

Phenotype Data Analysis Plots

PhenoData day range = 5 - 51

Analysis cutoff day = 51

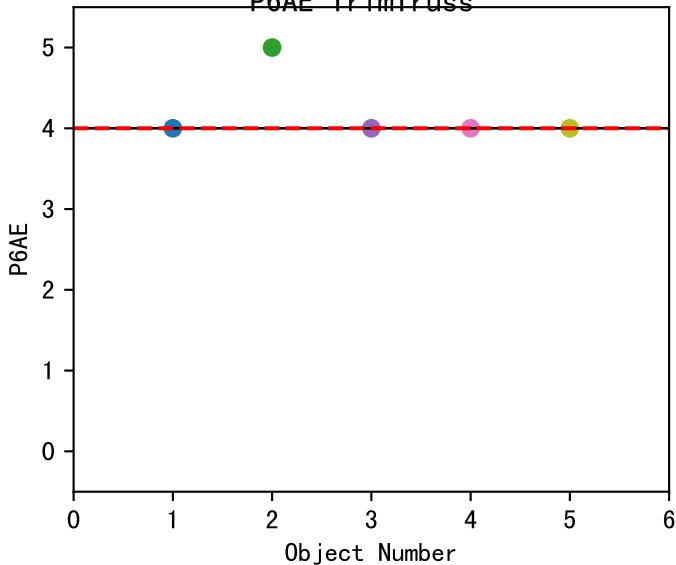
NC11 P6

2025-05-27 (Day 52)

TrussNodeMaxPerStem (Def=4.0 Set=4)

avg1=4.0~0% avg2=na

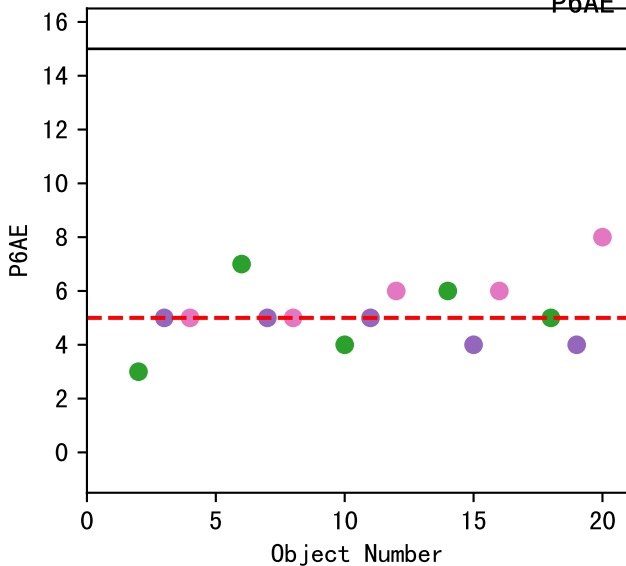
P6AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

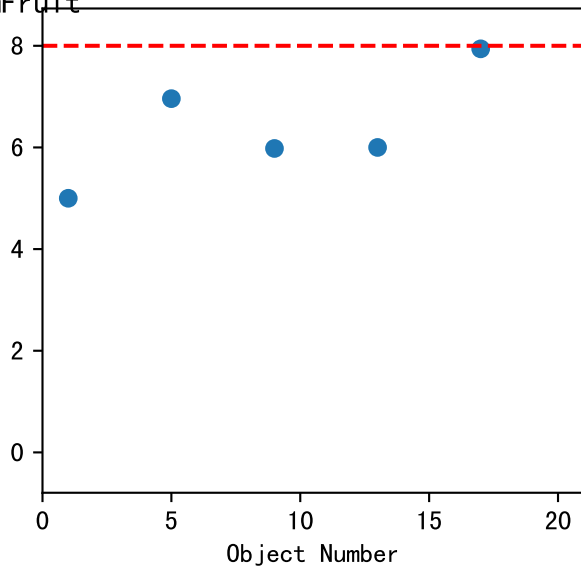
avg1=5.0~25% avg2=na

P6AE TrimFruit

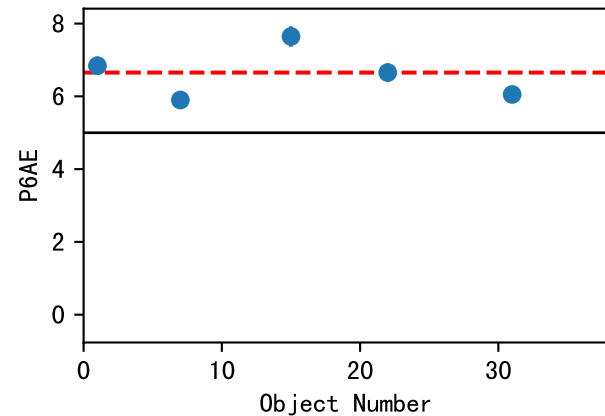


FruitNumMaxPerTruss (Def=na Set=8)

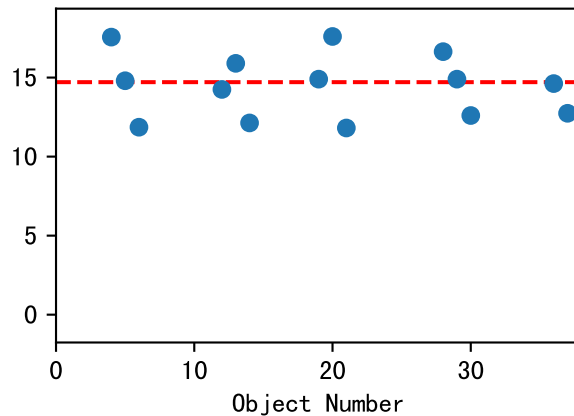
avg1=8.0~15% avg2=na



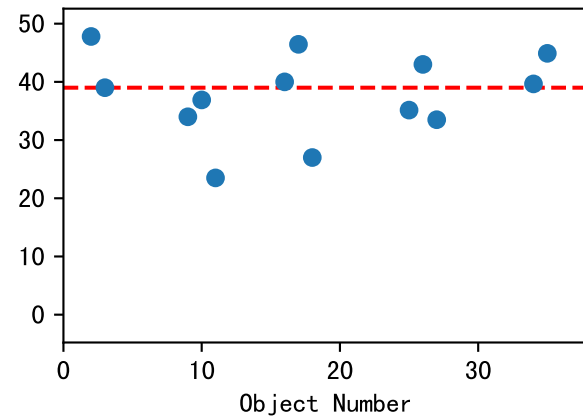
NdL_Q90AbsY (Def=5 Set=6.65)
avg1=6.65~10% avg2=na



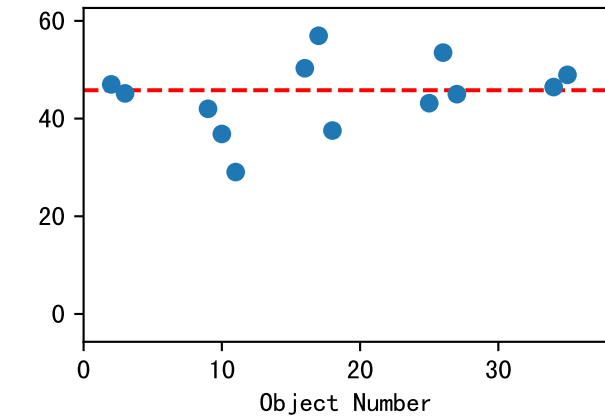
NdD_avgAbsY (Def=na Set=14.71)
avg1=14.71~18% avg2=na



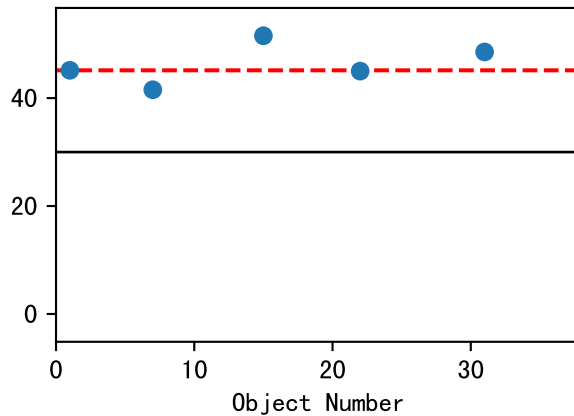
LfL_avgAbsY (Def=na Set=39.0)
avg1=39.0~18% avg2=na



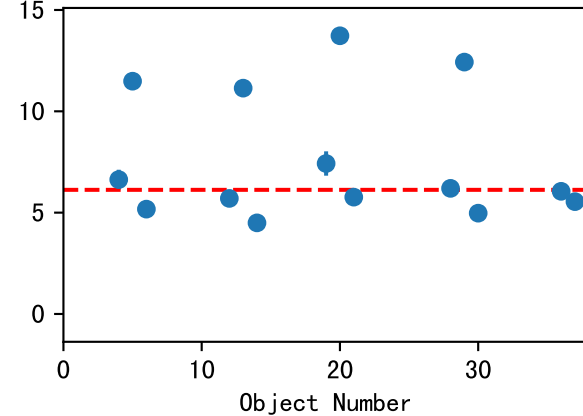
LfW_avgAbsY (Def=na Set=45.8)
avg1=45.8~13% avg2=na



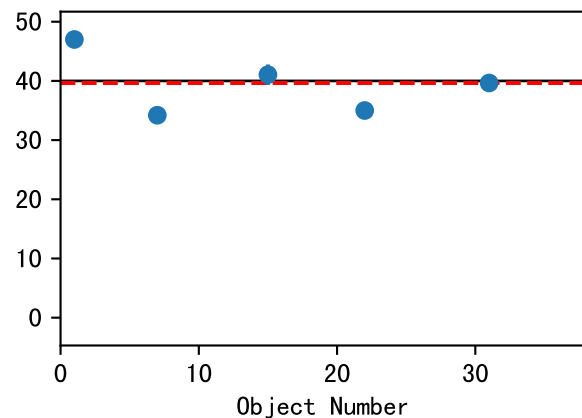
LfW_Q90AbsY (Def=30 Set=45.15)
avg1=45.15~8% avg2=na



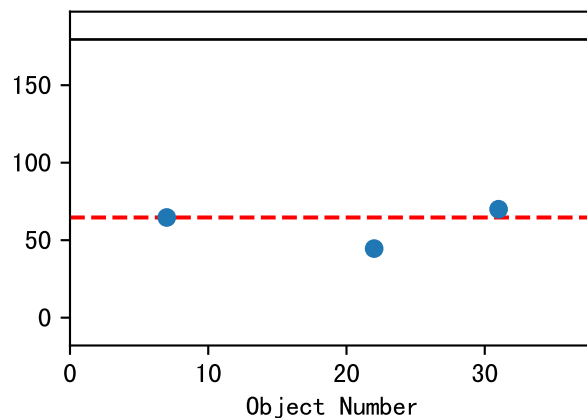
NdL_avgAbsY (Def=na Set=6.13)
avg1=6.13~51% avg2=na



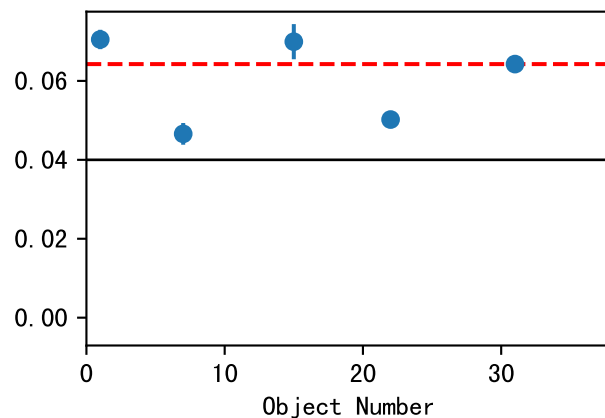
LfL_Q90AbsY (Def=40 Set=39.65)
avg1=39.65~13% avg2=na



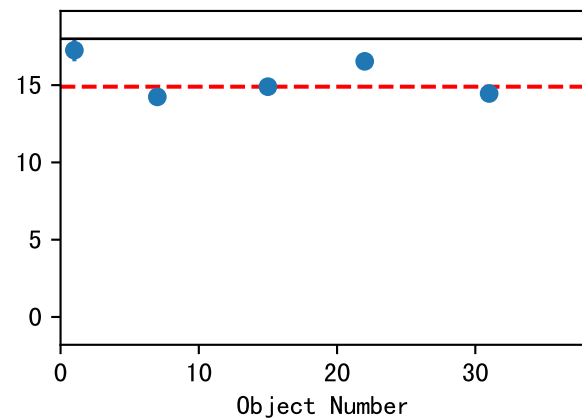
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=179.5~18% avg2=na



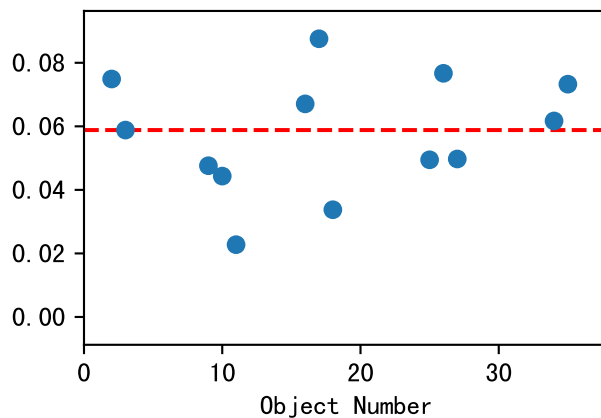
LfA_Q90AbsY (Def=0.04 Set=0.06)
avg1=0.06~17% avg2=na



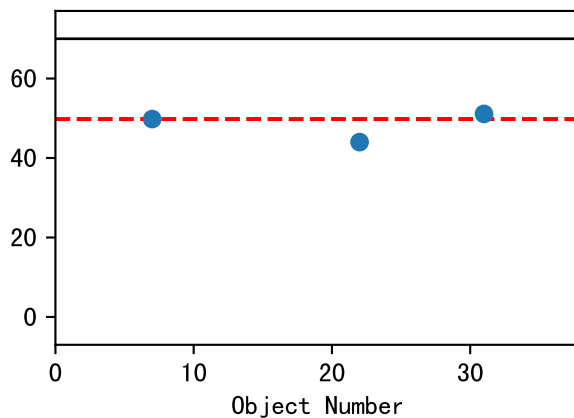
NdD_Q90AbsY (Def=18 Set=14.9)
avg1=14.9~9% avg2=na



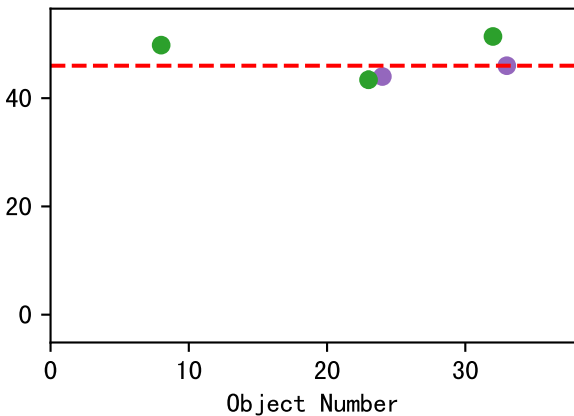
LfA_avgAbsY (Def=na Set=0.06)
avg1=0.06~31% avg2=na



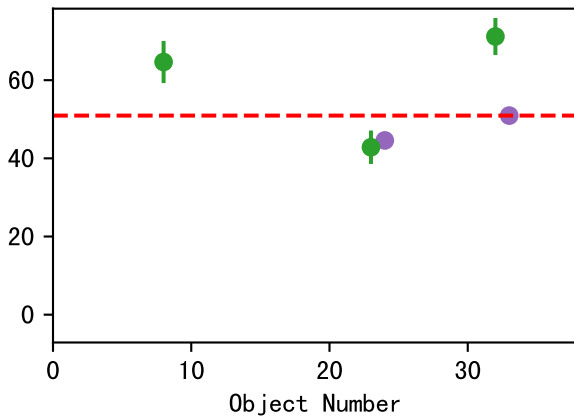
FrD_Q90AbsY (Def=70 Set=49.8)
avg1=49.8~8% avg2=na



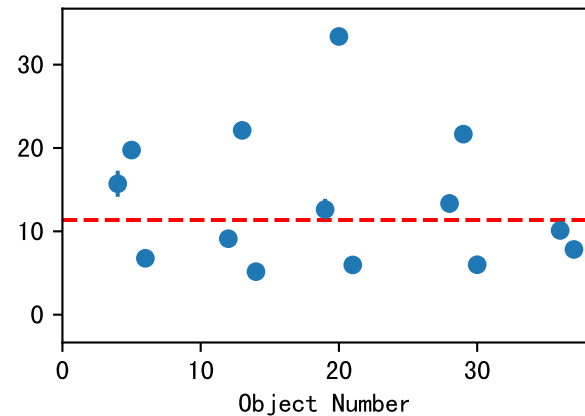
FrD_avgAbsY (Def=na Set=46.0)
avg1=46.0~8% avg2=na



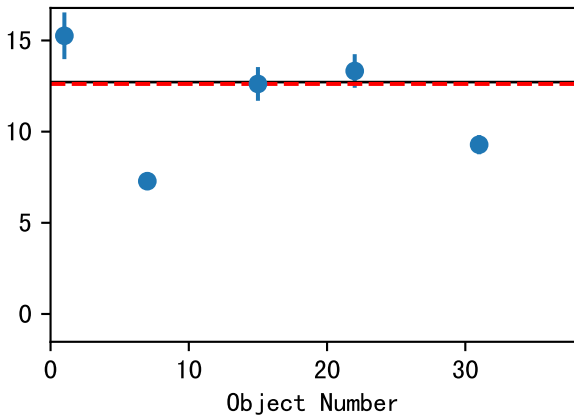
FrV_avgAbsY (Def=na Set=50.94)
avg1=50.94~25% avg2=na



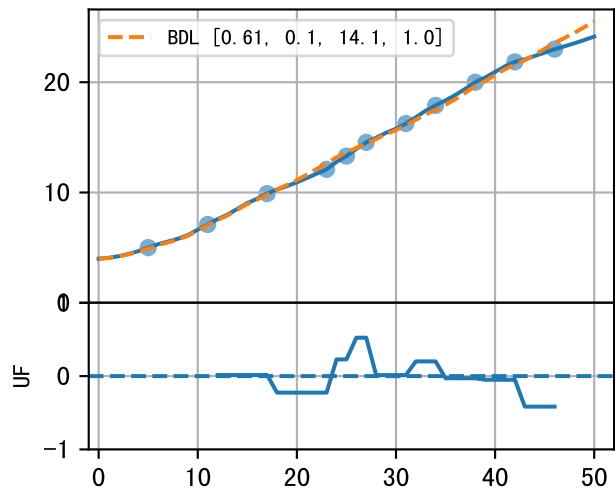
NdV_avgAbsY (Def=na Set=11.36)
avg1=11.36~72% avg2=na



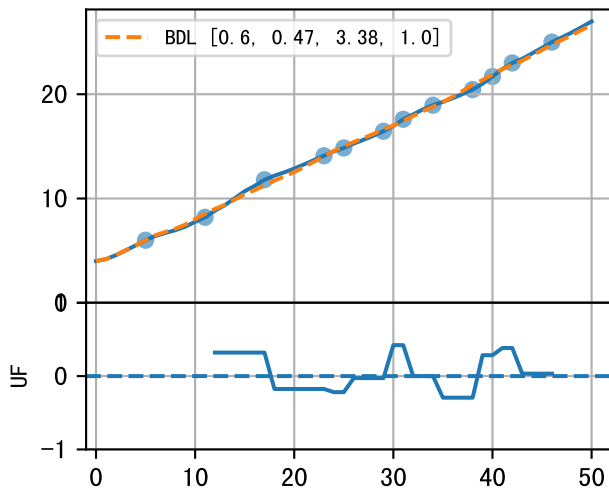
NdV_Q90AbsY (Def=12.72 Set=12.62)
avg1=12.62~25% avg2=na



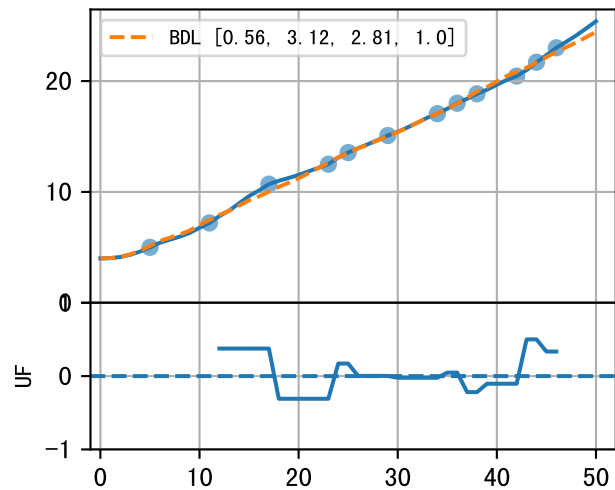
P6AE-007-10 (fit failed)



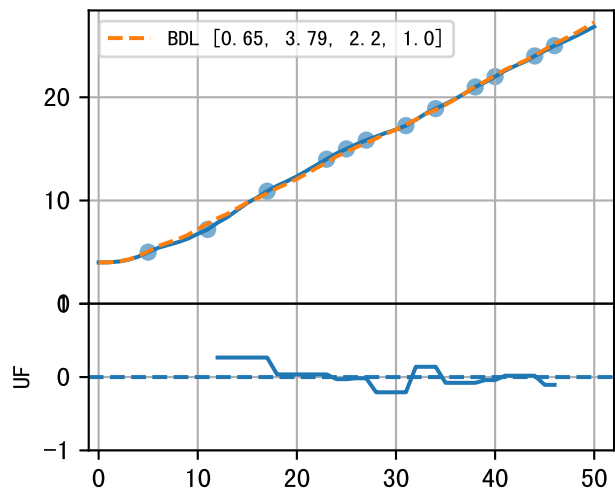
P6AE-014-10 (fit failed)



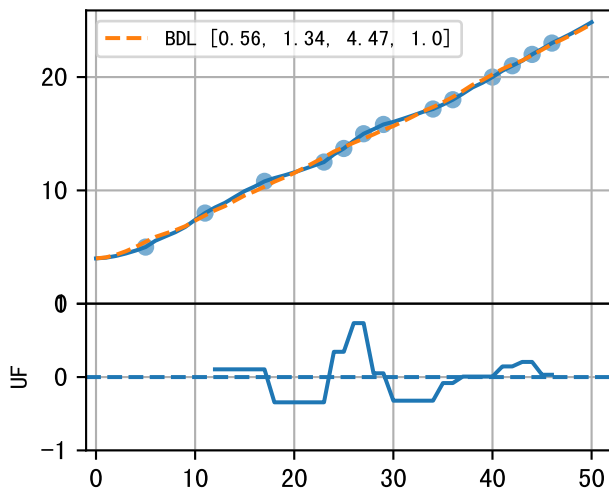
P6AE-026-25 (fit failed)



P6AE-033-4 (fit failed)



P6AE-045-12 (fit failed)

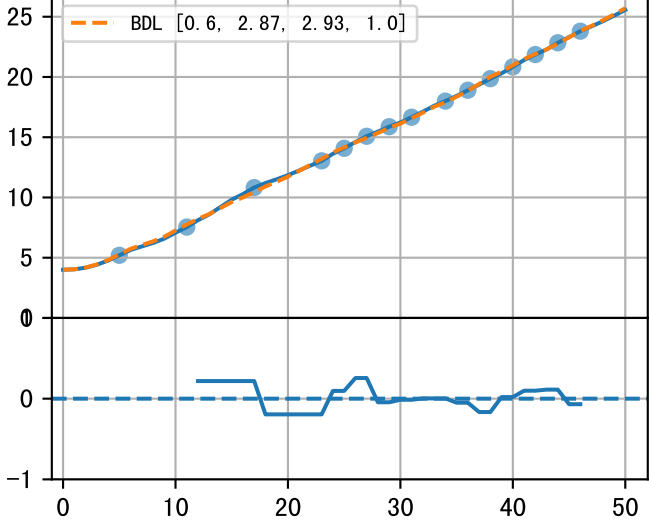


P6AEavg (fit failed)

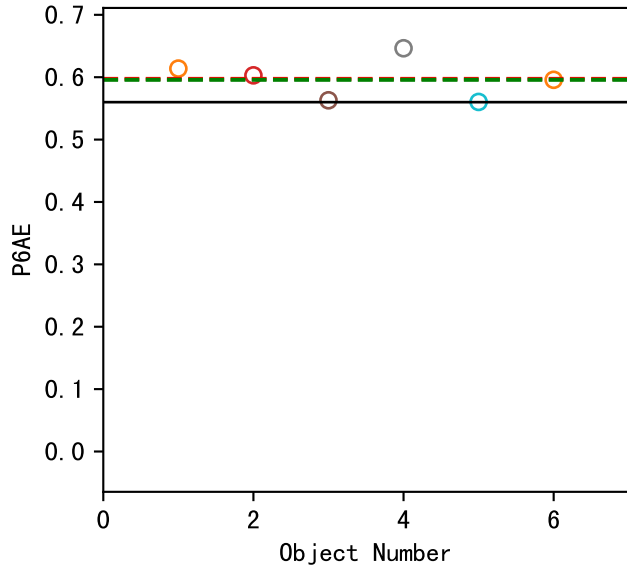
NdN

BDL [0.6, 2.87, 2.93, 1.0]

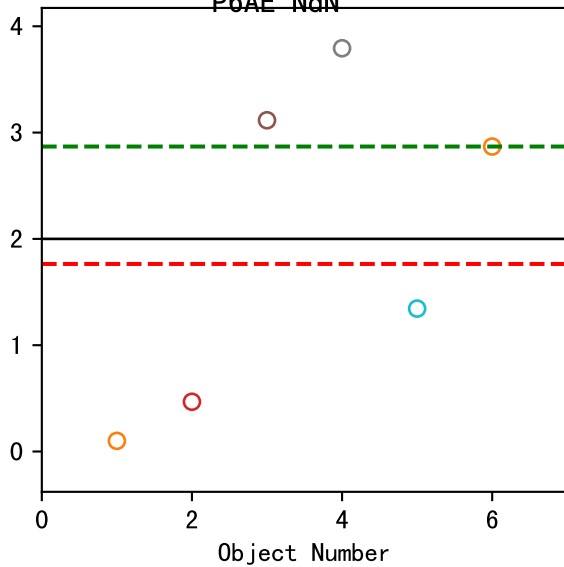
UF



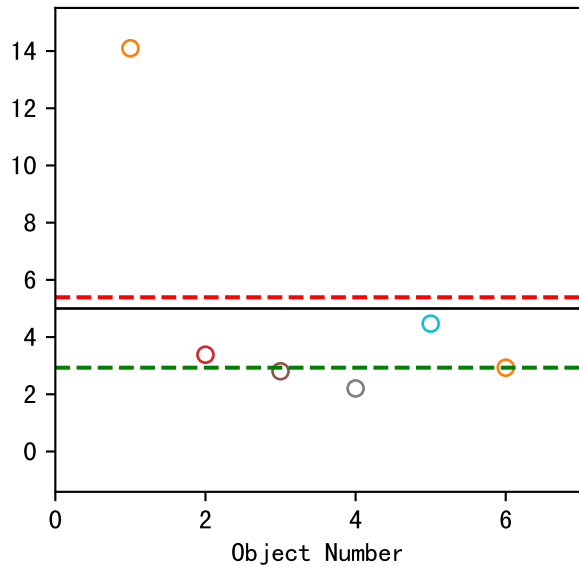
a (Def=0.56 Set=0.6)
avg1=0.6(fail) avg2=0.6



dm (Def=2 Set=2.87)
avg1=1.76(fail) avg2=2.87



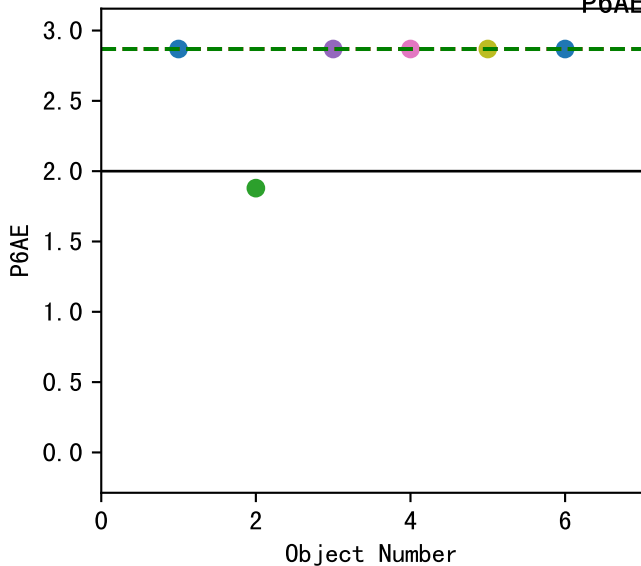
de (Def=5 Set=2.93)
avg1=5.39(fail) avg2=2.93



