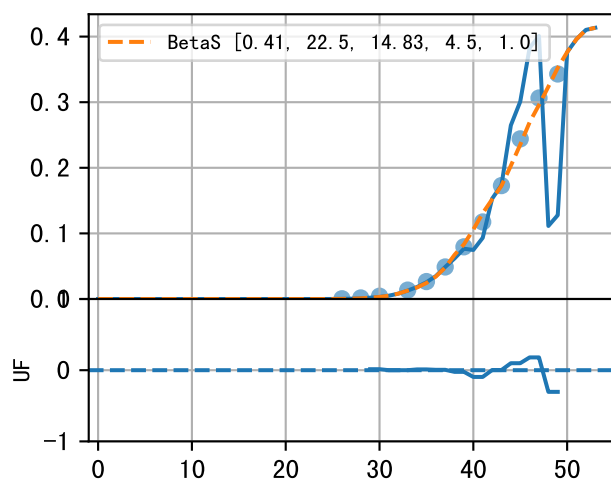
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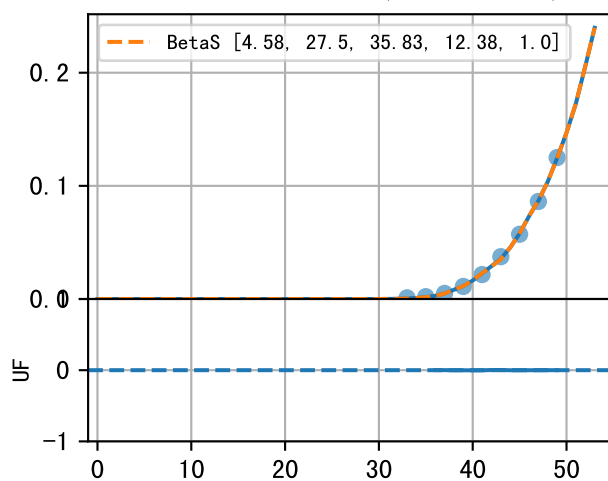
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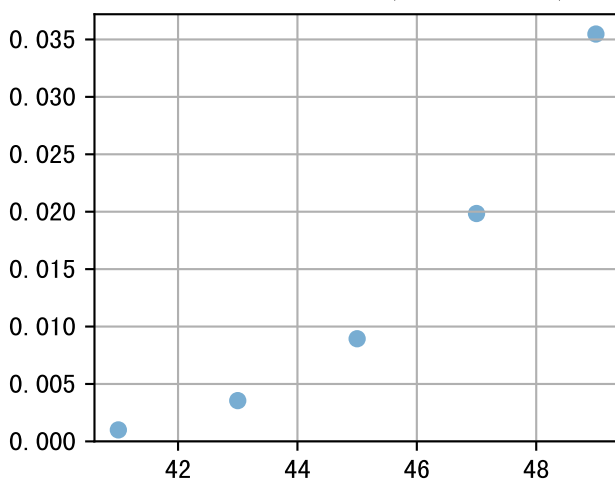
P3-045-17T1Fr1



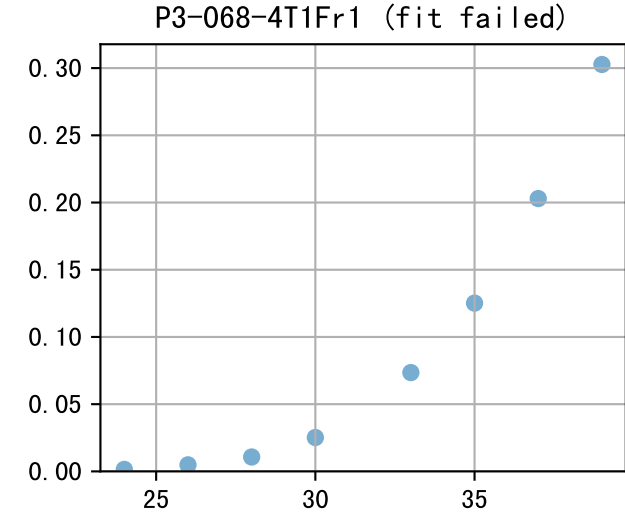
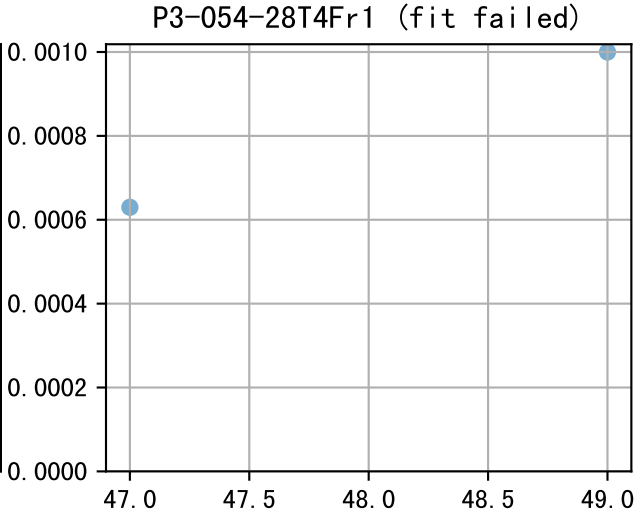
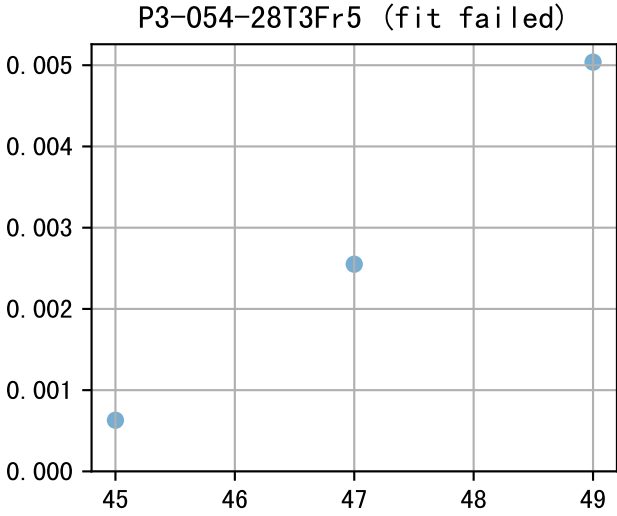
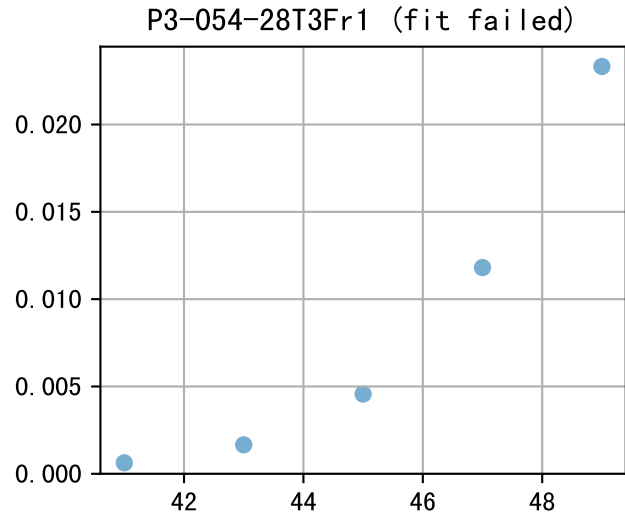
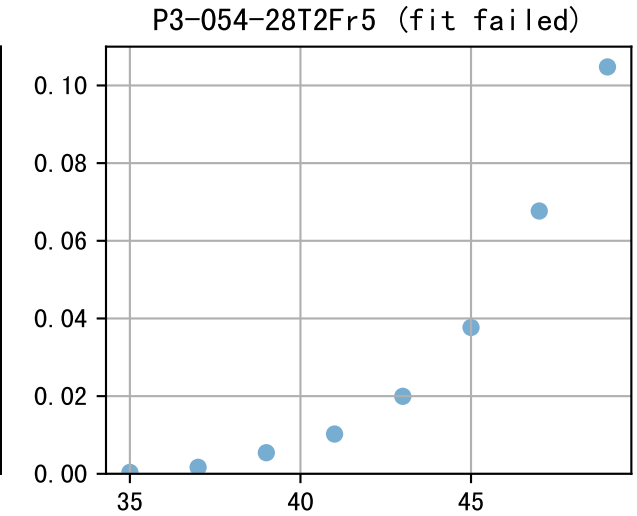
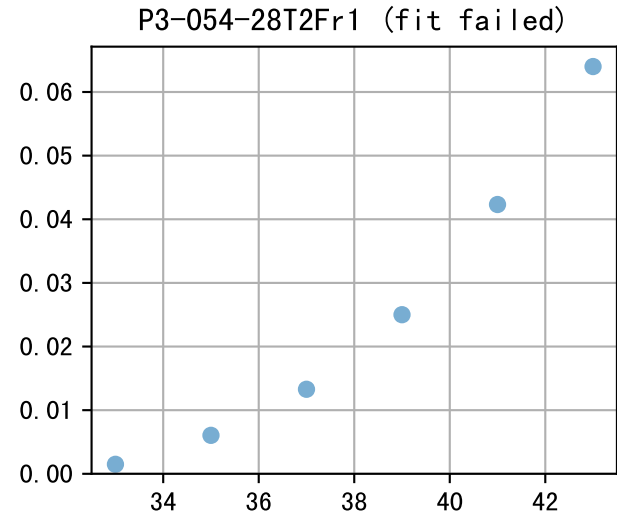
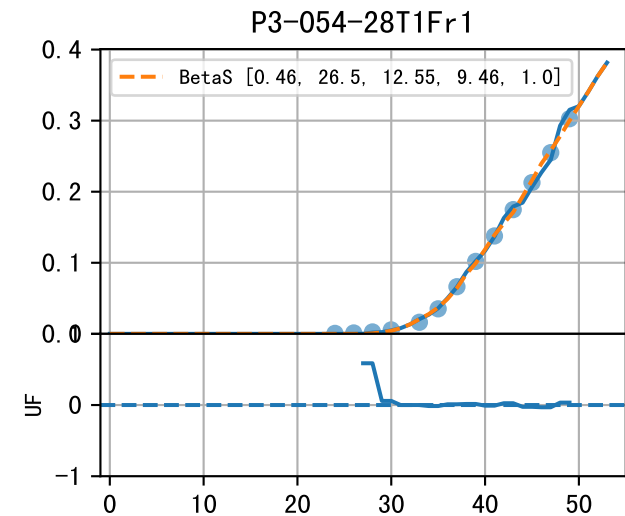
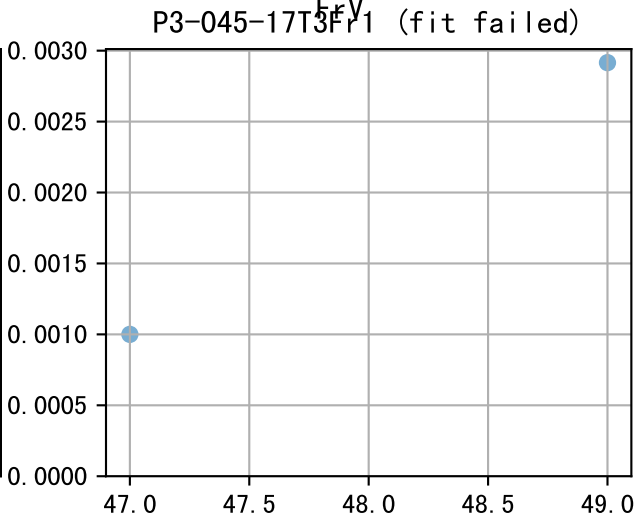
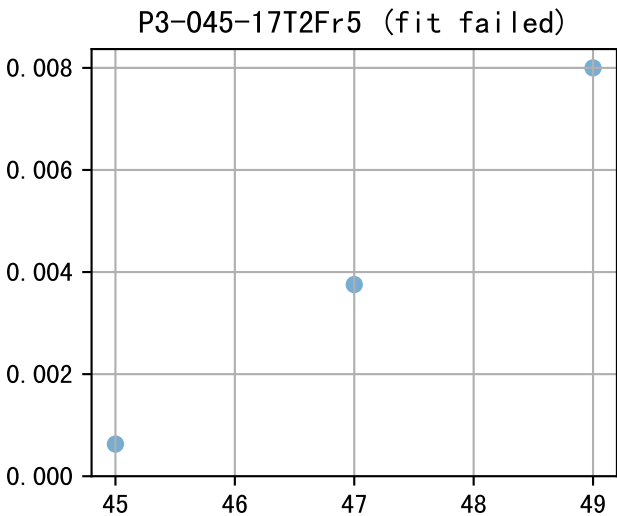
P3-045-17T1Fr5 (fit failed)



P3-045-17T2Fr1 (fit failed)

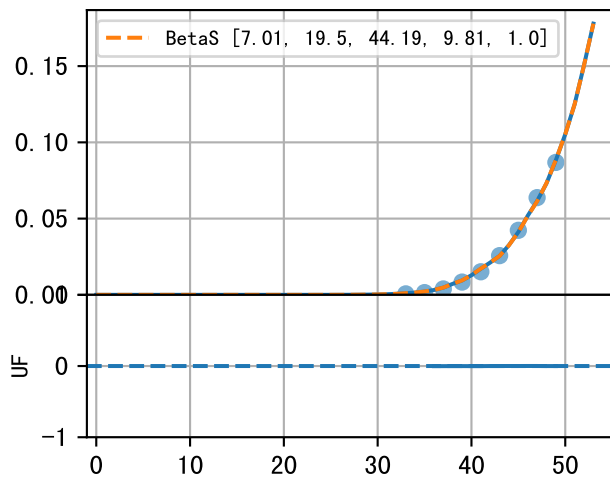


FrV

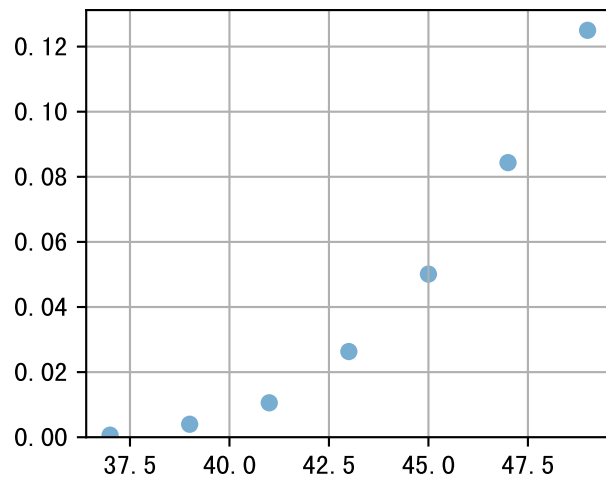


FrV

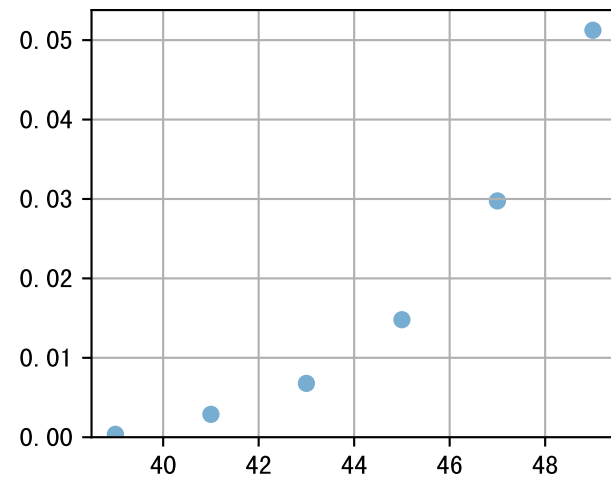
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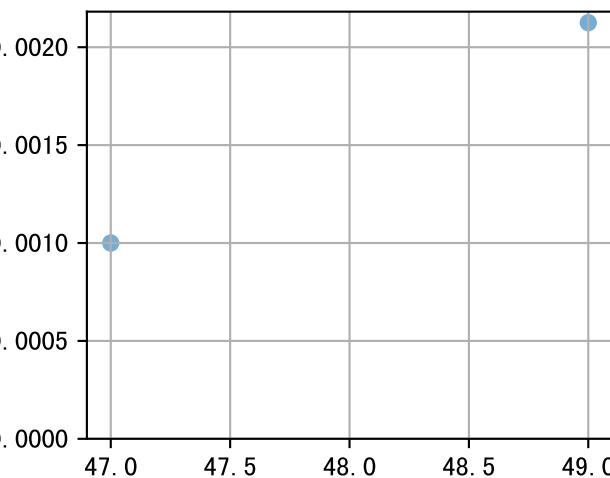
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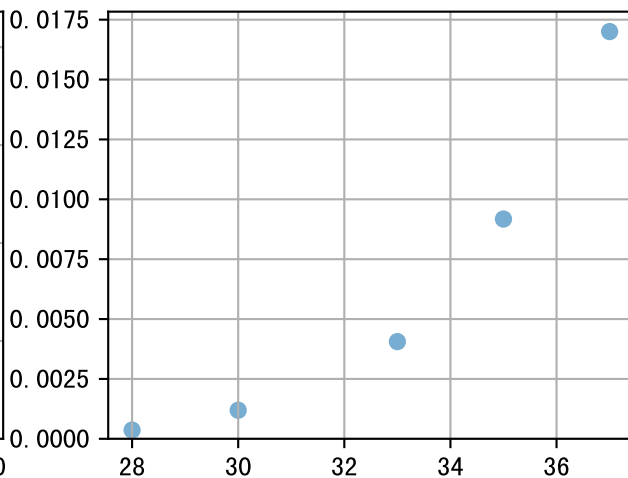
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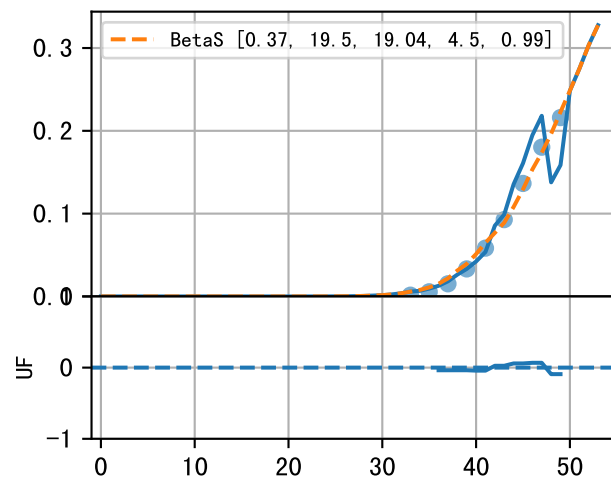
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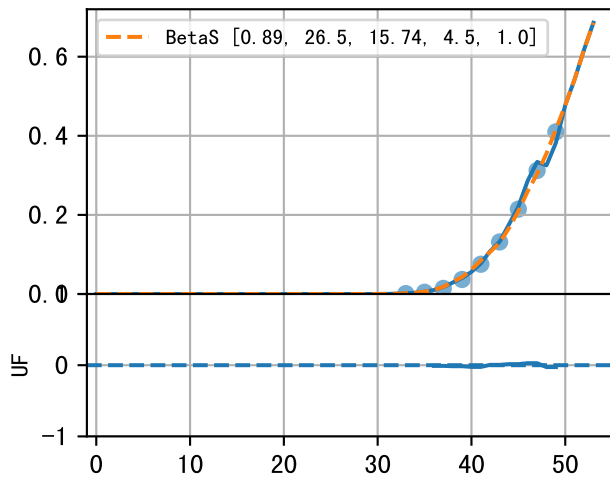
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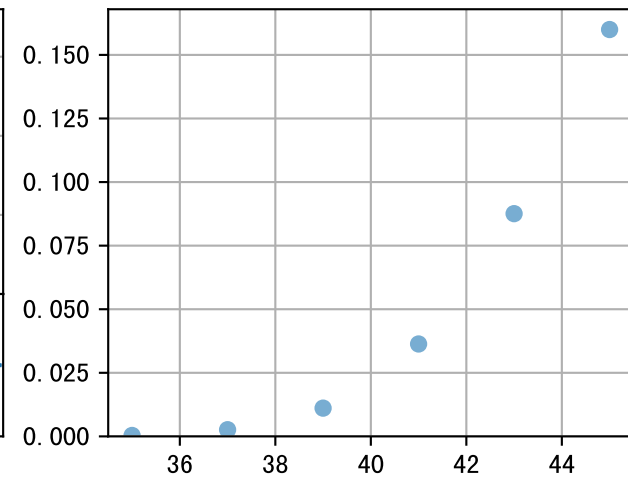
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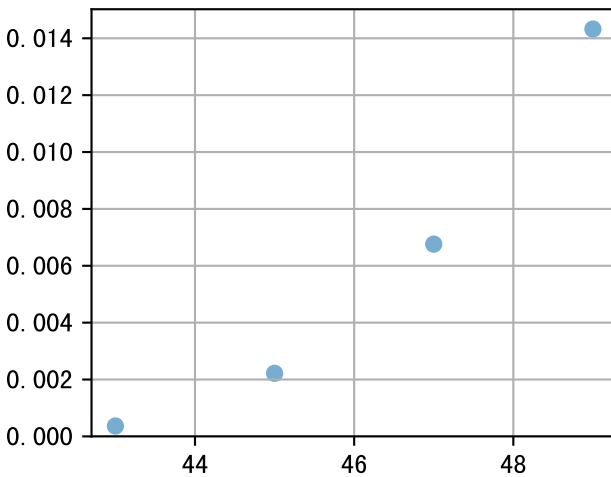
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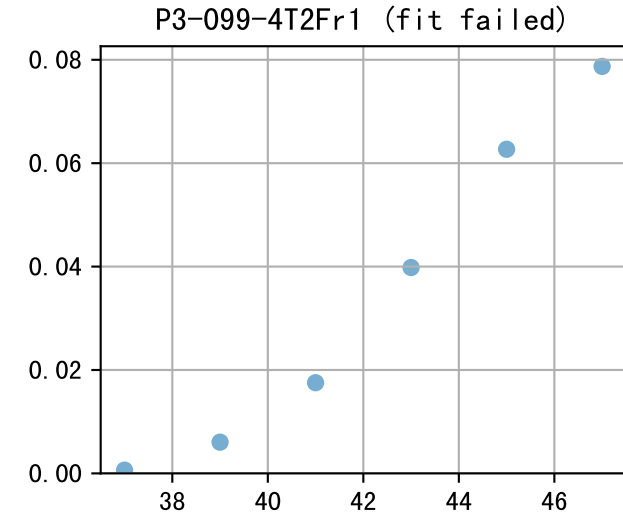
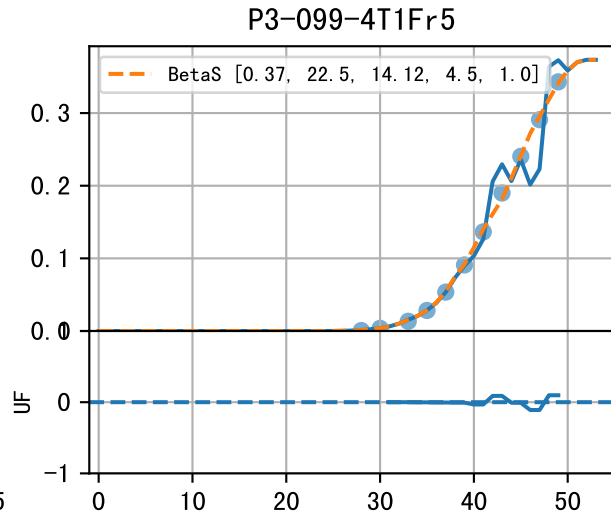
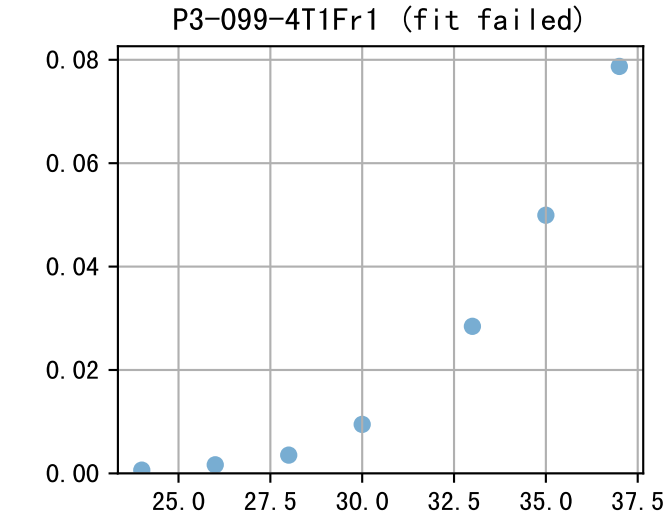
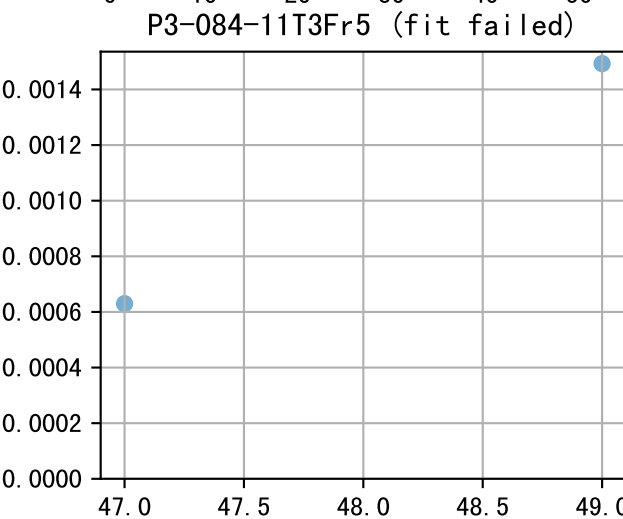
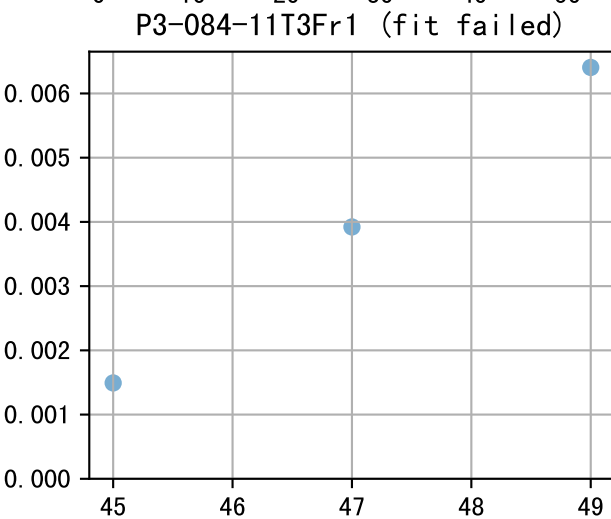
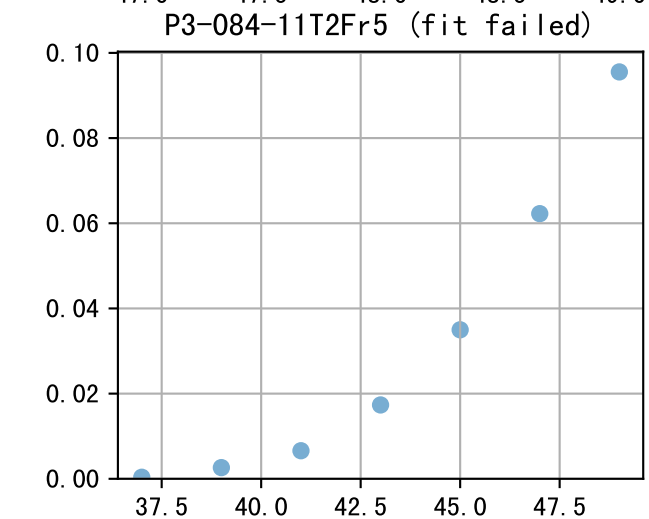
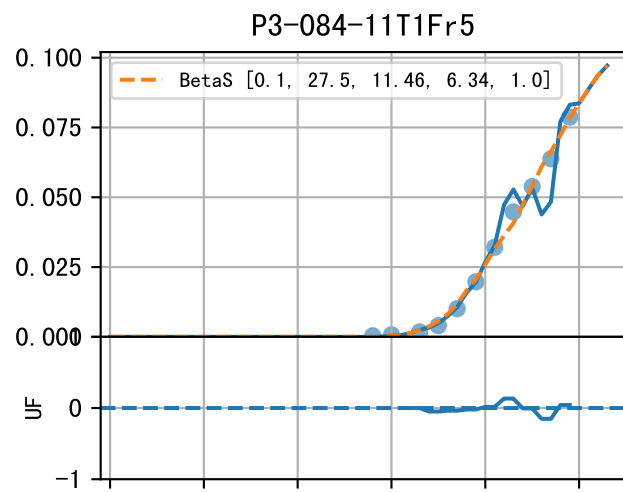
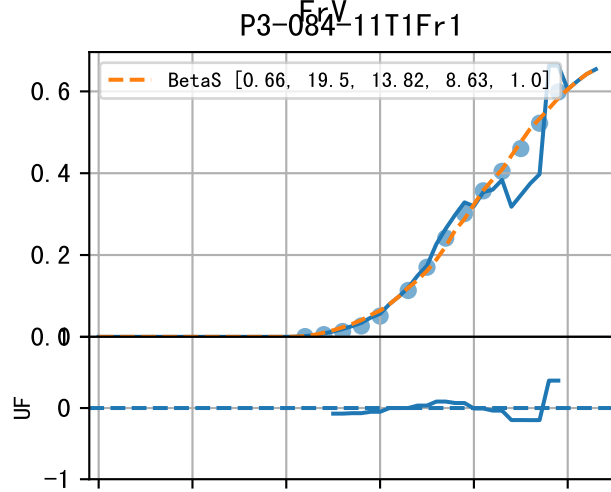
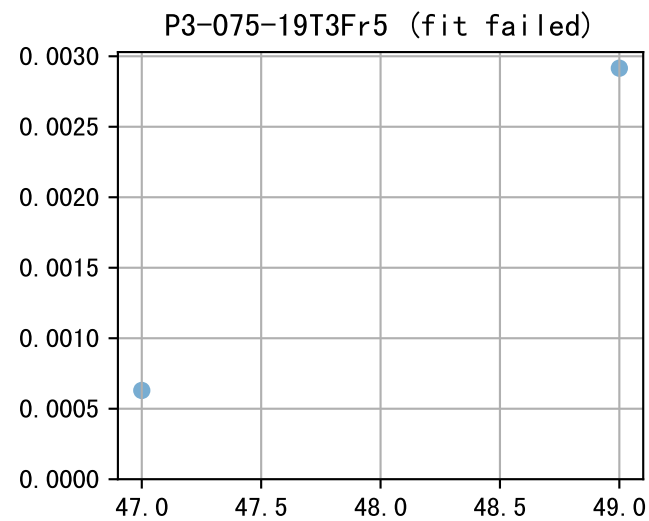
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P3-075-19T3Fr1 (fit failed)