InitDev_dm (Def=2 Set=2.87)

avg1=2.87~0% avg2=2.87

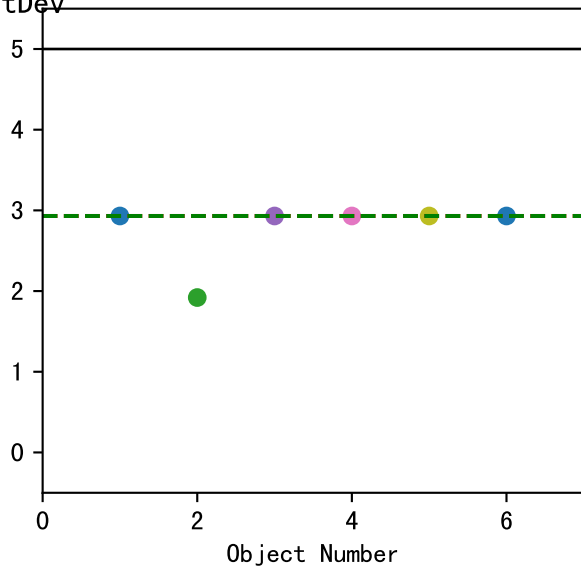
P6AE



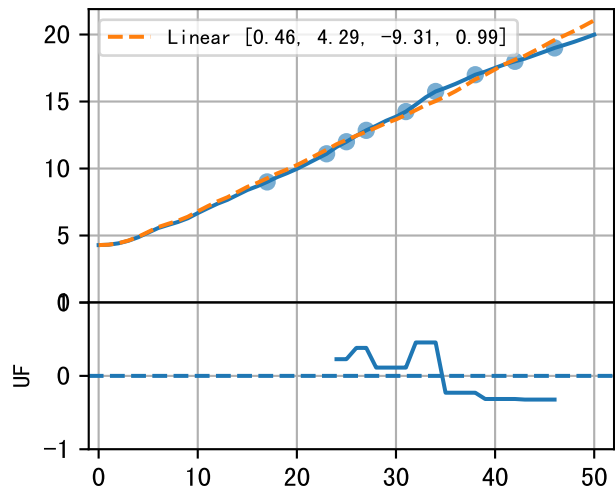
InitDev_de (Def=5 Set=2.93)

avg1=2.93~0% avg2=2.93

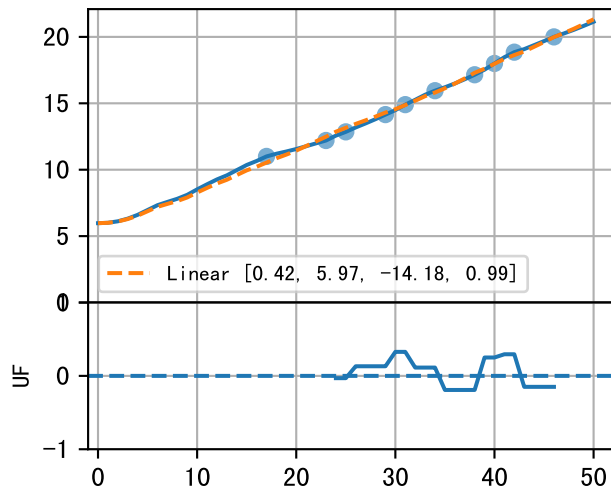
InitDev



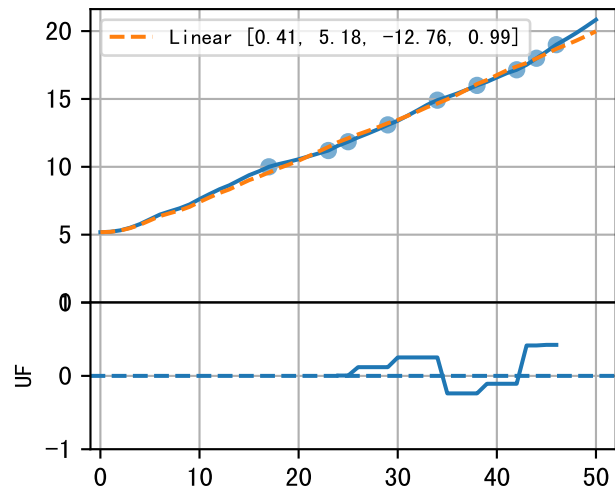
P6AE-007-10



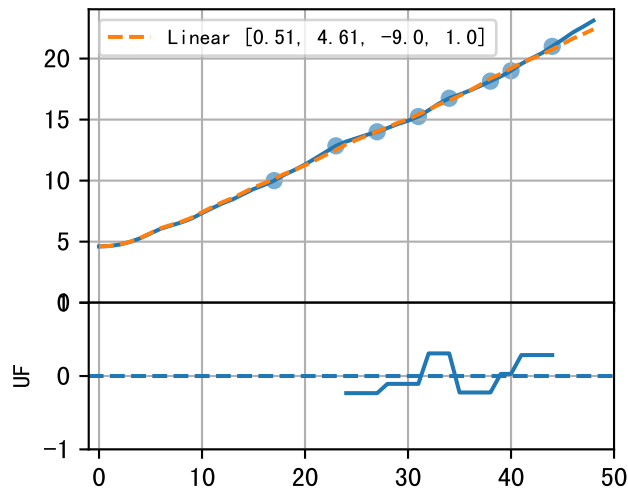
P6AE-014-17



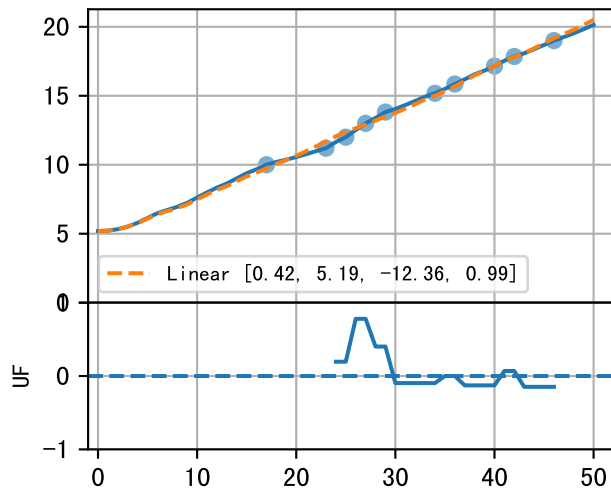
P6AE-026-25



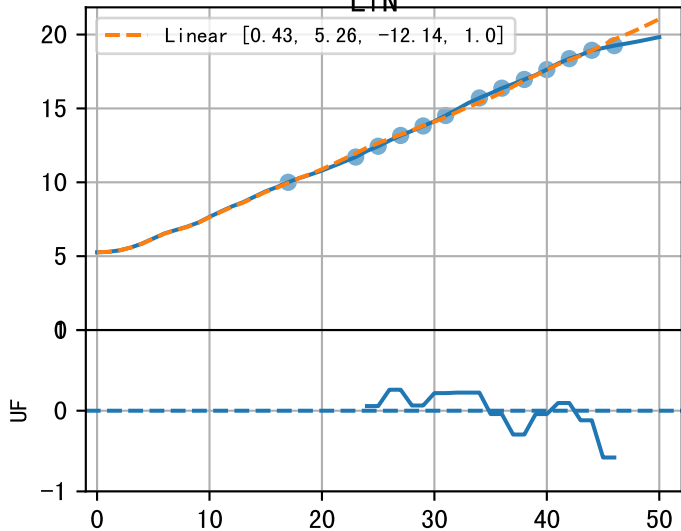
P6AE-033-4



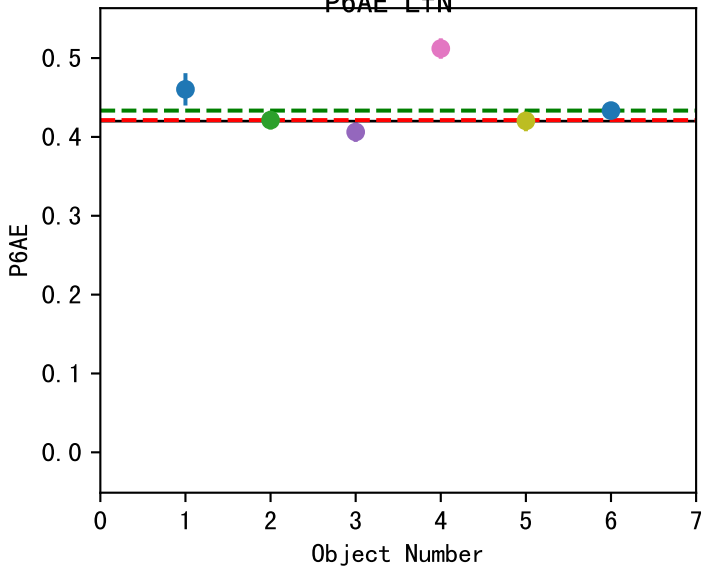
P6AE-045-12



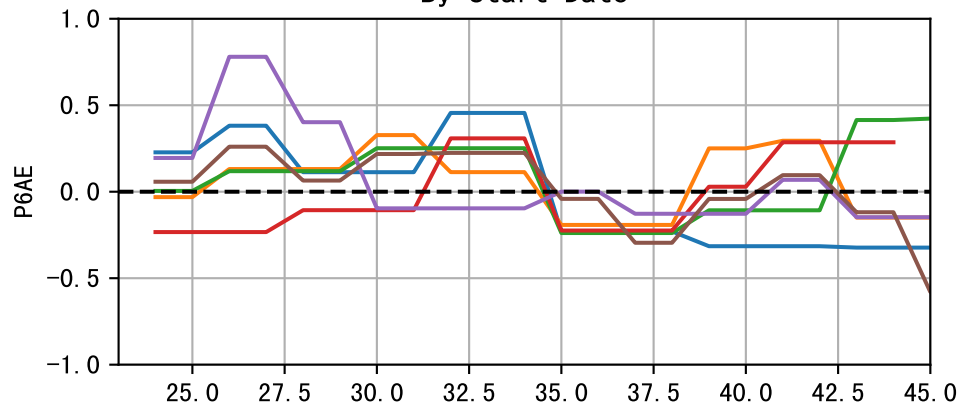
P6AEavg
Lfn



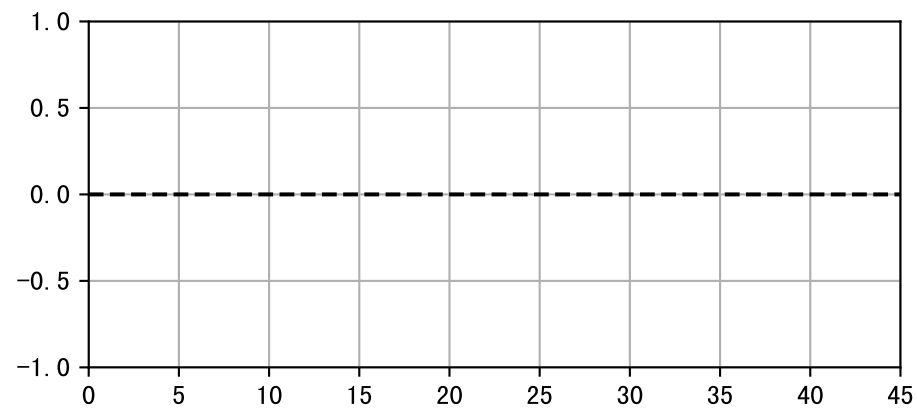
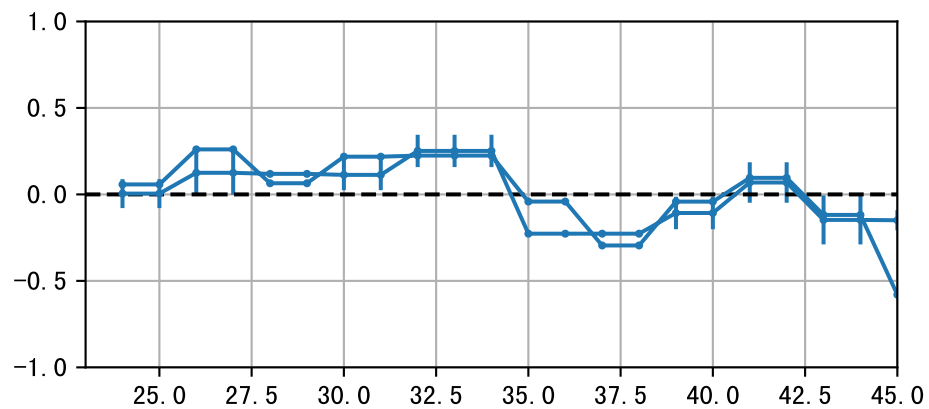
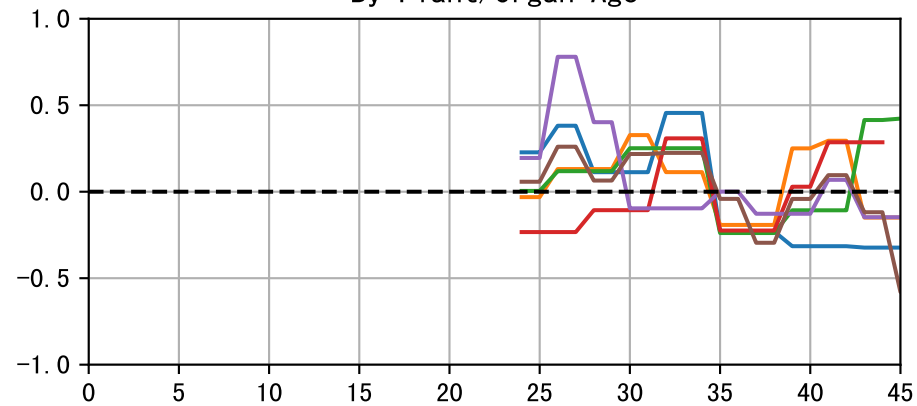
a (Def=0.42 Set=0.43)
avg1=0.42~10% avg2=0.43~5%



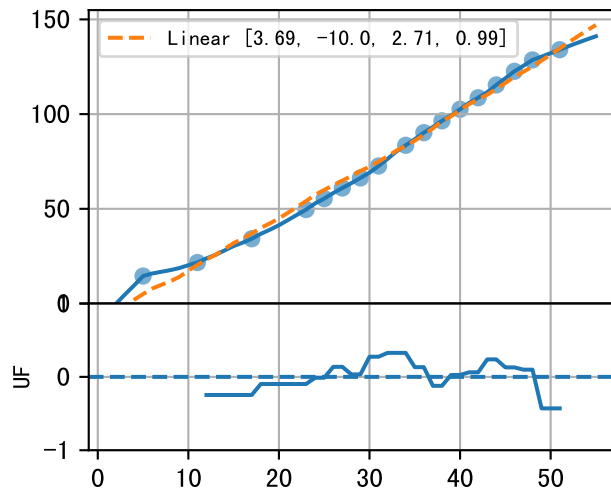
By Start Date



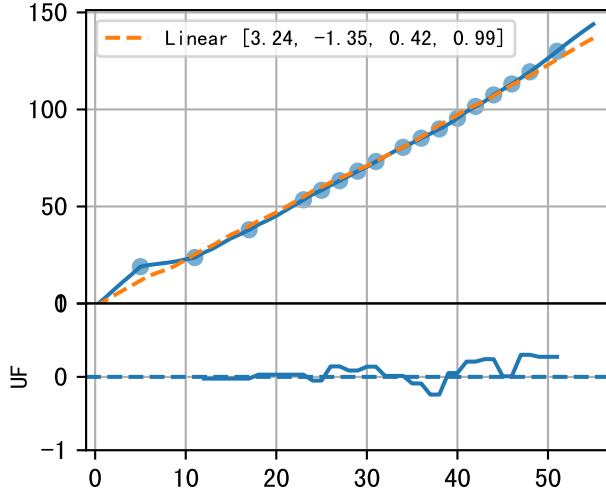
By Plant/Organ Age



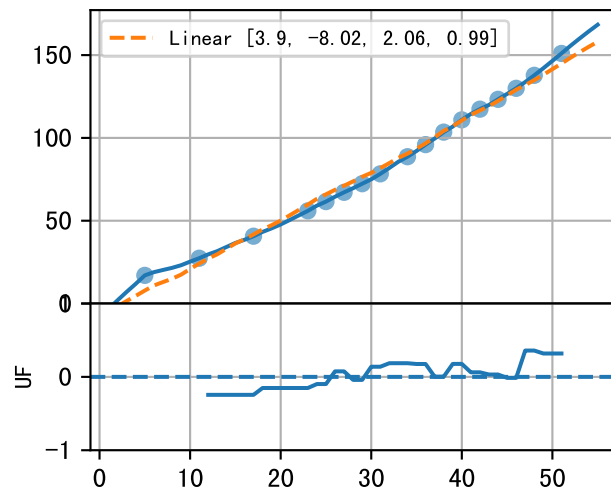
P6AE-007-10



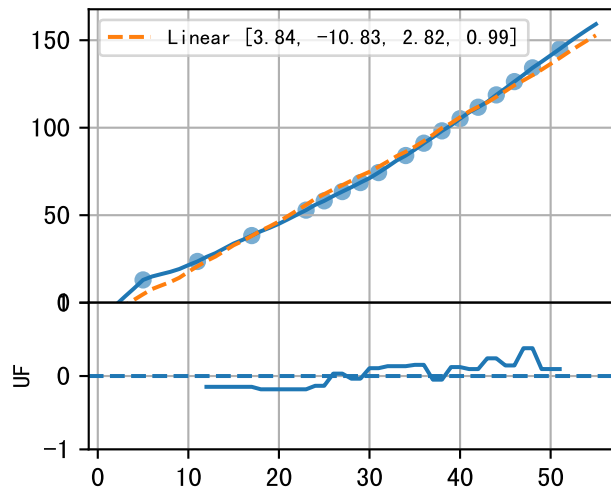
P6AE-014-17



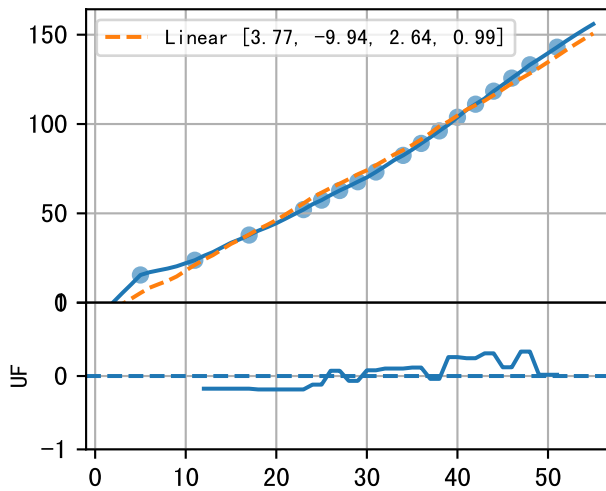
P6AE-026-25



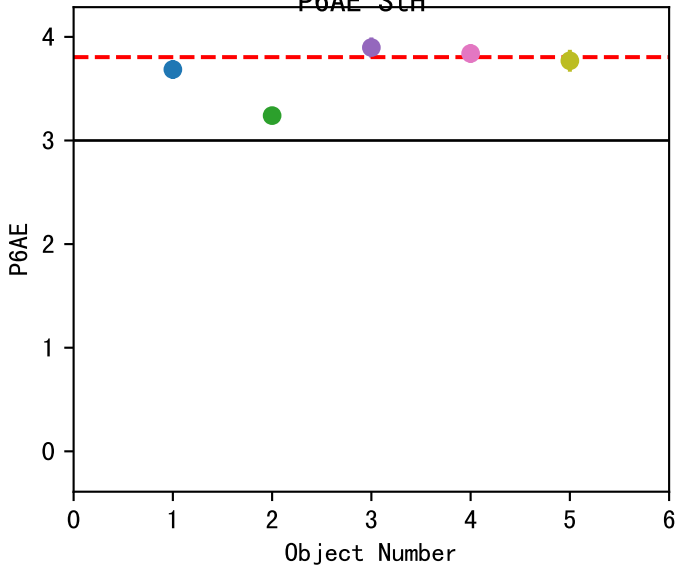
P6AE-033-4



P6AE-045-12

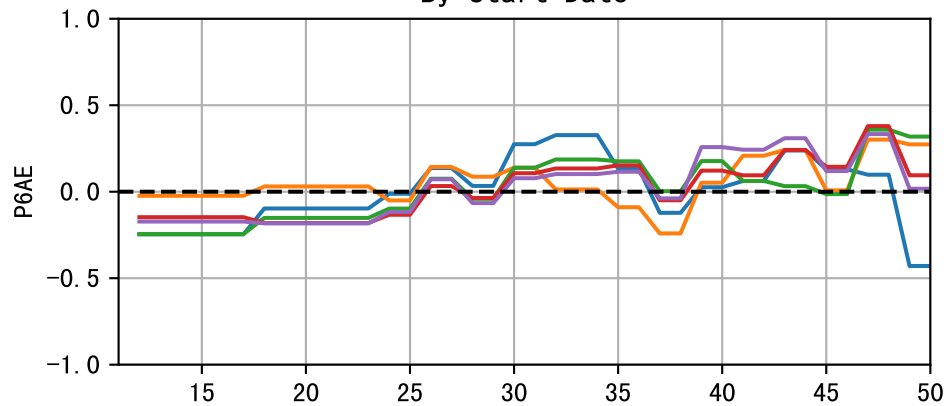


a (Def=3 Set=3.8)
avg1=3.8~2% avg2=na
P6AE StH

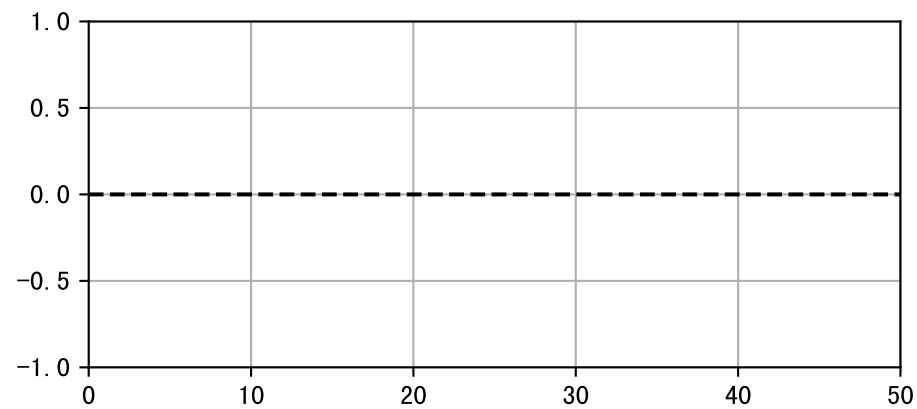
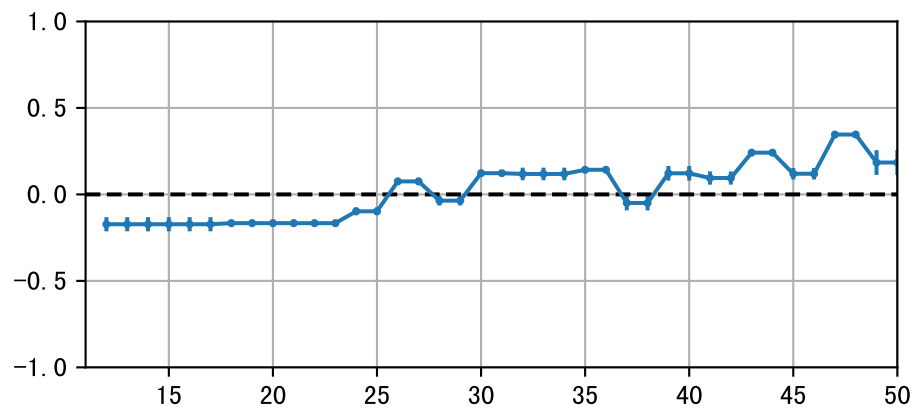
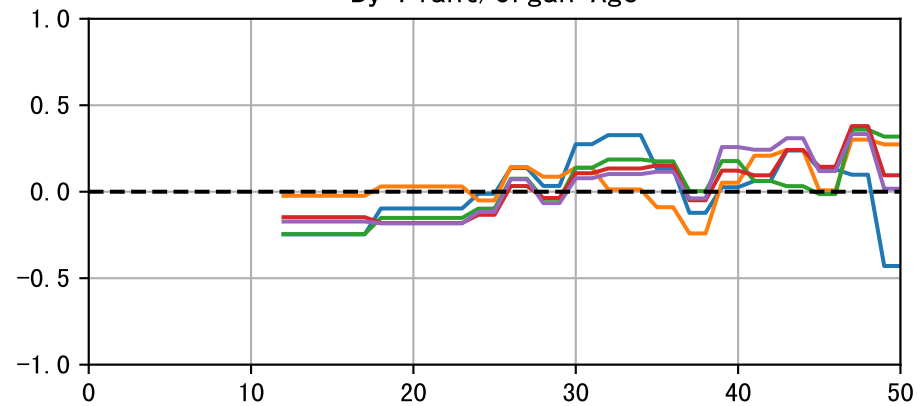


StH

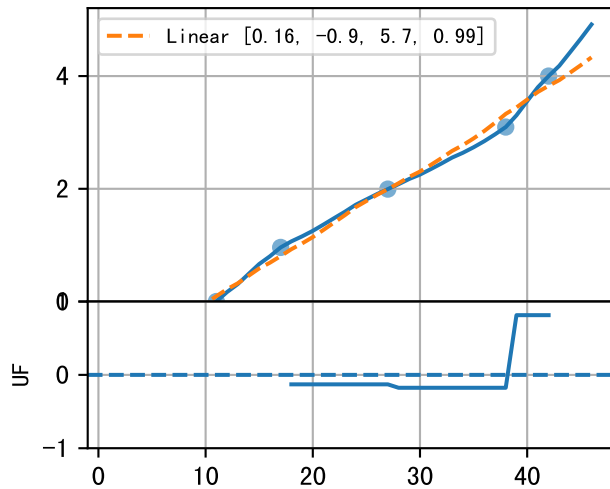
By Start Date



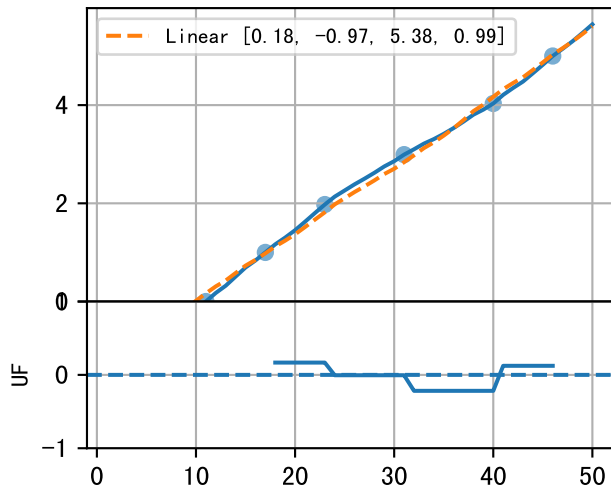
By Plant/Organ Age



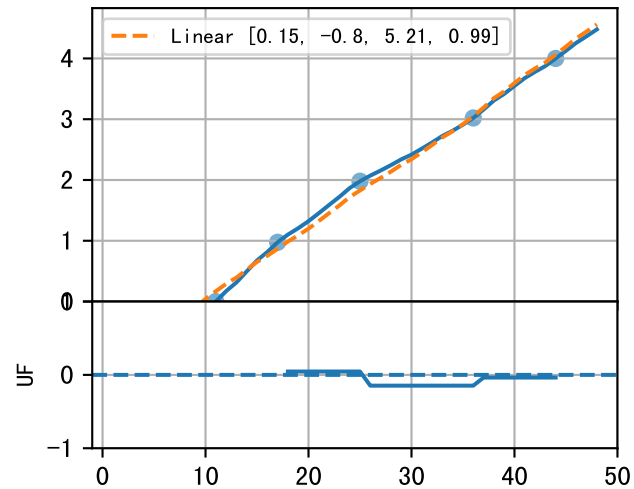
P6AE-007-10



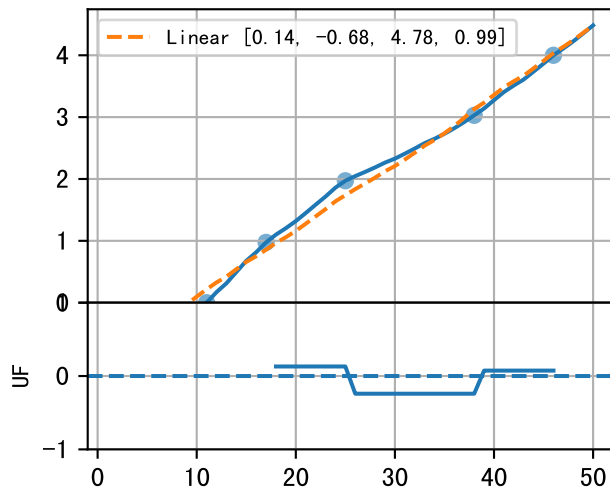
P6AE-014-17



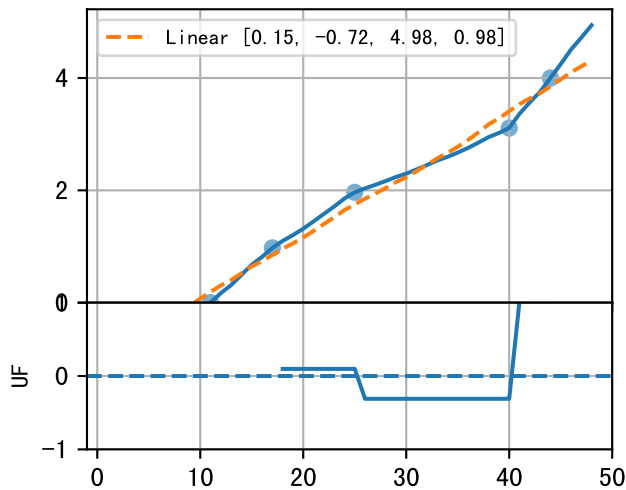
P6AE-026-25



P6AE-033-4



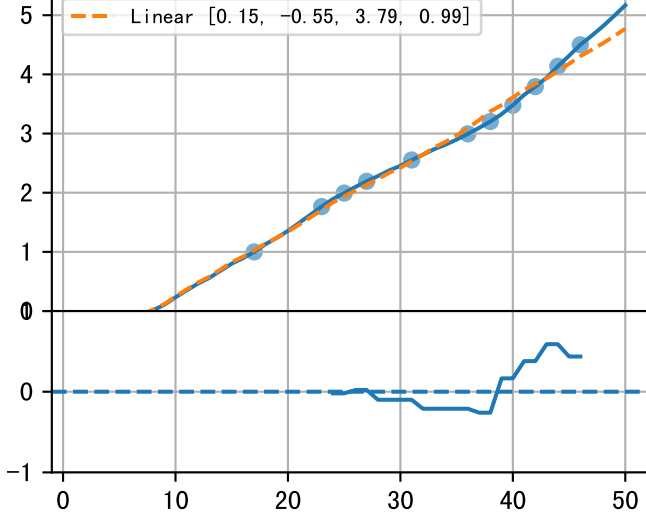
P6AE-045-12



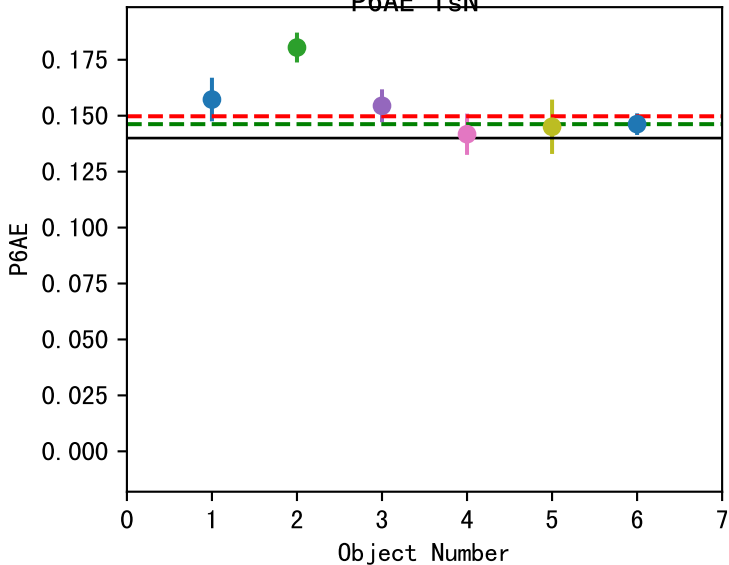
P6AEavg
I_{SN}

Linear [0.15, -0.55, 3.79, 0.99]

UF

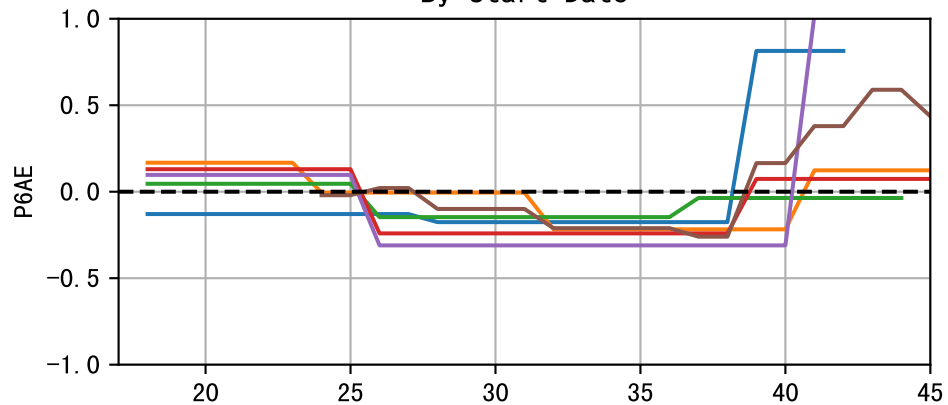


a (Def=0.14 Set=0.15)
avg1=0.15 $\sim$ 5% avg2=0.15 $\sim$ 7%
P6AE TsN

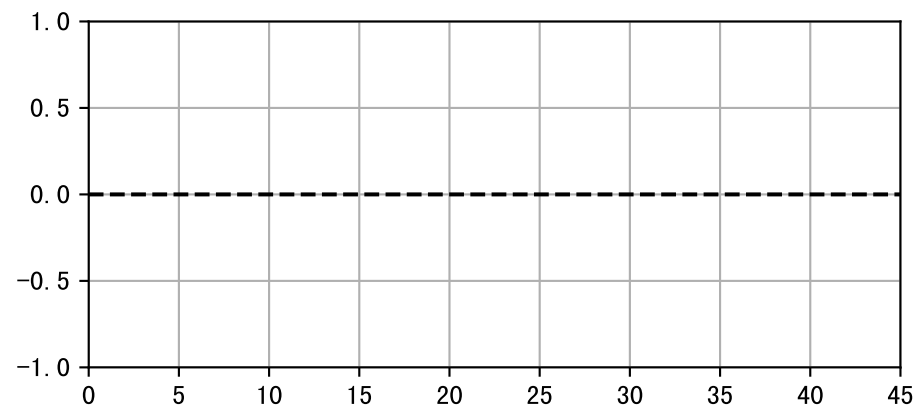
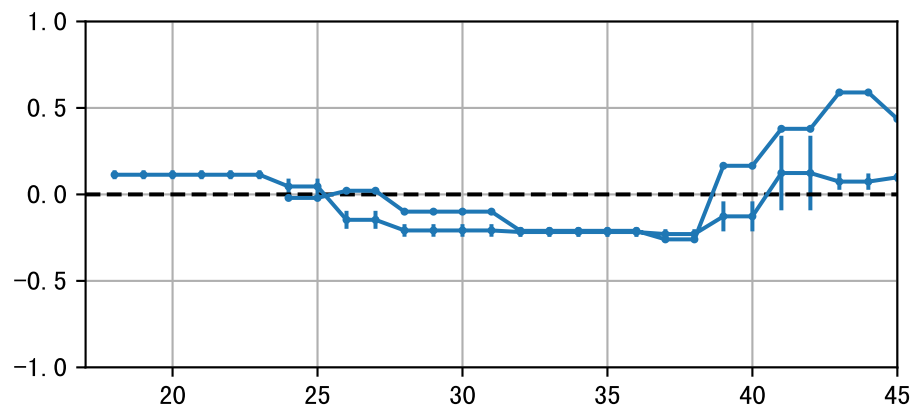
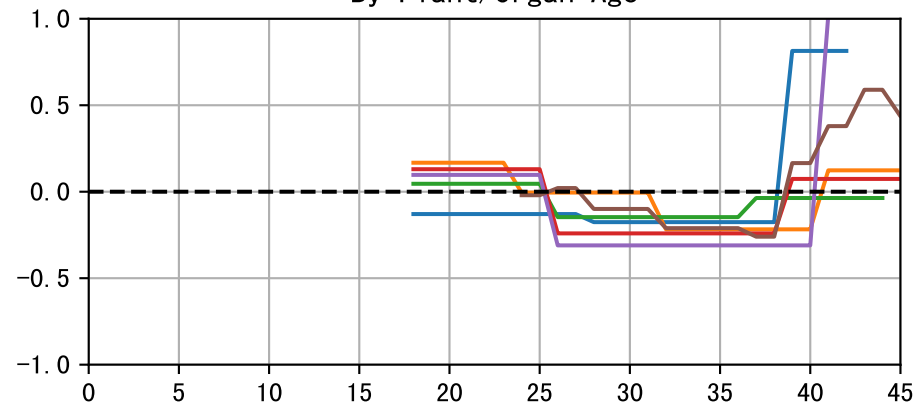


TsN

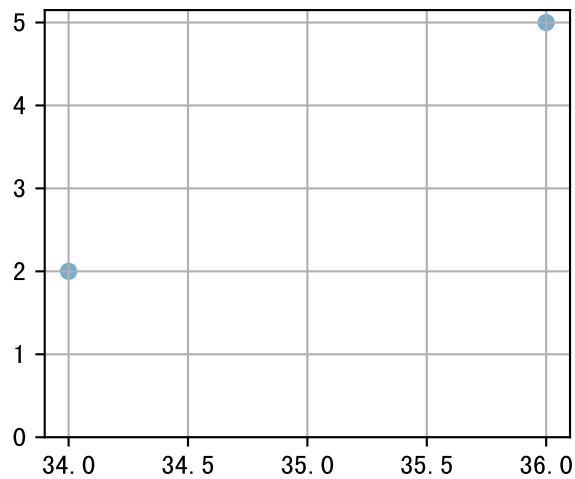
By Start Date



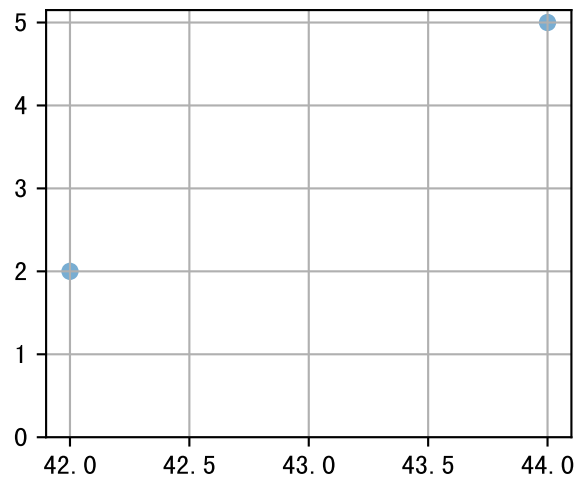
By Plant/Organ Age



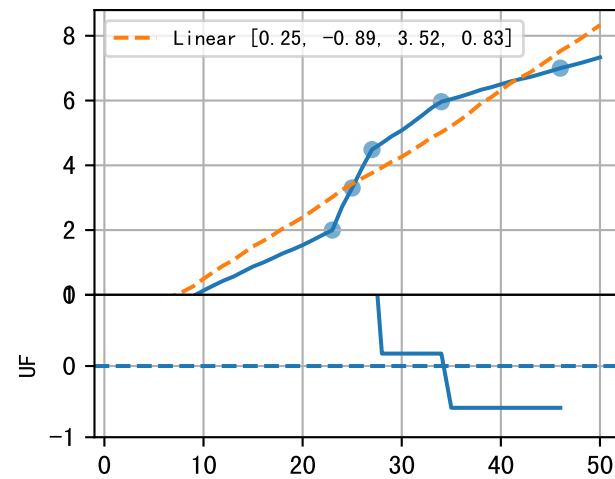
P6AE-007-10T2 (fit failed)



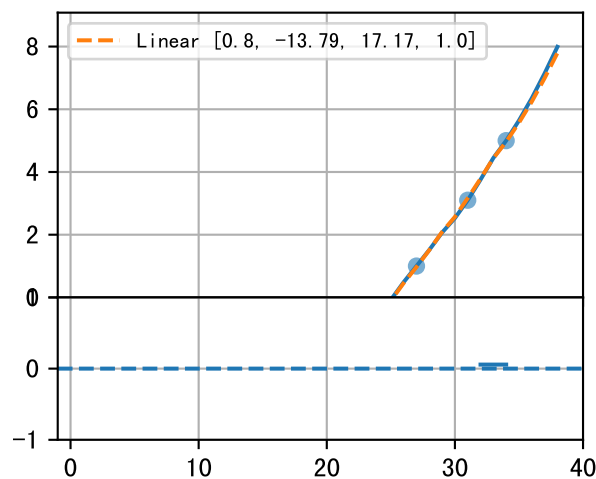
P6AE-007-10T3 (fit failed)



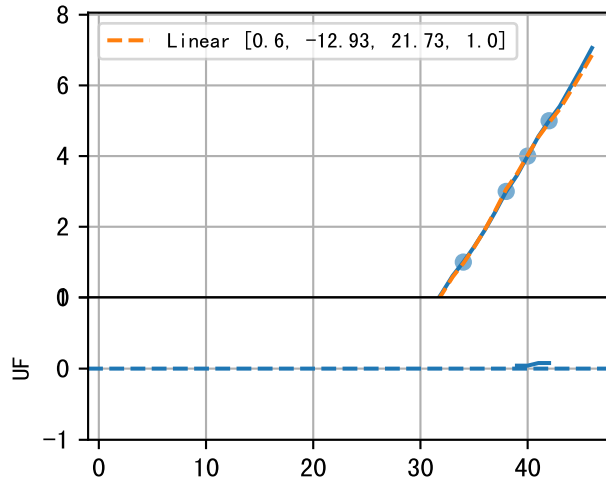
P6AE-014-17T1



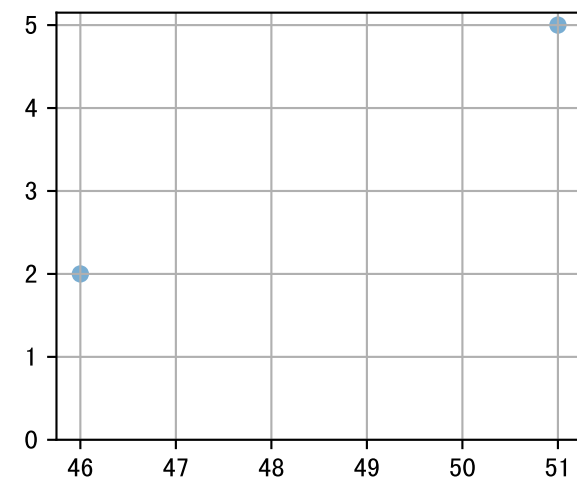
P6AE-014-17T2



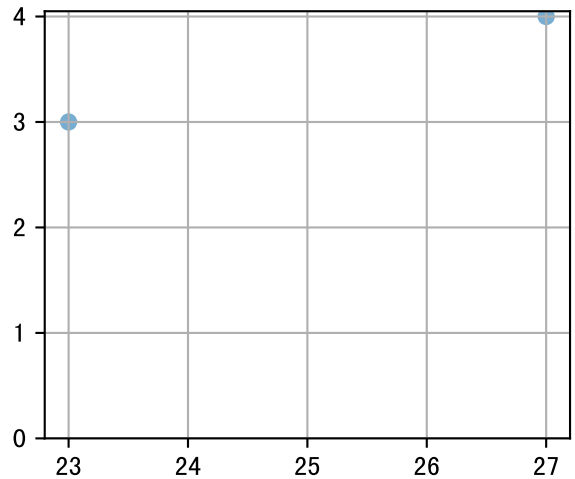
P6AE-014-17T3



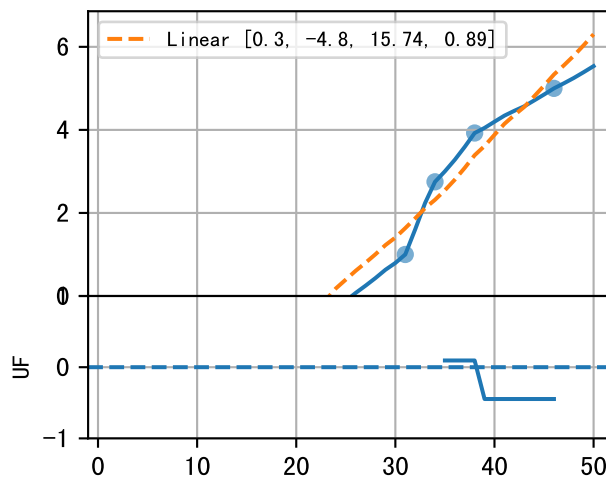
P6AE-014-17T4 (fit failed)



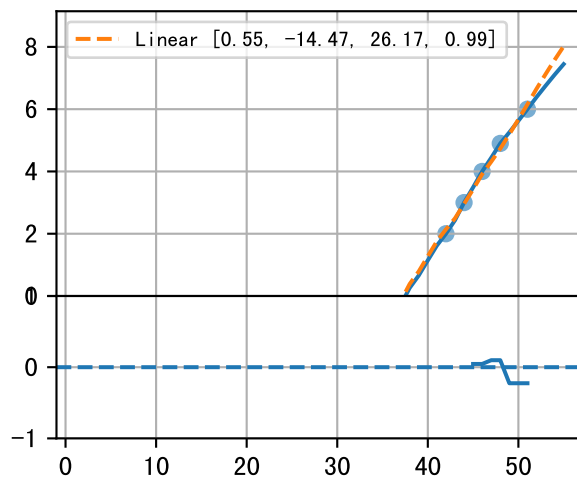
P6AE-026-25T1 (fit failed)



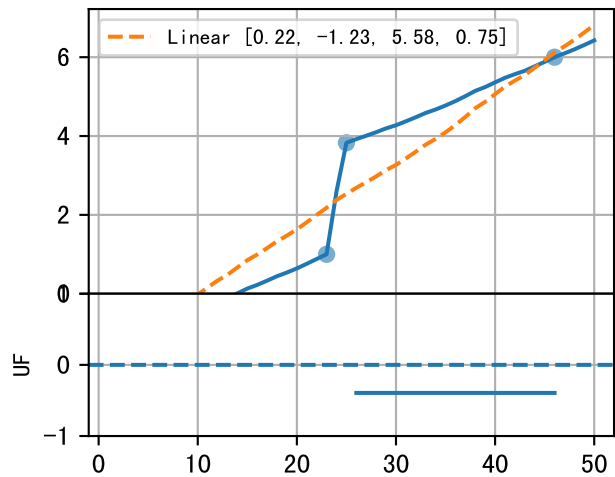
P6AE-026-25T2



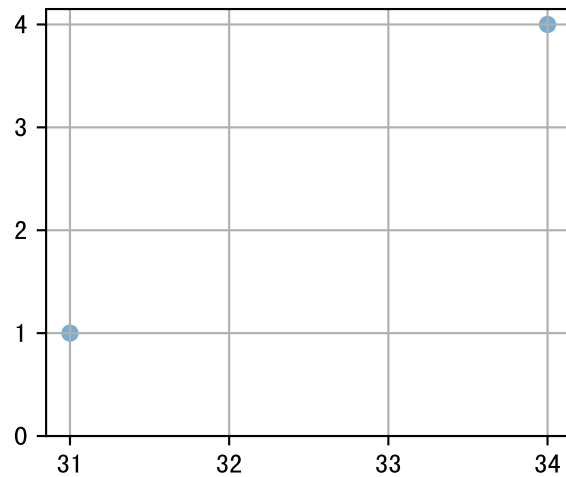
P6AE-026-25T3



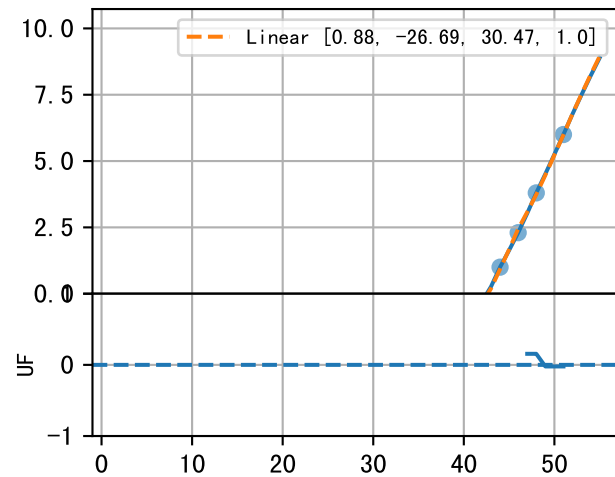
P6AE-033-4T1



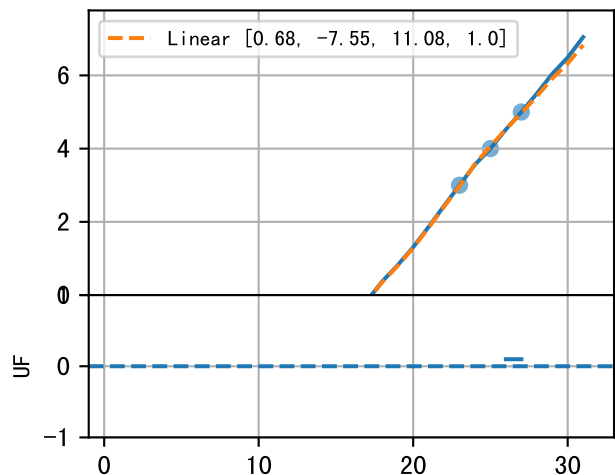
P6AE-033-4T2 (fit failed)



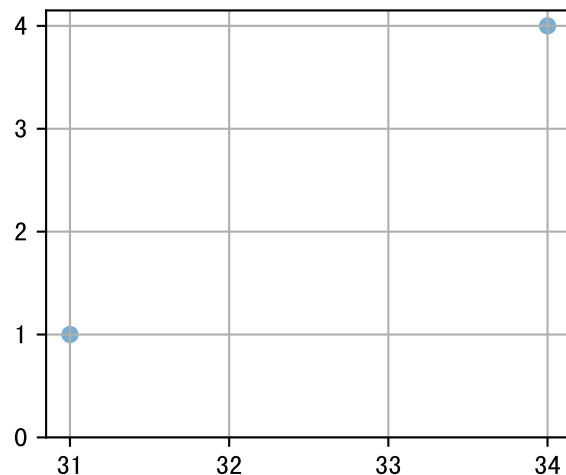
P6AE-033-4T3



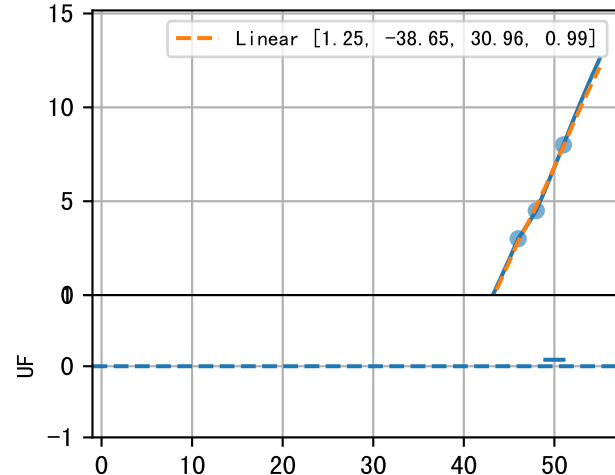
P6AE-045-12T1



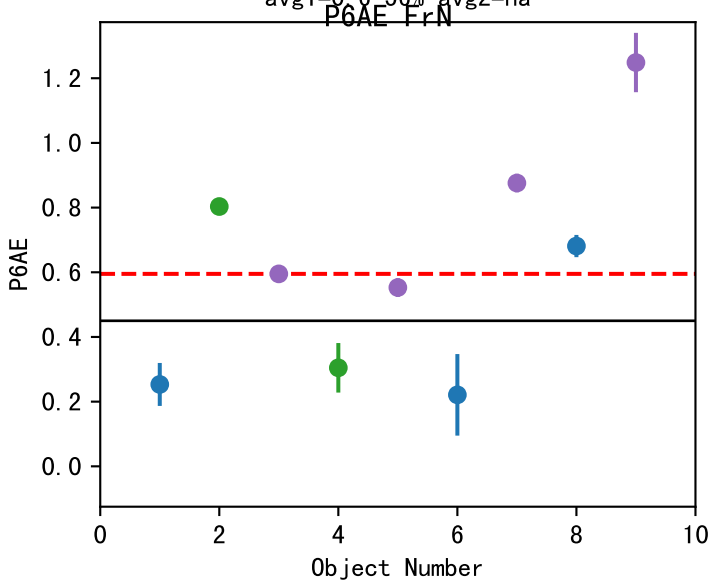
P6AE-045-12T2 (fit failed)



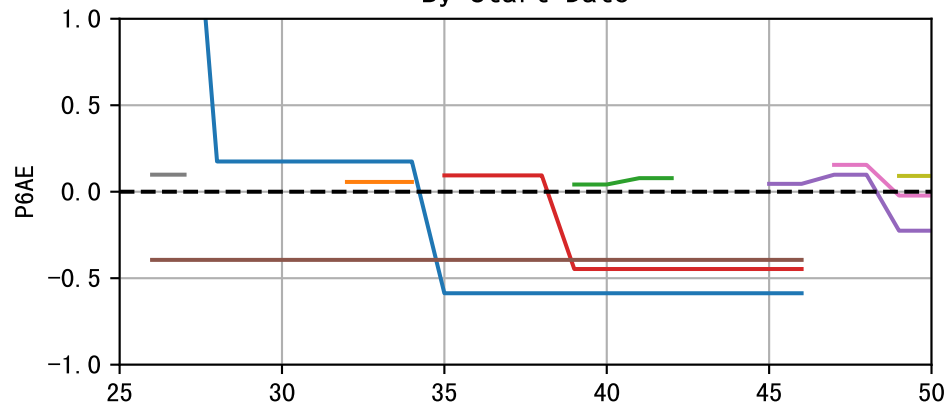
P6AE-045-12T3



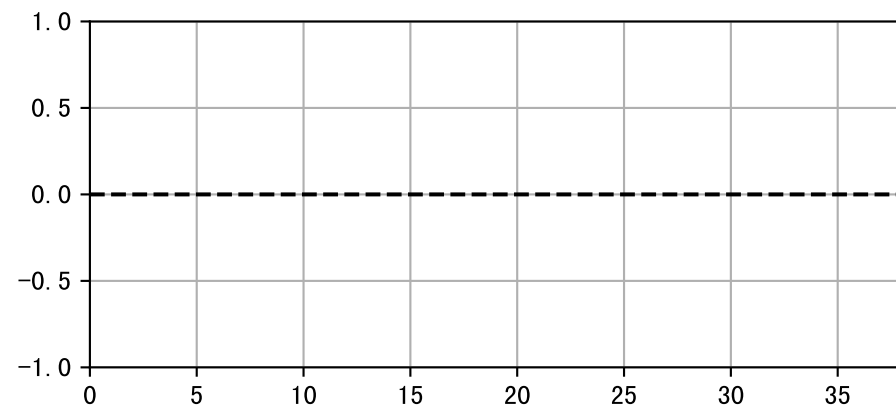
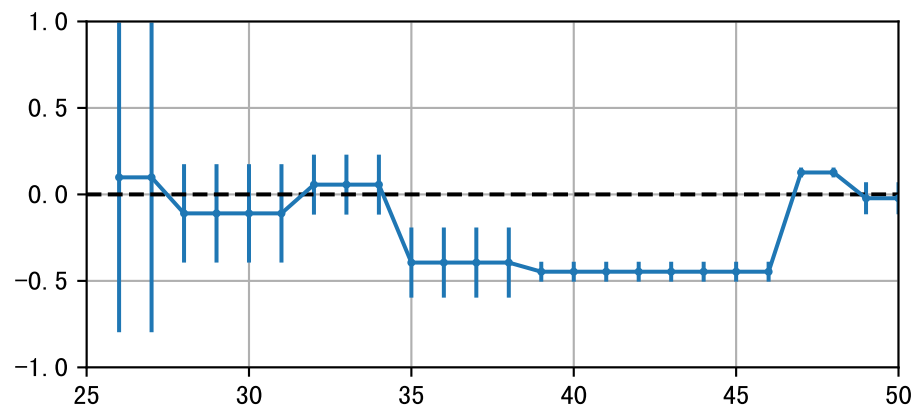
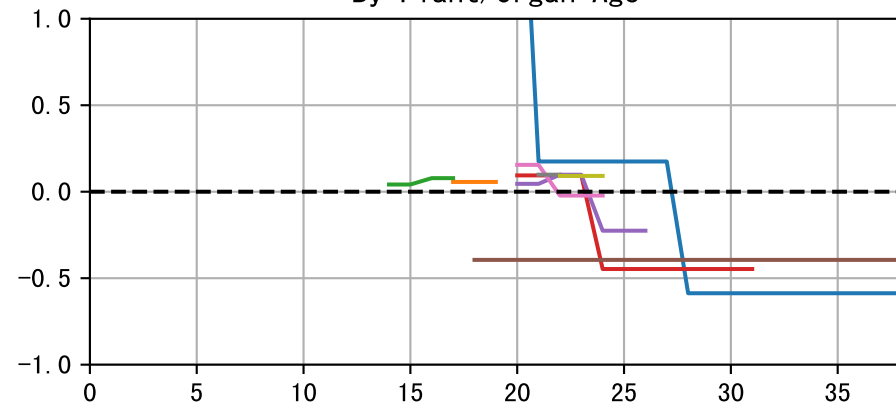
a (Def=0.45 Set=0.6)
avg1=0.6~56% avg2=na



By Start Date

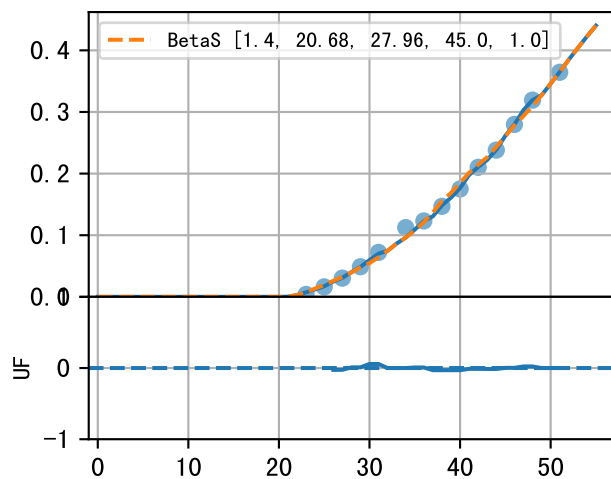


By Plant/Organ Age

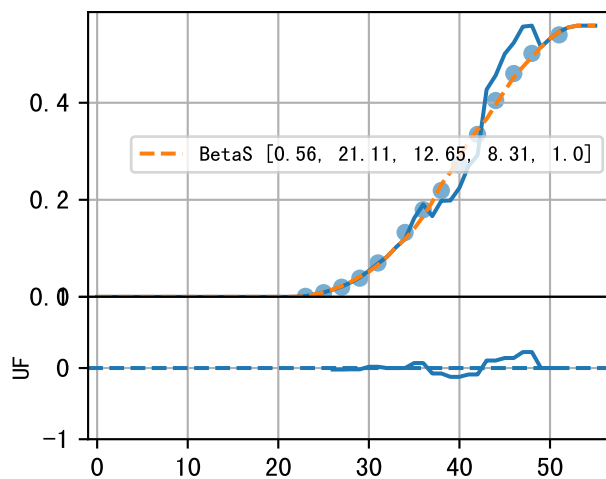


FrV

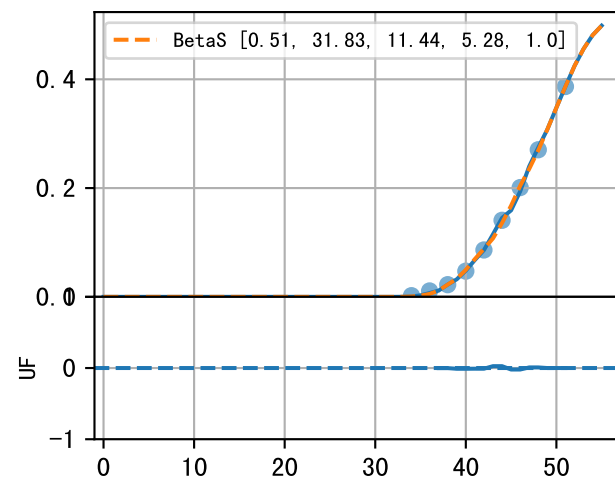
P6AE-007-10T1Fr1 (fit failed)