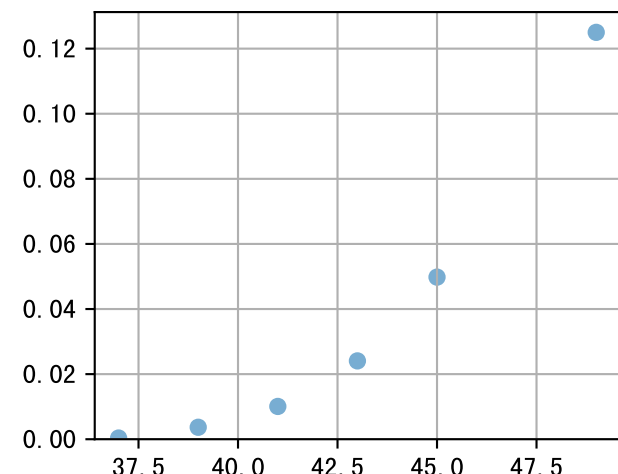


FrV

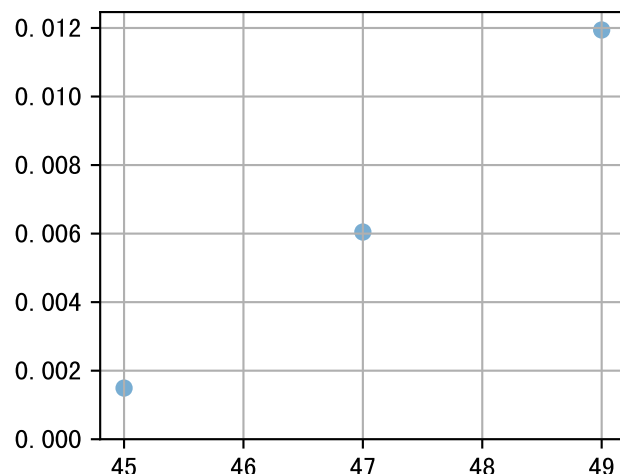


FrV

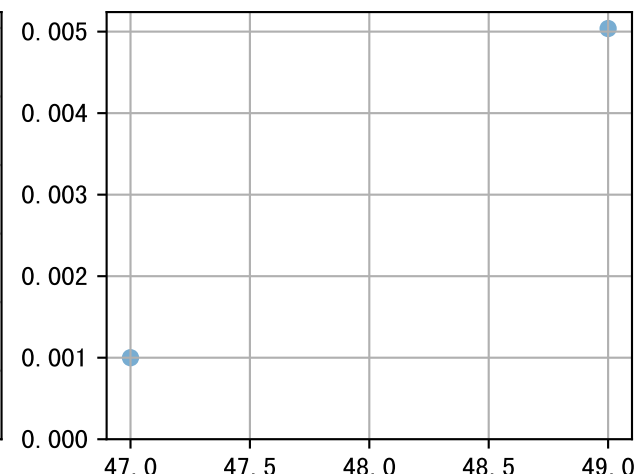
P3-099-4T2Fr5 (fit failed)



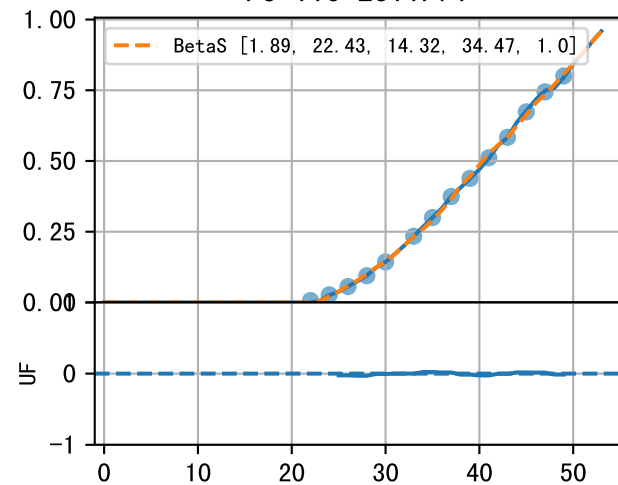
P3-099-4T3Fr1 (fit failed)



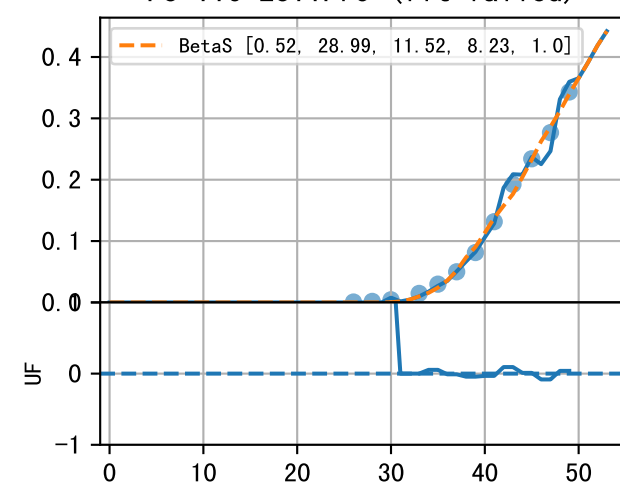
P3-099-4T3Fr5 (fit failed)



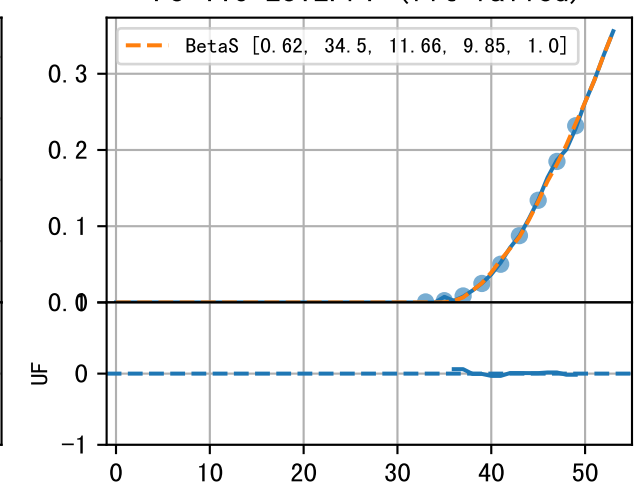
P3-110-23T1Fr1



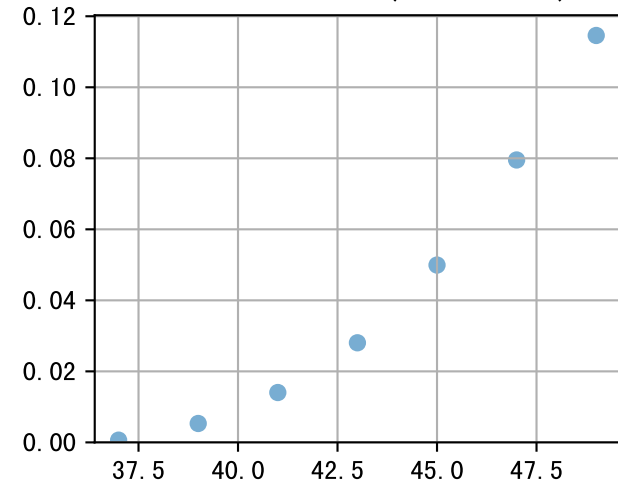
P3-110-23T1Fr5 (fit failed)



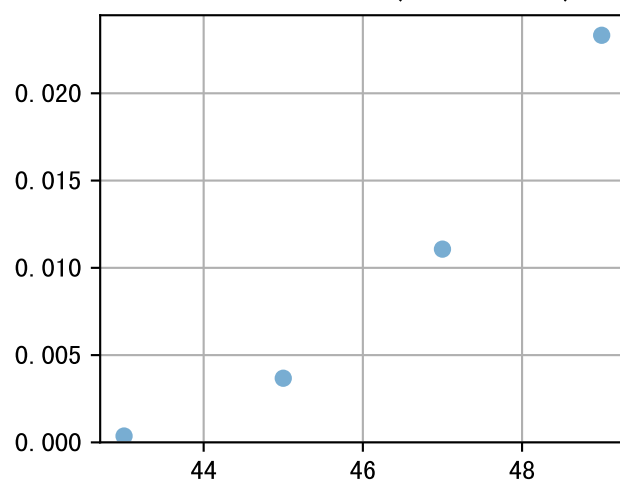
P3-110-23T2Fr1 (fit failed)



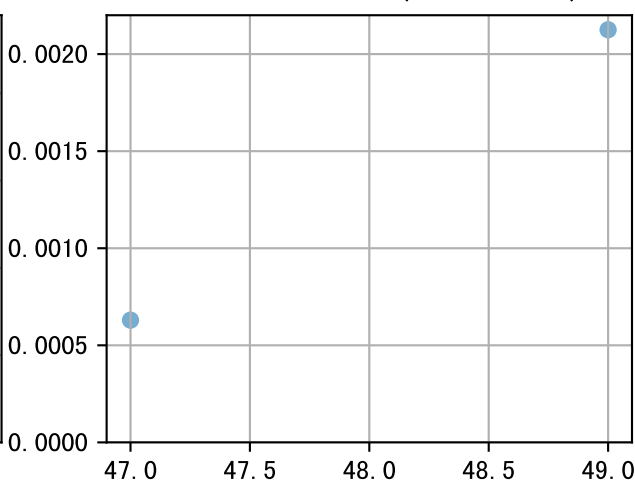
P3-110-23T2Fr5 (fit failed)

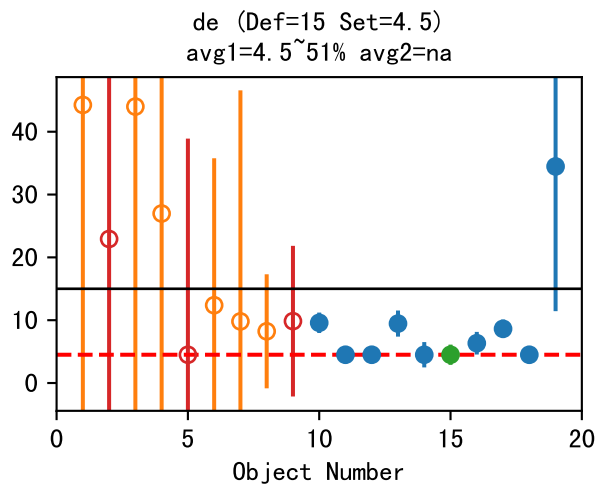
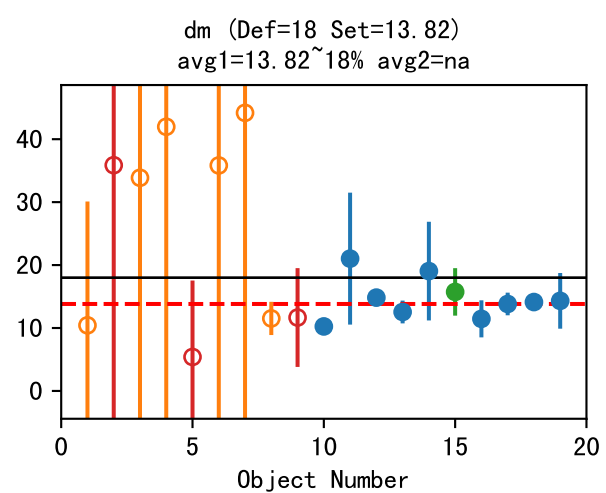
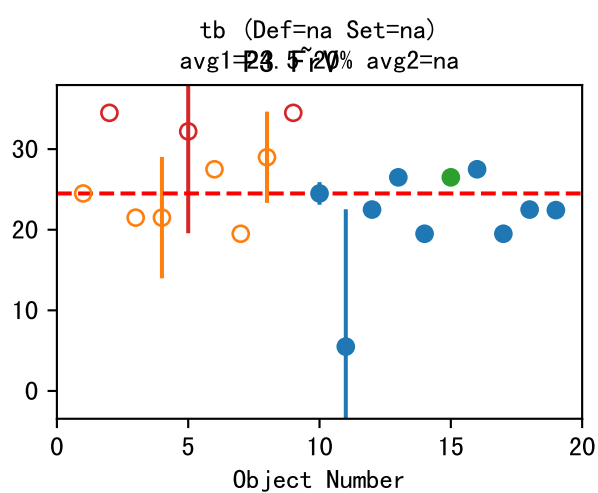
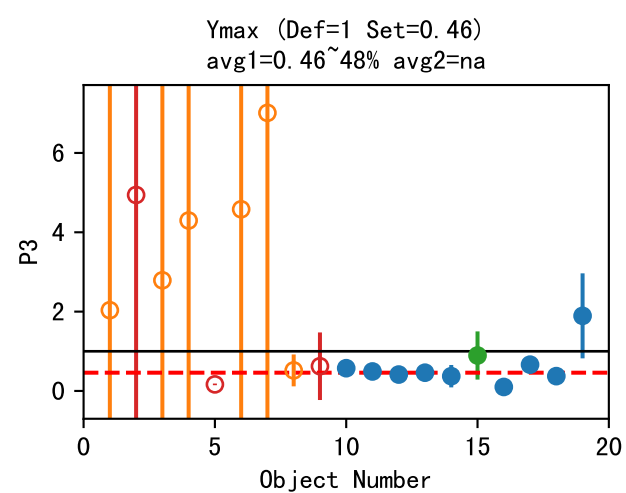


P3-110-23T3Fr1 (fit failed)

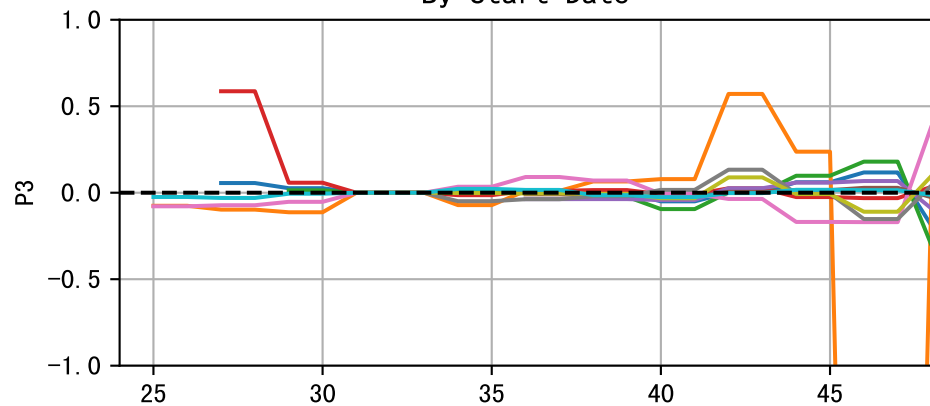


P3-110-23T3Fr5 (fit failed)

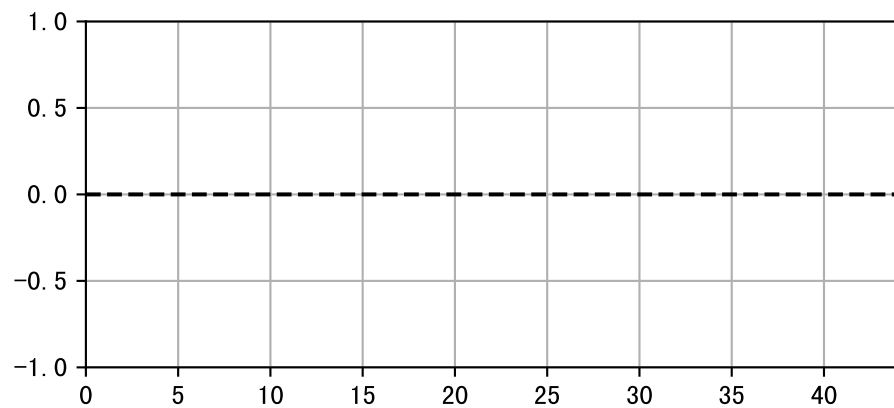
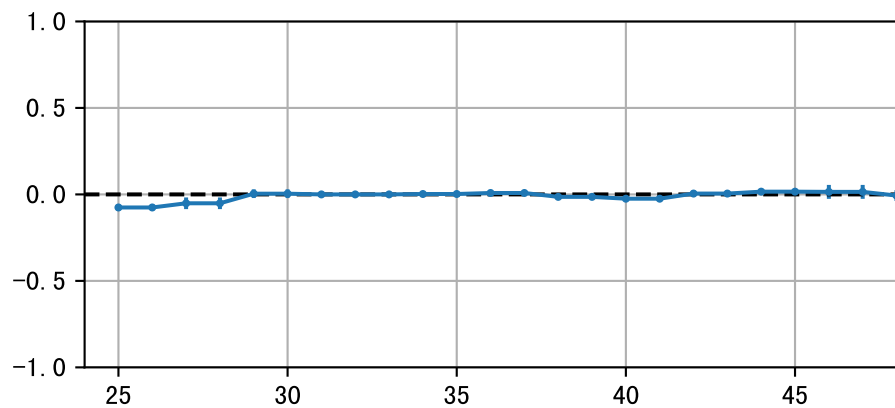
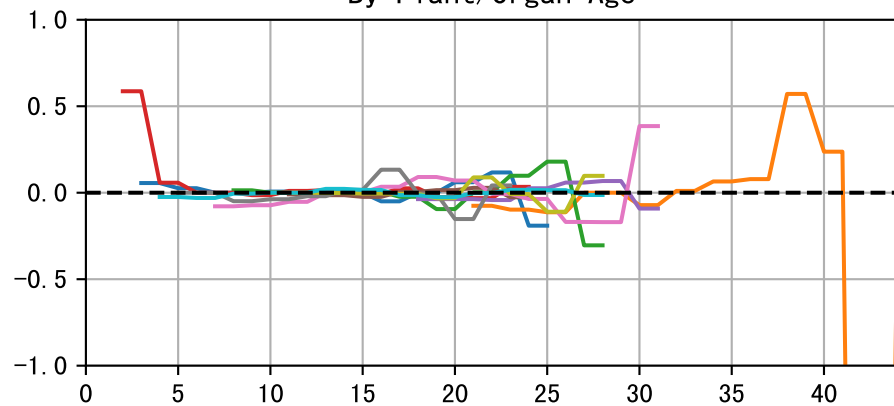




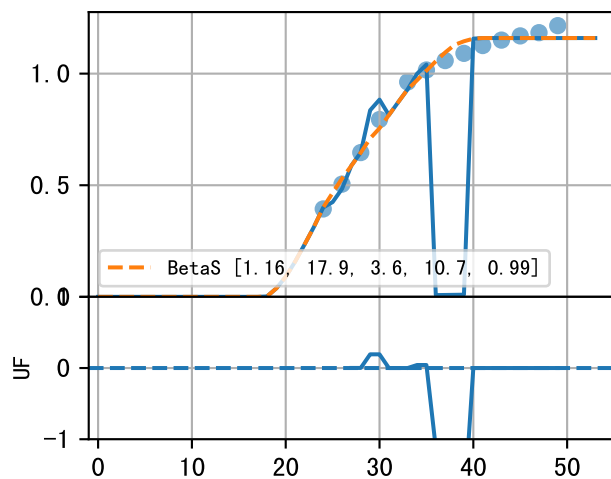
By Start Date



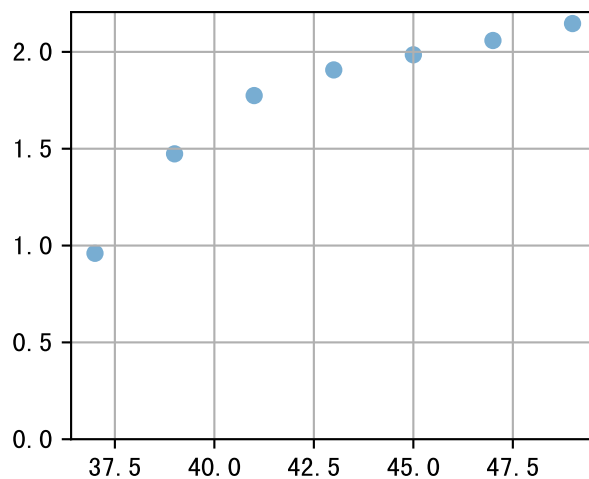
By Plant/Organ Age



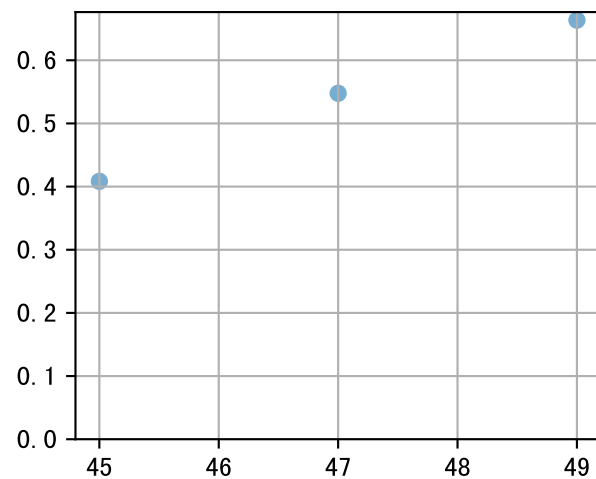
P3-009-13L10 (fit failed)