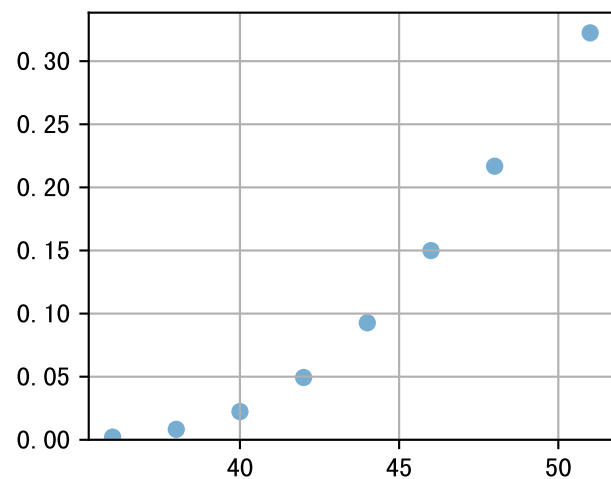
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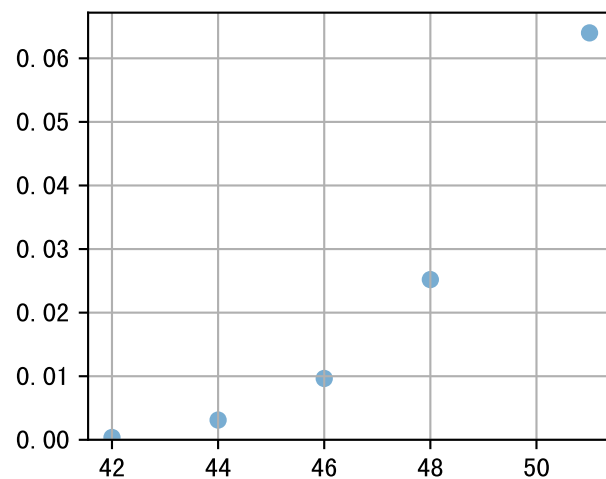
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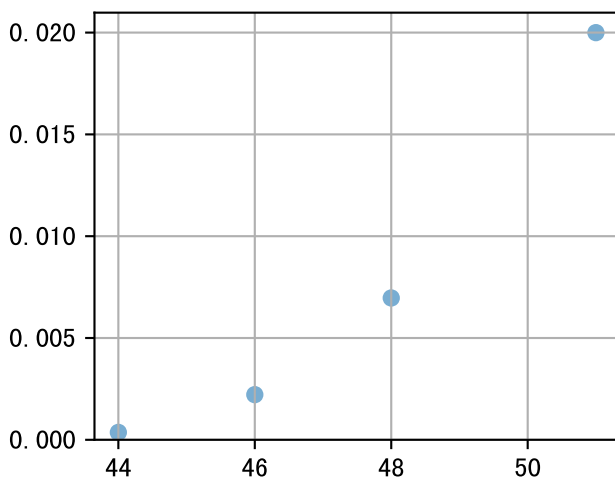
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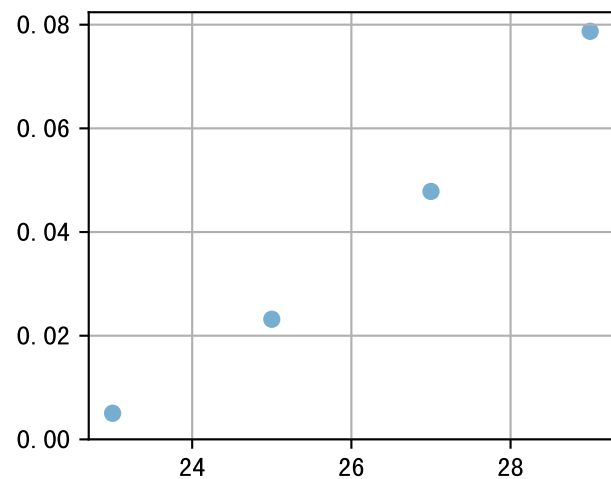
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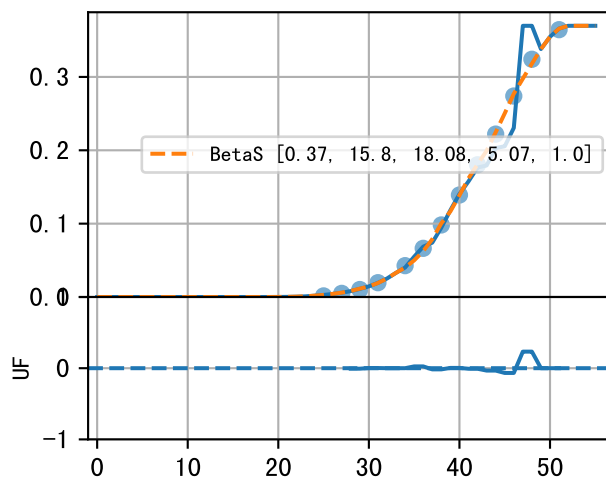
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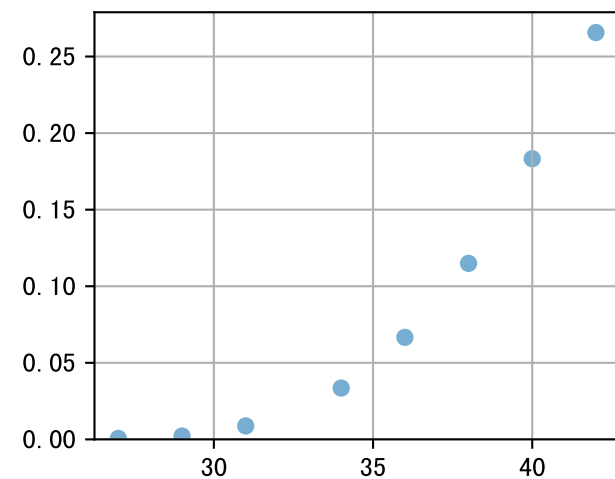
P6AE-014-17T1Fr1 (fit failed)



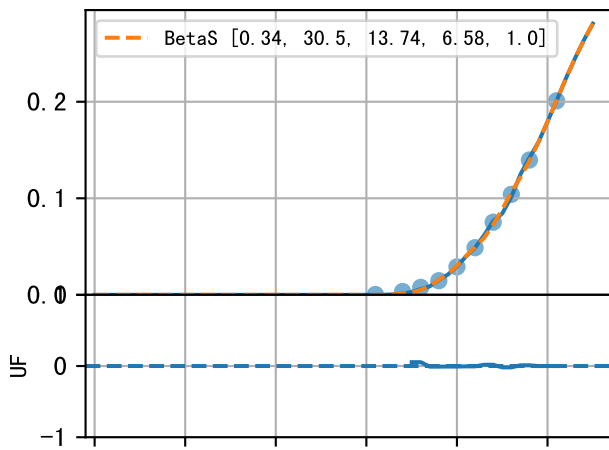
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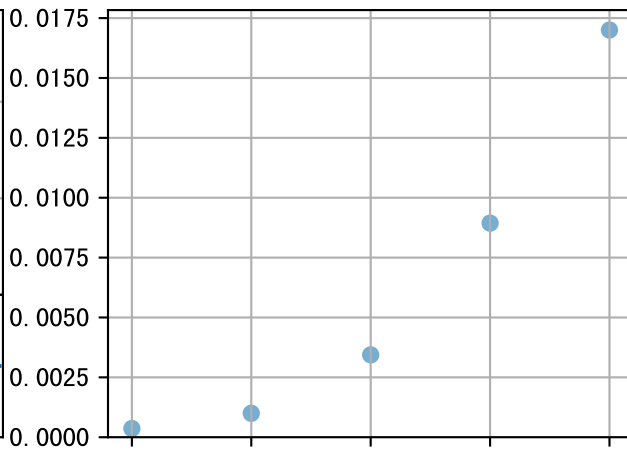
P6AE-014-17T2Fr1 (fit failed)



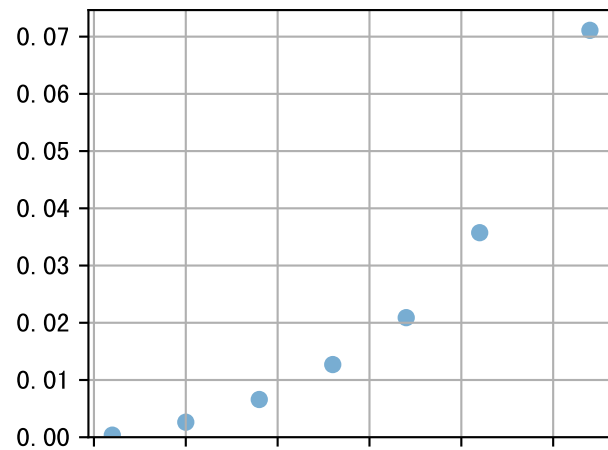
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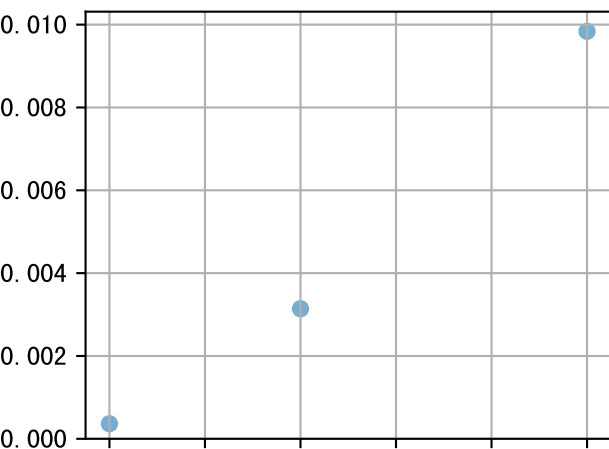
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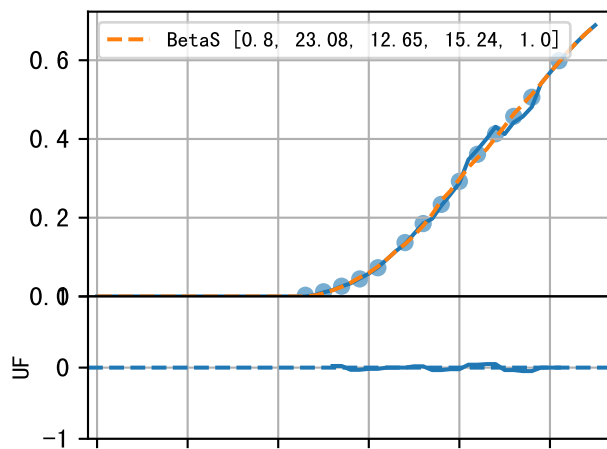
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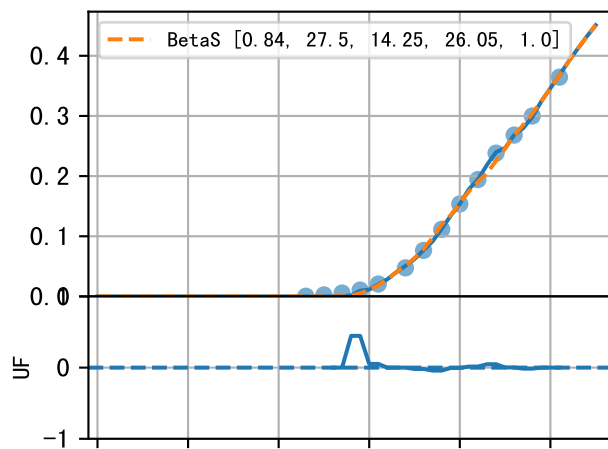
P6AE-014-17T4Fr1 (fit failed)



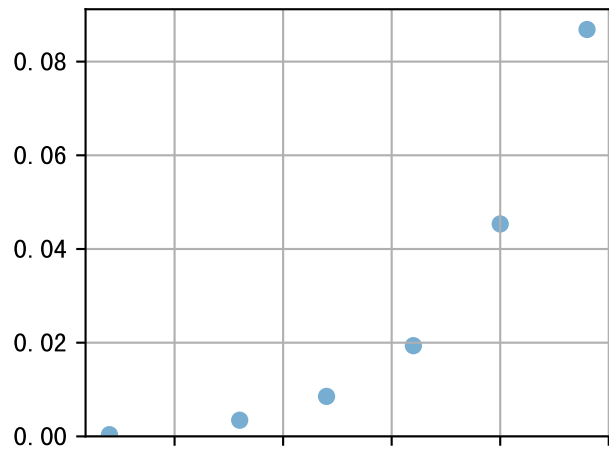
P6AE-026-25T1Fr1



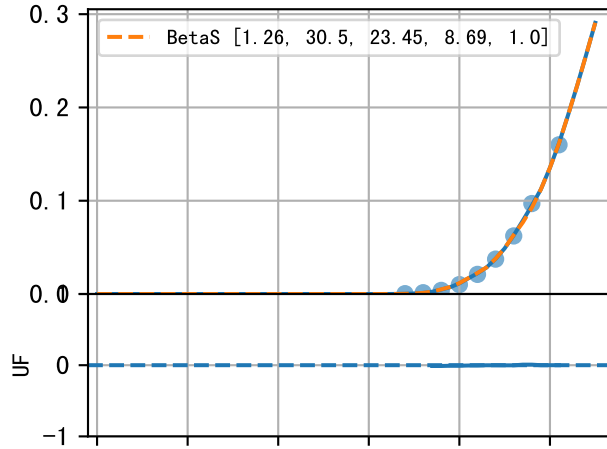
P6AE-026-25T1Fr5 (fit failed)



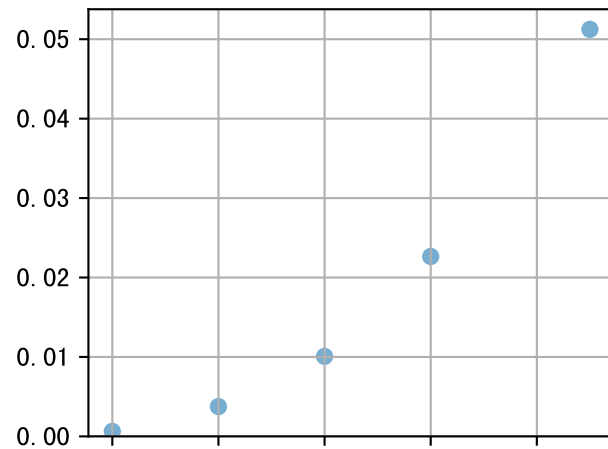
P6AE-026-25T2Fr1 (fit failed)



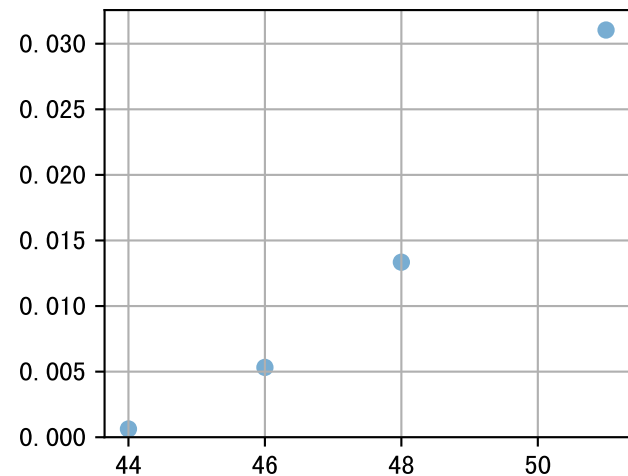
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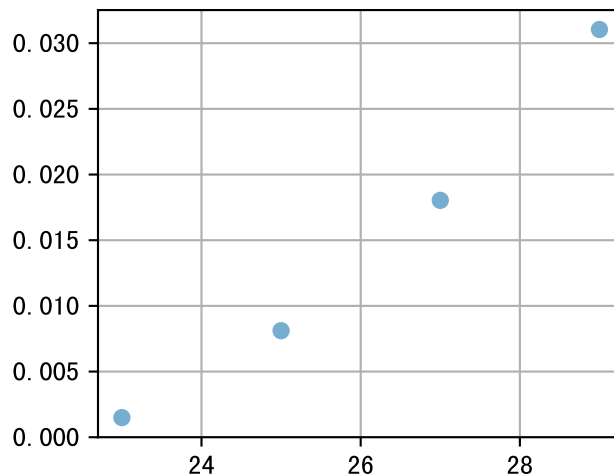
P6AE-026-25T3Fr1 (fit failed)



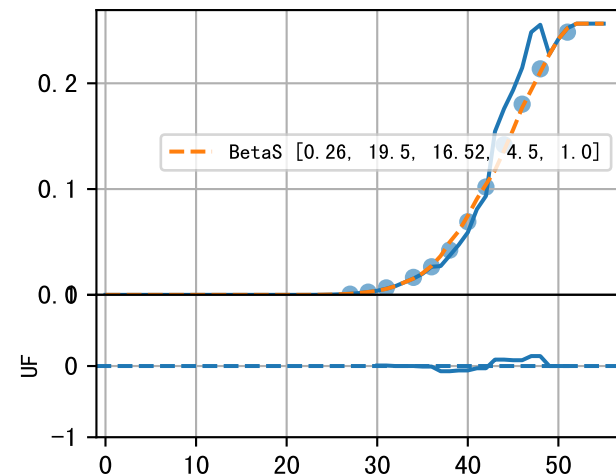
P6AE-026-25T3Fr5 (fit failed)



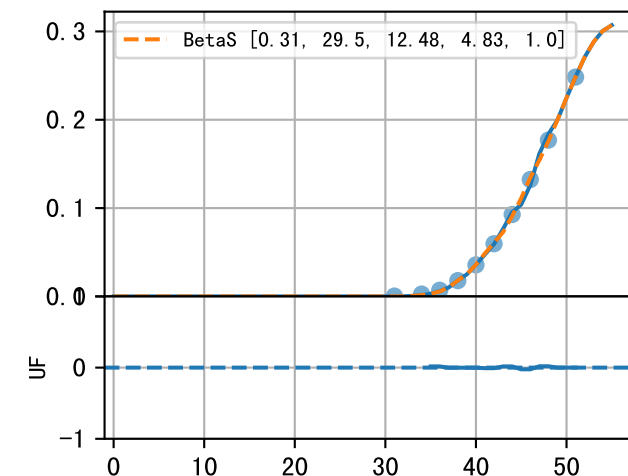
P6AE-033-4T1Fr1 (fit failed)



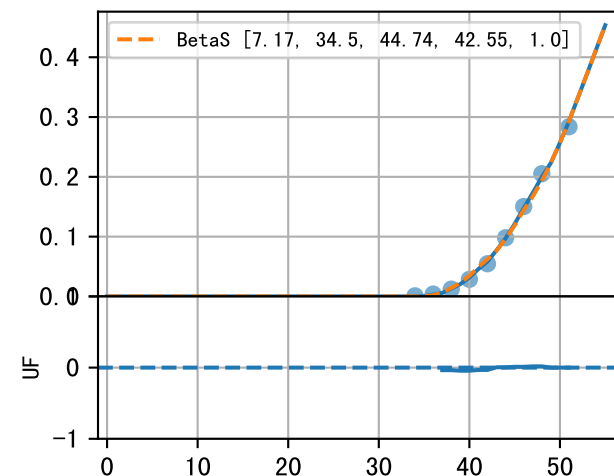
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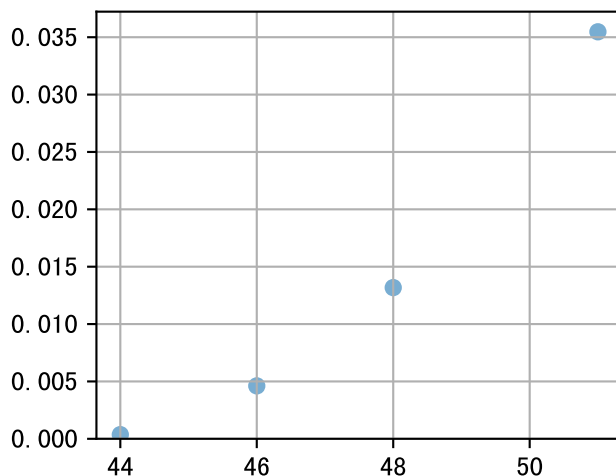
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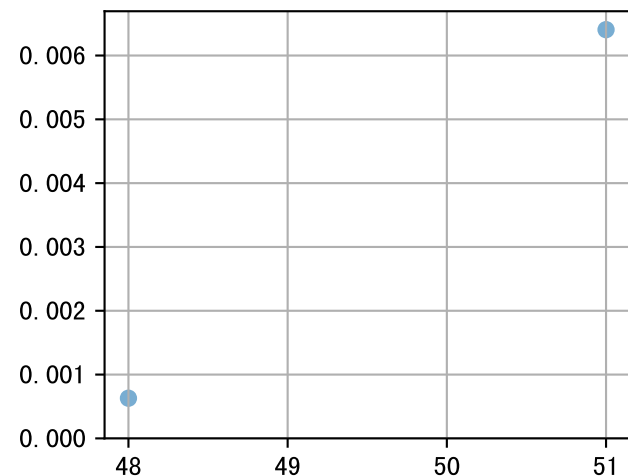
P6AE-033-4T2Fr5 (fit failed)



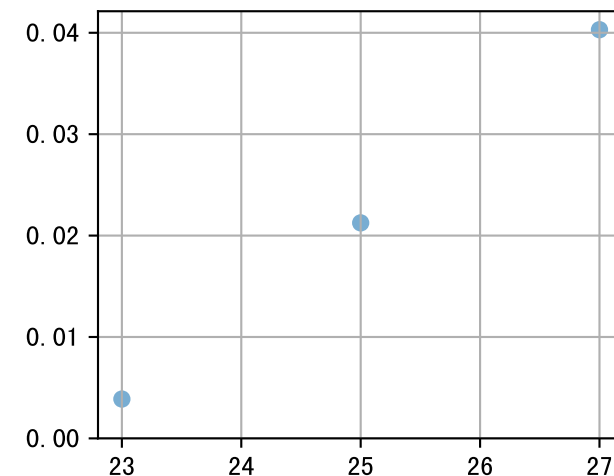
P6AE-033-4T3Fr1 (fit failed)



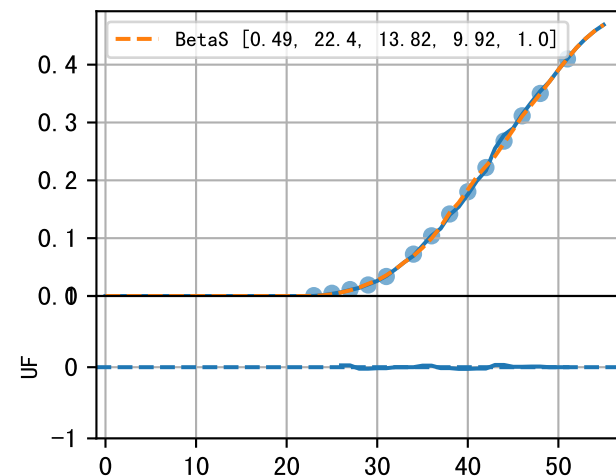
P6AE-033-4T3Fr5 (fit failed)



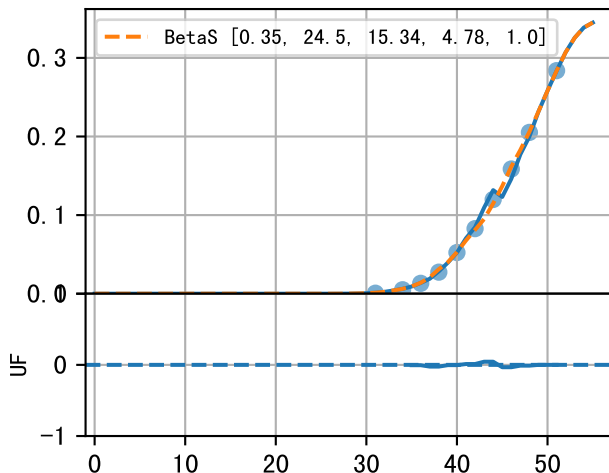
P6AE-045-12T1Fr1 (fit failed)



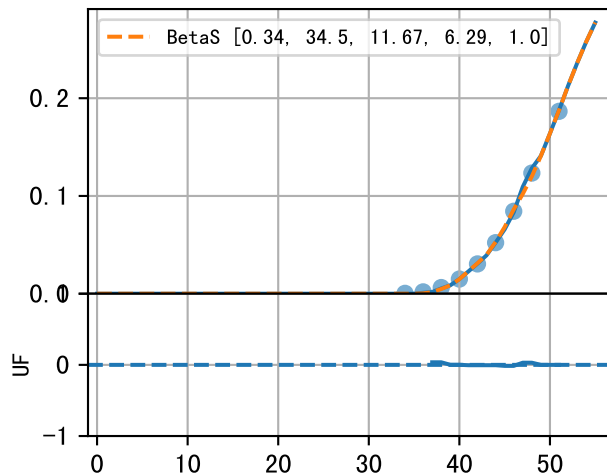
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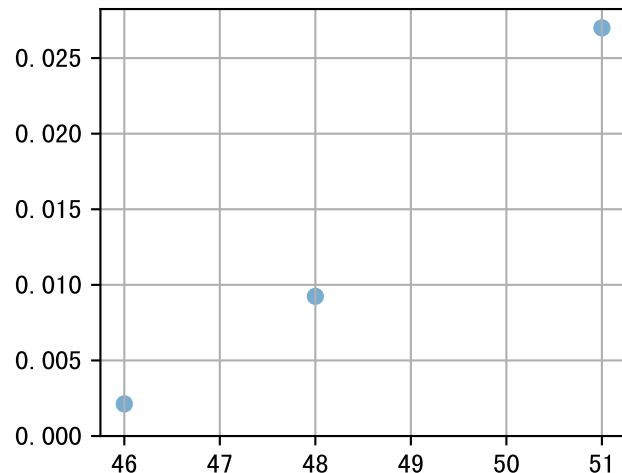
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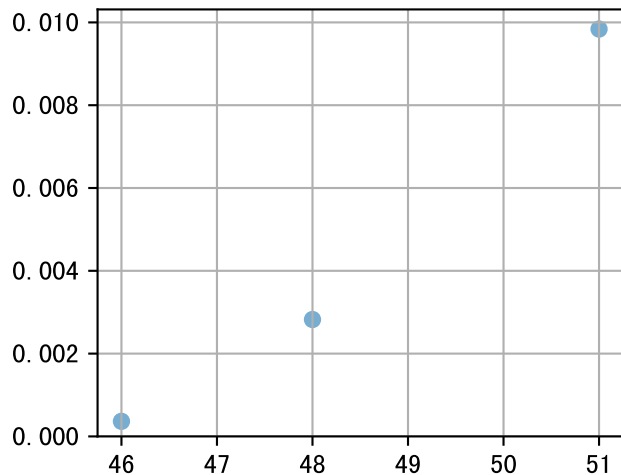
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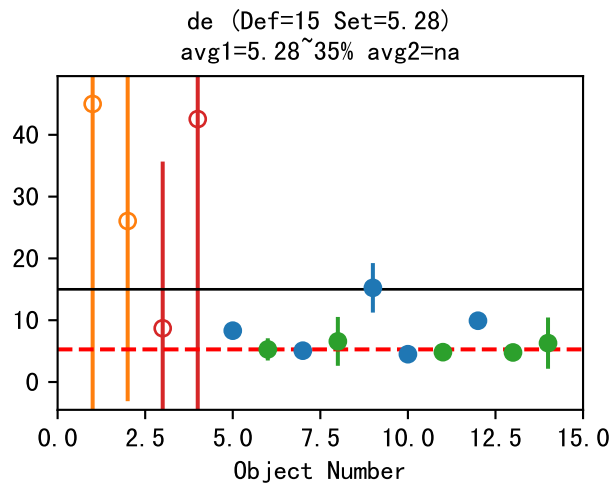
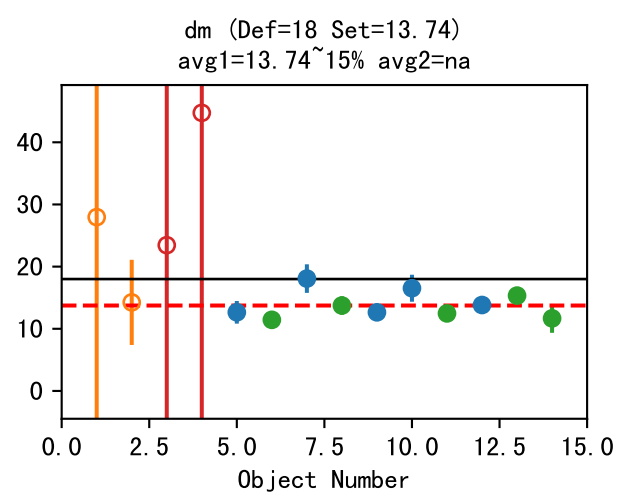
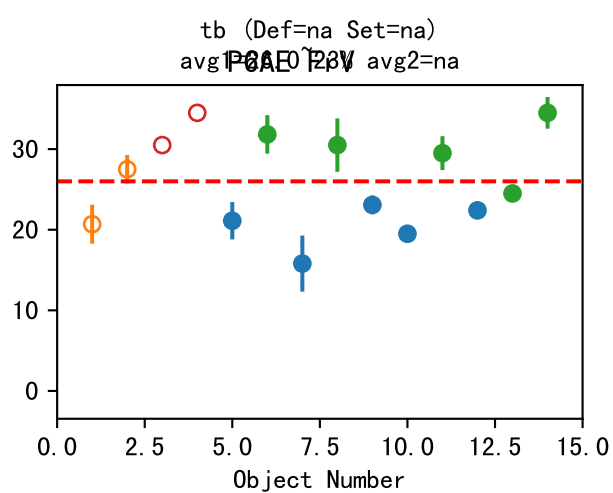
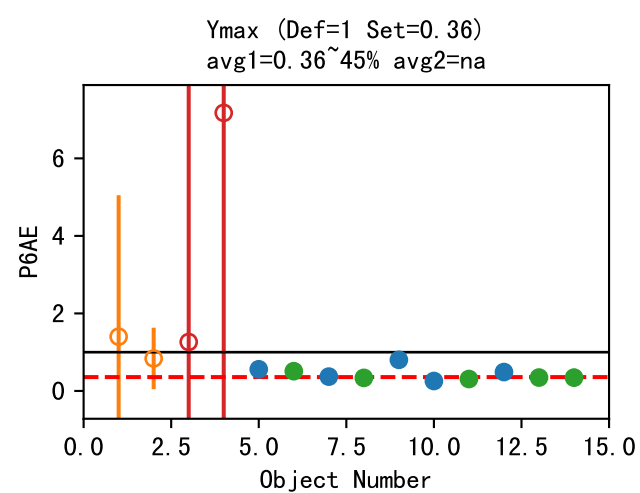


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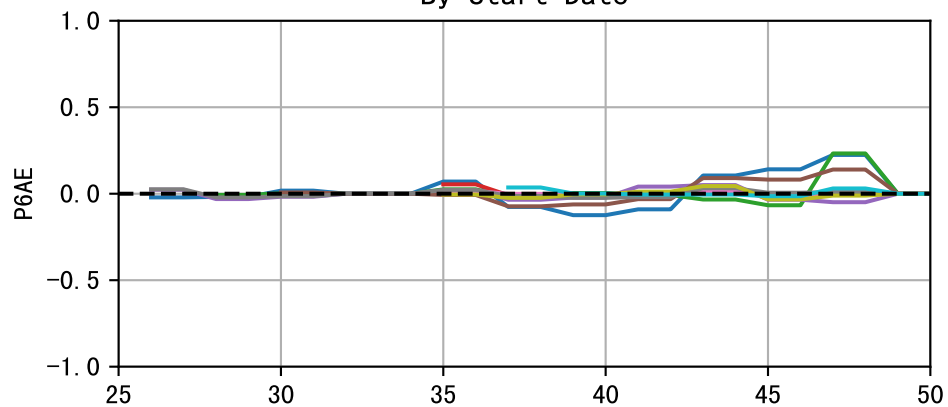