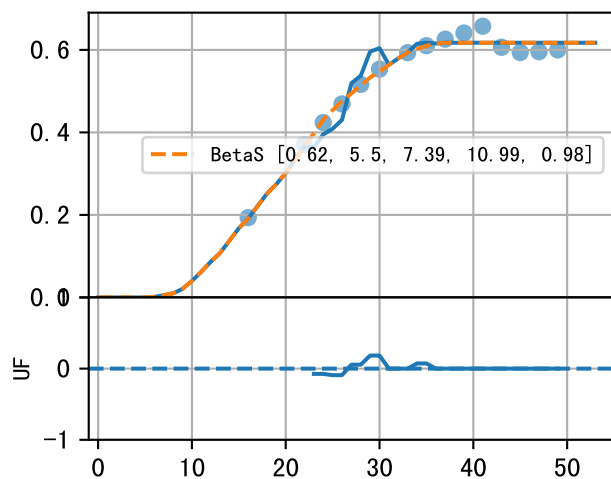
P3-009-13L15 (fit failed)



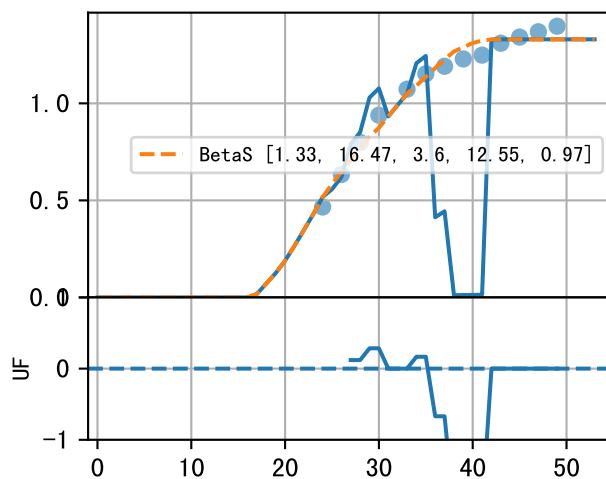
P3-009-13L18 (fit failed)



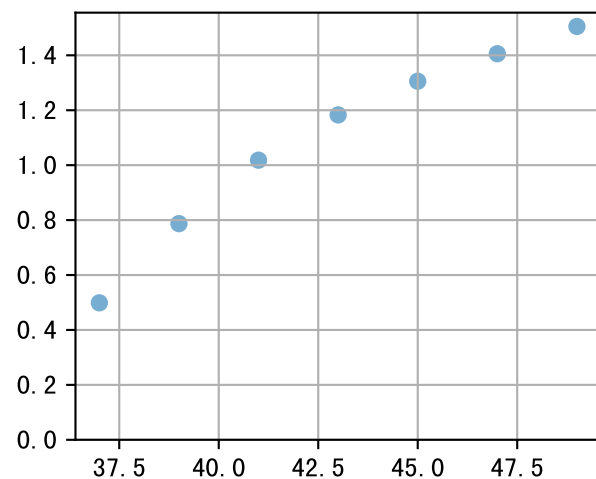
P3-009-13L7 (fit failed)



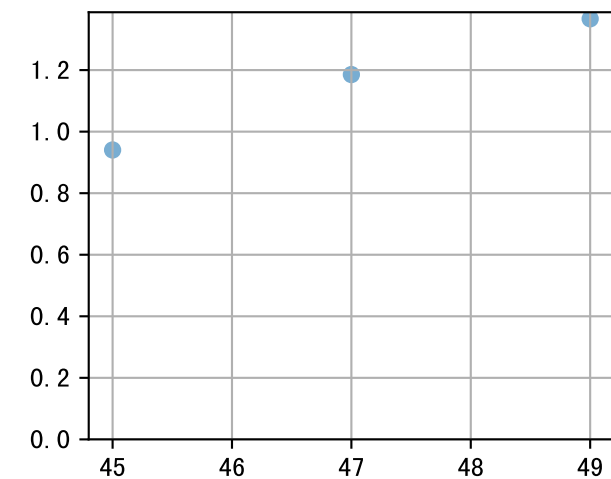
P3-021-19L10



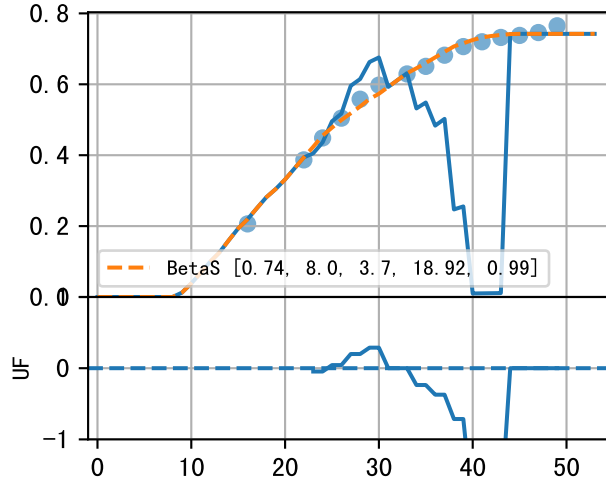
P3-021-19L15 (fit failed)



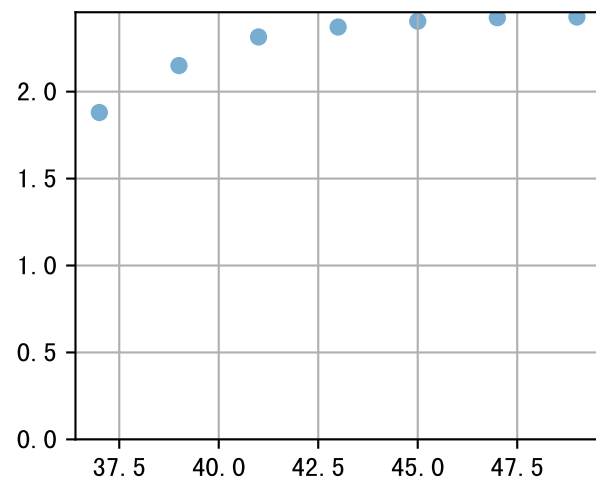
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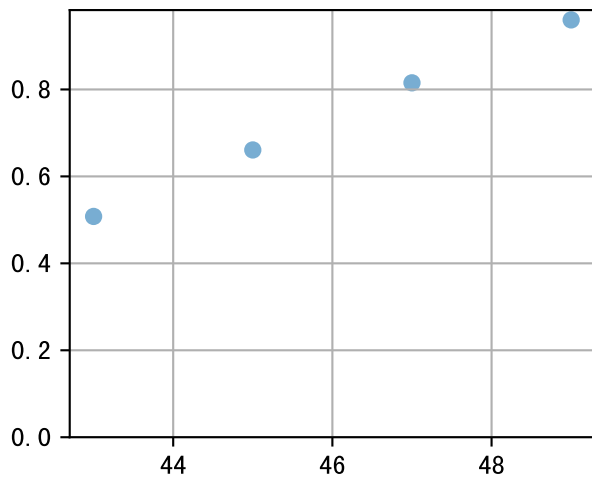
P3-021-19L6 (fit failed)



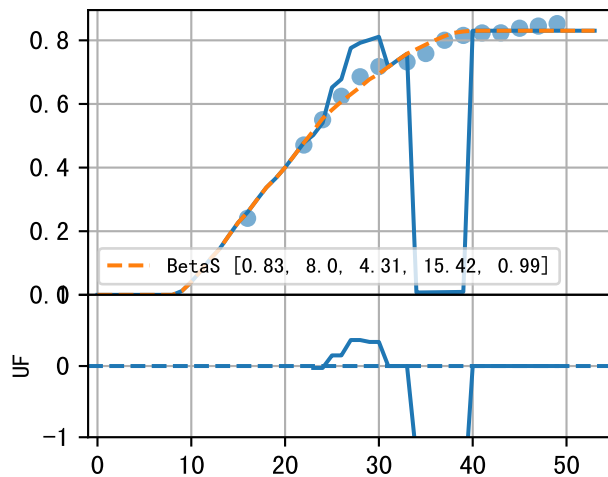
P3-034-5L12 (fit failed)



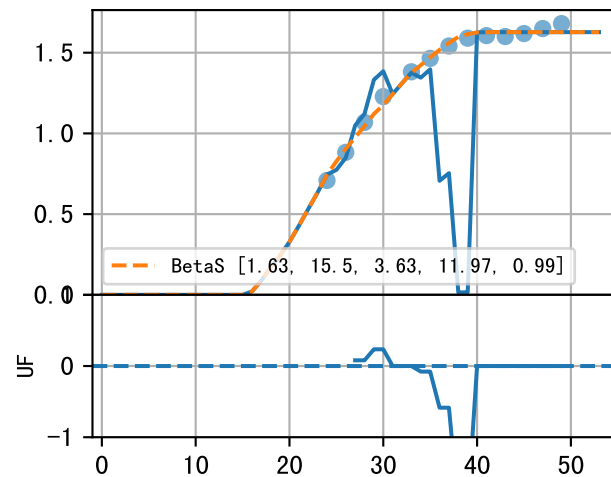
P3-034-5L15 (fit failed)



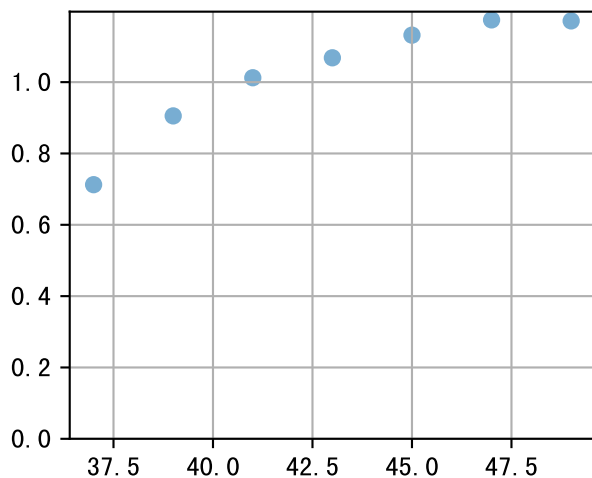
P3-034-5L6 (fit failed)



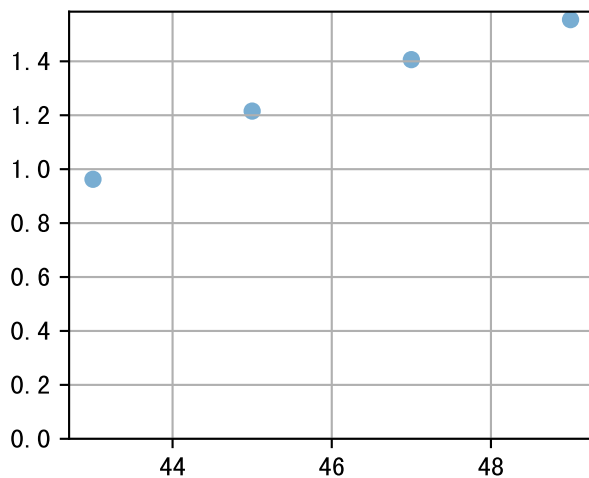
P3-034-5L9



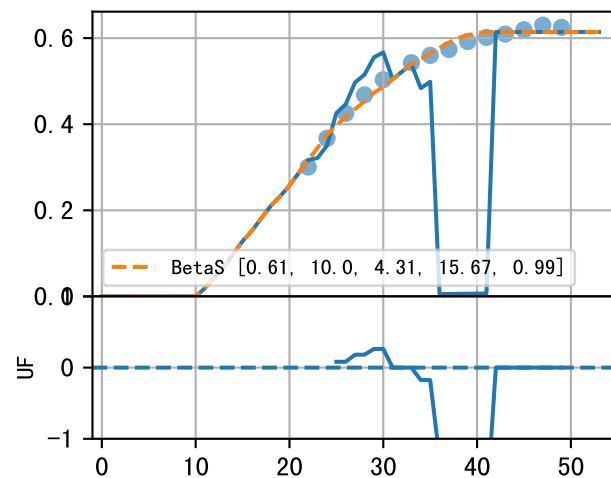
P3-045-17L12 (fit failed)



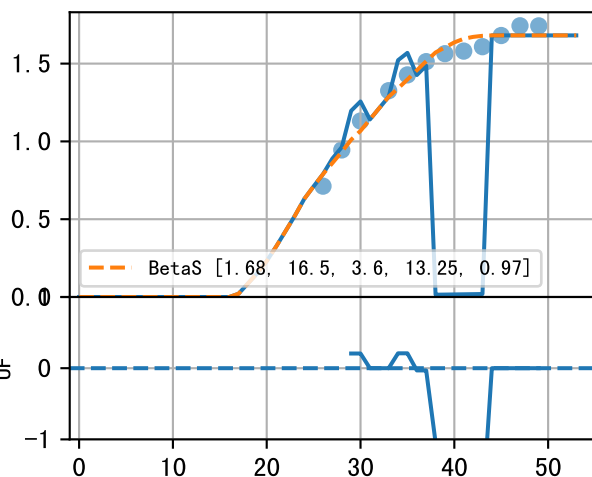
P3-045-17L15 (fit failed)



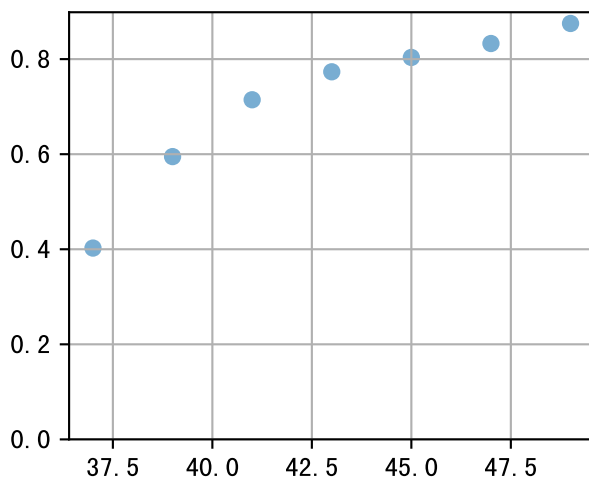
P3-045-17L6 (fit failed)



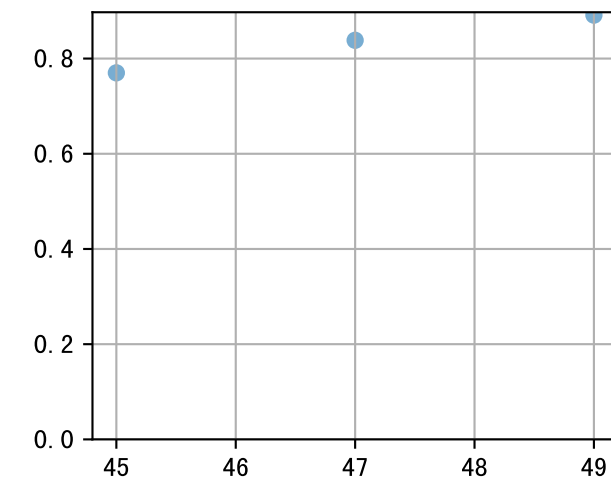
P3-054-28L10



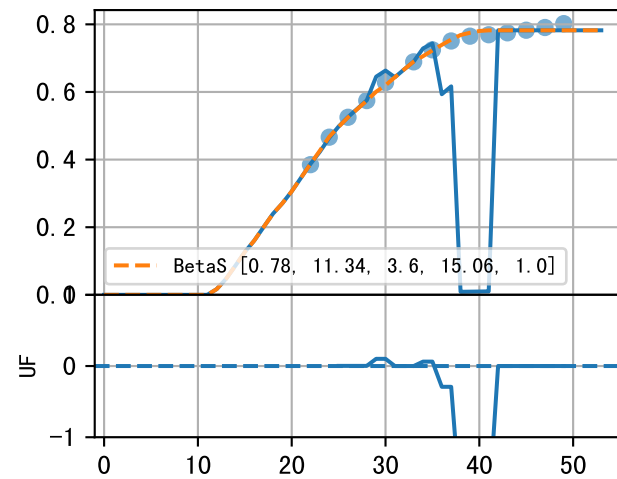
P3-054-28L13 (fit failed)



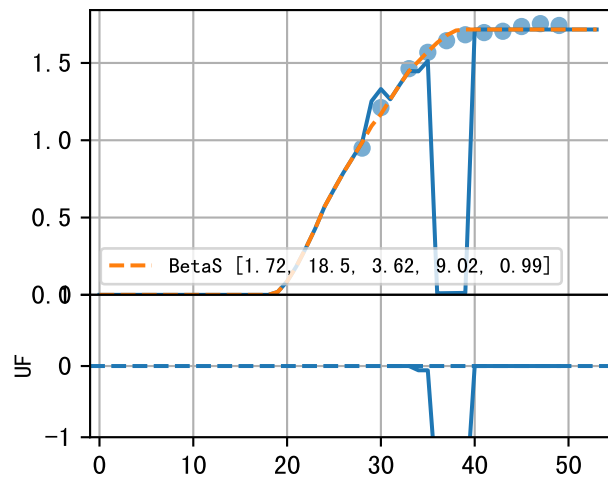
P3-054-28L16 (fit failed)



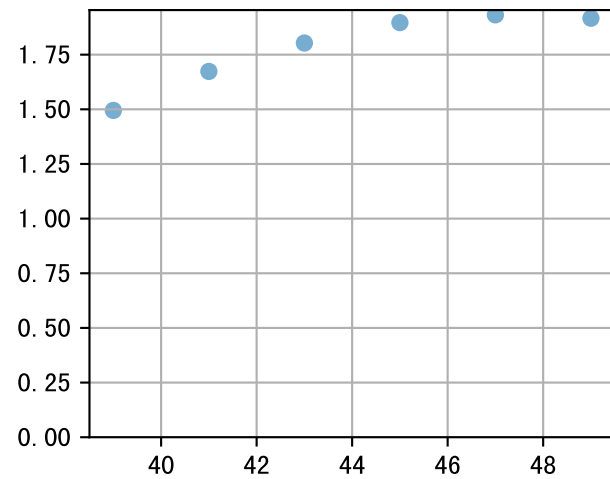
P3-054-28L7



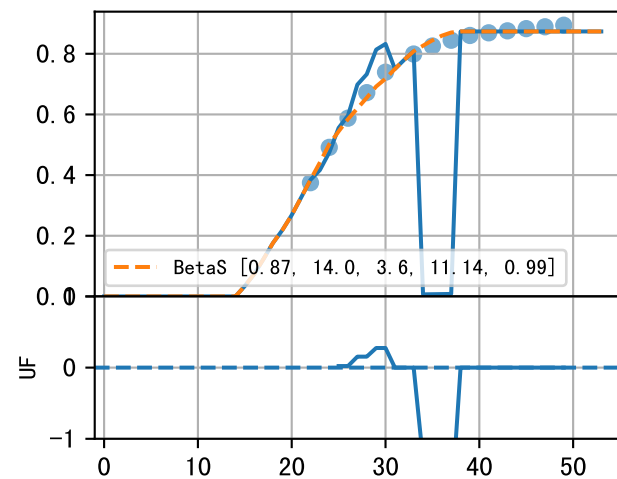
P3-068-4L10



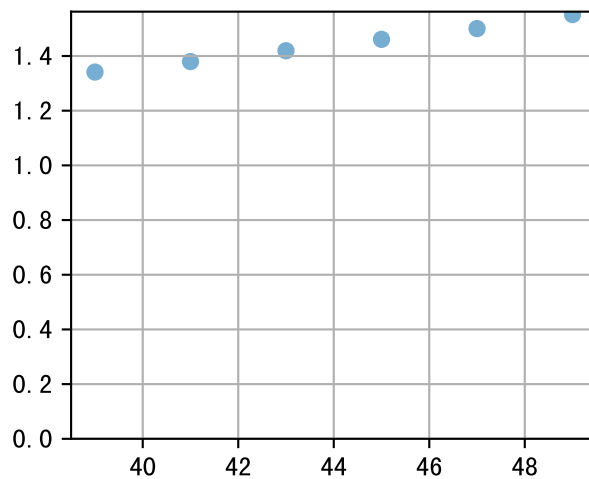
P3-068-4L13 (fit failed)



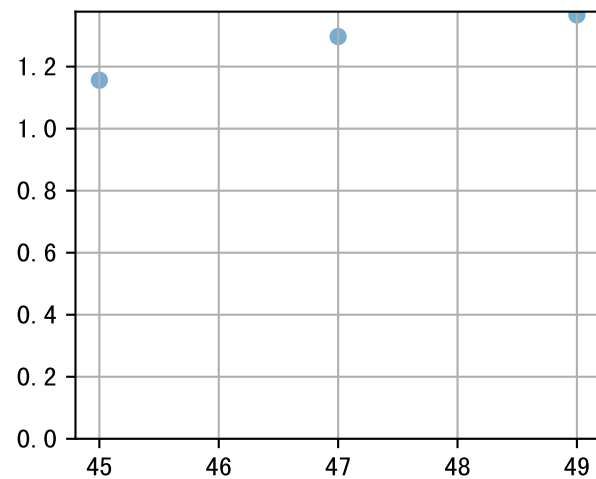
P3-068-4L7 (fit failed)



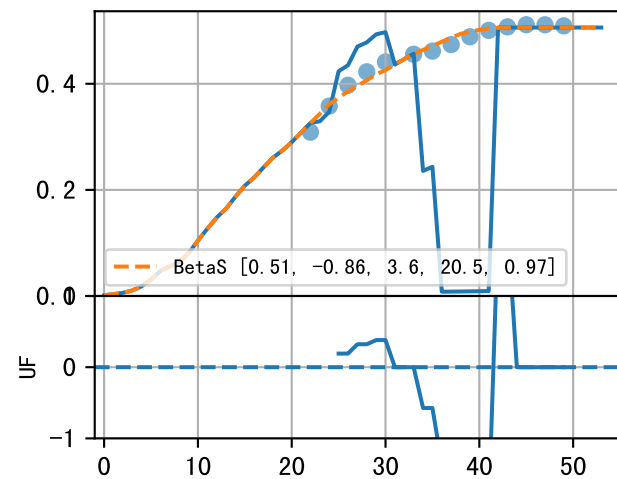
P3-075-19L12 (fit failed)



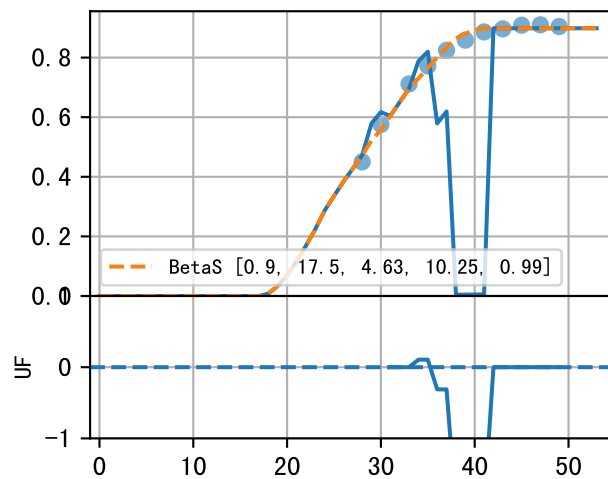
P3-075-19L15 (fit failed)



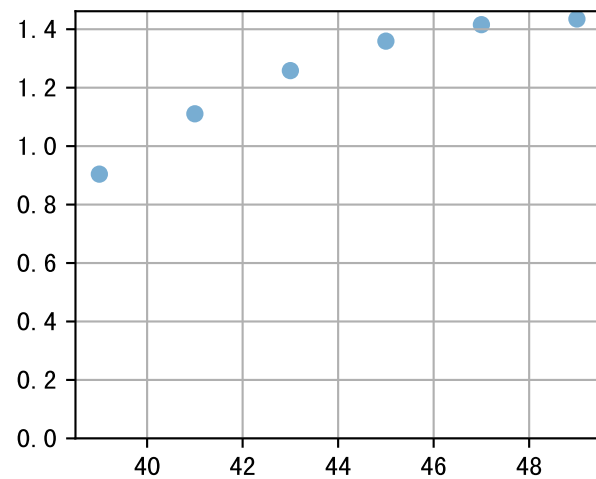
P3-075-19L6 (fit failed)