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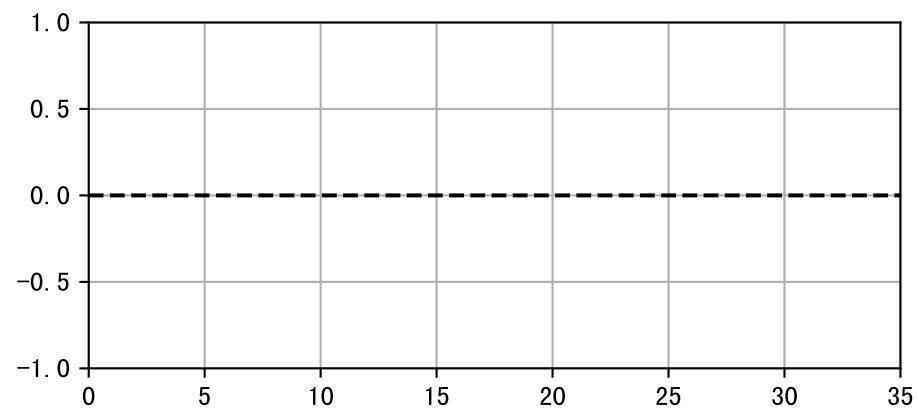
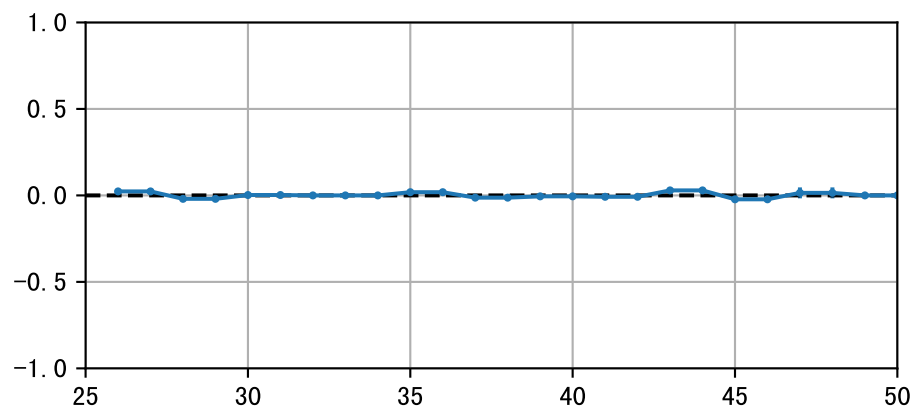
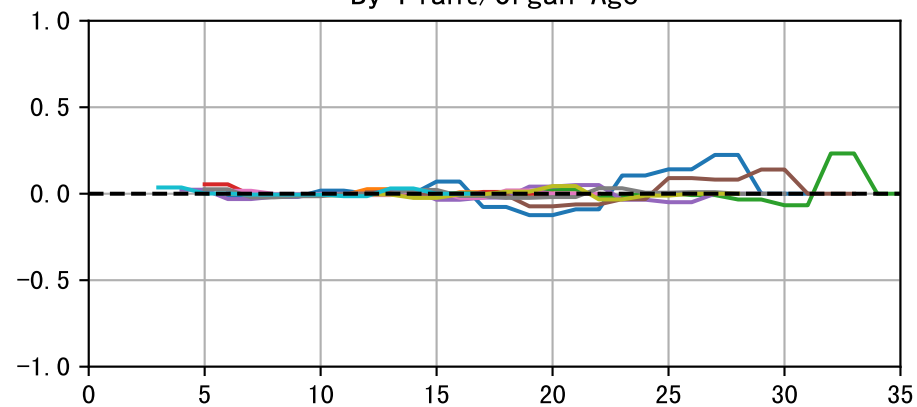




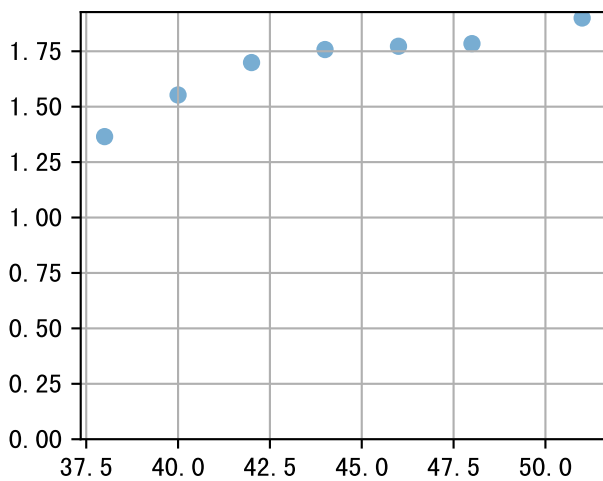
By Start Date



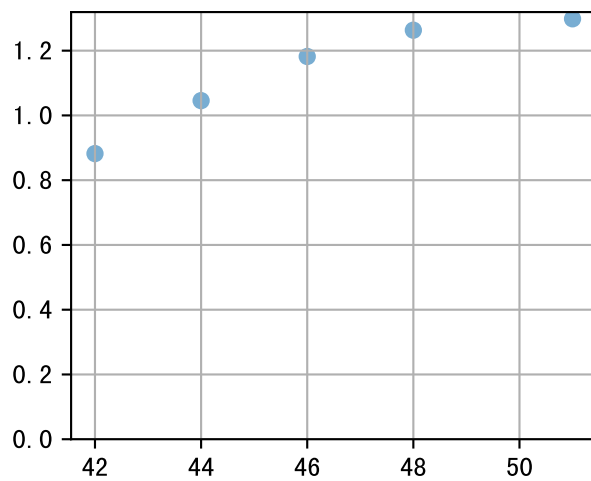
By Plant/Organ Age



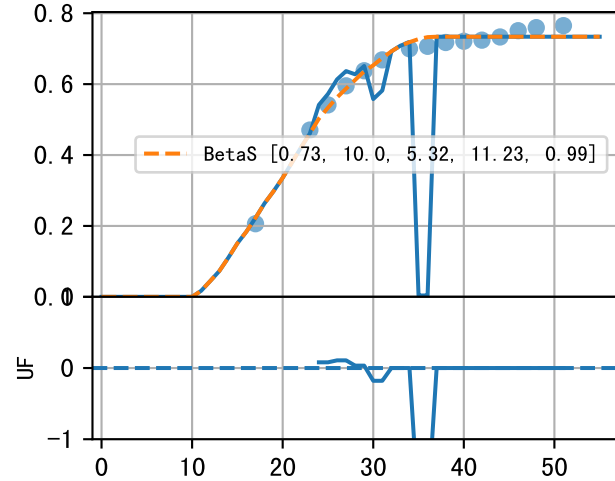
P6AE-007-10L13 (fit failed)



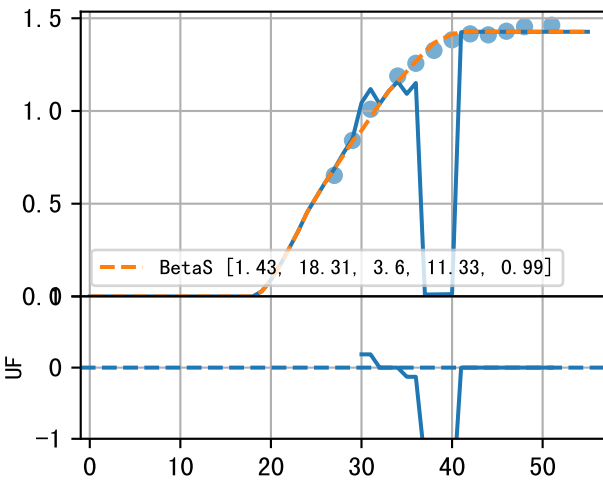
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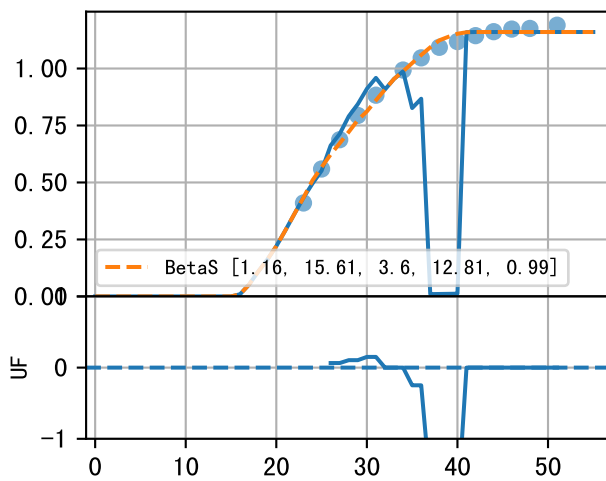
P6AE-007-10L6 (fit failed)



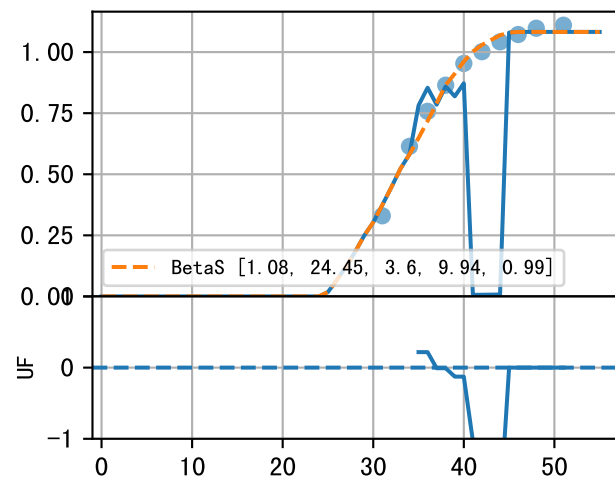
P6AE-007-10L9 (fit failed)



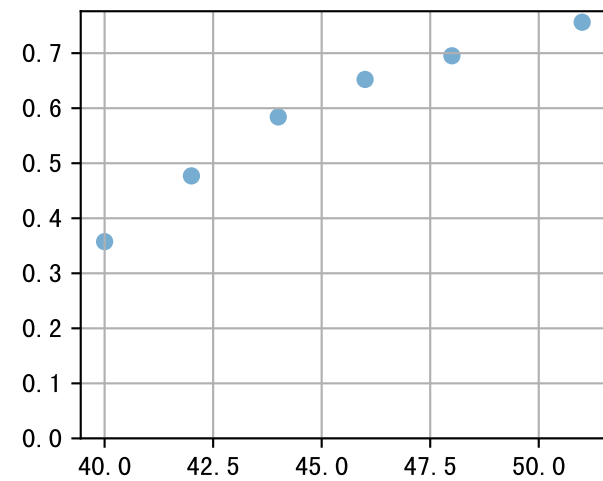
P6AE-014-17L11 (fit failed)



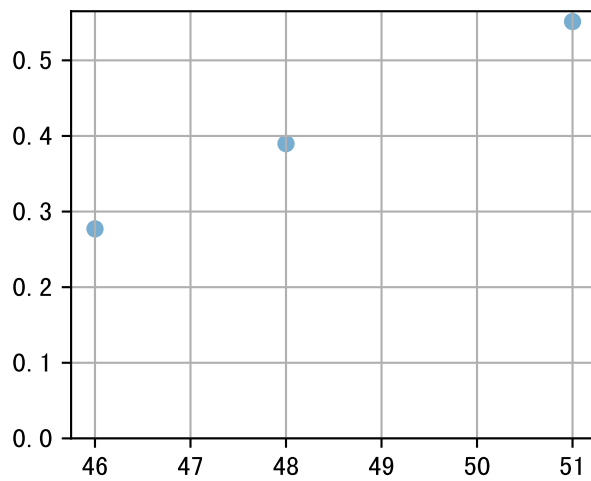
P6AE-014-17L14



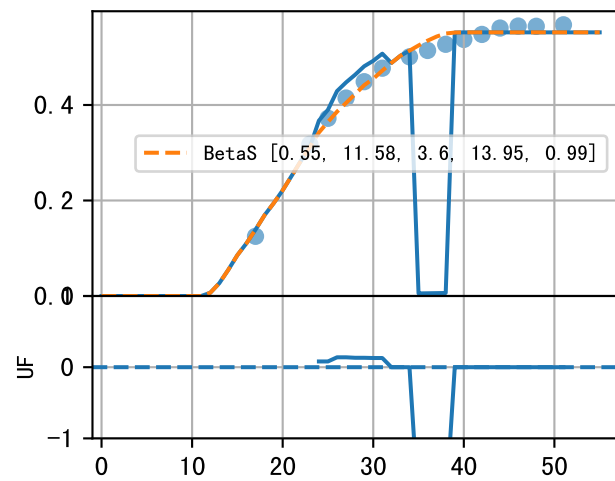
P6AE-014-17L17 (fit failed)



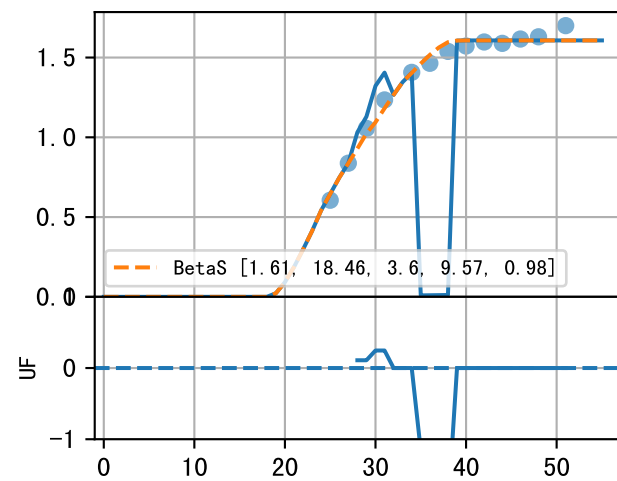
P6AE-014-17L19 (fit failed)



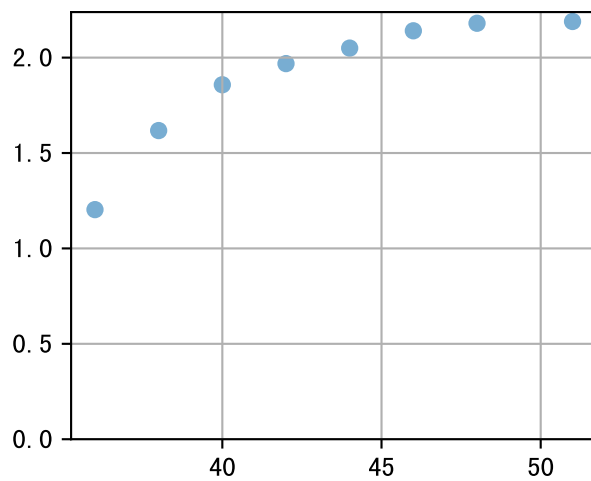
P6AE-014-17L8



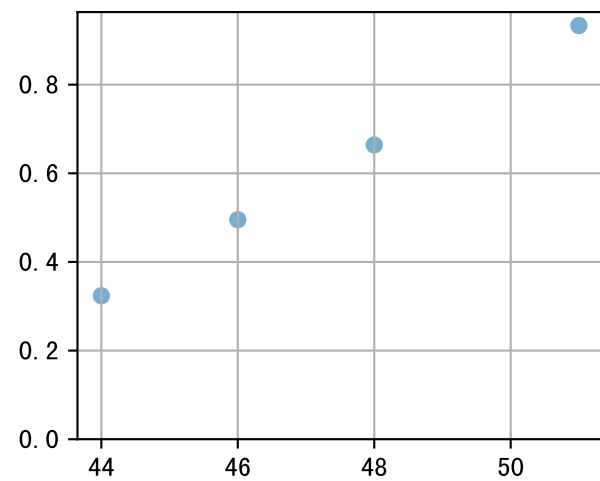
P6AE-026-25L10



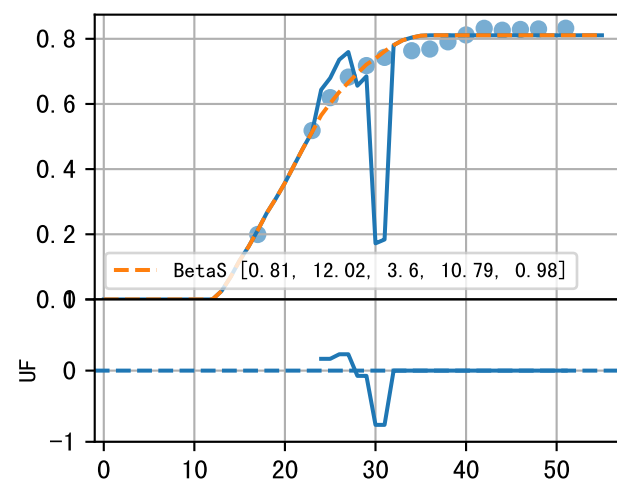
P6AE-026-25L13 (fit failed)



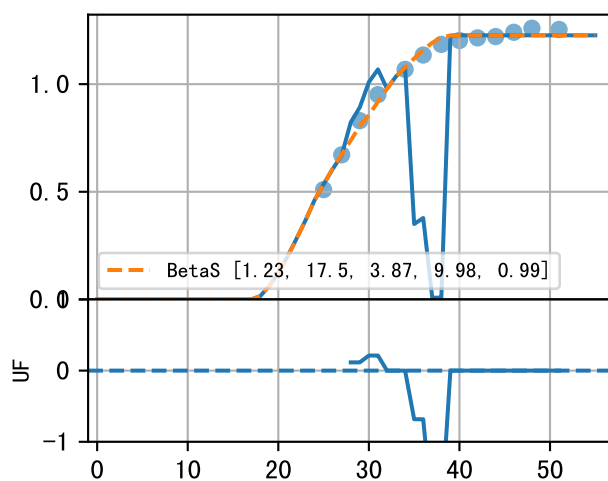
P6AE-026-25L16 (fit failed)



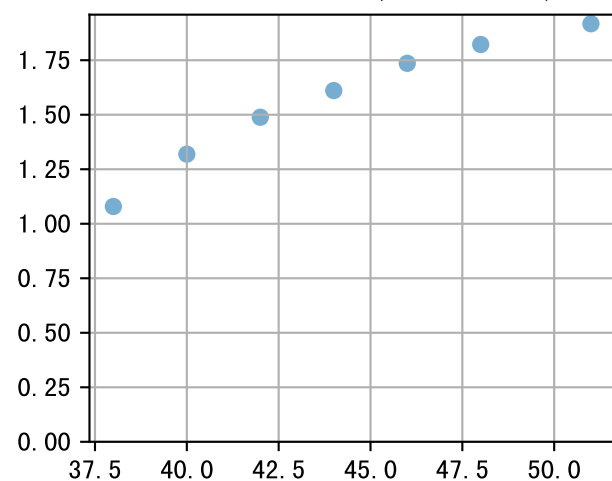
P6AE-026-25L7



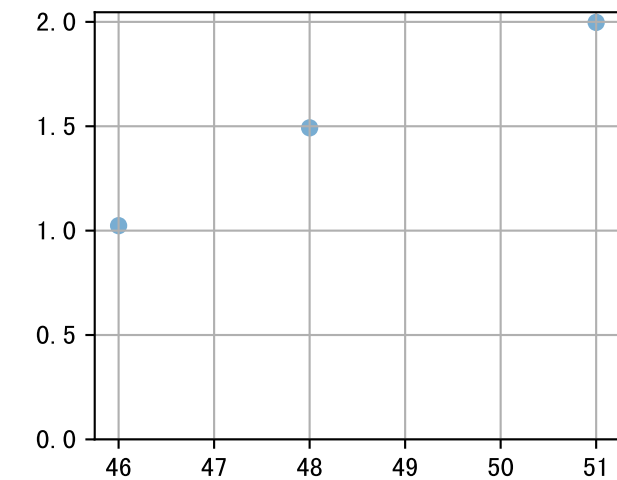
P6AE-033-4L10



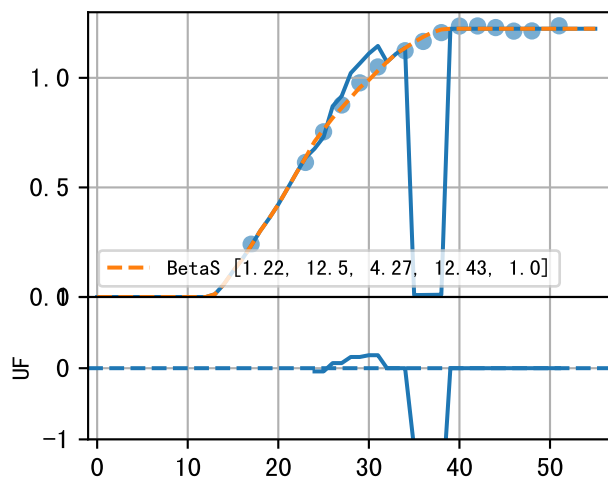
P6AE-033-4L15 (fit failed)



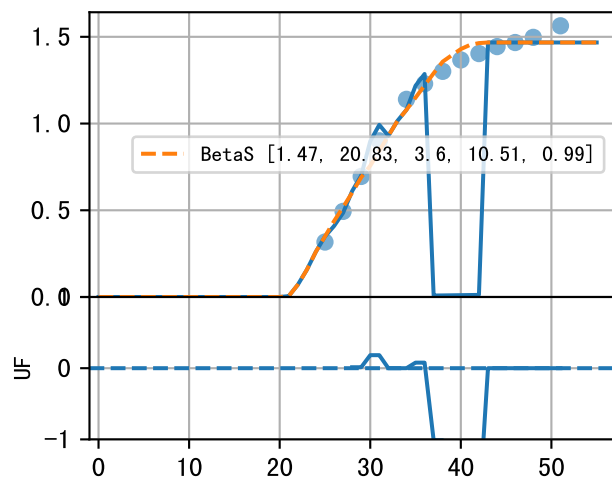
P6AE-033-4L18 (fit failed)



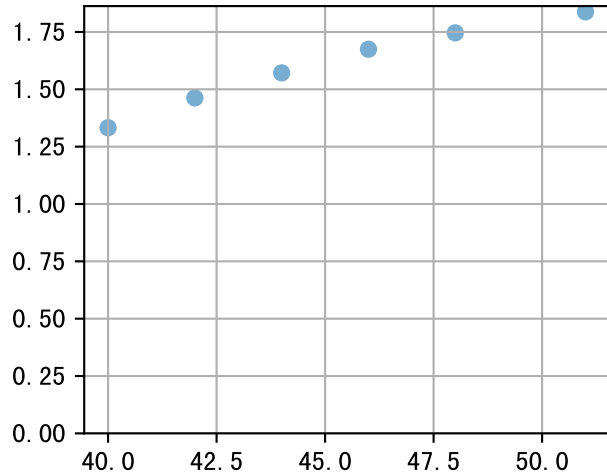
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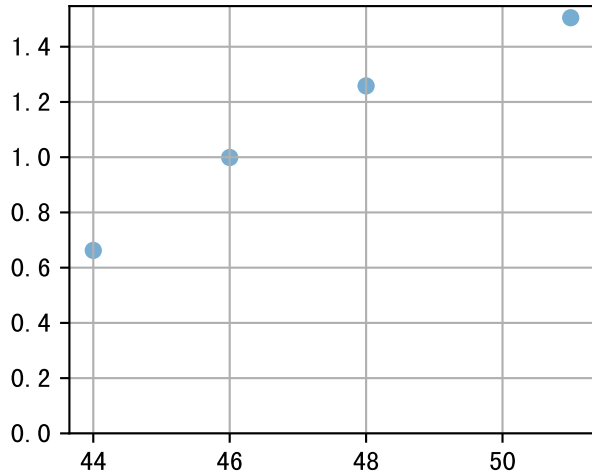
P6AE-045-12L10



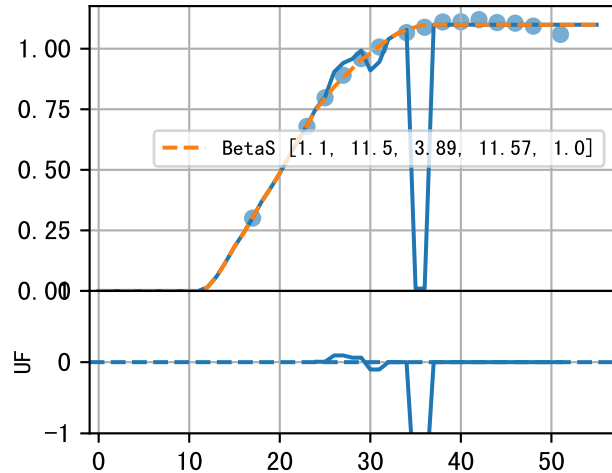
P6AE-045-12L14 (fit failed)

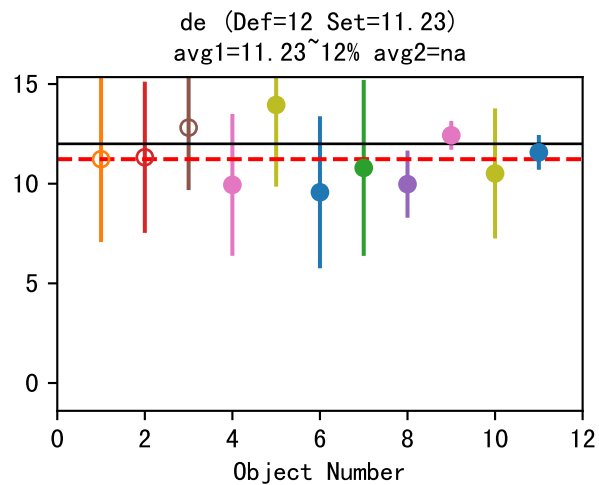
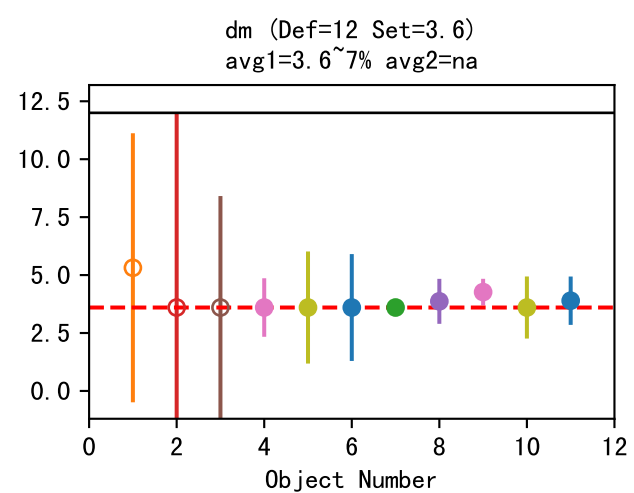
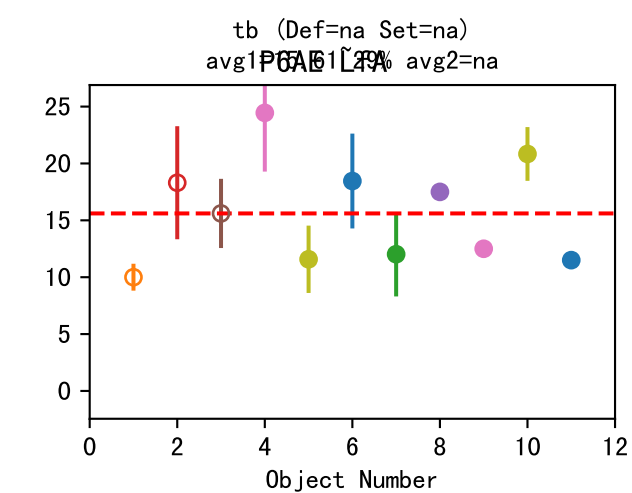
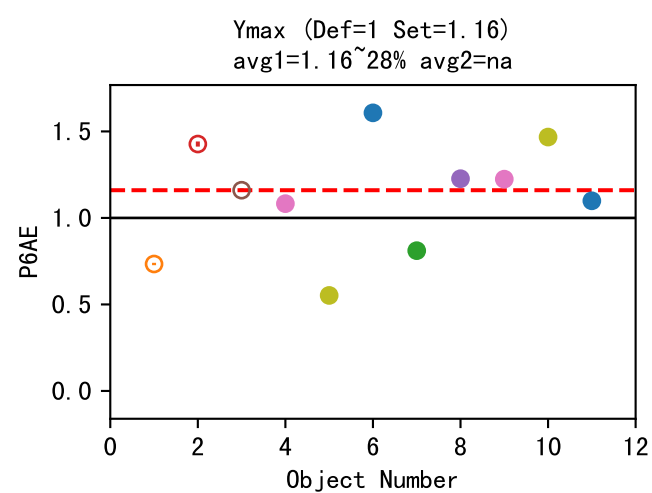


P6AE-045-12L17 (fit failed)

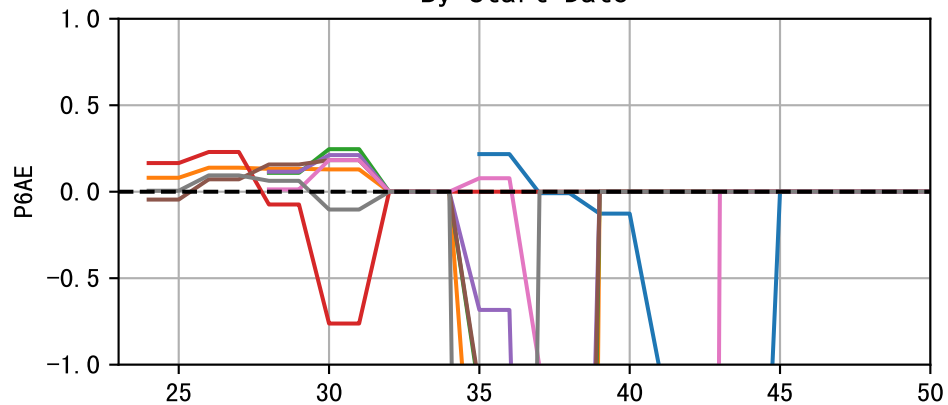


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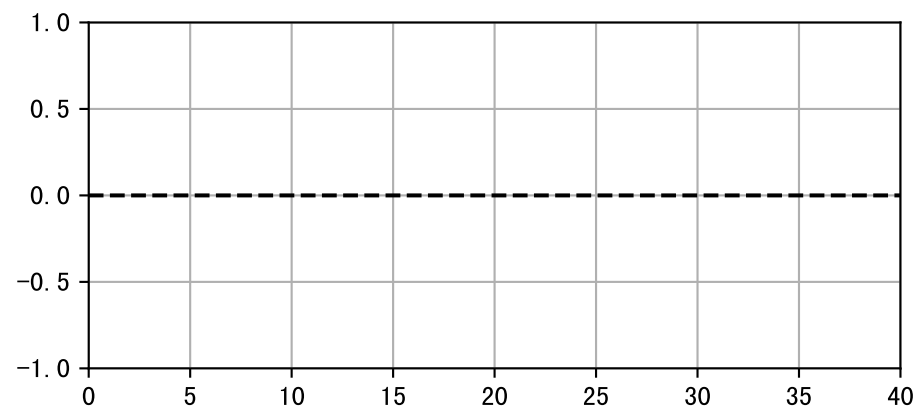
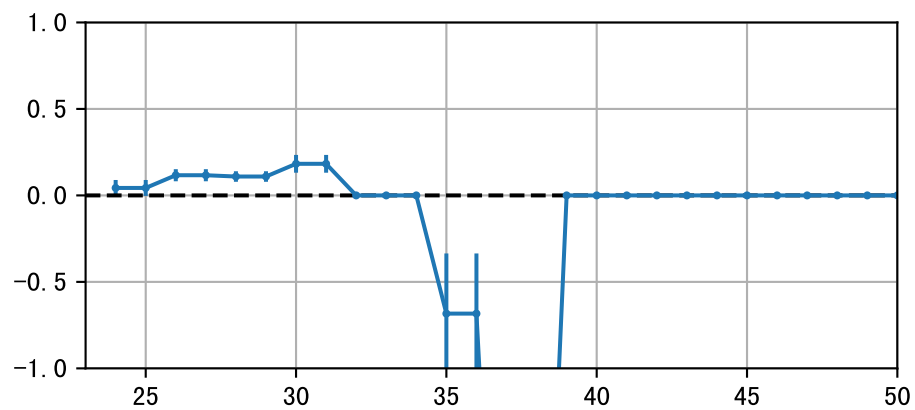
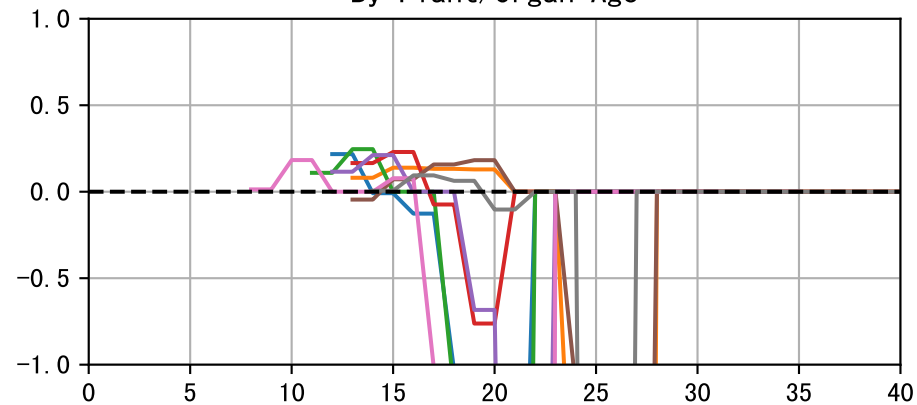