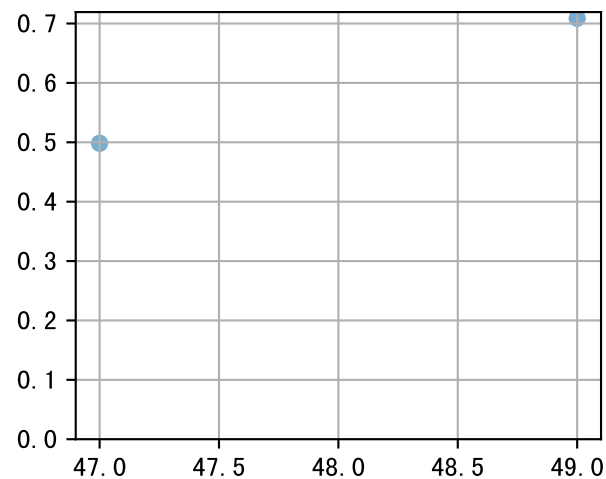
P3-075-19L9



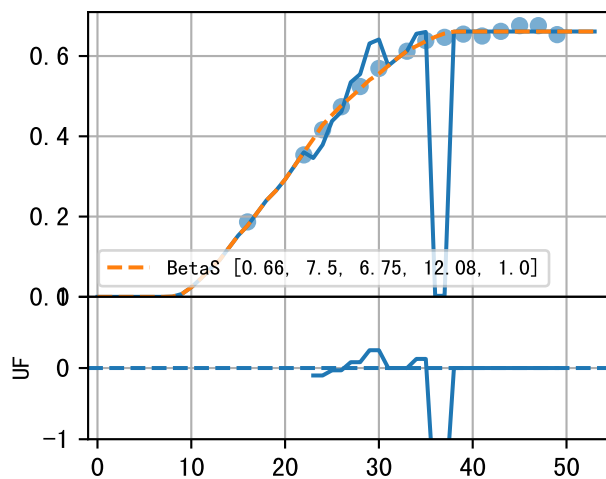
P3-084-11L13 (fit failed)



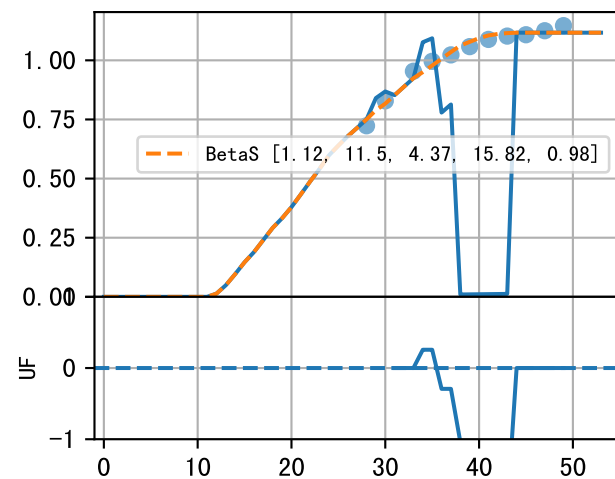
P3-084-11L16 (fit failed)



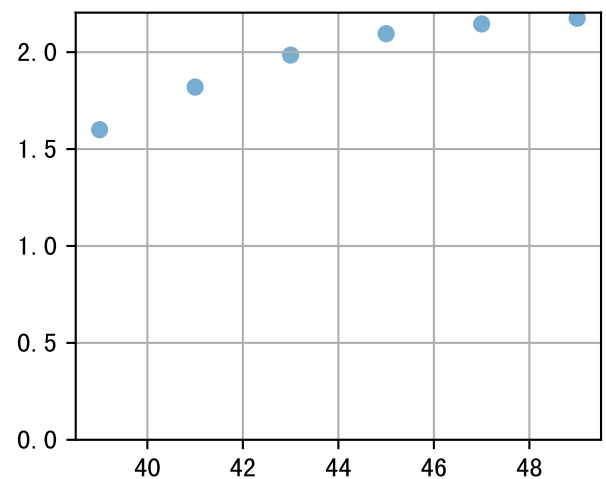
P3-084-11L6



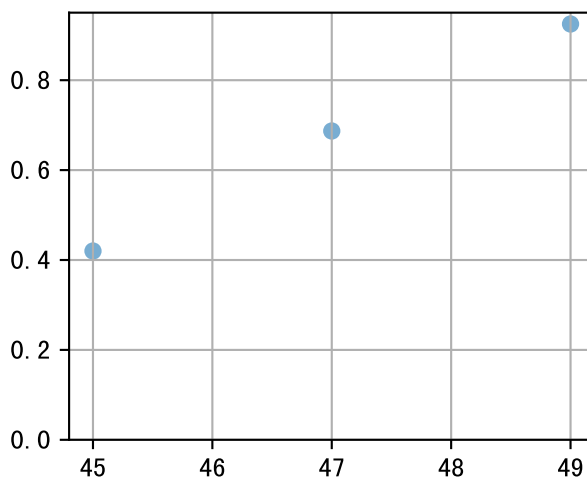
P3-084-11L9 (fit failed)



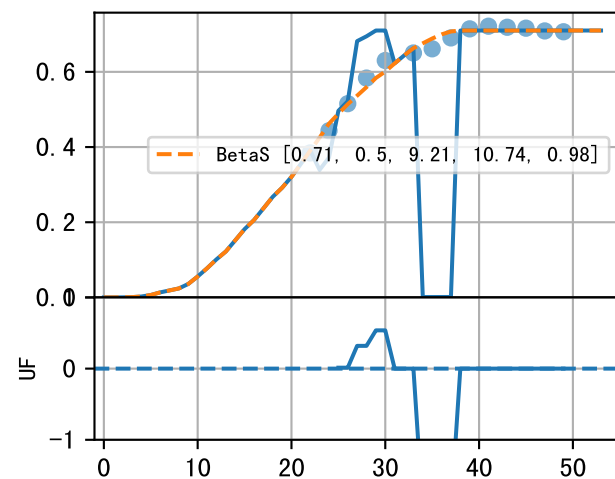
P3-099-4L12 (fit failed)



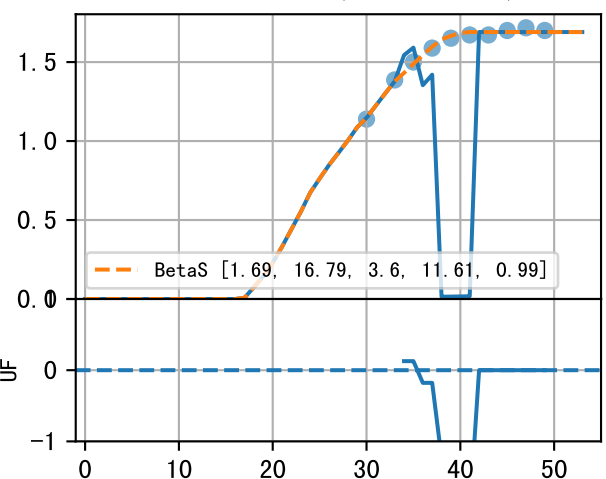
P3-099-4L15 (fit failed)



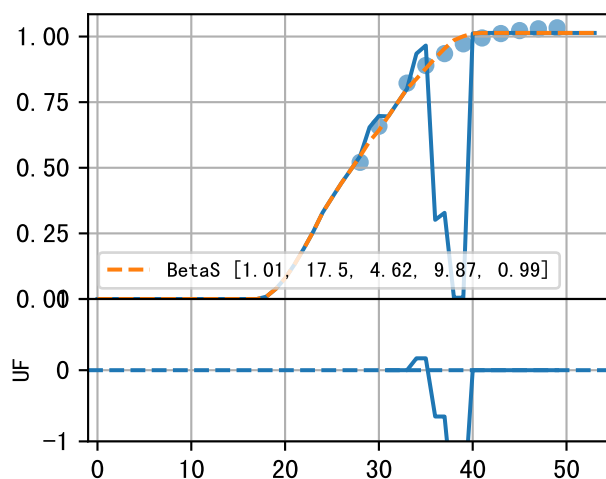
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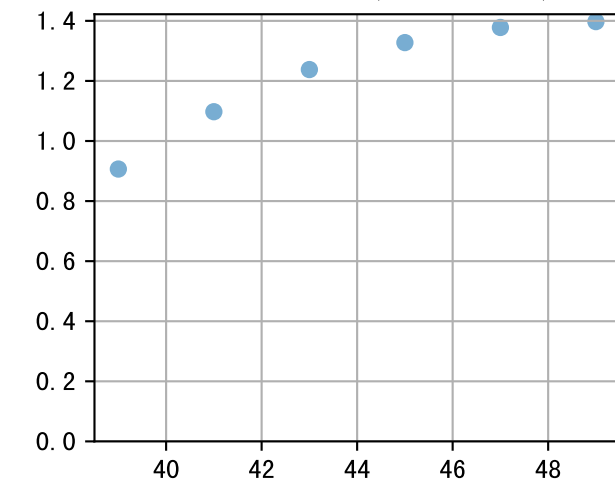
P3-099-4L9 (fit failed)



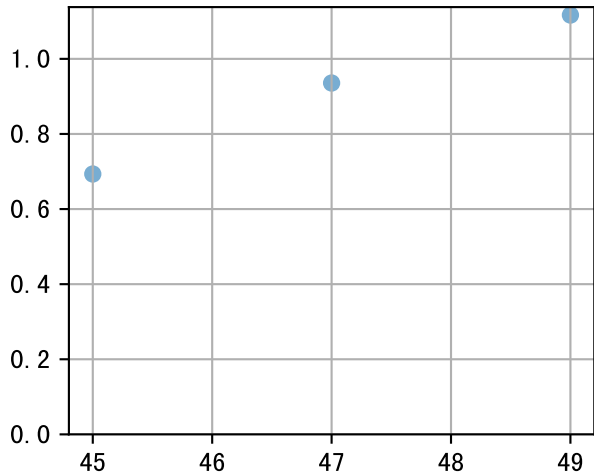
P3-110-23L10



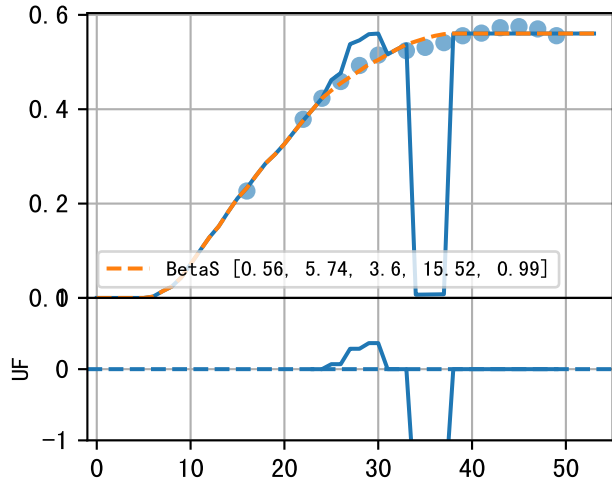
P3-110-23L14 (fit failed)

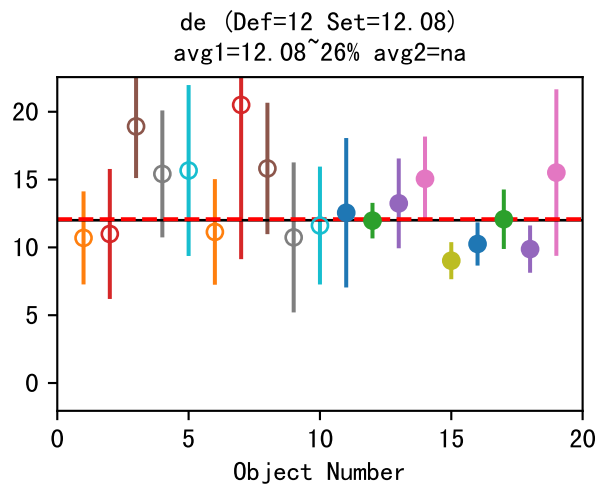
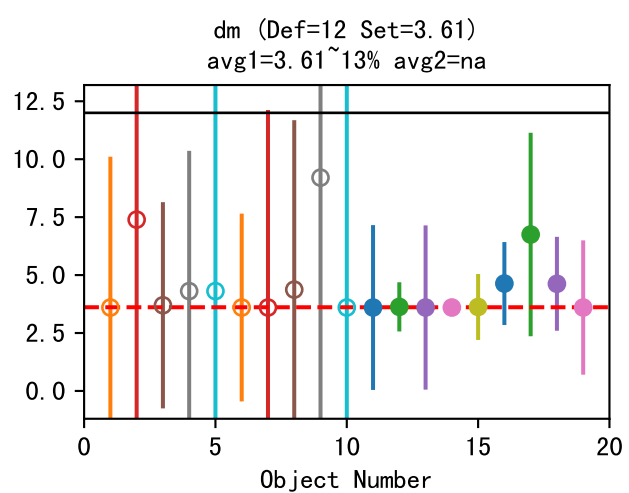
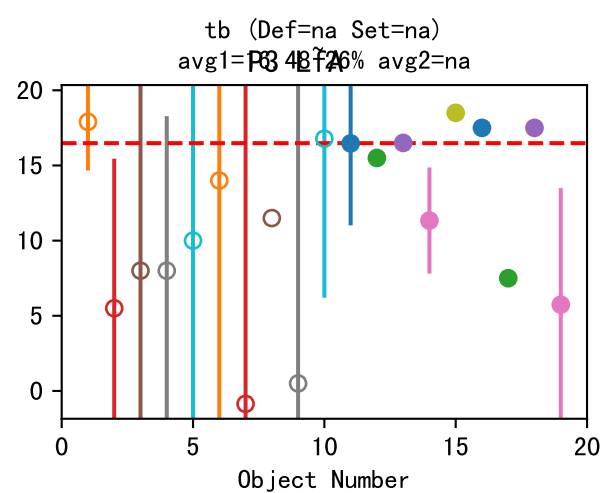
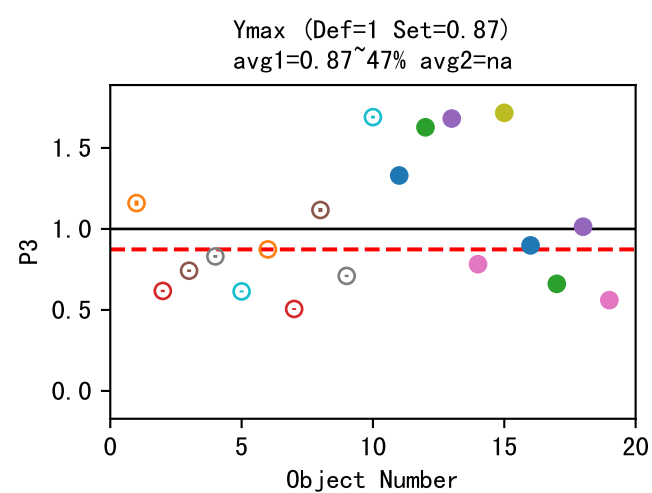


P3-110-23L17 (fit failed)

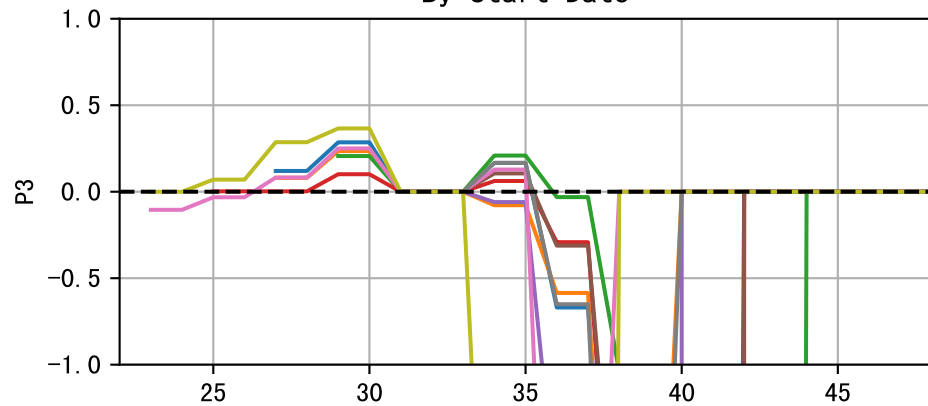


P3-110-23L6

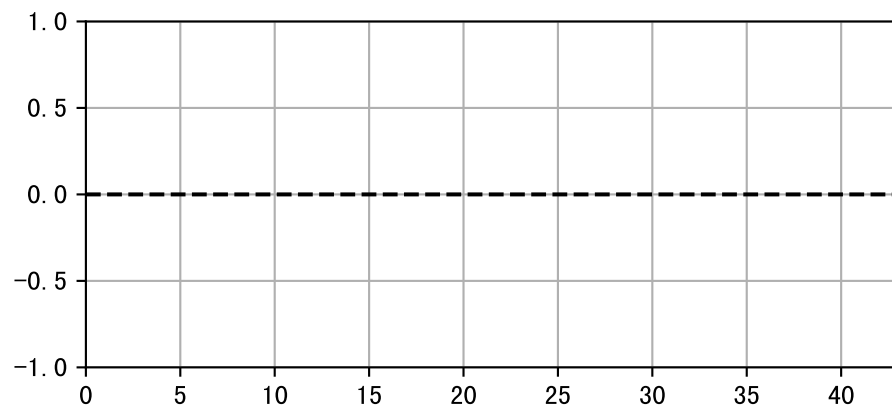
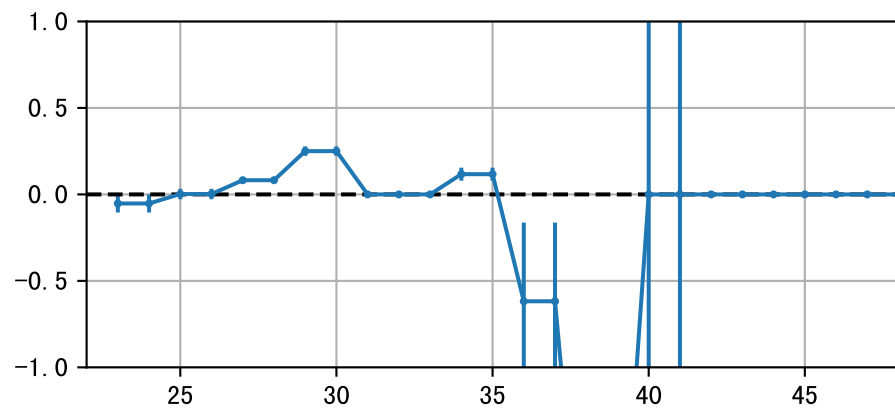
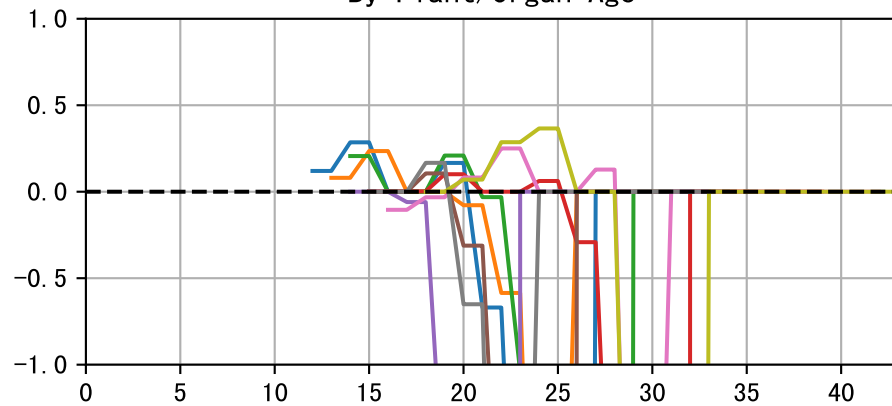


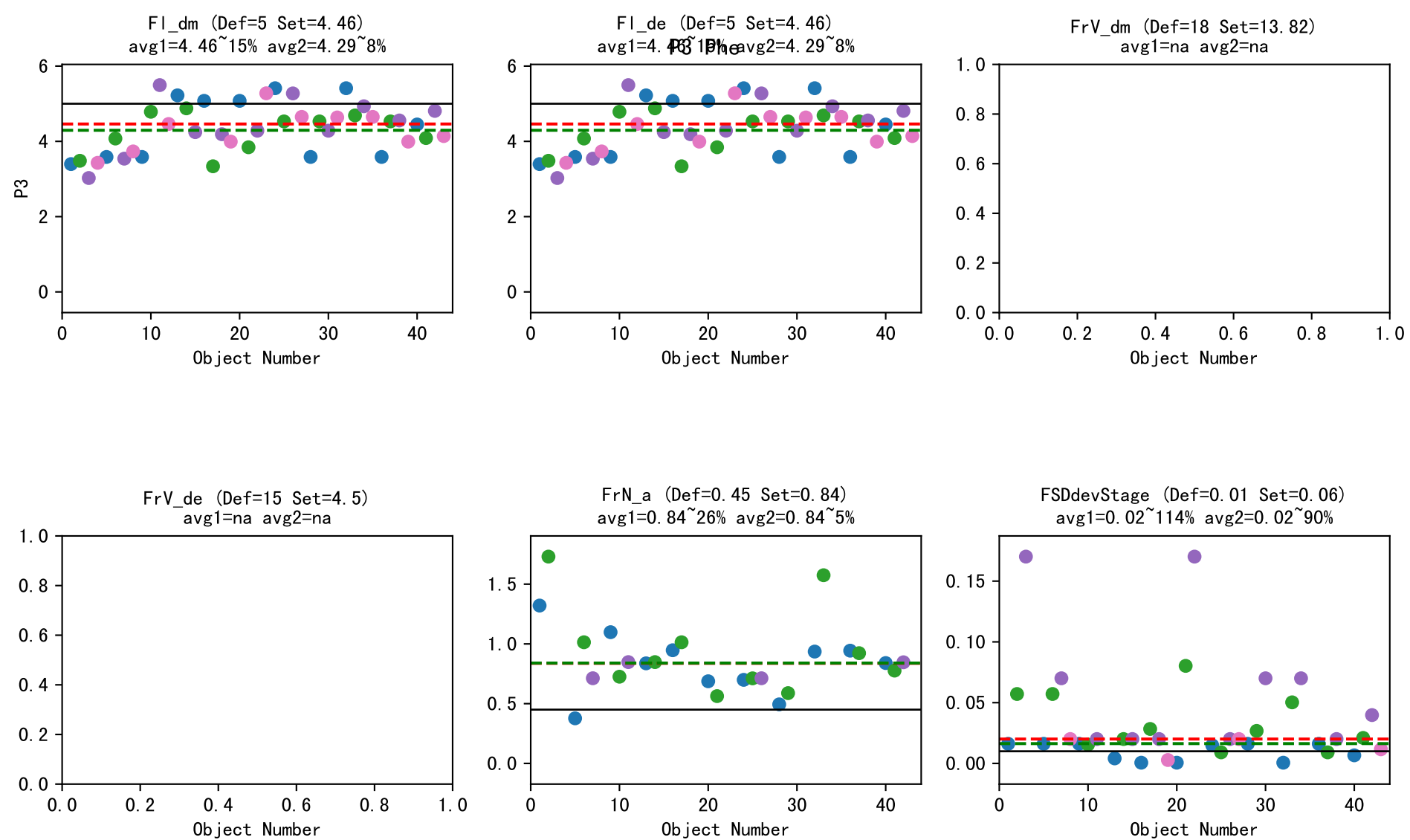


By Start Date

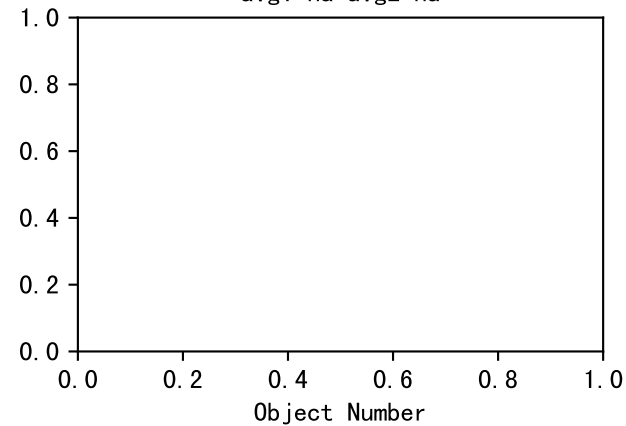


By Plant/Organ Age

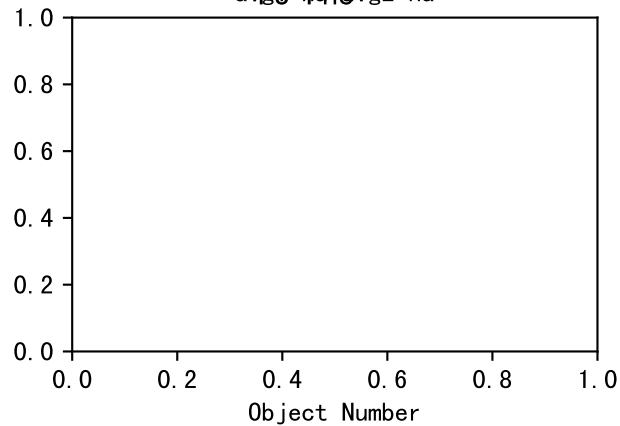




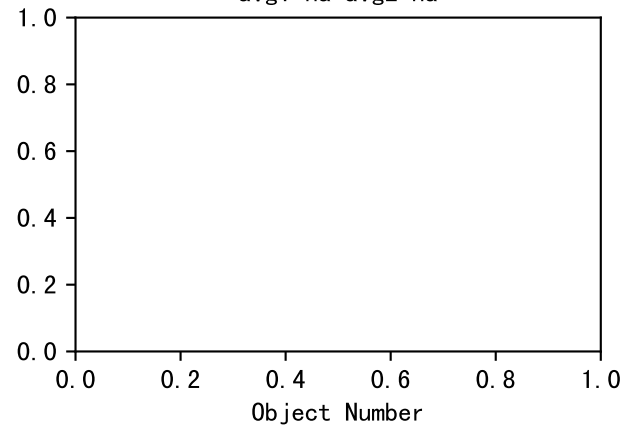
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