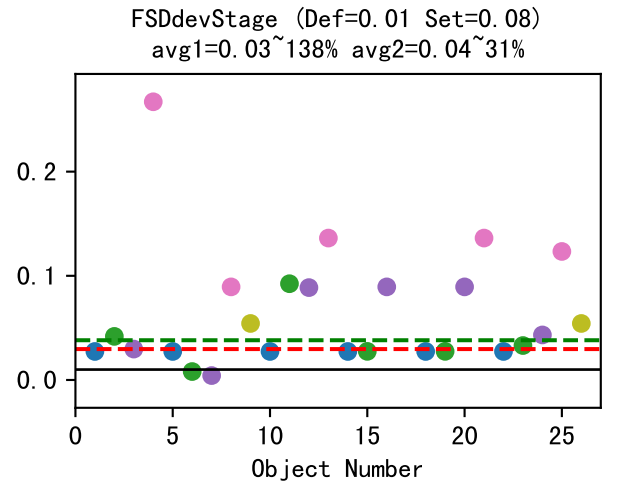
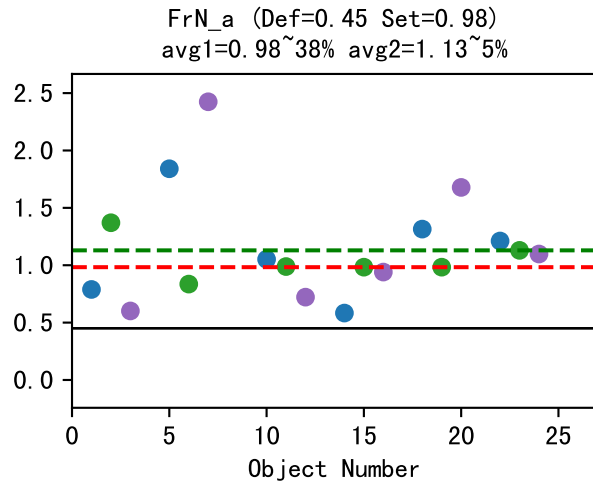
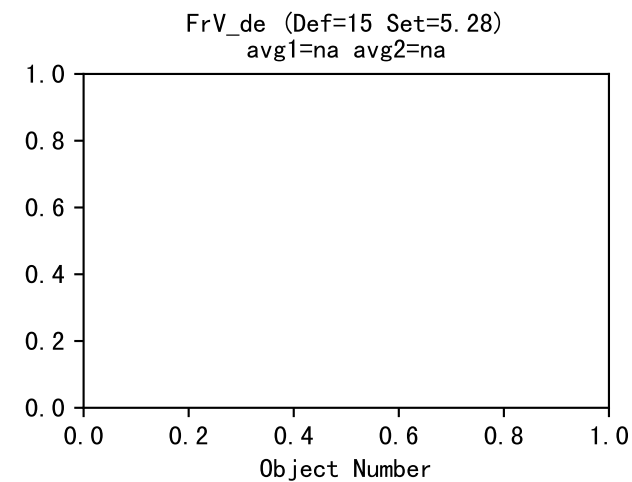
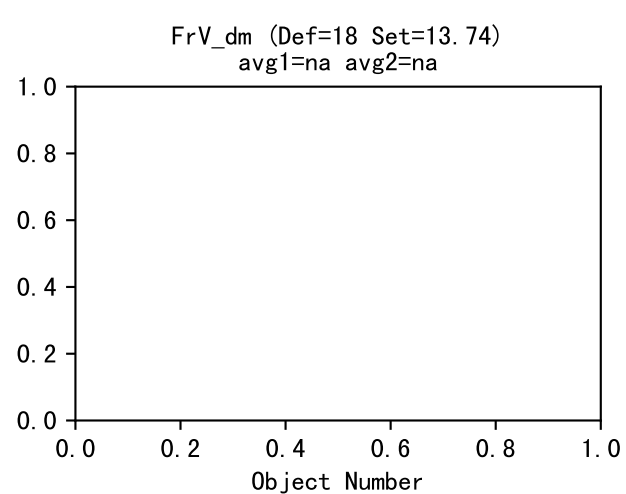
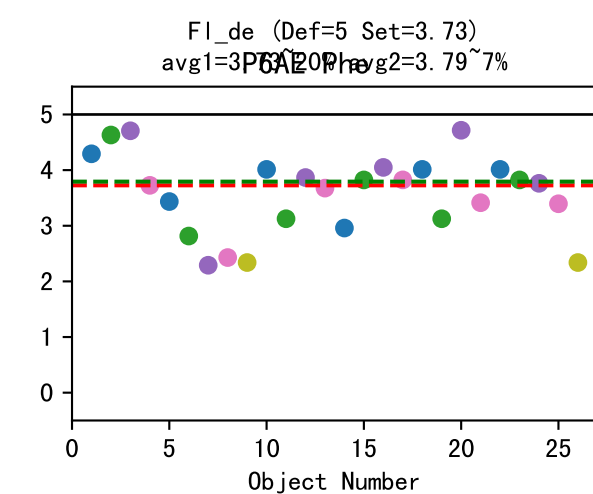
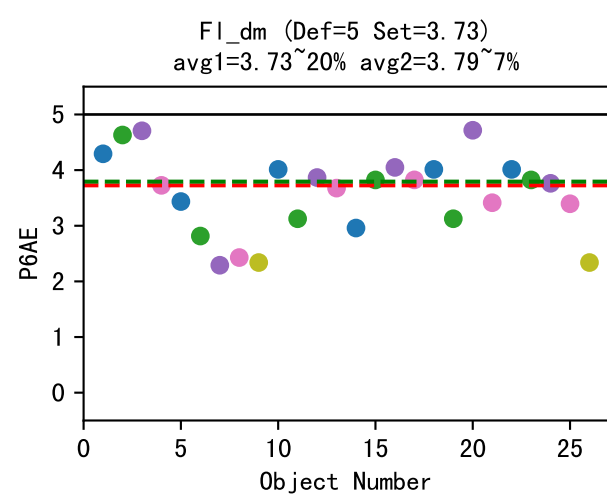


By Start Date

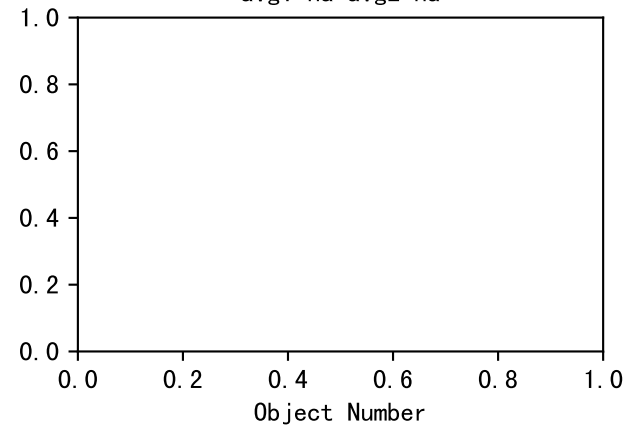


By Plant/Organ Age

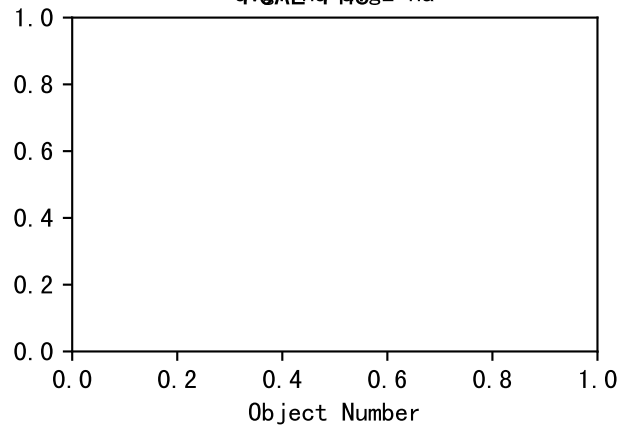




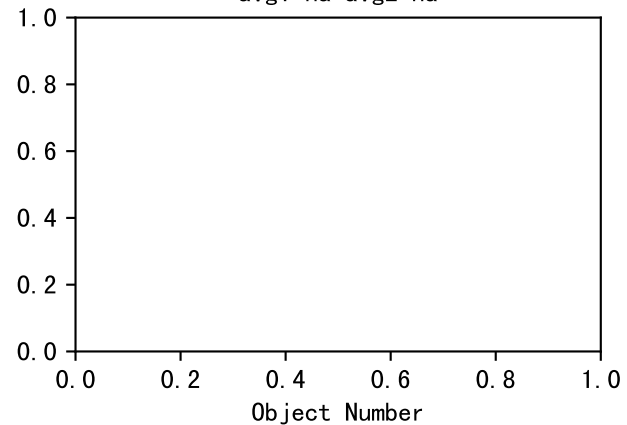
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



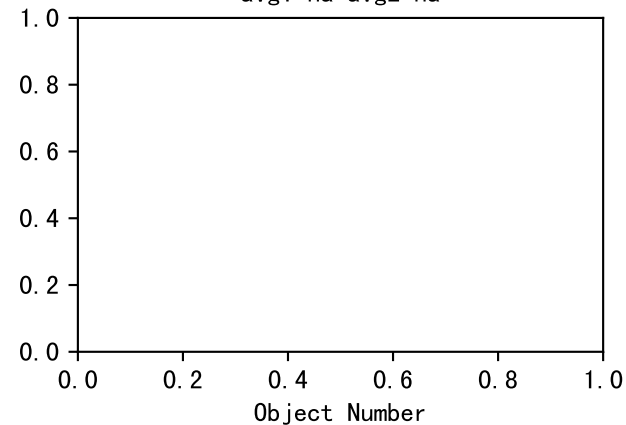
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



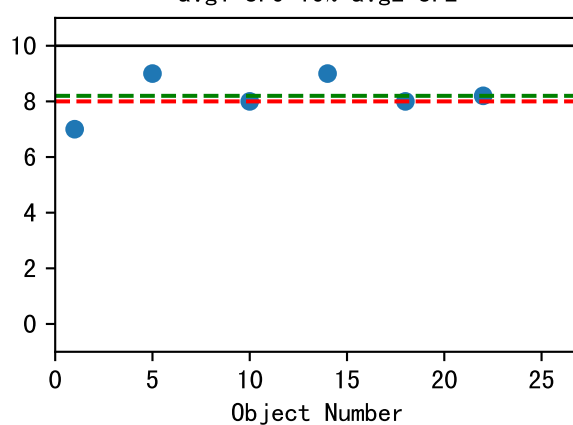
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

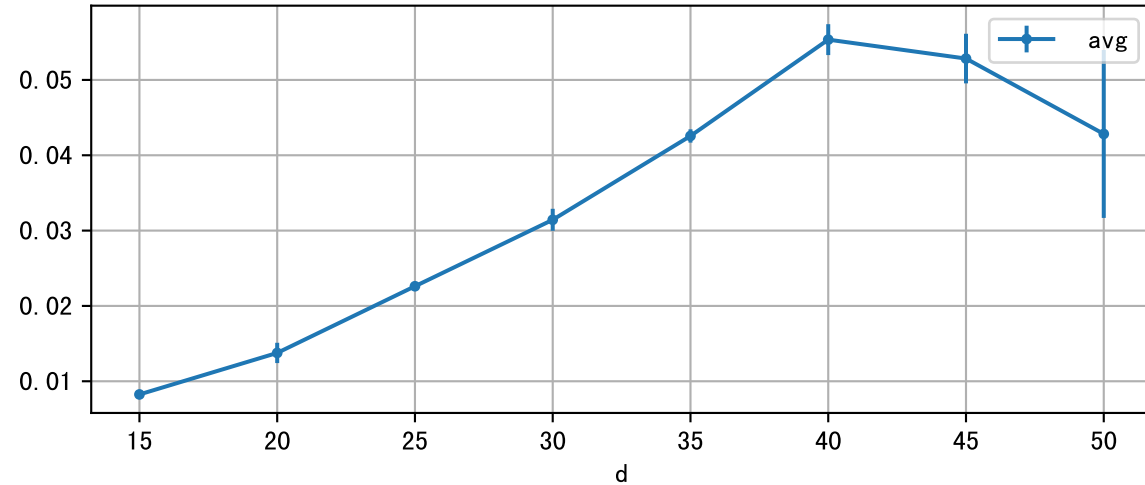


NNgen (Def=10 Set=8)
avg1=8.0~10% avg2=8.2

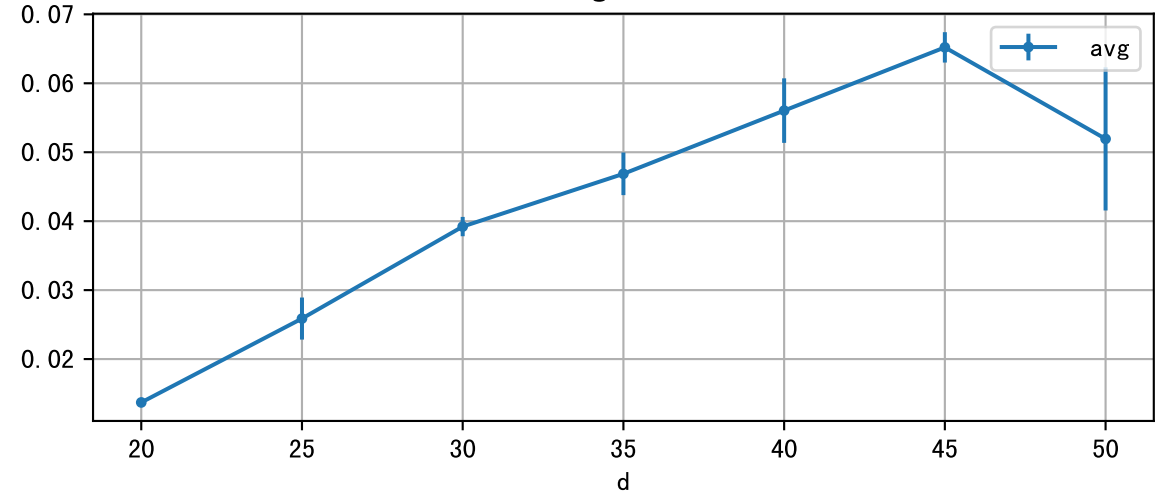


LfA: avg vs. d at each age group

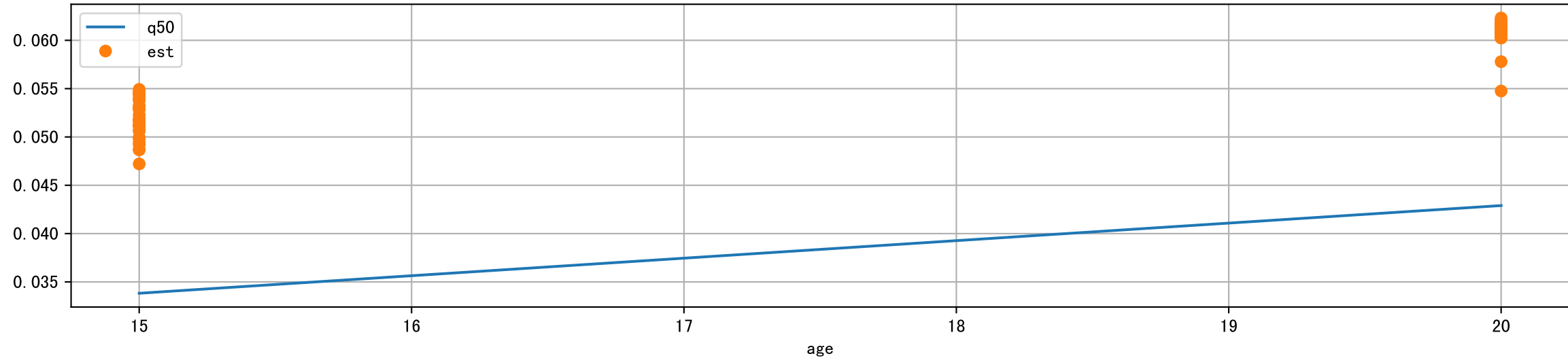
age=15



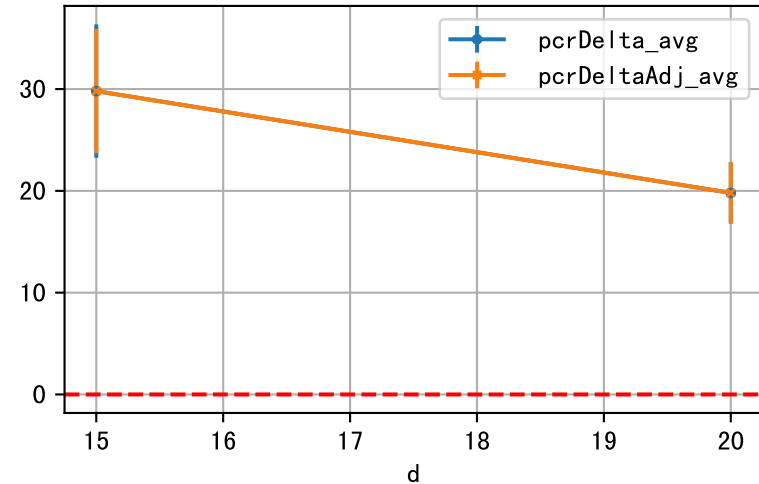
age=20



LfA: model est vs obs0v@Q50

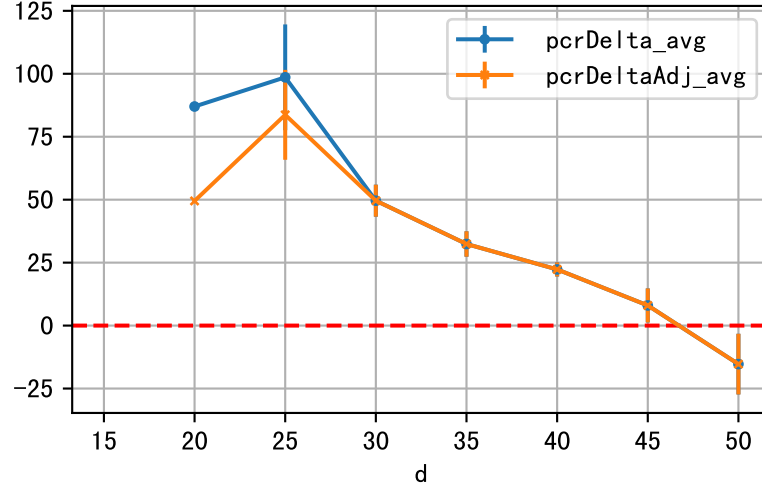


DeltaTypeAbbr=GrpByAge

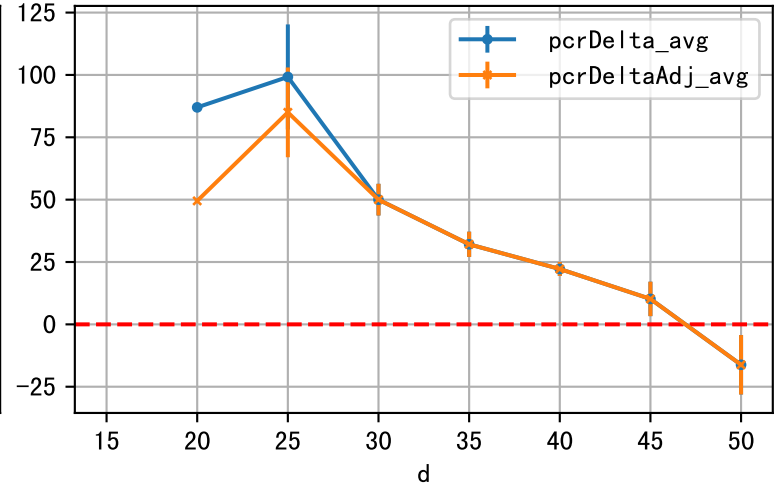


P6AE LfA: D_5d_LfA

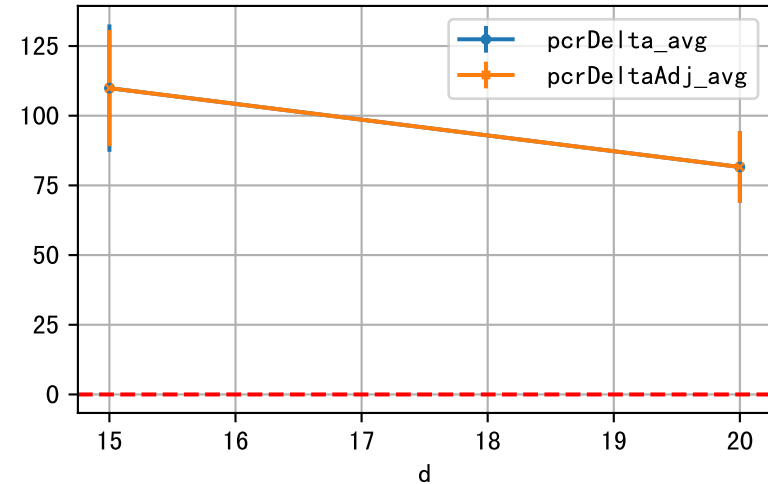
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

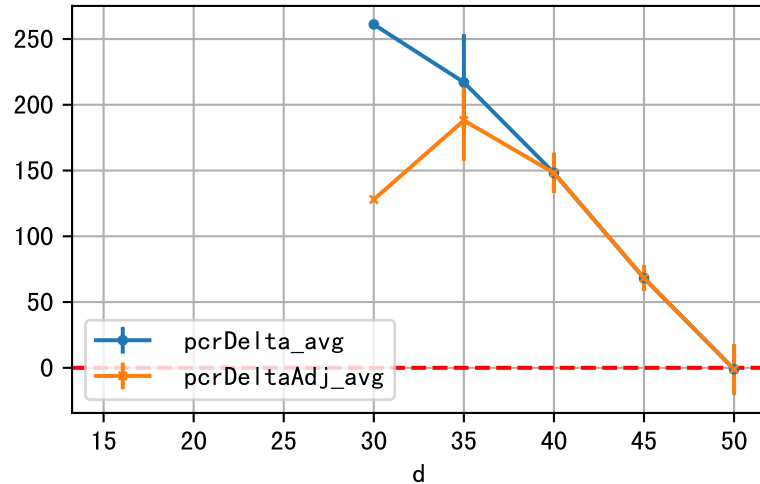


DeltaTypeAbbr=GrpByAge

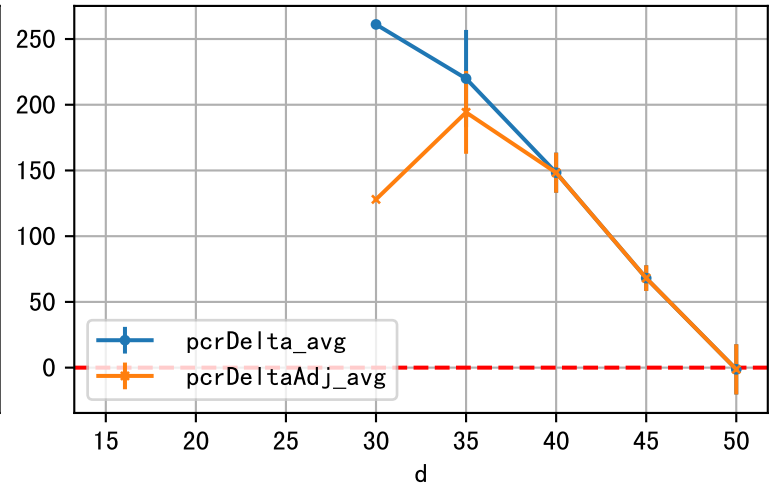


P6AE LfA: D_15d_LfA

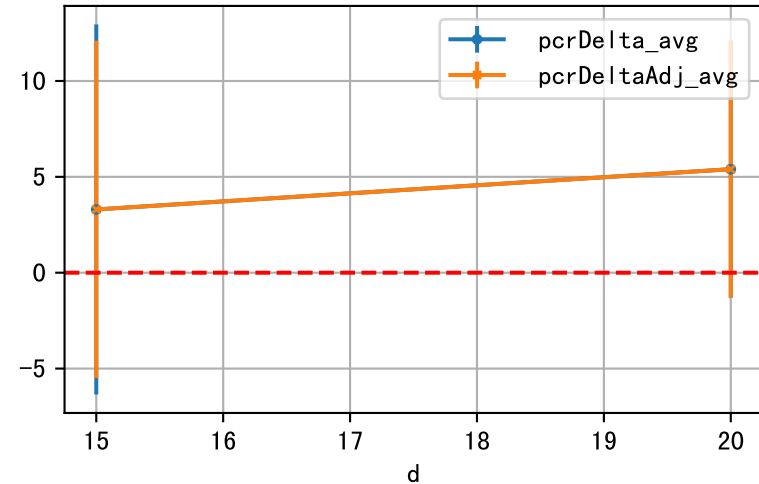
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

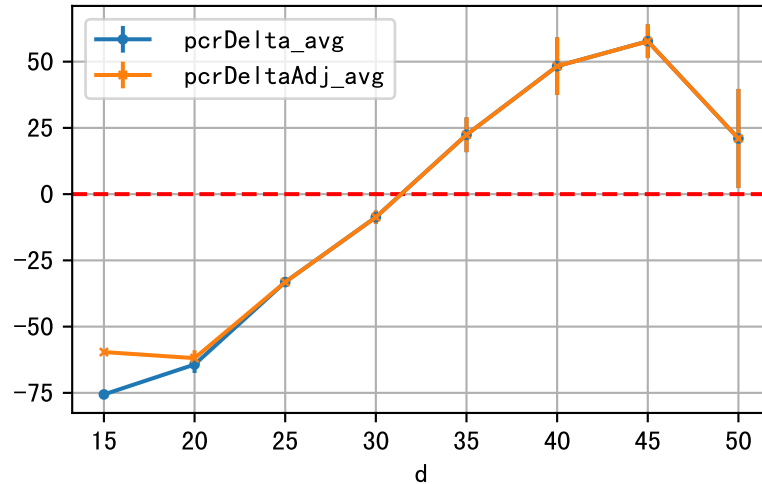


DeltaTypeAbbr=GrpByAge

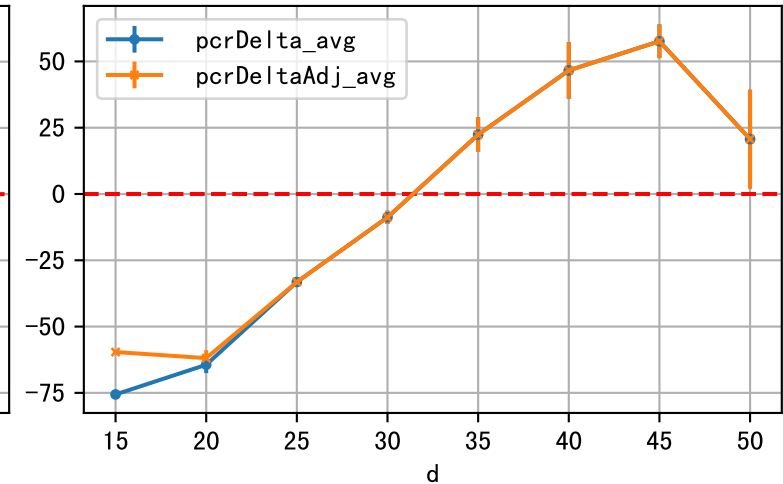


P6AE LfA: D_Q50_LfA

DeltaTypeAbbr=GrpByDay

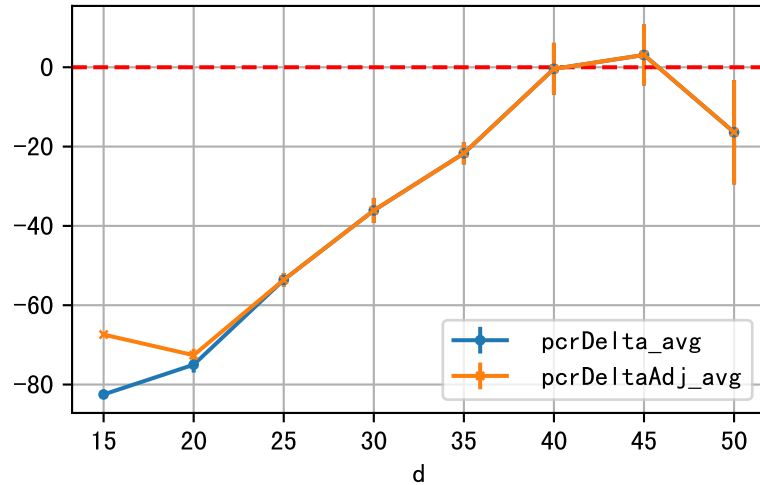


DeltaTypeAbbr=Wei AvgByD

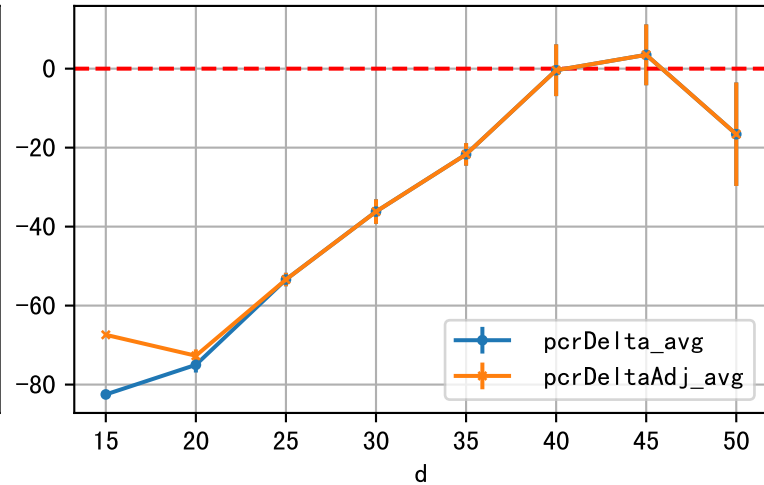


P6AE LfA: D_Est_LfA

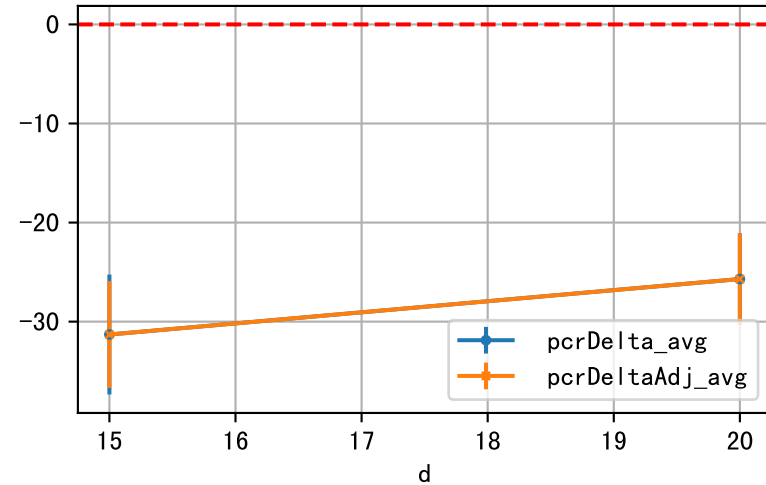
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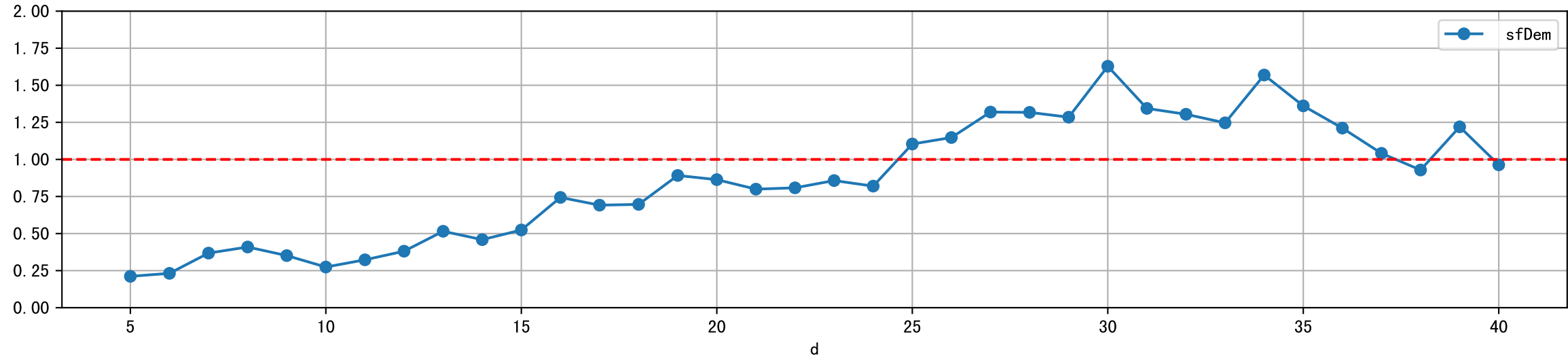
DeltaTypeAbbr=Wei AvgByD