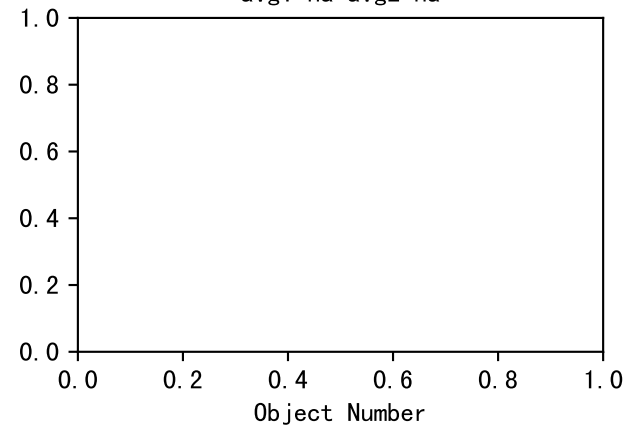
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



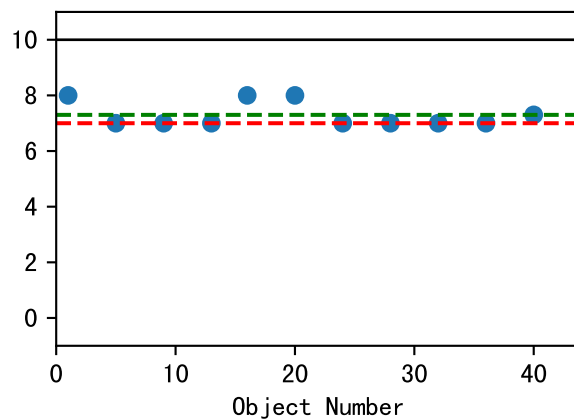
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

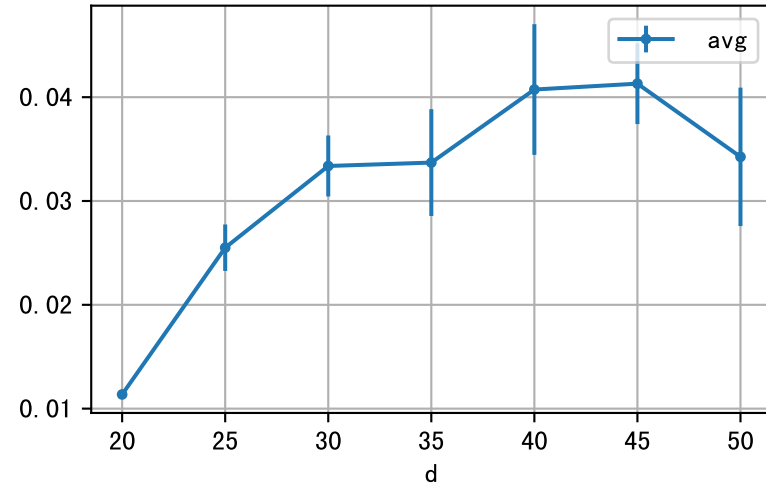


NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

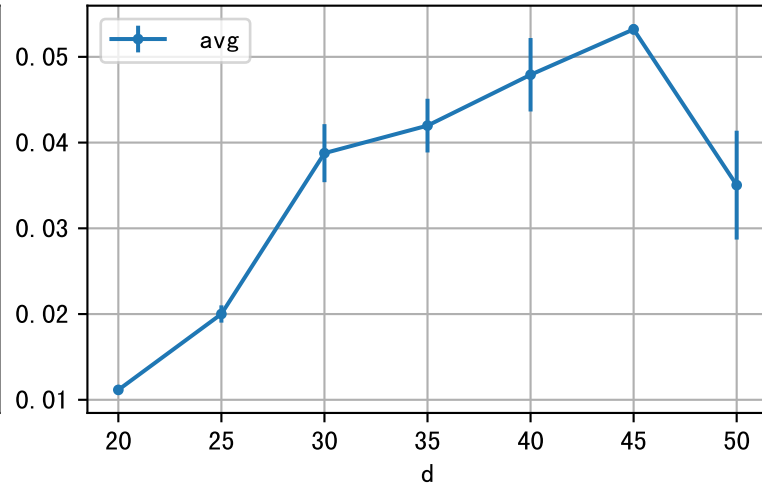


LfA: avg vs. d at each age group

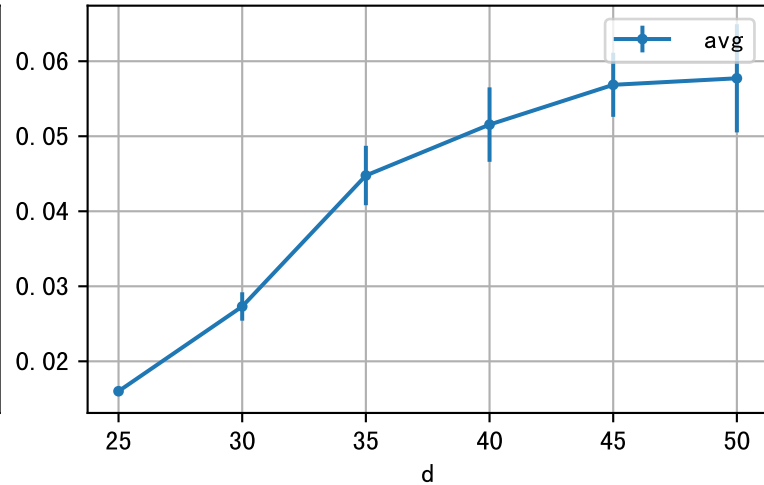
age=15



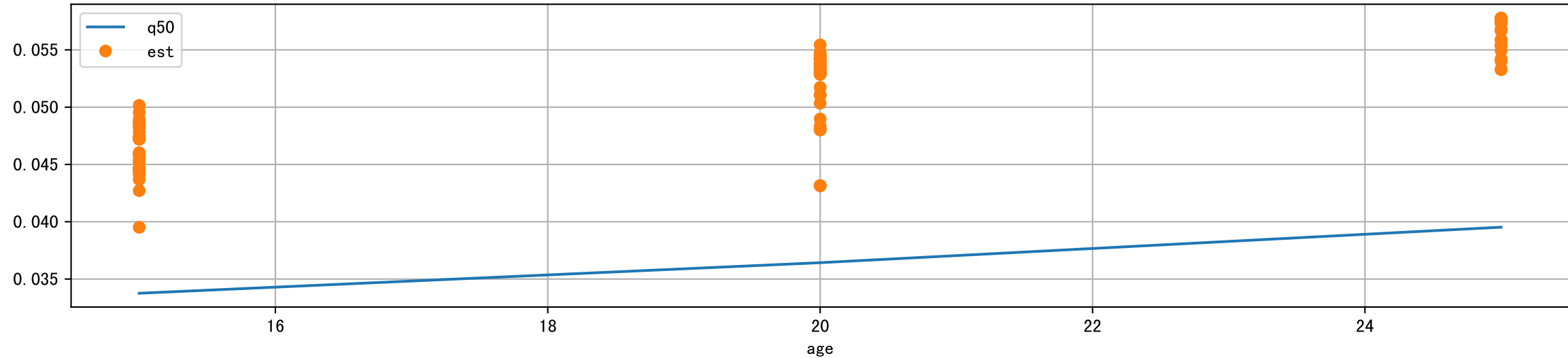
age=20



age=25

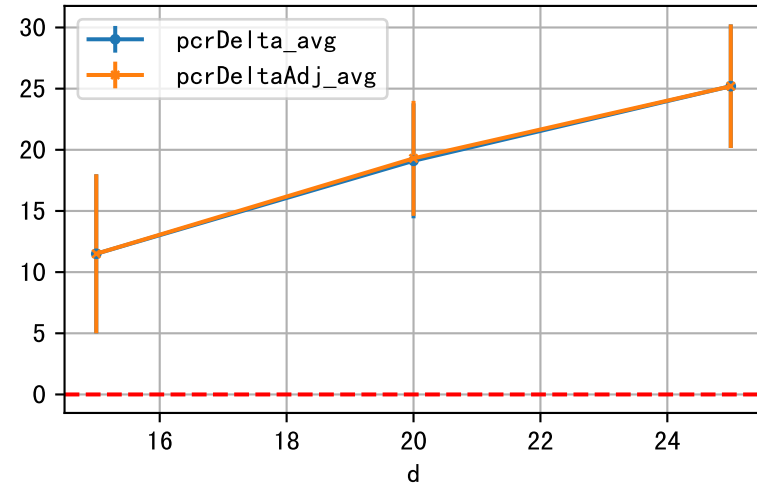


LfA: model est vs obs0v@Q50

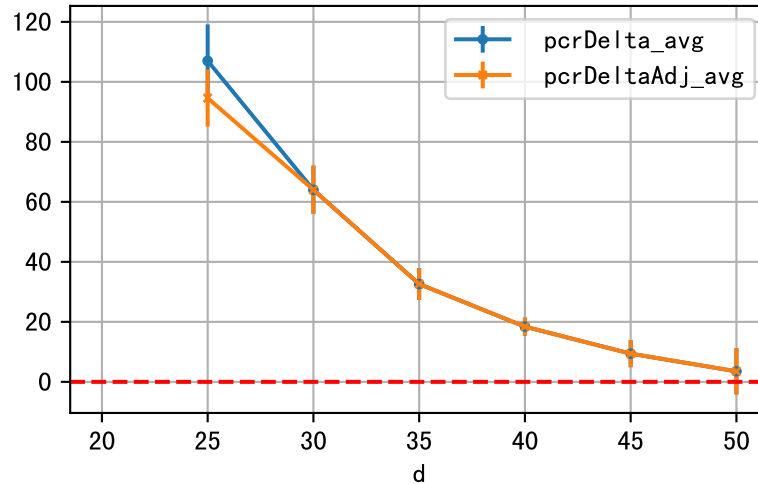


P3 LfA: D_5d_LfA

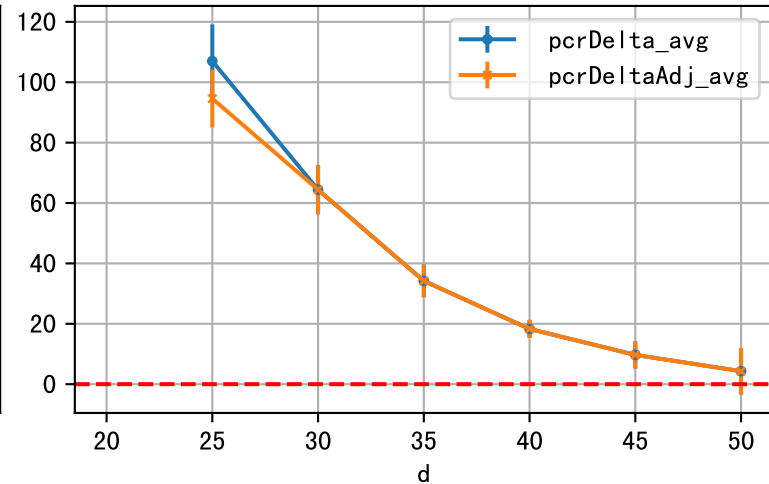
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

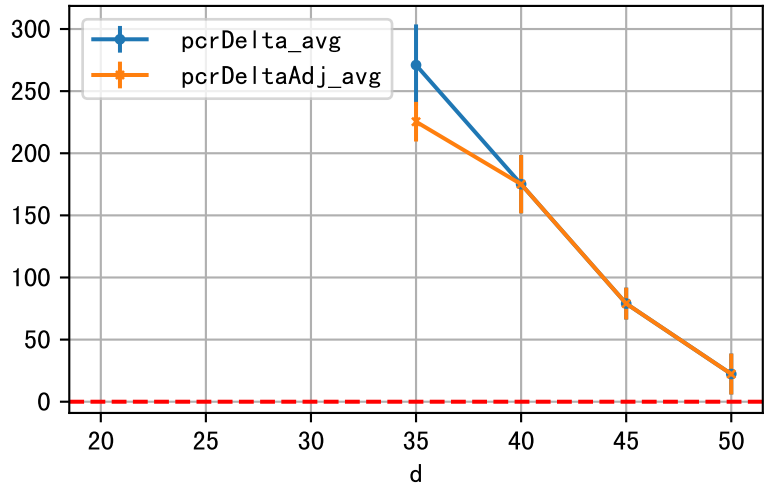
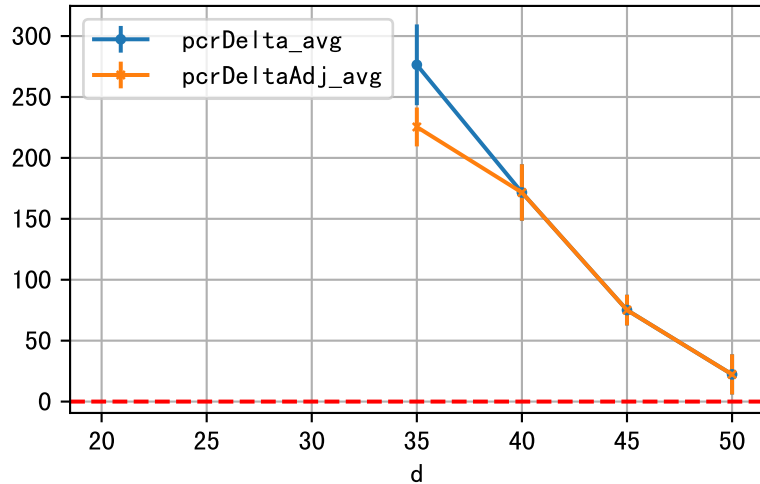
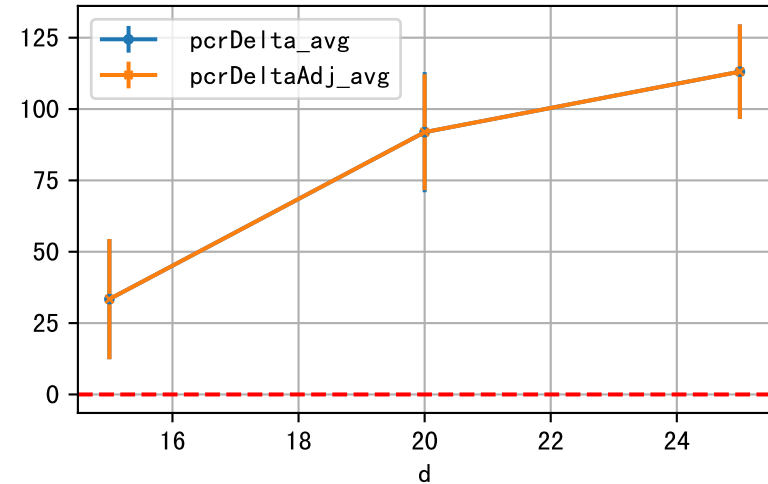


P3 LfA: D_15d_LfA

DeltaTypeAbbr=GrpByAge

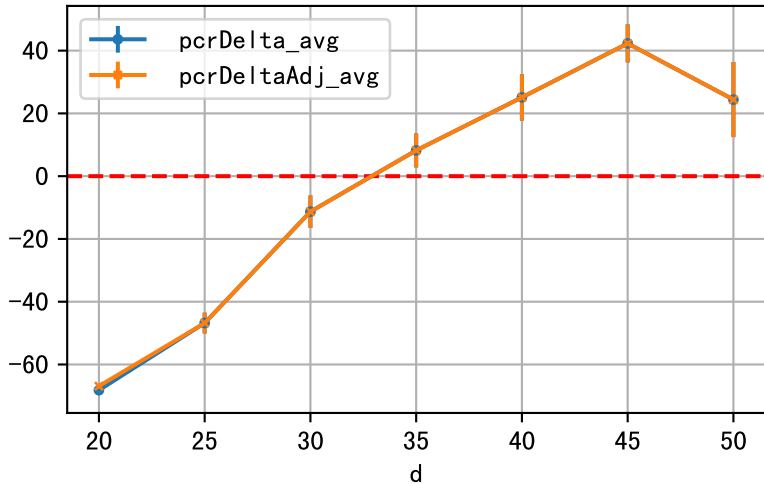
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

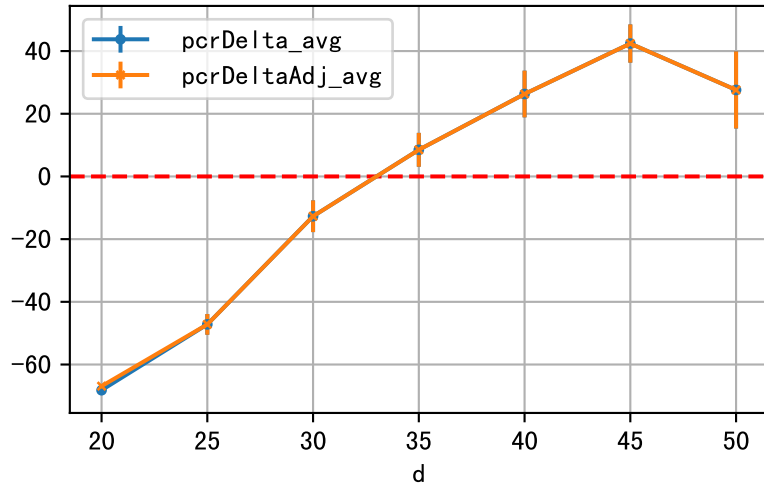


P3 LfA: D_Q50_LfA

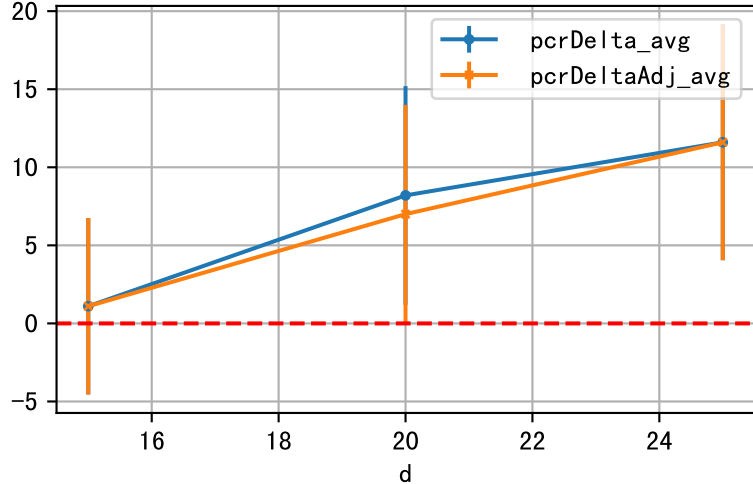
DeltaTypeAbbr=GrpByDay



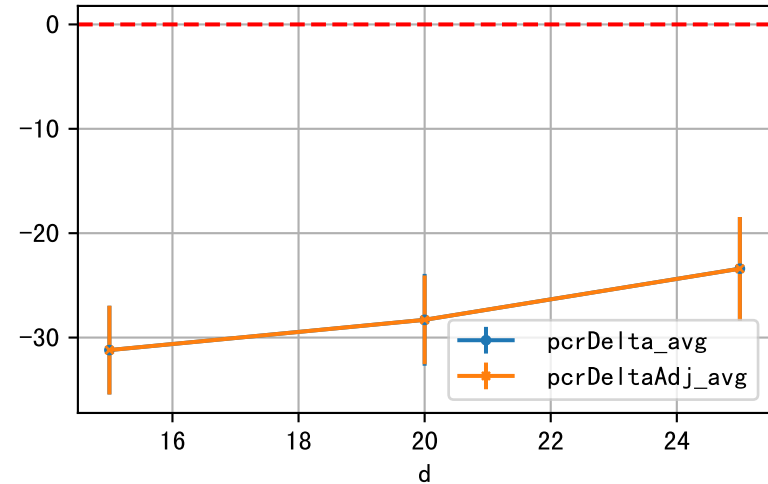
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

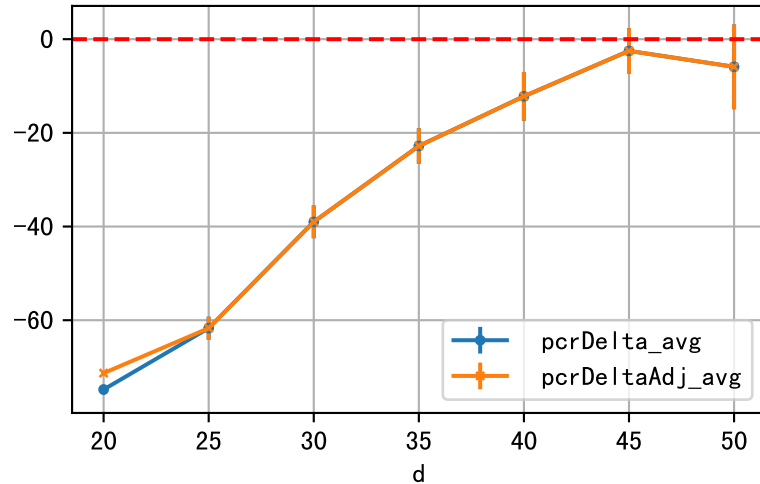


DeltaTypeAbbr=GrpByAge

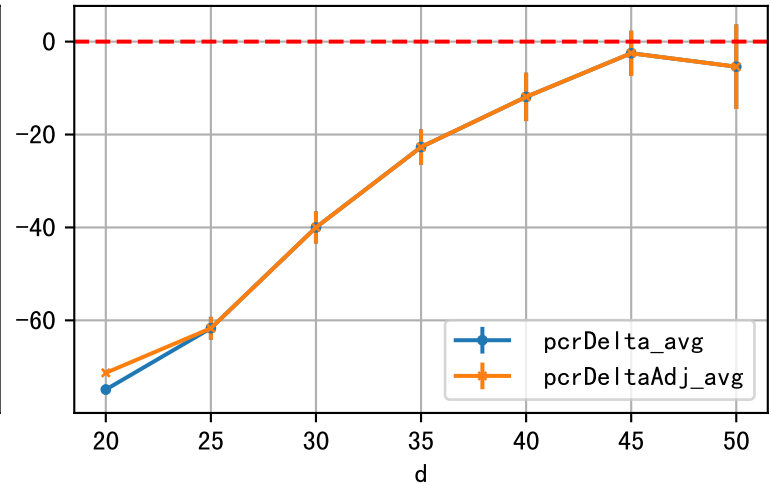


P3 LfA: D_Est_LfA

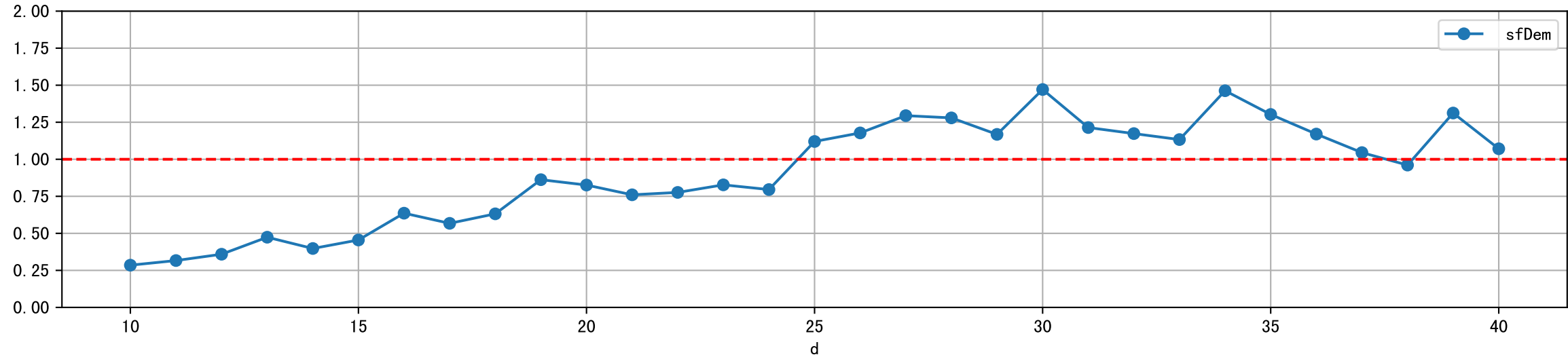
DeltaTypeAbbr=GrpByDay

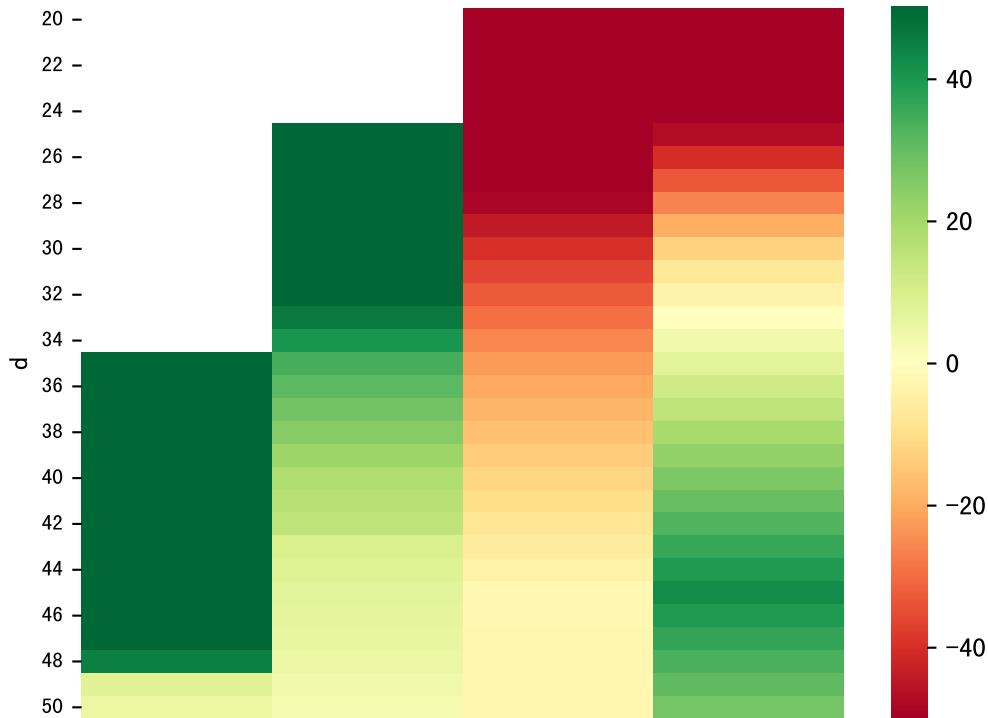


DeltaTypeAbbr=Wei AvgByD



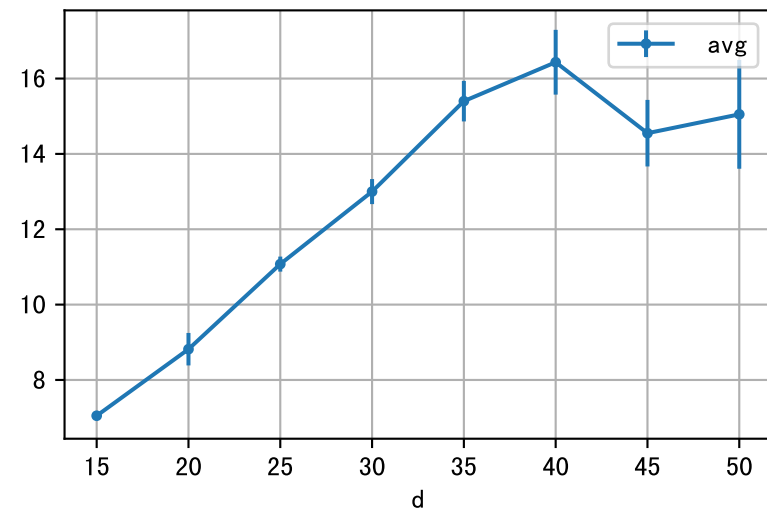
LfA: sfDem



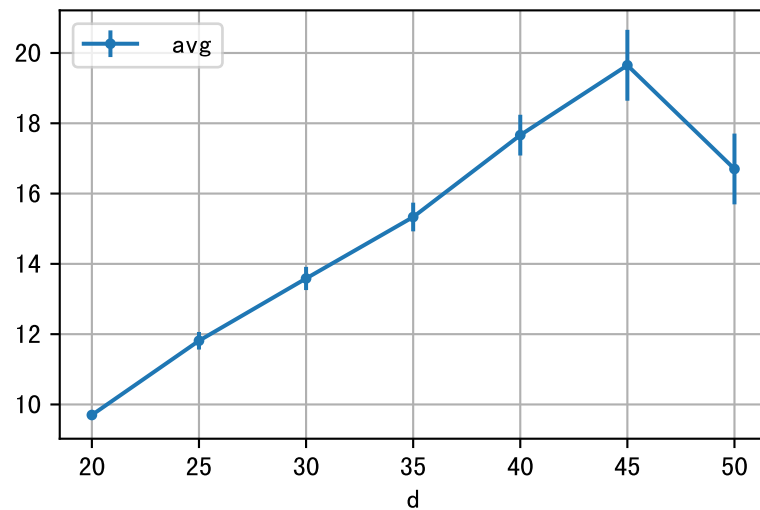


NdD: avg vs. d at each age group

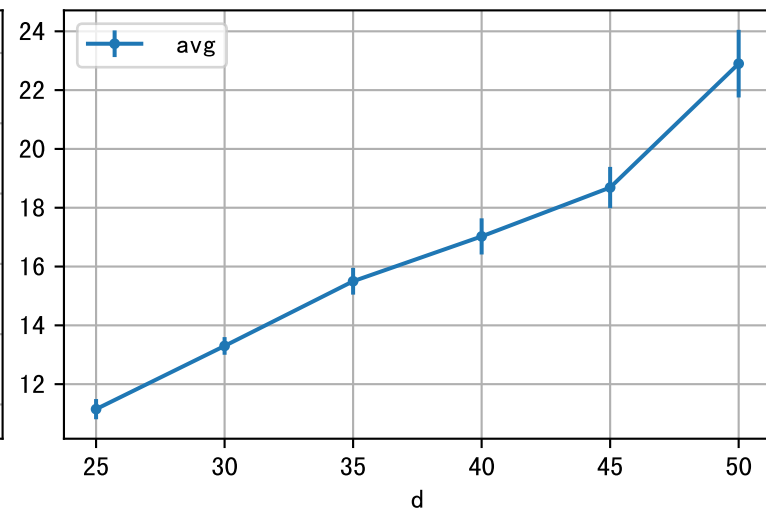
age=15



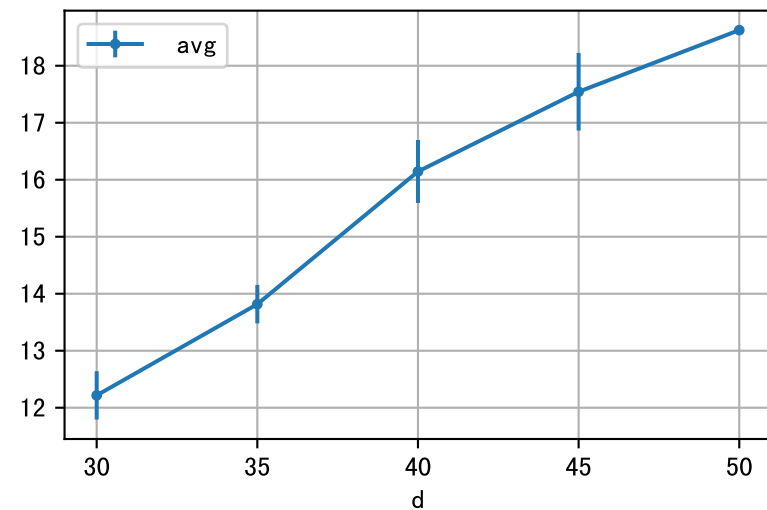
age=20



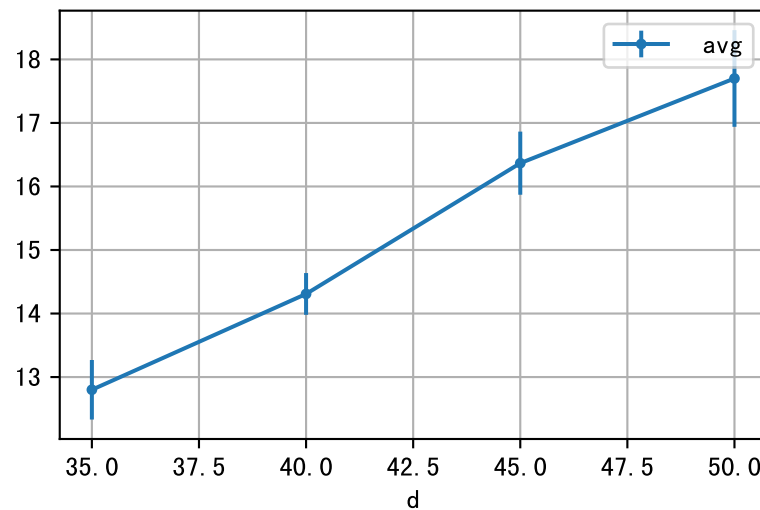
age=25



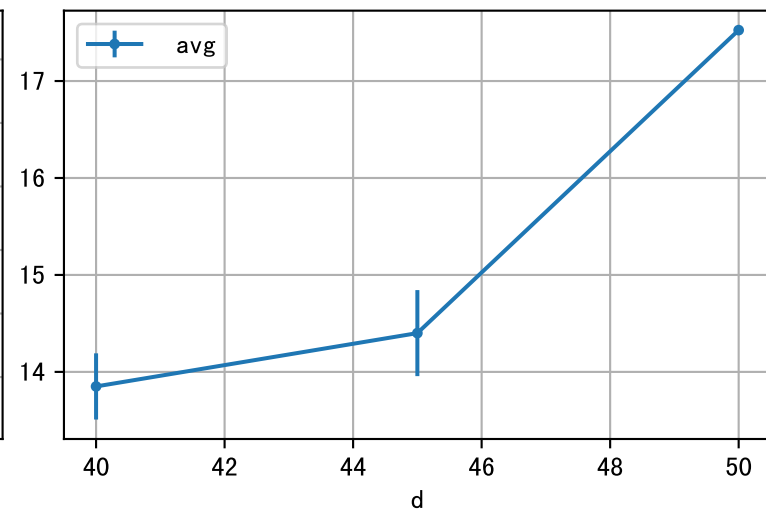
age=30



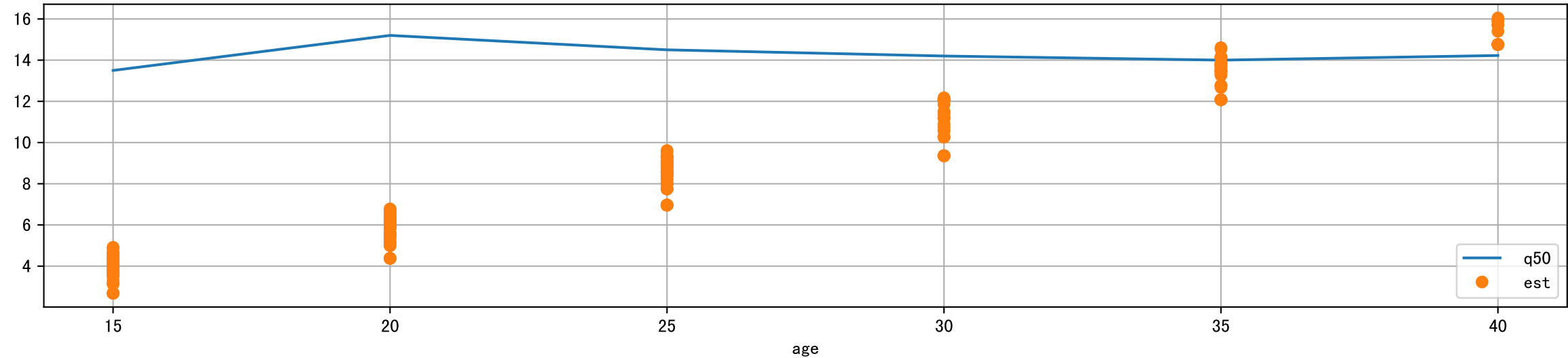
age=35



age=40

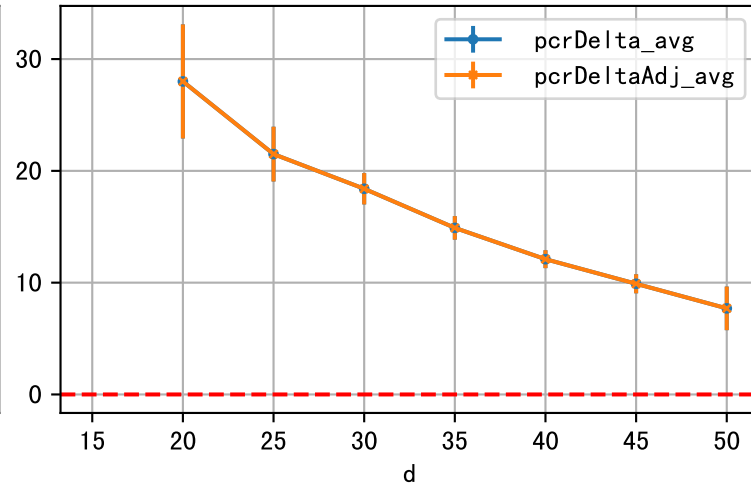


NdD: model est vs obs0v@Q50

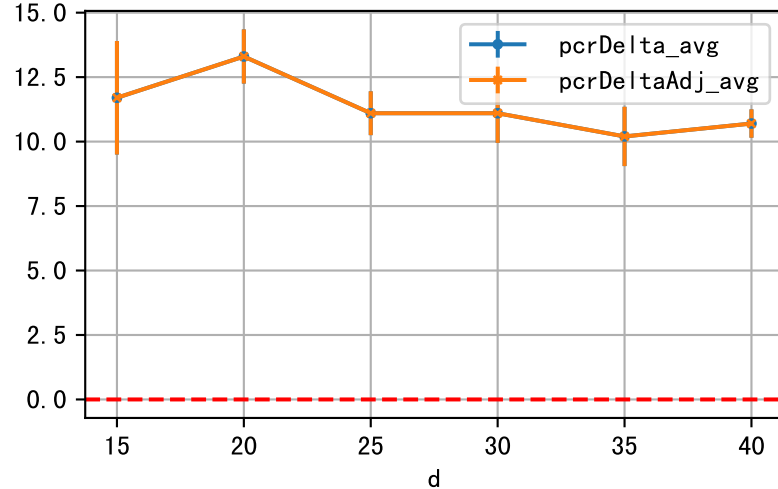


P3 NdD: D_5d_NdD

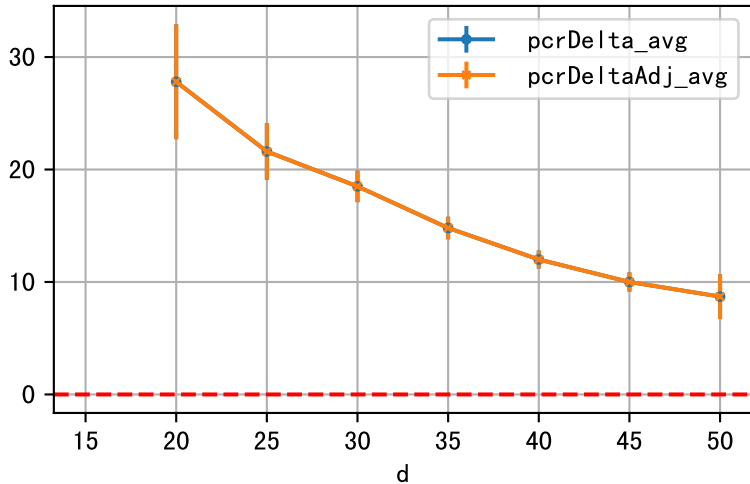
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

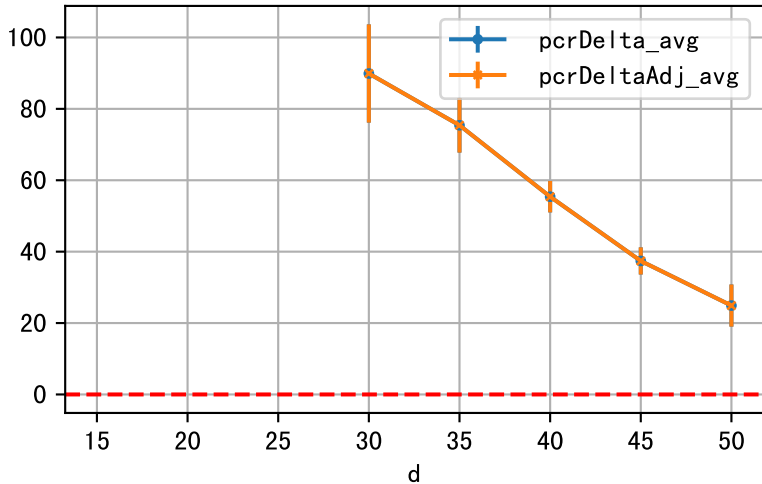
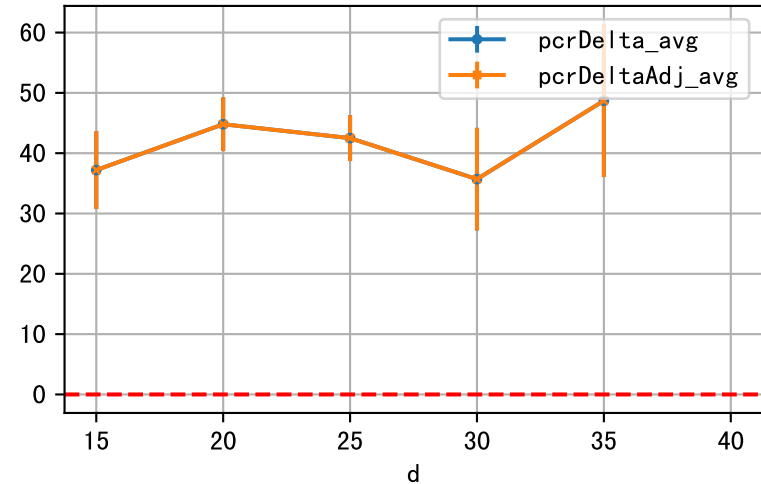


DeltaTypeAbbr=Wei AvgByD

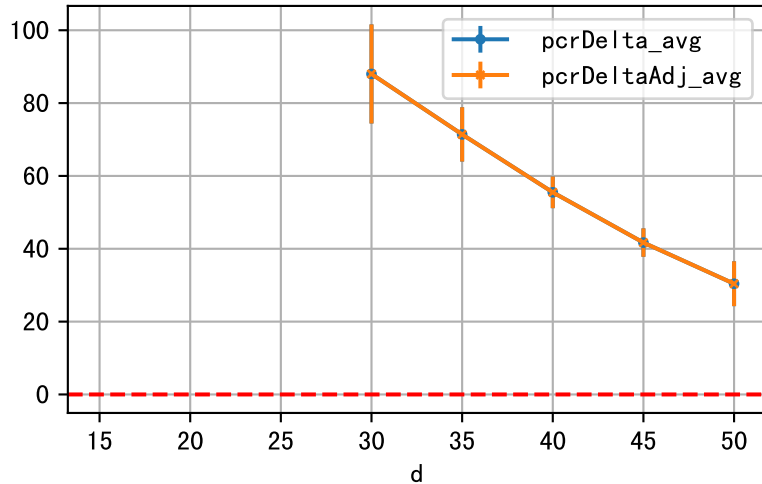


P3 NdD: D_15d_NdD

DeltaTypeAbbr=GrpByDay

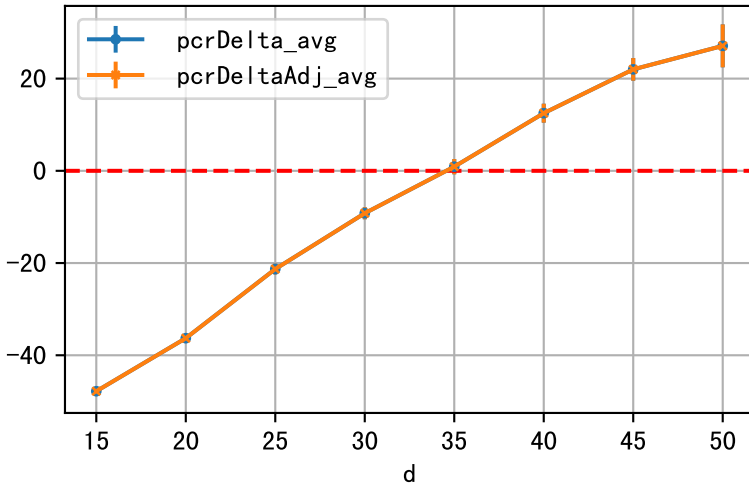


DeltaTypeAbbr=Wei AvgByD

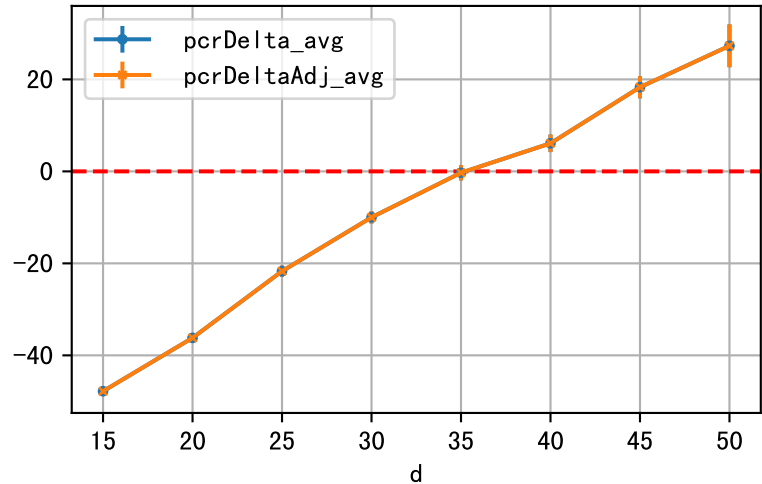


P3 NdD: D_Q50_NdD

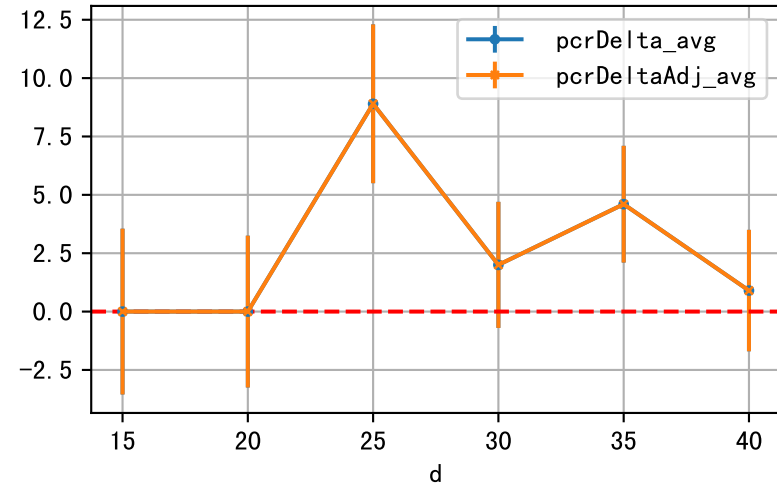
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