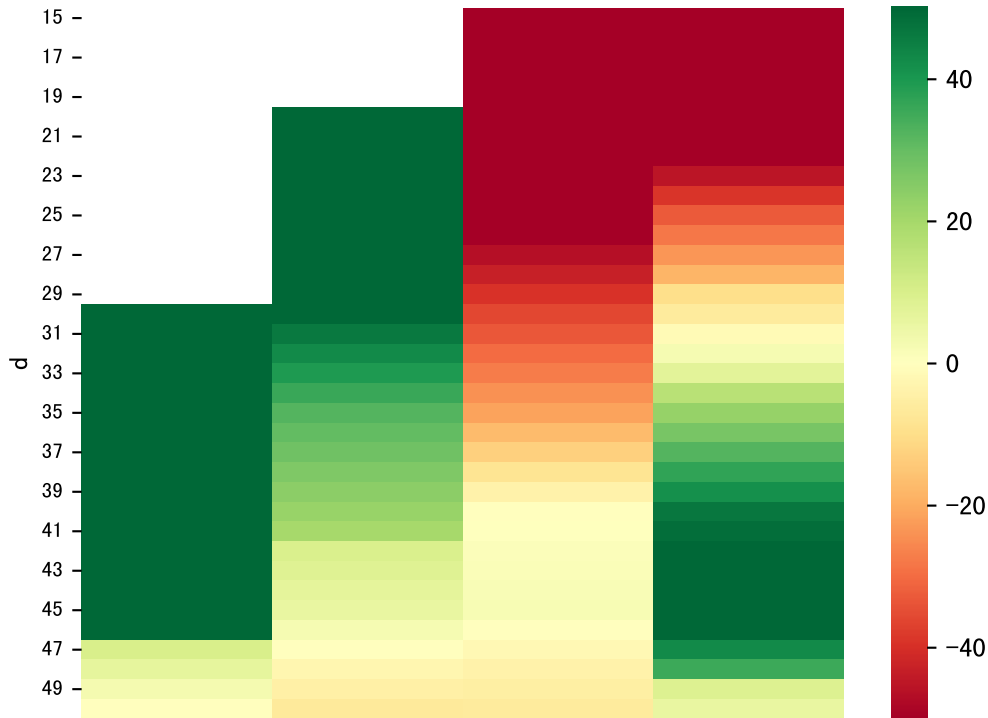


DeltaTypeAbbr=GrpByAge



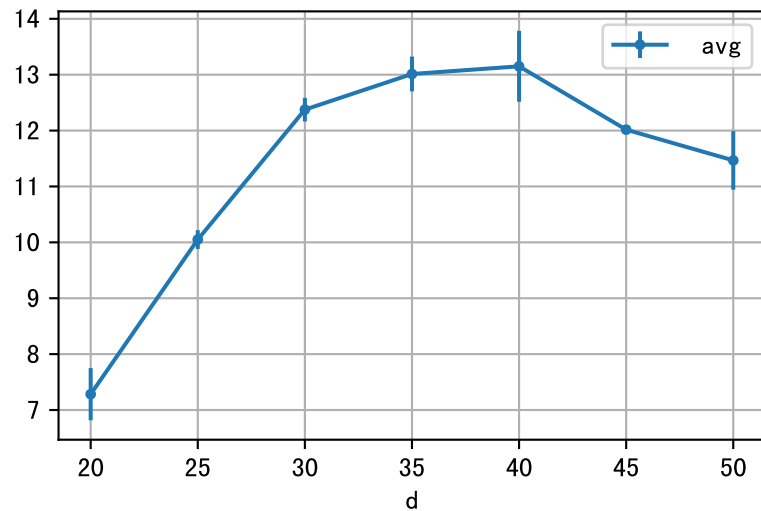
LfA: sfDem



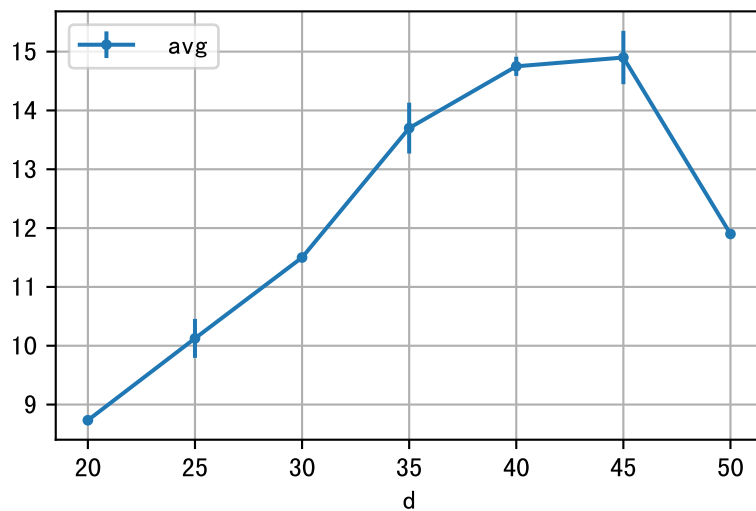


NdD: avg vs. d at each age group

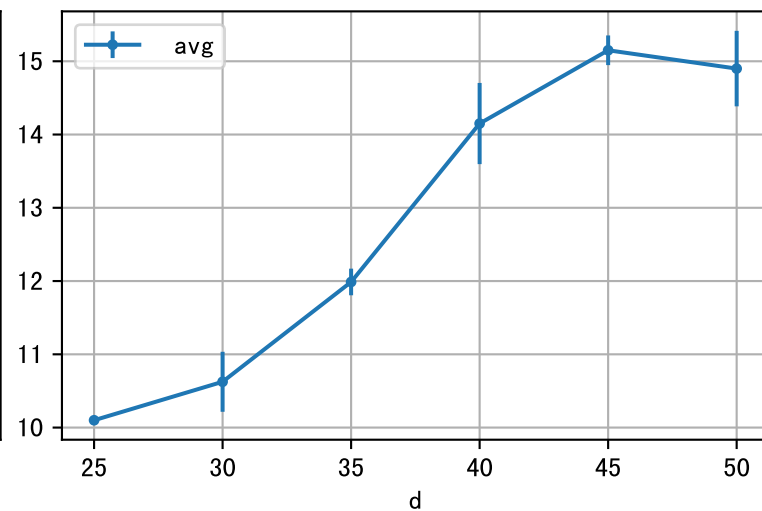
age=15



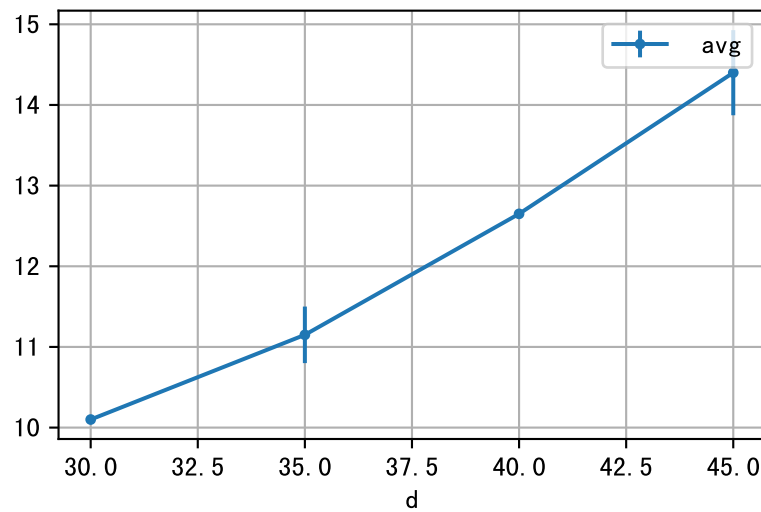
age=20



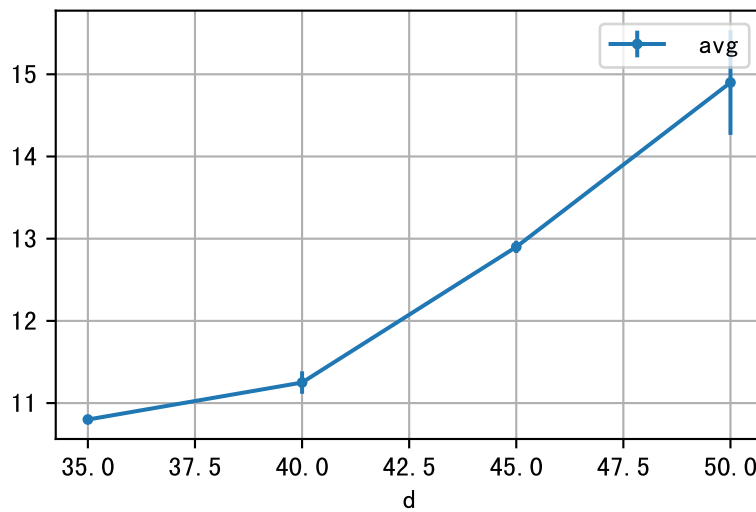
age=25



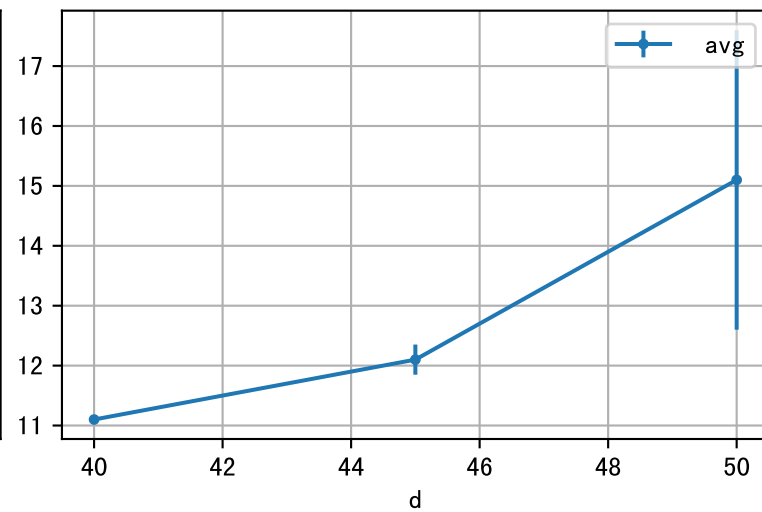
age=30



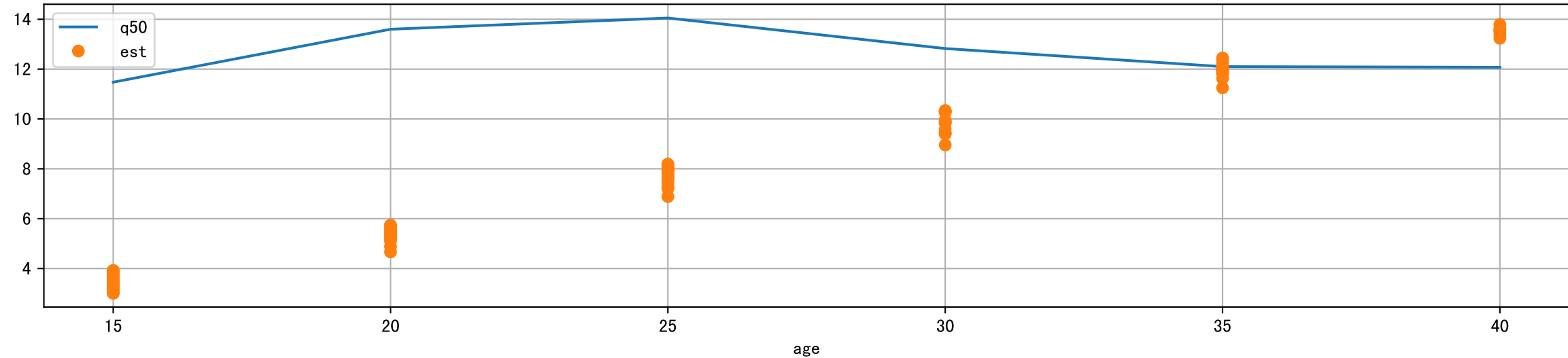
age=35



age=40

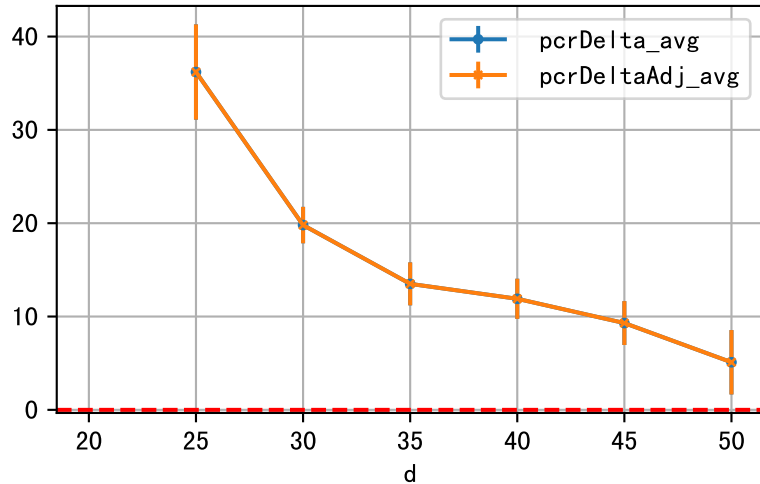


NdD: model est vs obs0v@Q50

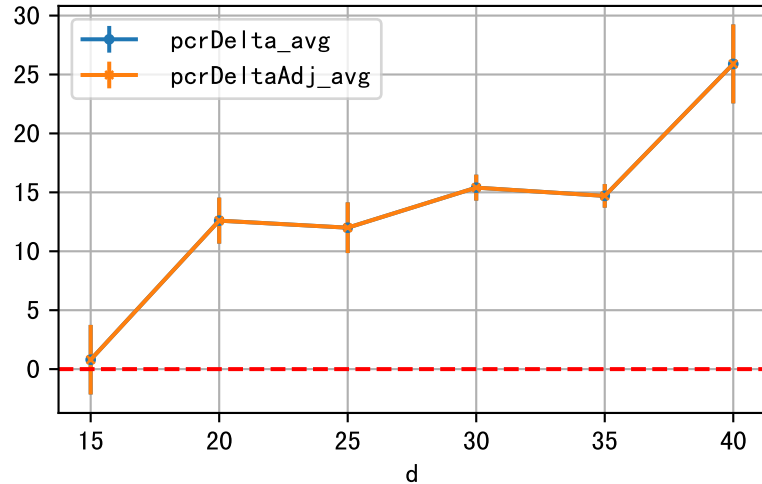


P6AE NdD: D_5d_NdD

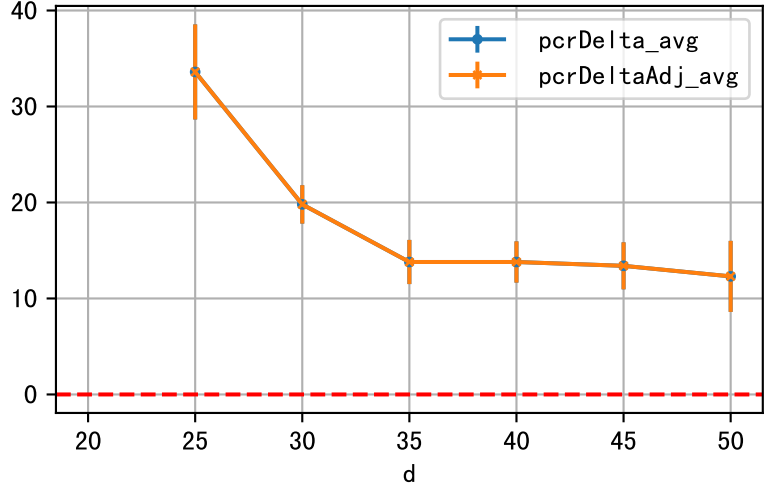
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

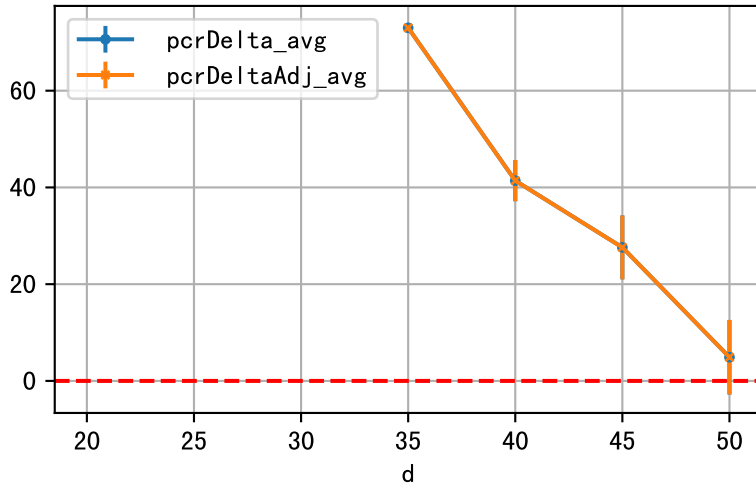
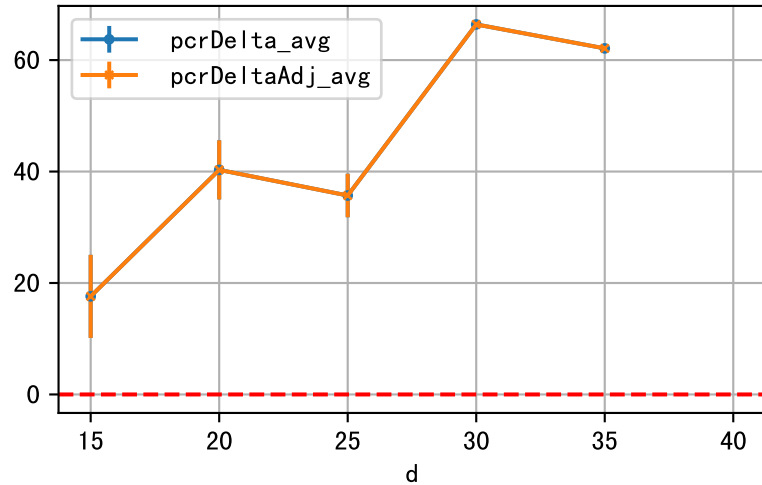


DeltaTypeAbbr=WeiAvgByD

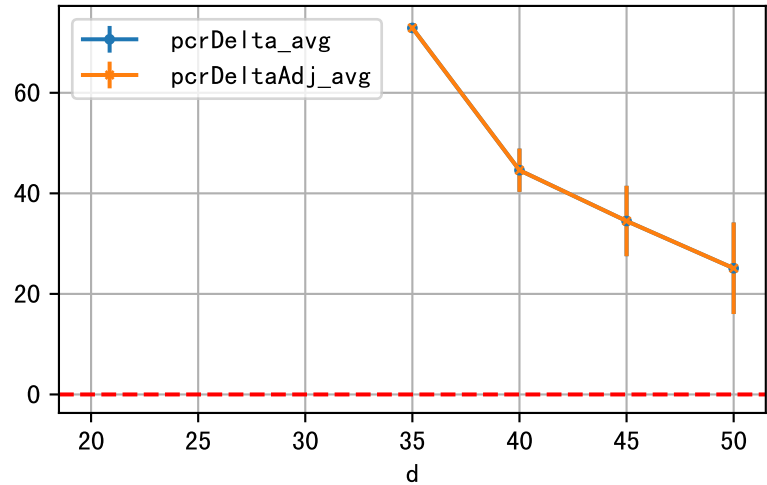


P6AE NdD: D_15d_NdD

DeltaTypeAbbr=GrpByDay

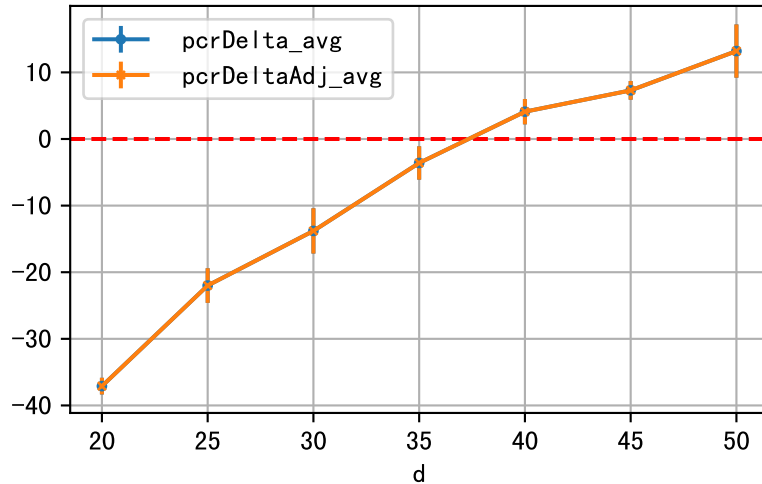


DeltaTypeAbbr=WeiAvgByD

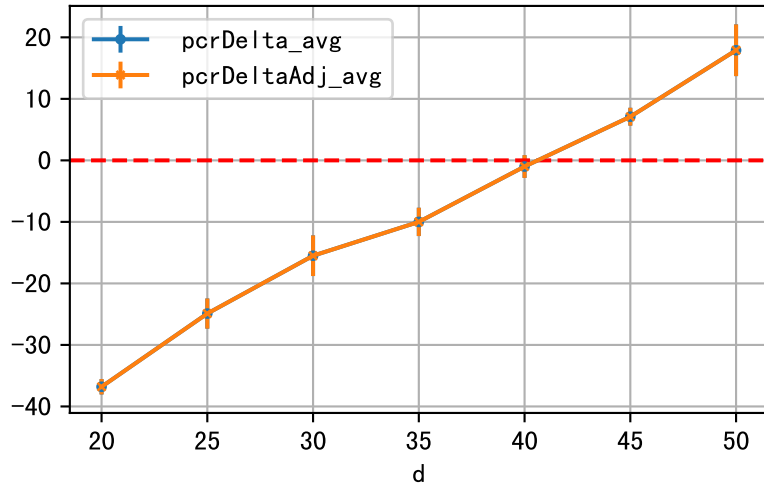


P6AE NdD: D_Q50_NdD

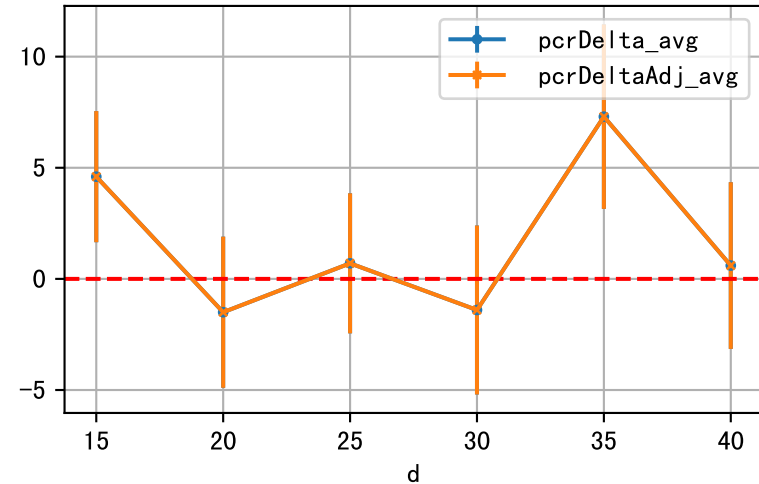
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

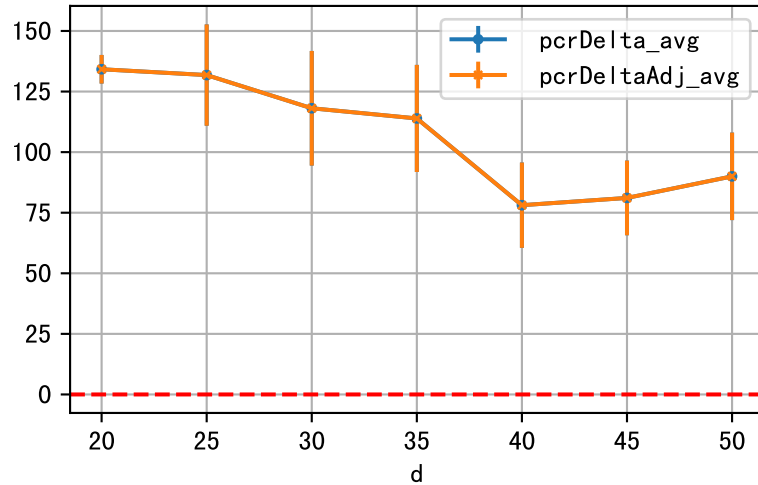


DeltaTypeAbbr=GrpByAge

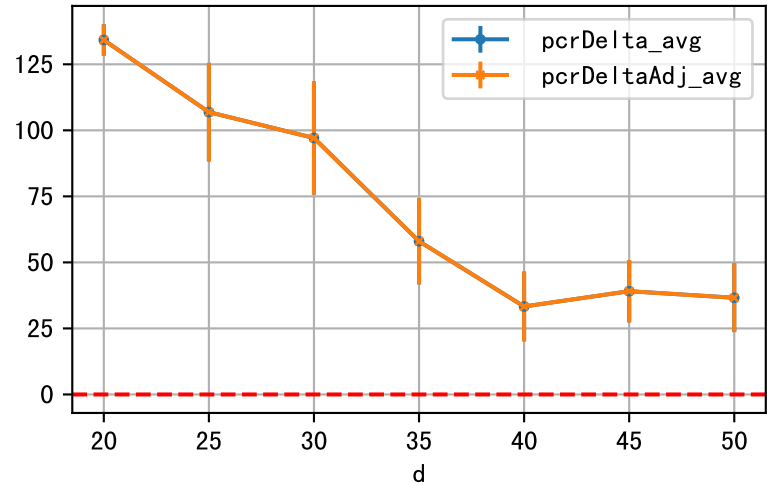


P6AE NdD: D_Est_NdD

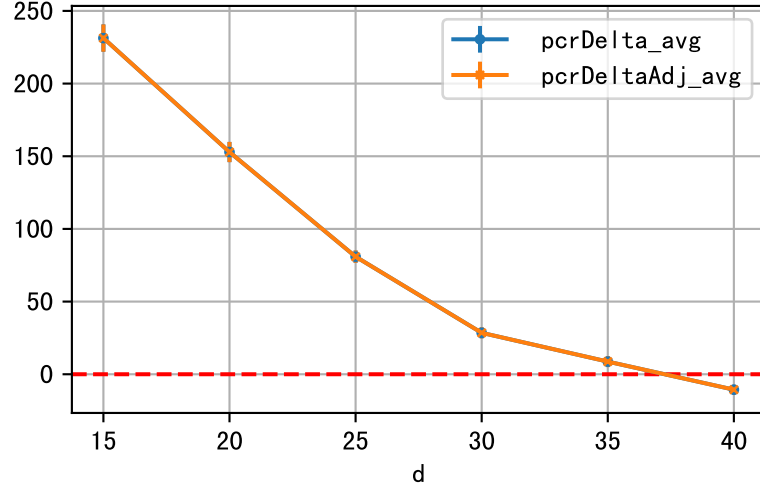
DeltaTypeAbbr=GrpByDay



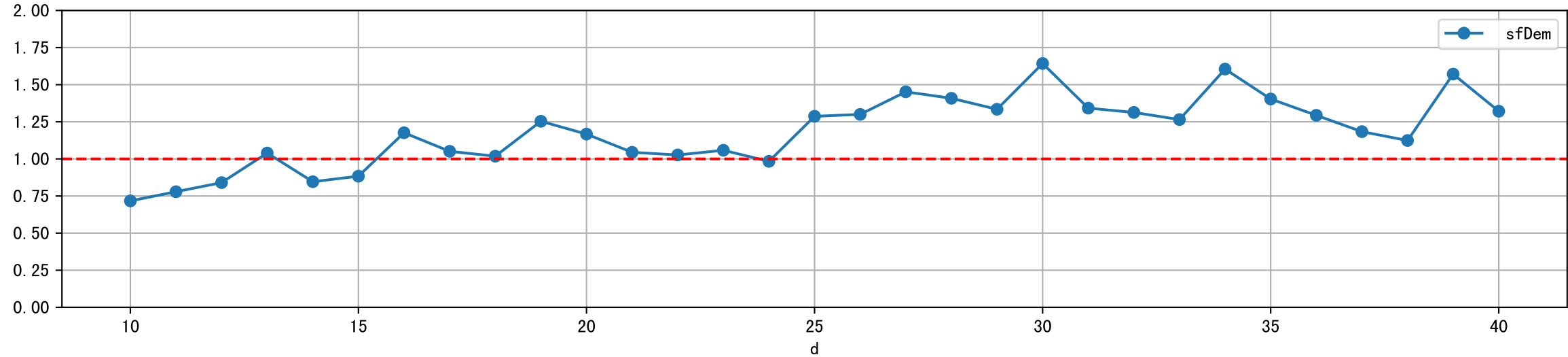
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