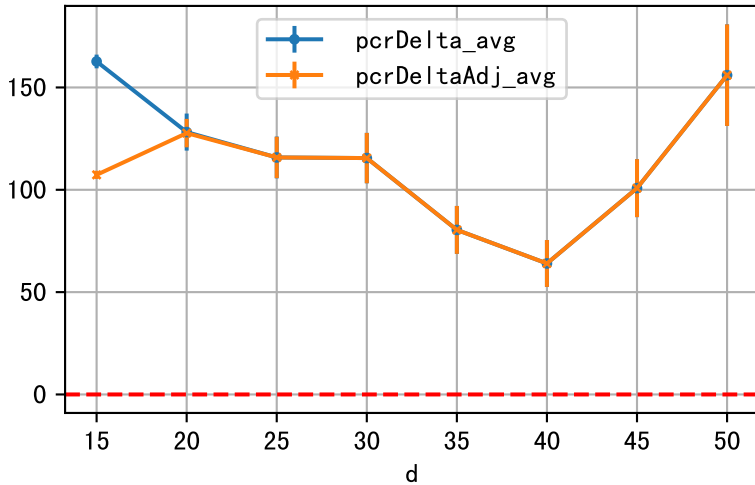


DeltaTypeAbbr=GrpByAge

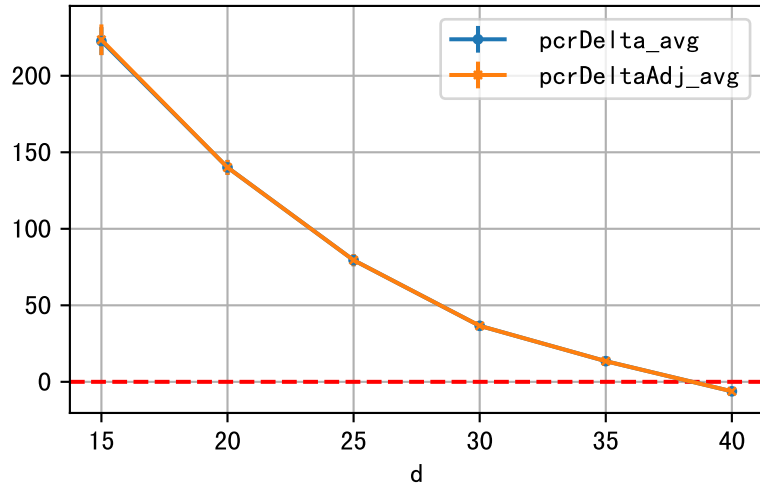


P3 NdD: D_Est_NdD

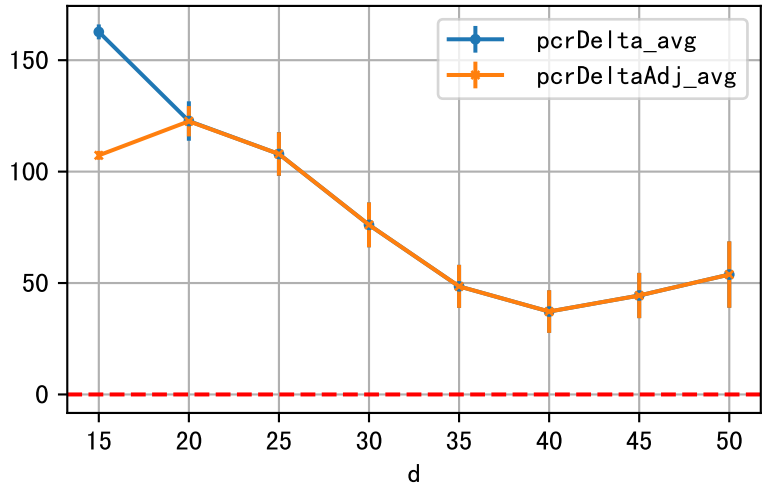
DeltaTypeAbbr=GrpByDay



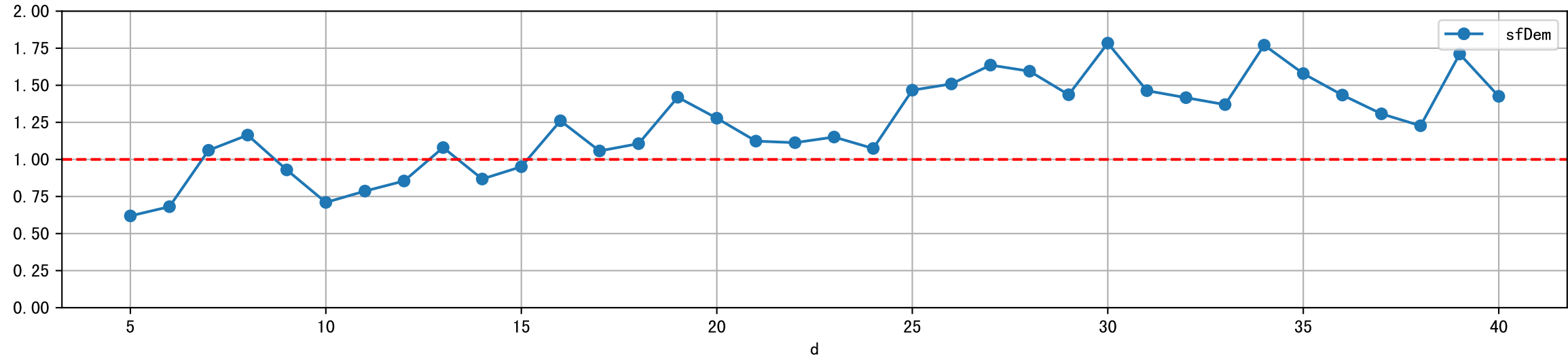
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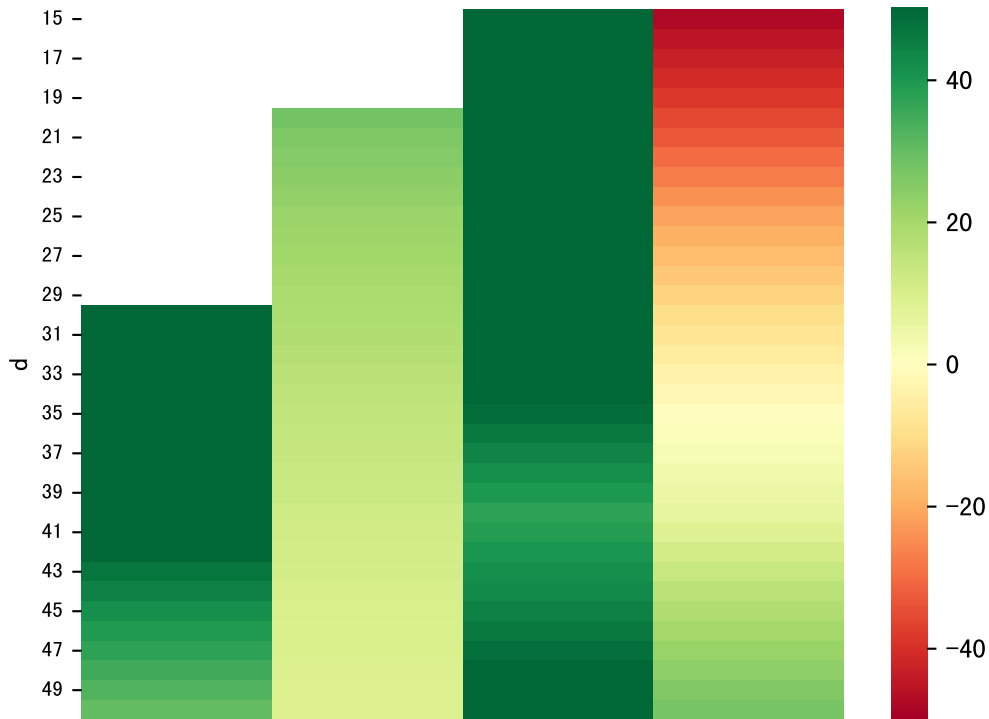


DeltaTypeAbbr=Wei AvgByD

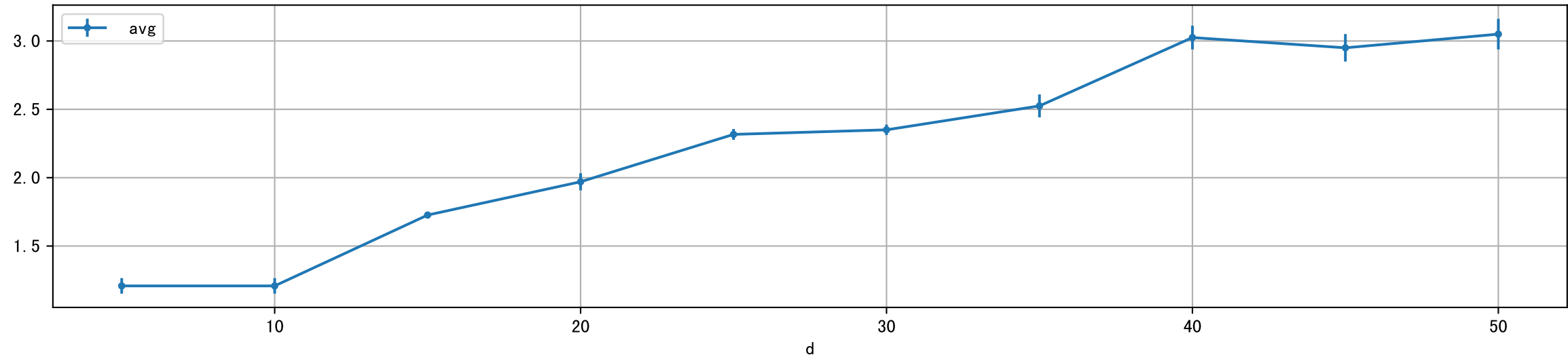


NdD: sfDem

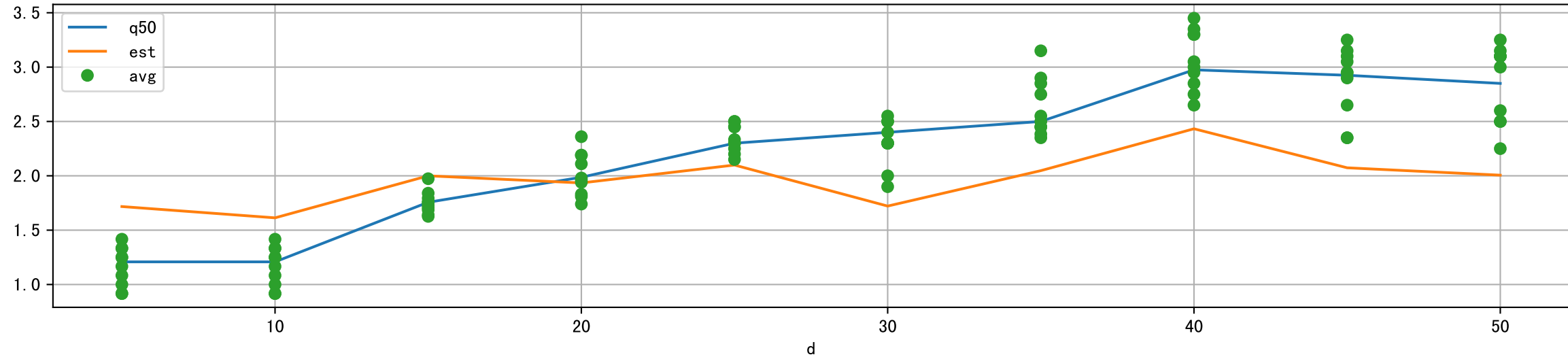




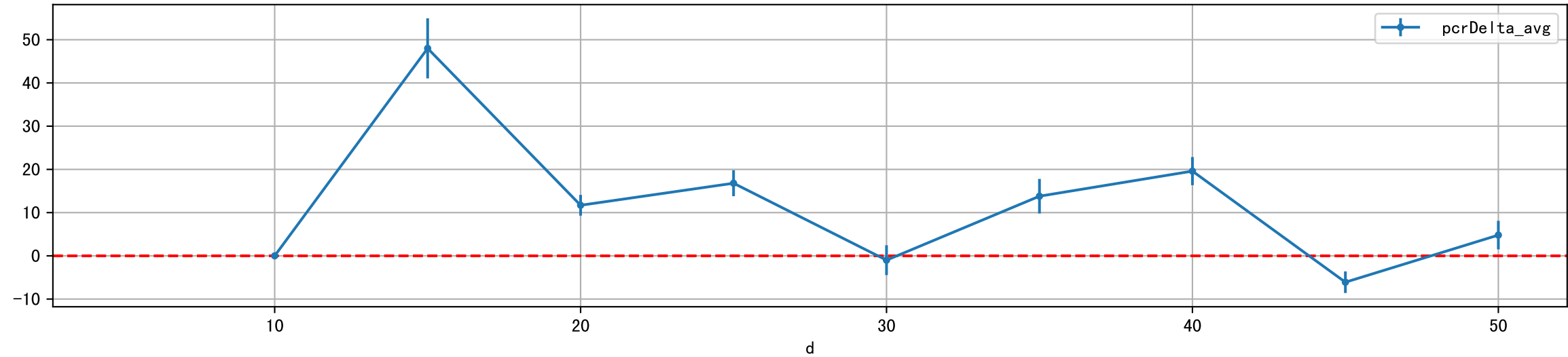
dStH: avg vs. d



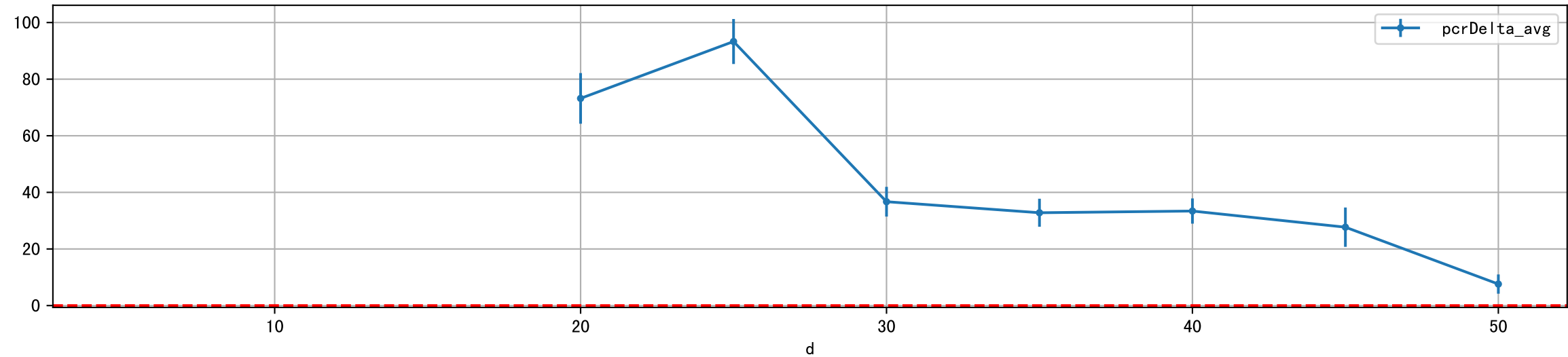
dStH: obsAvg vs obs0v@Q50



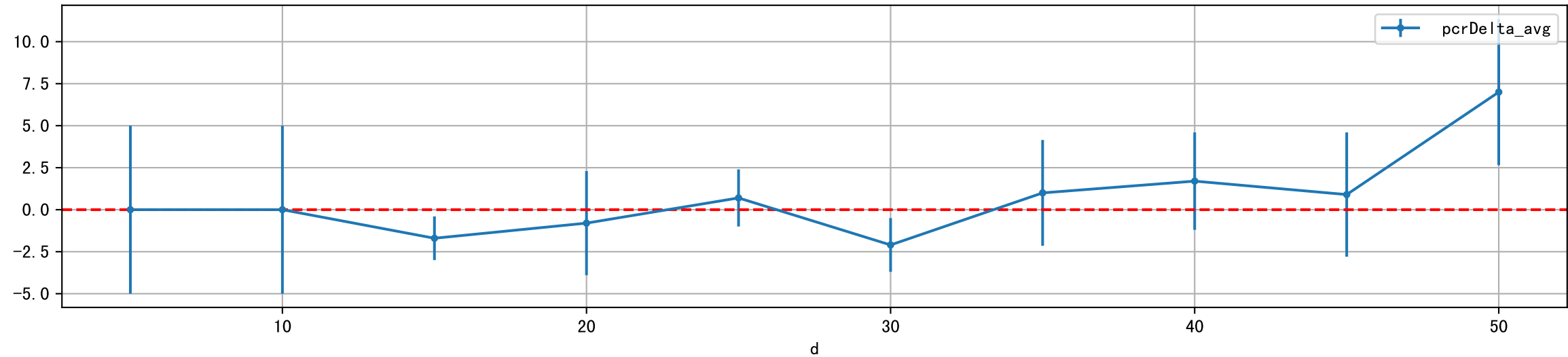
dStH: D_5d_StH



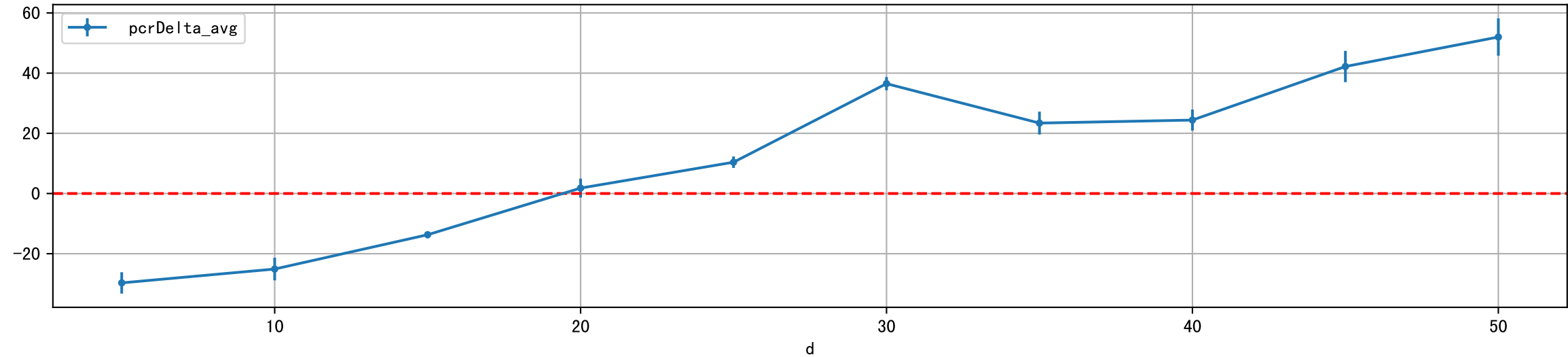
dStH: D_15d_StH



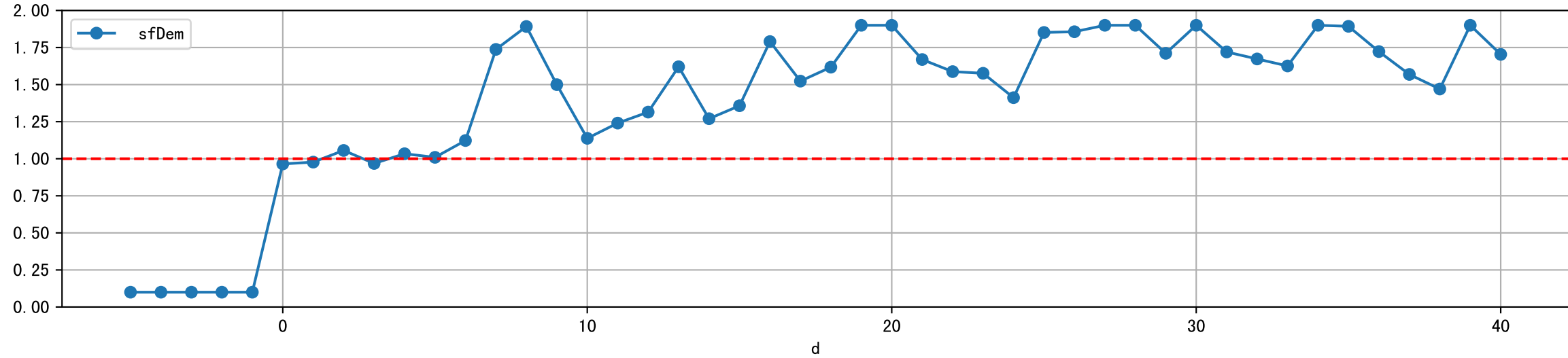
dStH: D_Q50_StH

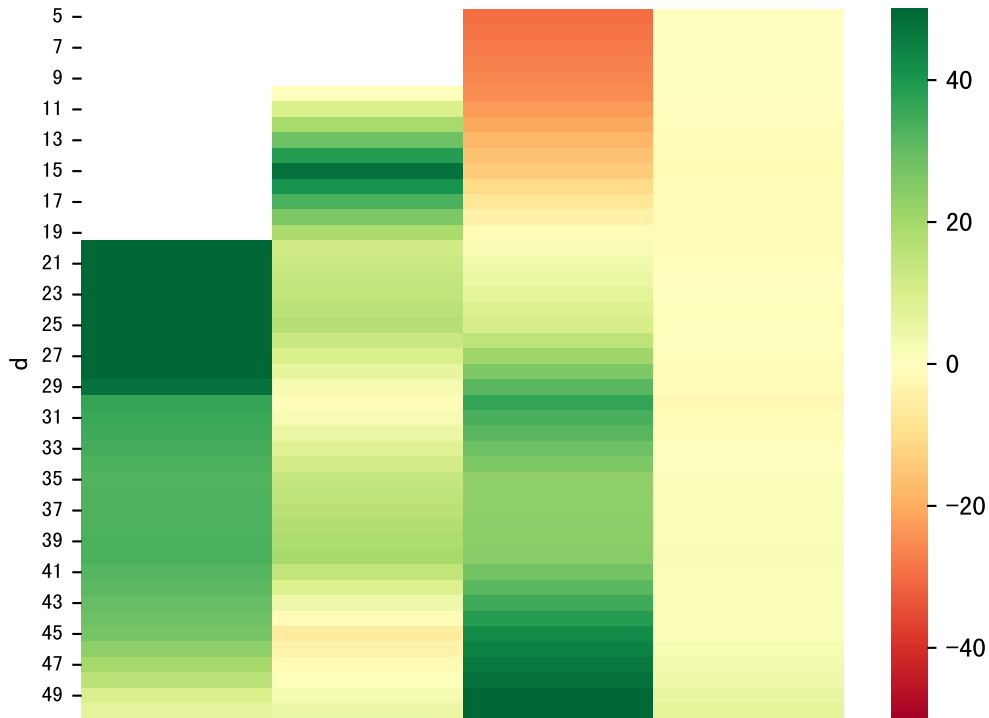


dStH: D_Est_StH



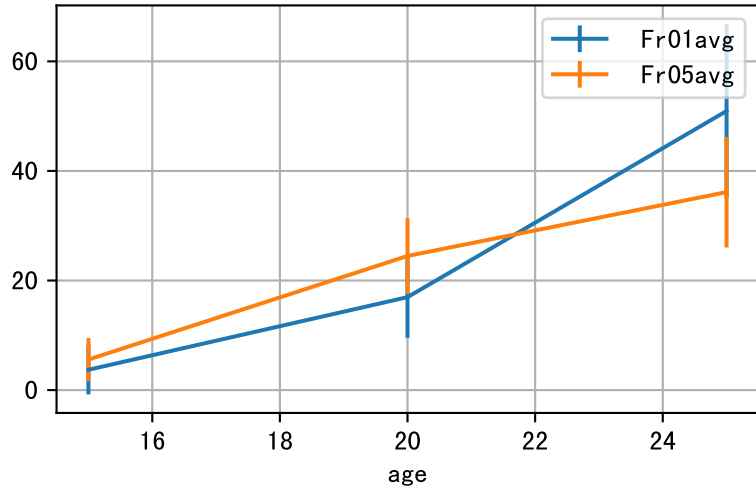
dStH: sfDem



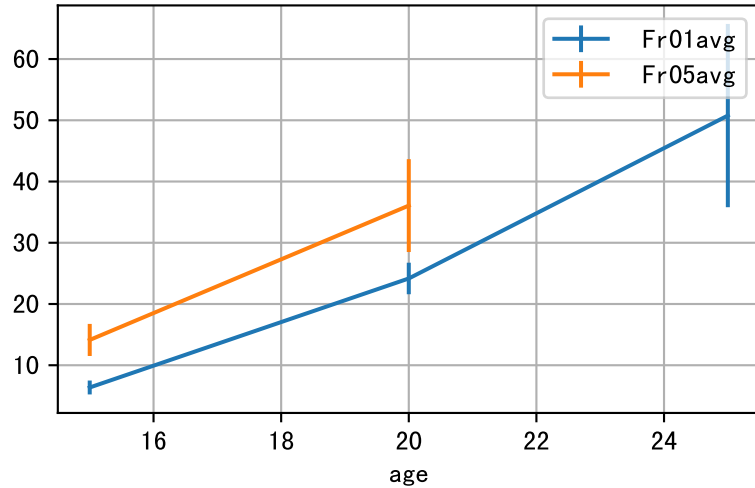


FrV: Fr01 vs Fr05 at each truss

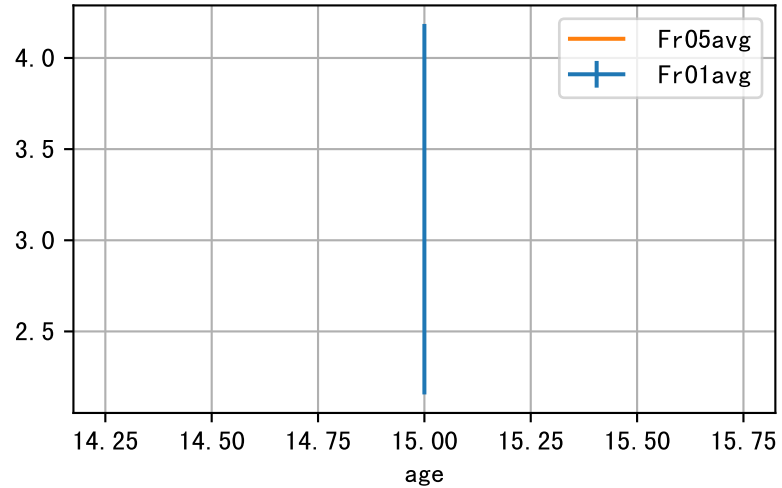
organID=T01



organID=T02

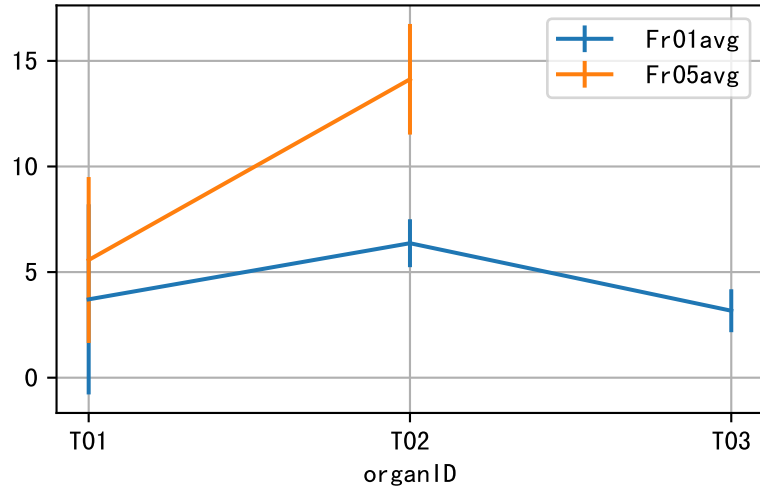


organID=T03

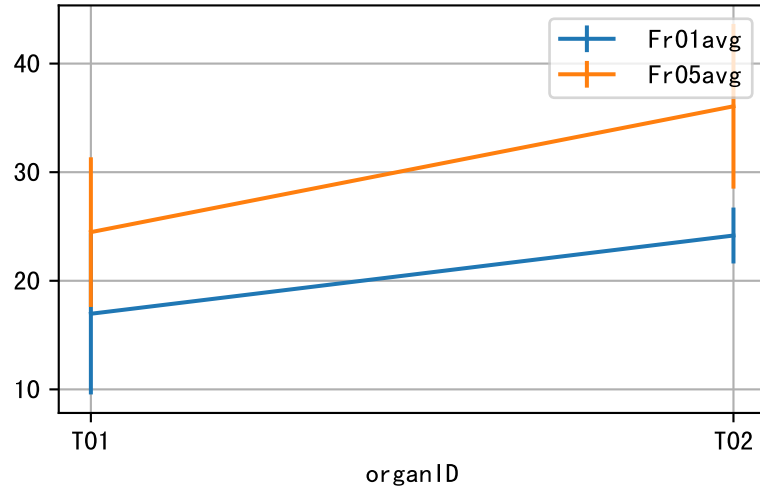


FrV trend at each age

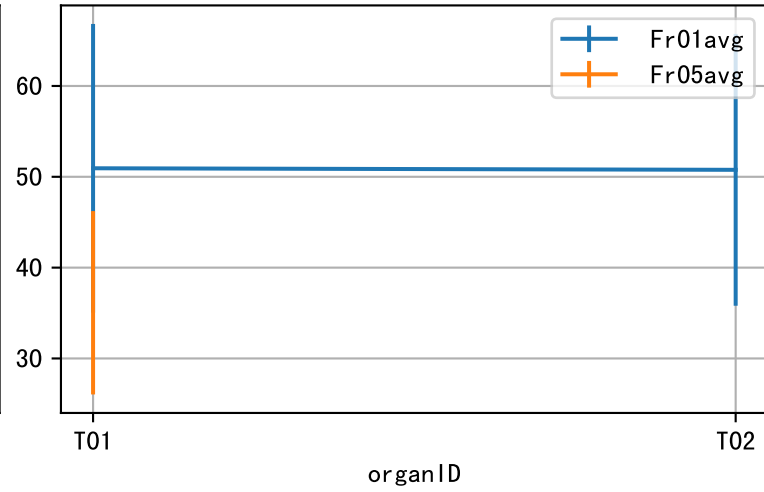
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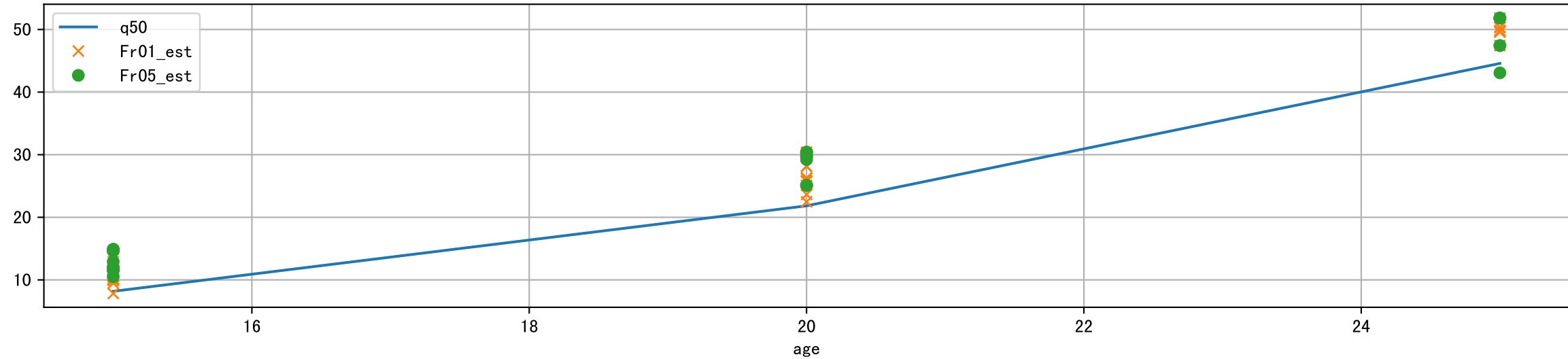
age=20



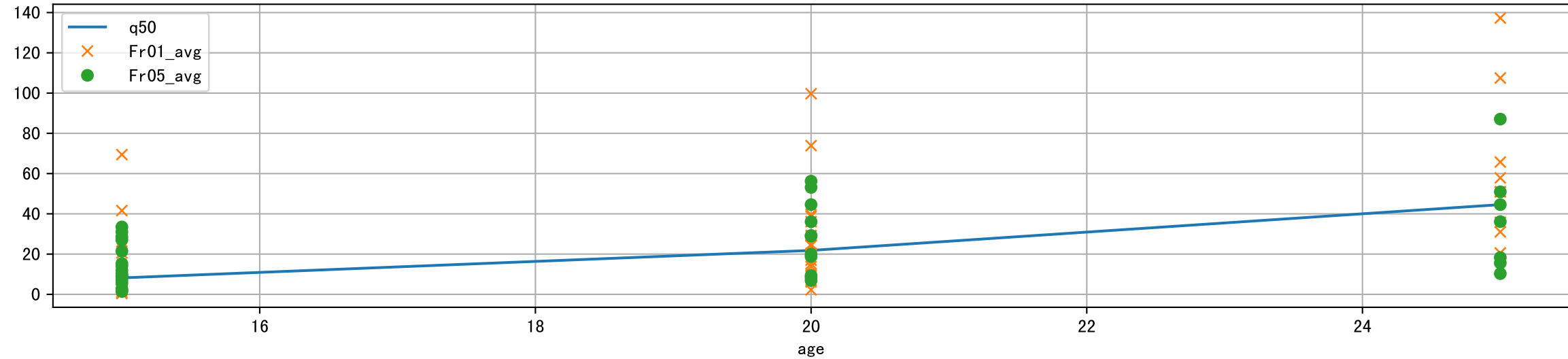
age=25



FrV: model Est vs obsFrV at Q90

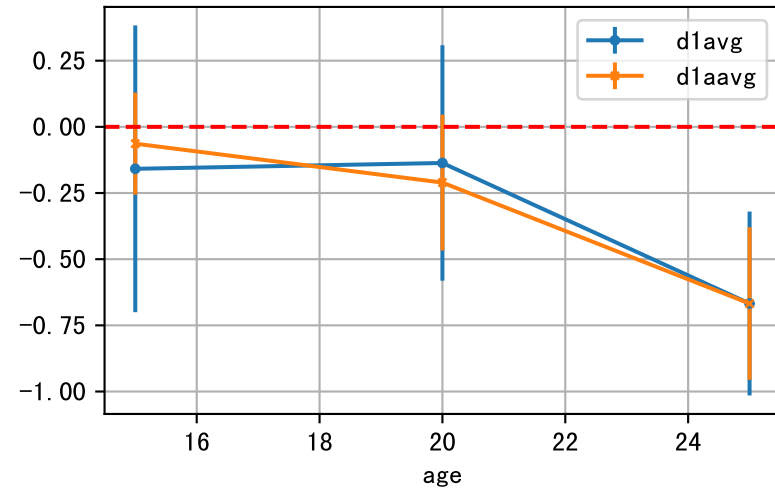


FrV: obsFrV vs obsFrV@Q90

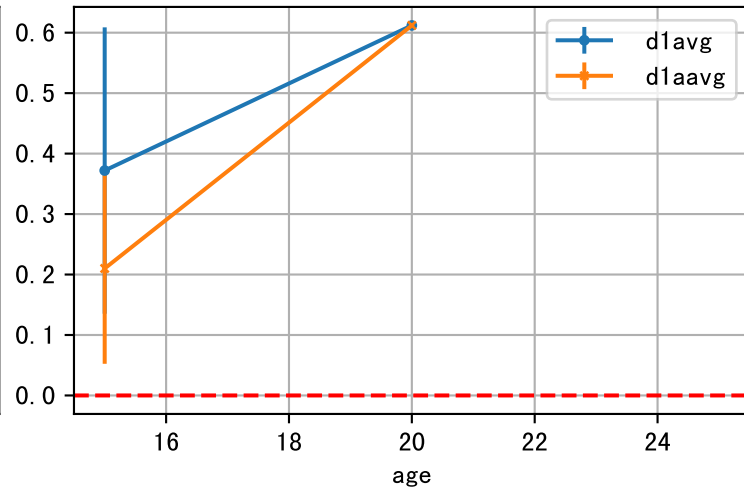


FrV: D_Fr1_FrV

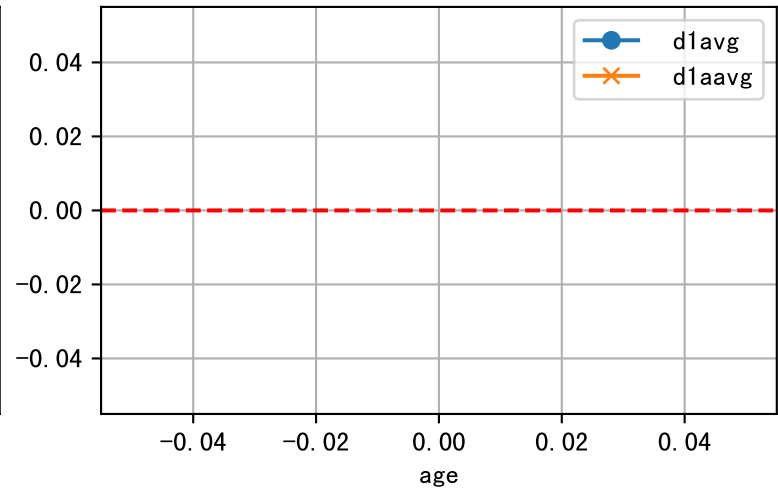
organID=1



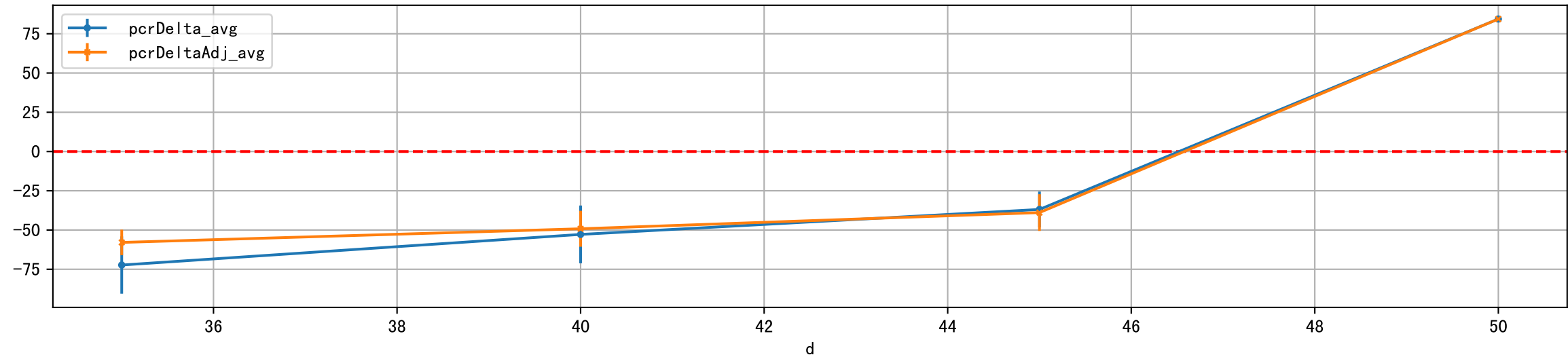
organID=2



organID=3

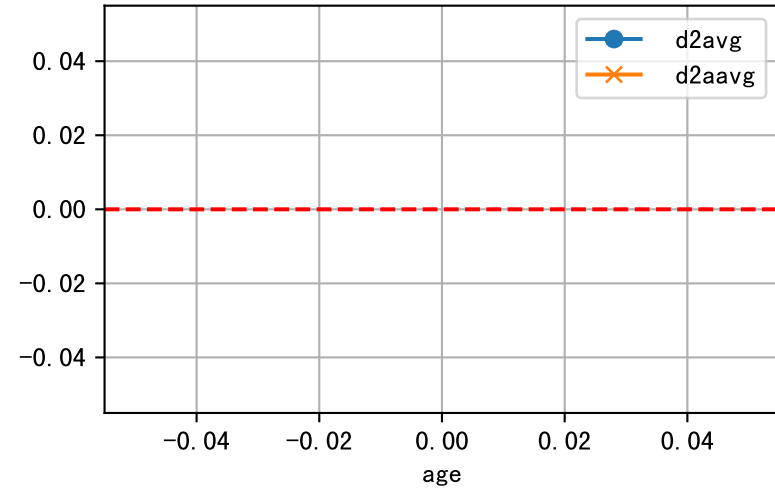


P3 FrV: D_Fr1_FrV

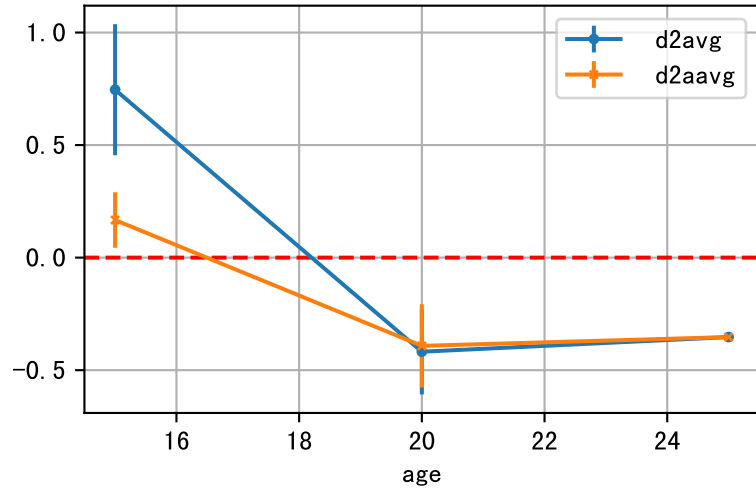


FrV: D_Ts_FrV

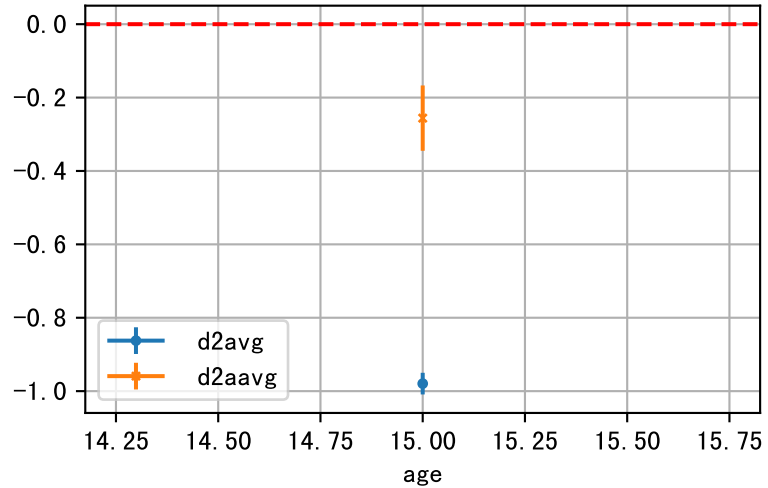
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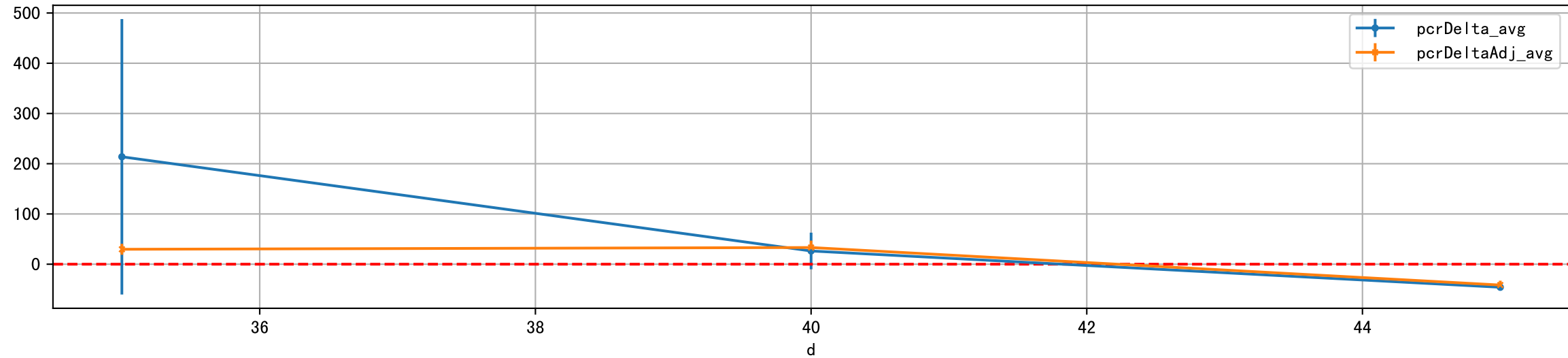
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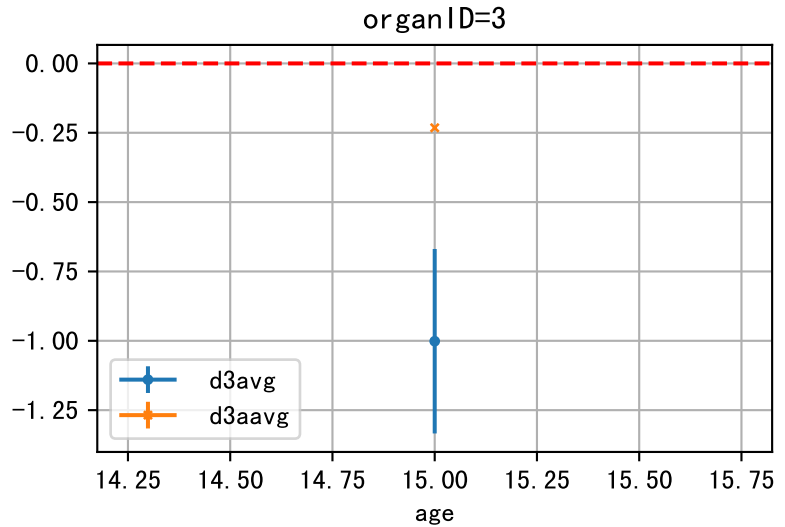
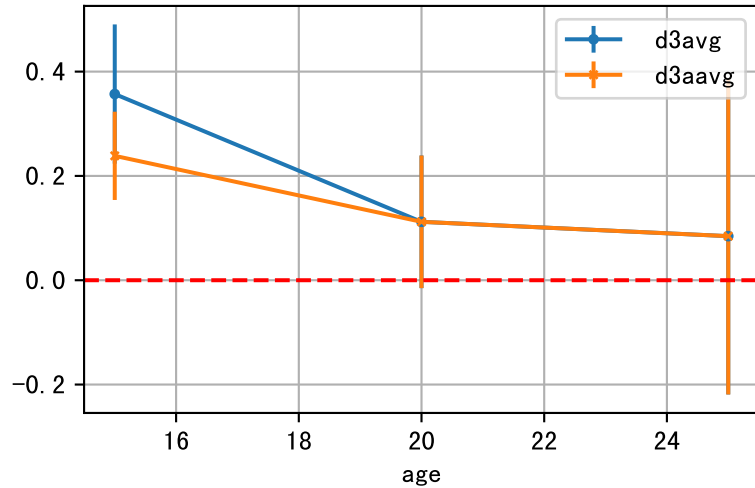
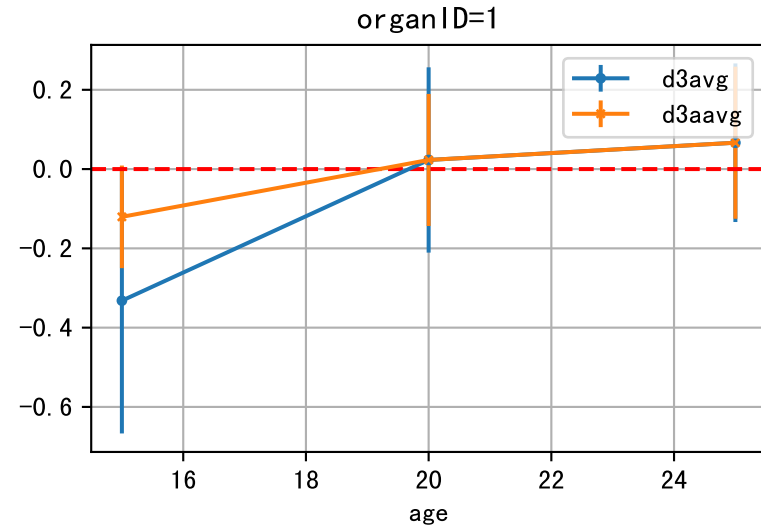
organID=3



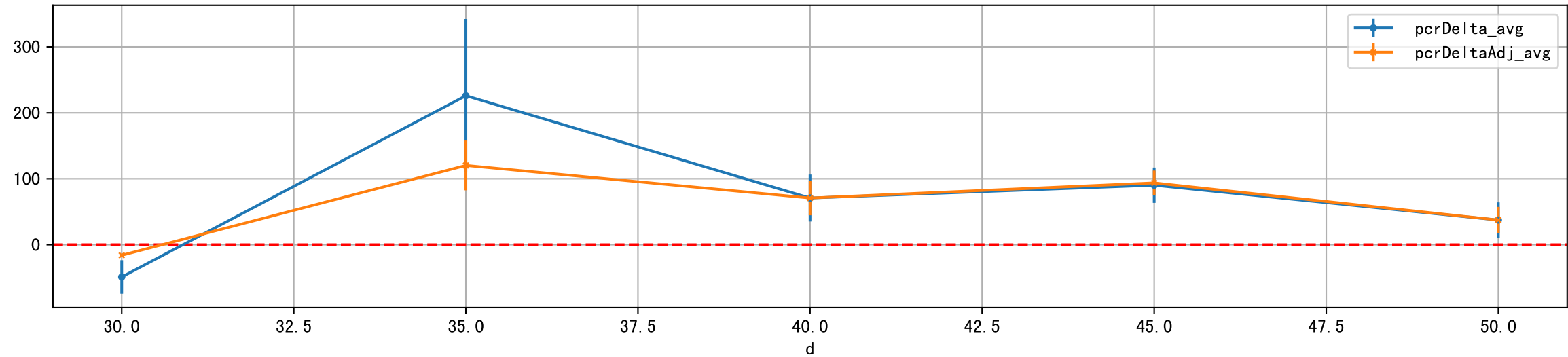
P3 FrV: D_Ts_FrV



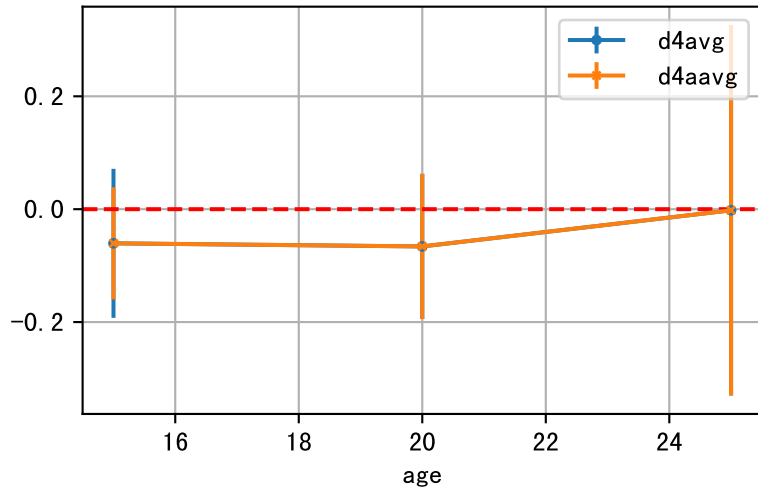
FrV: D_Q50_FrV
organID=2



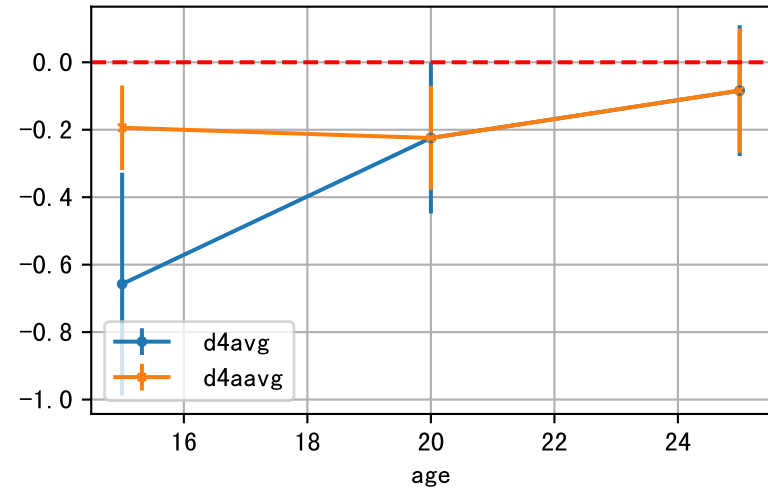
P3 FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=2



organID=1



organID=3