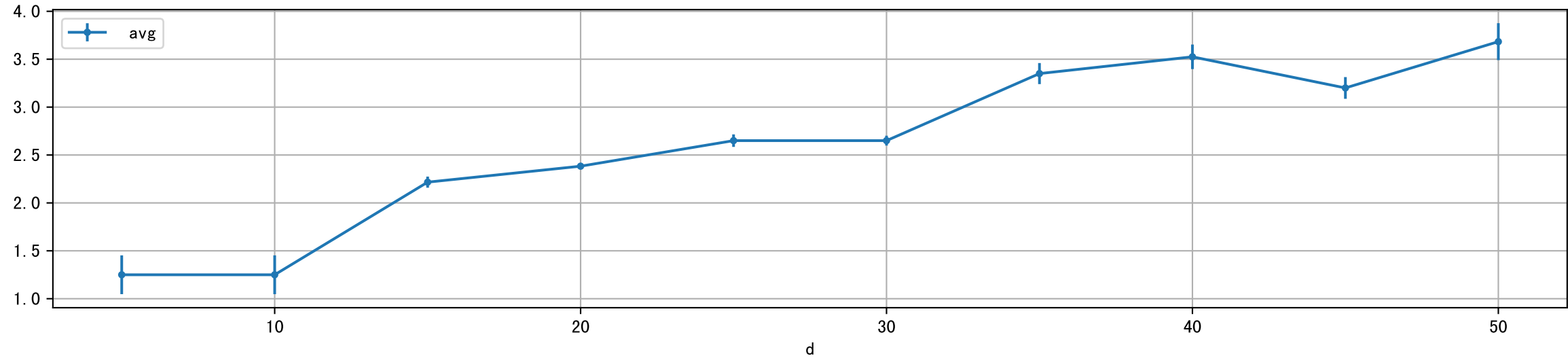


NdD: sfDem

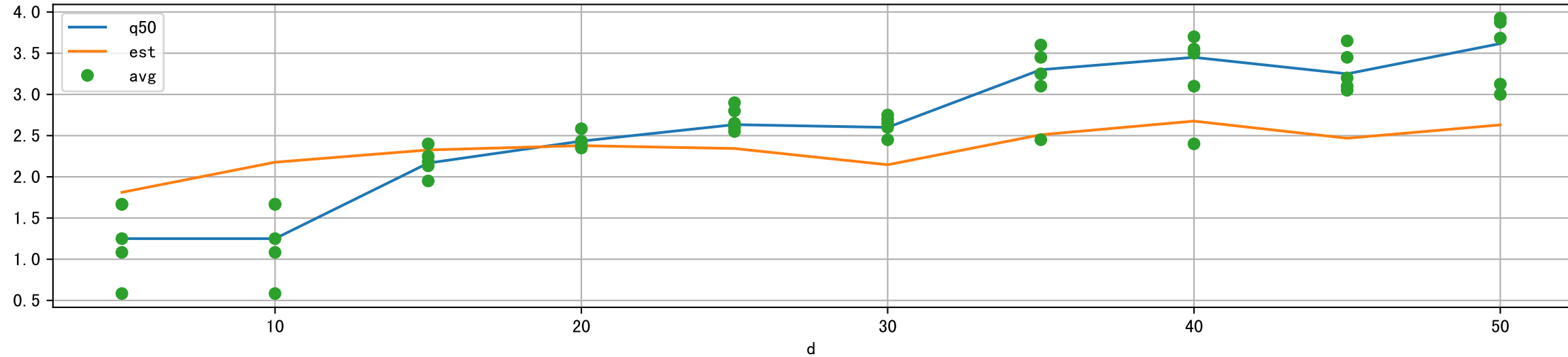




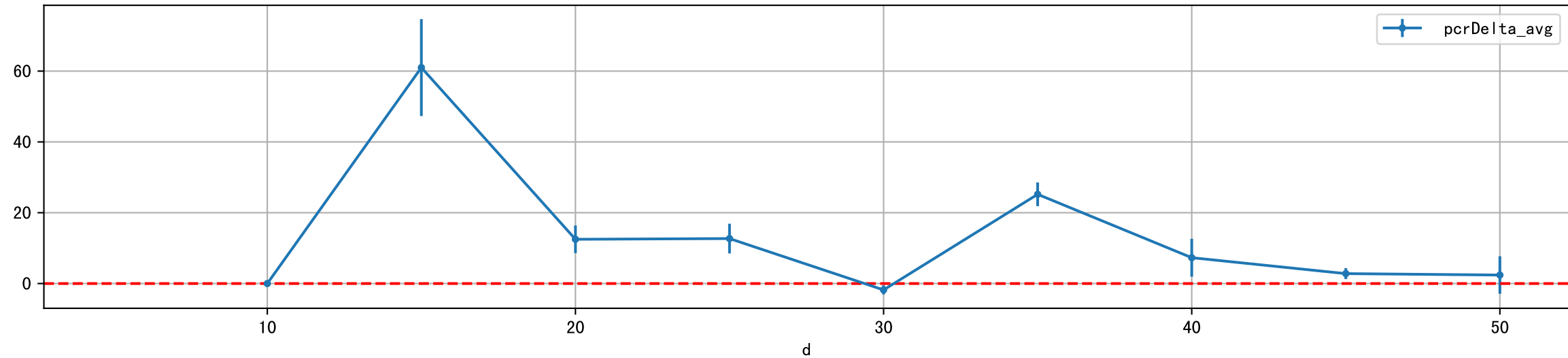
dStH: avg vs. d



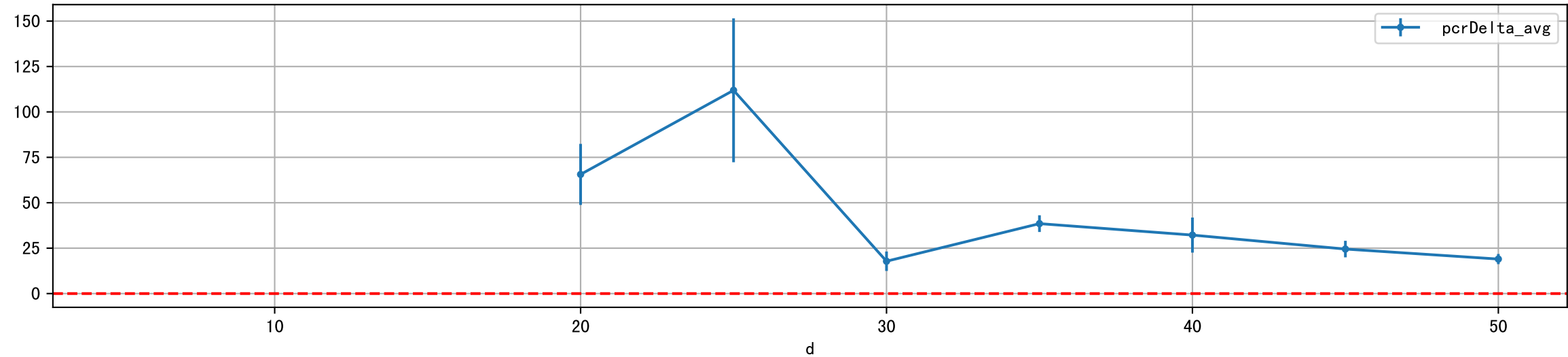
dStH: obsAvg vs obs0v@Q50



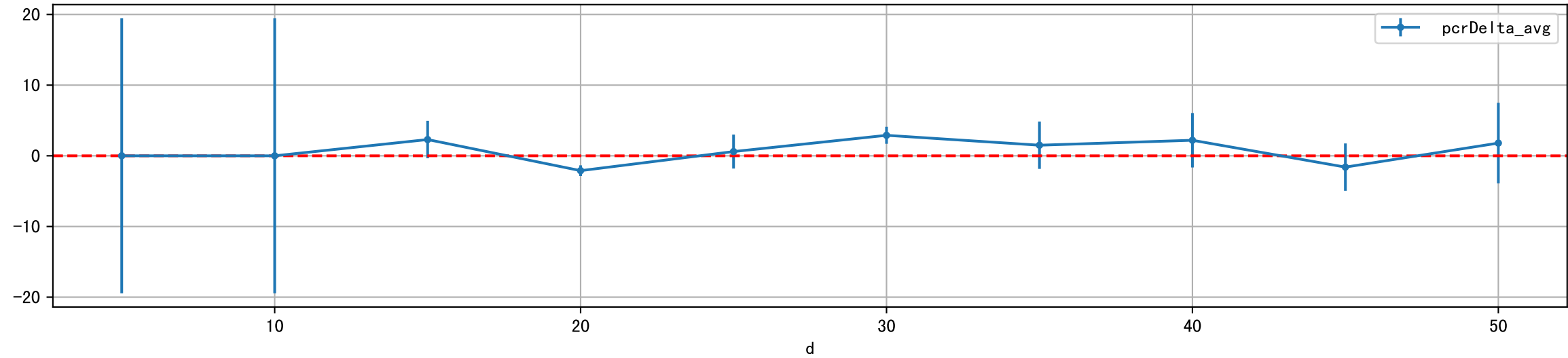
dStH: D_5d_StH



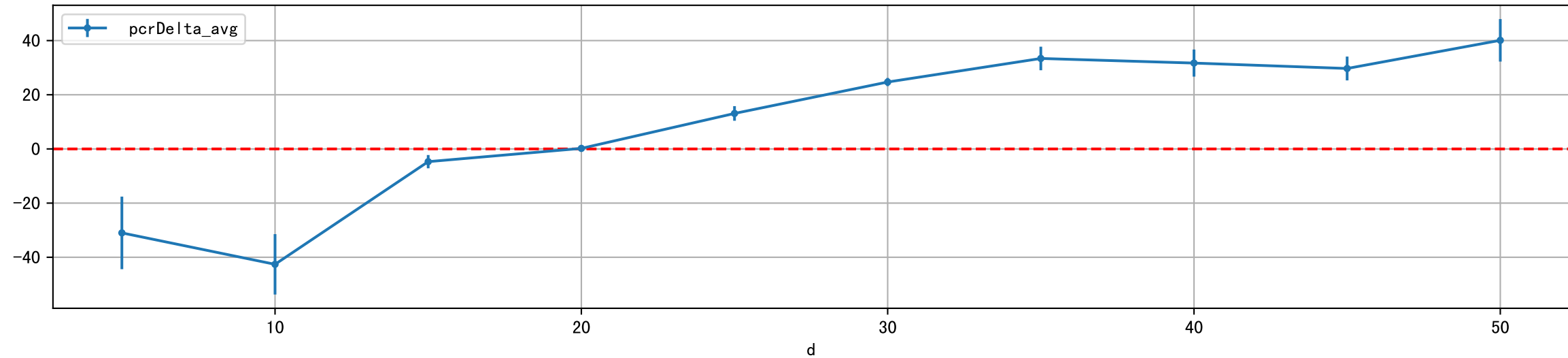
dStH: D_15d_StH



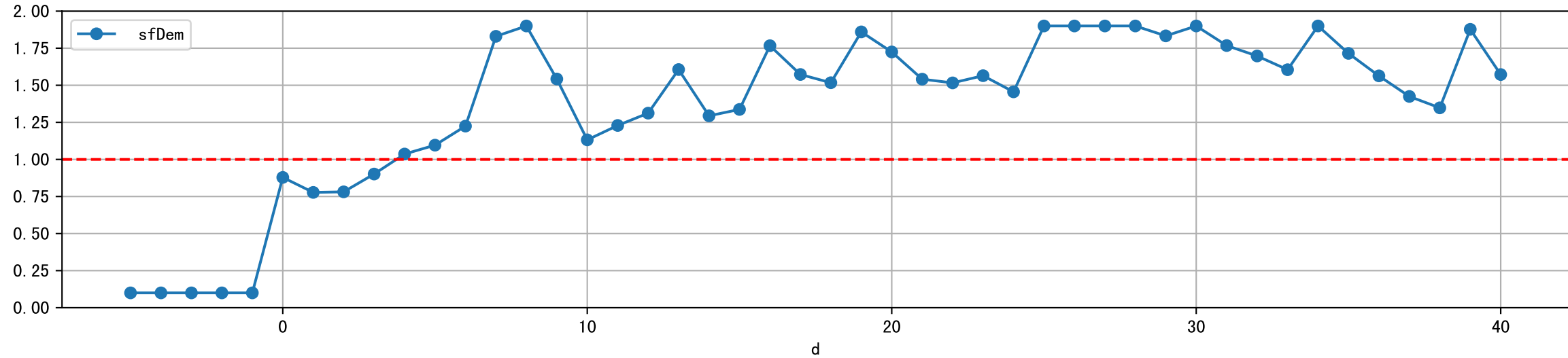
dStH: D_Q50_StH



dStH: D_Est_StH



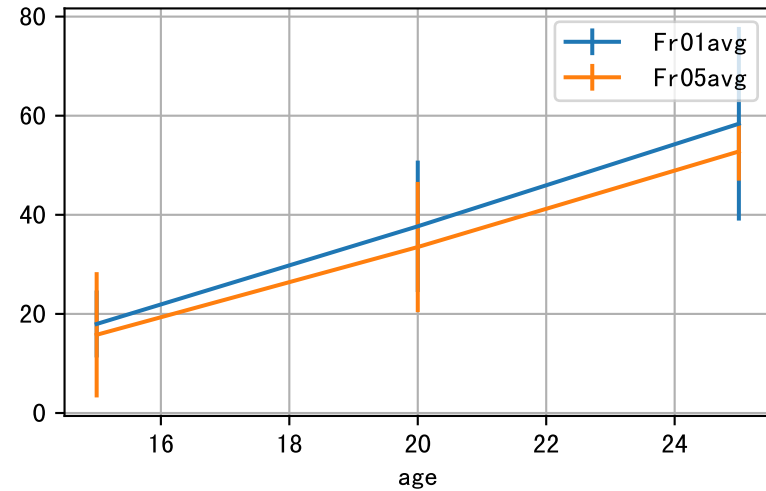
dStH: sfDem



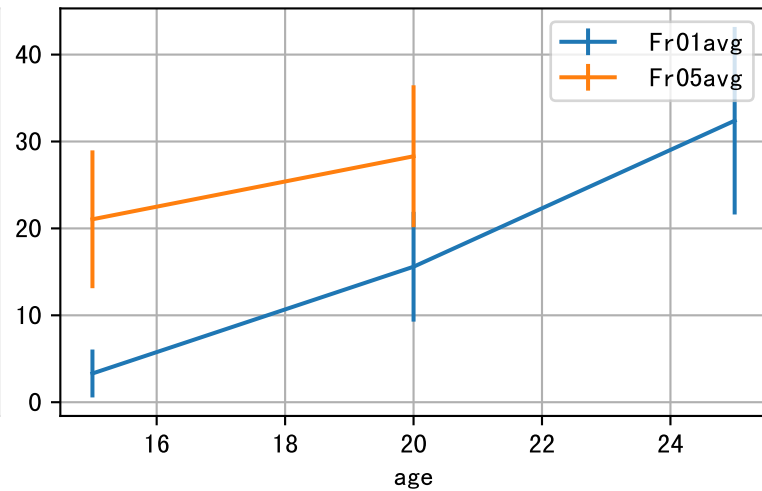


FrV: Fr01 vs Fr05 at each truss

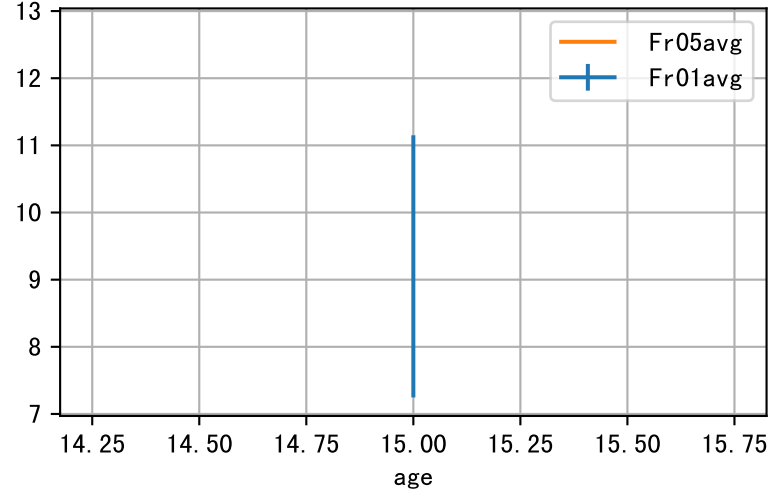
organID=T01



organID=T02

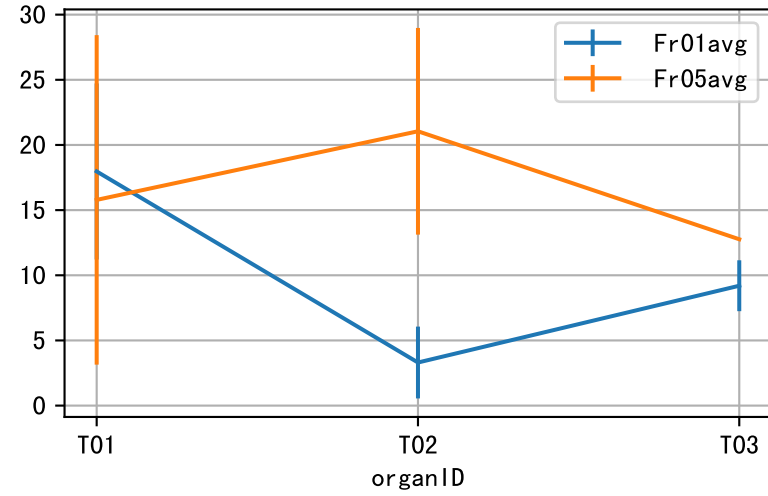


organID=T03

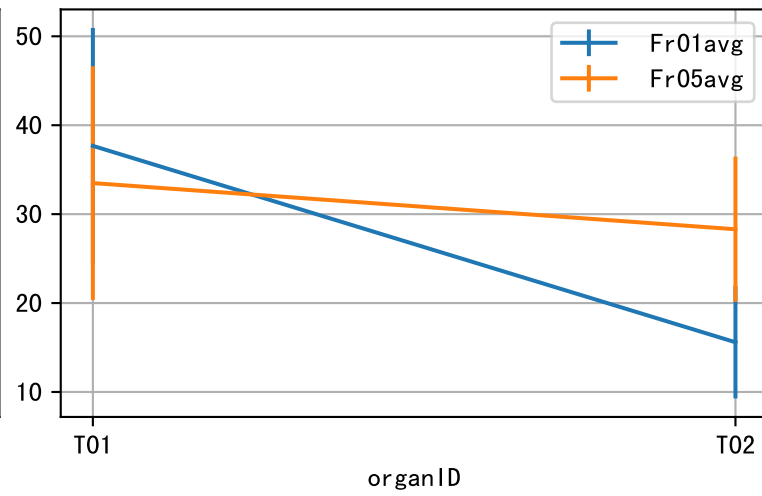


FrV trend at each age

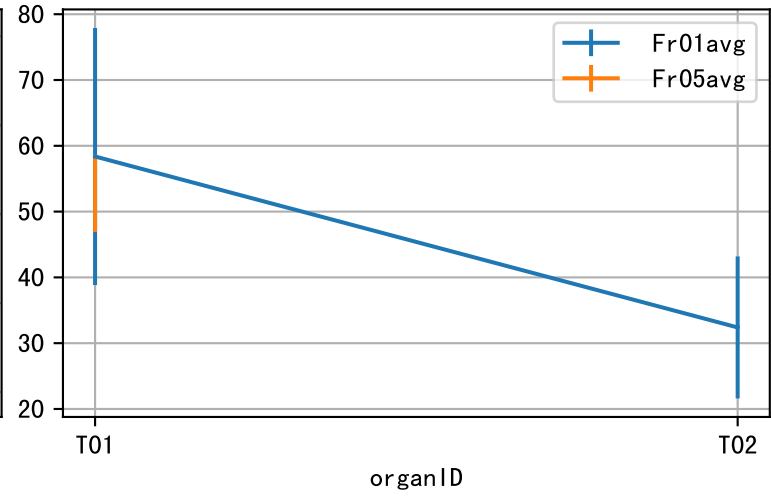
age=15



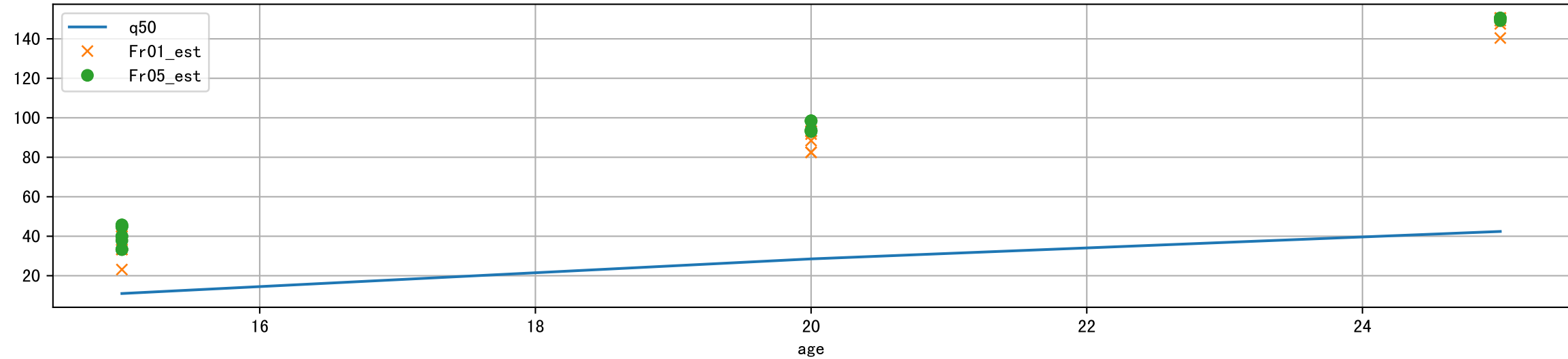
age=20



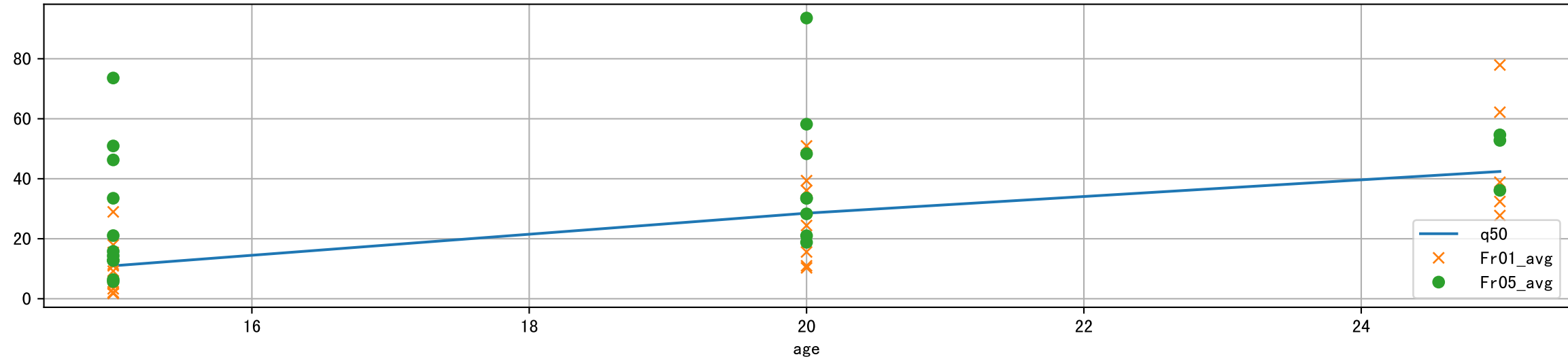
age=25



FrV: model Est vs obsFrV at Q90

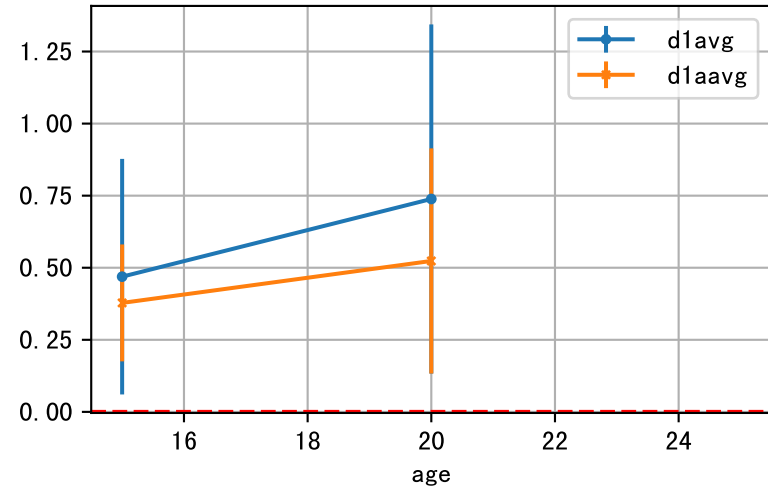


FrV: obsFrV vs obsFrV@Q90

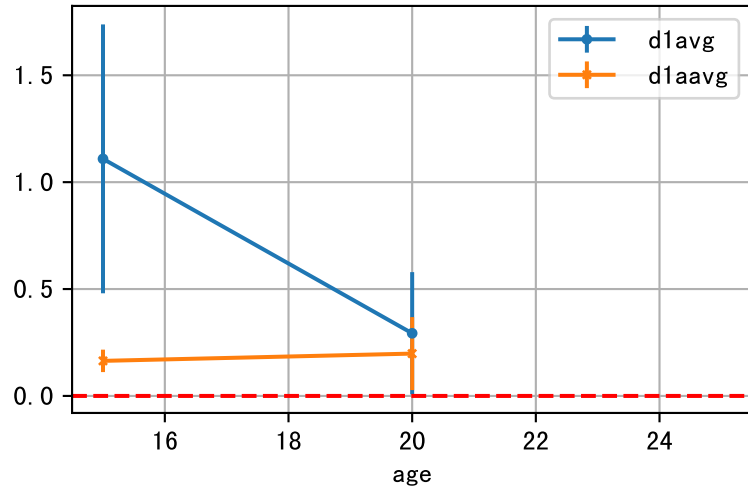


FrV: D_Fr1_FrV

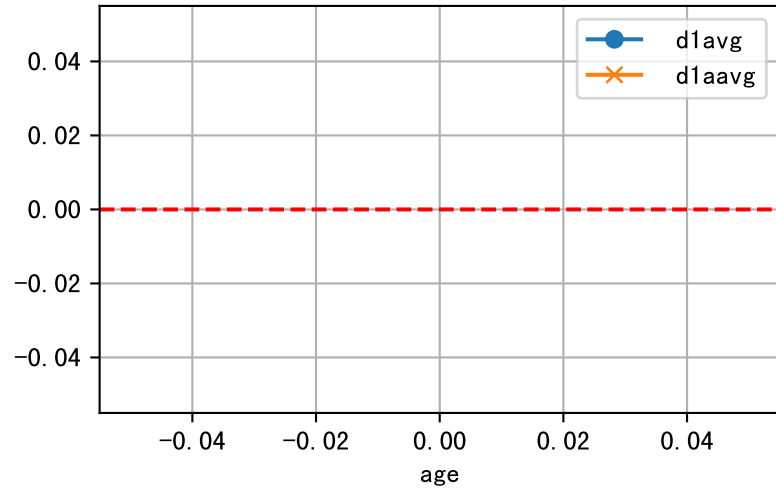
organID=1



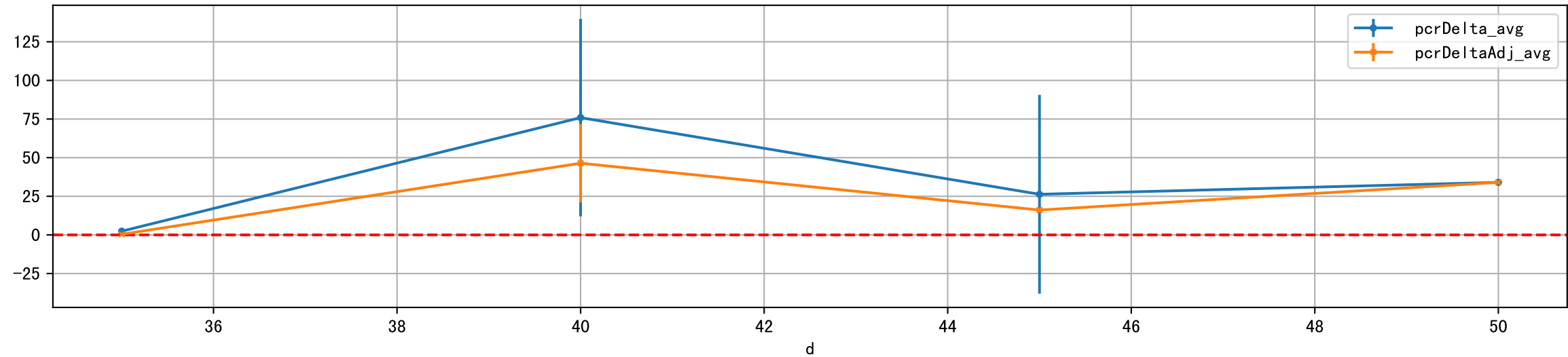
organID=2



organID=3

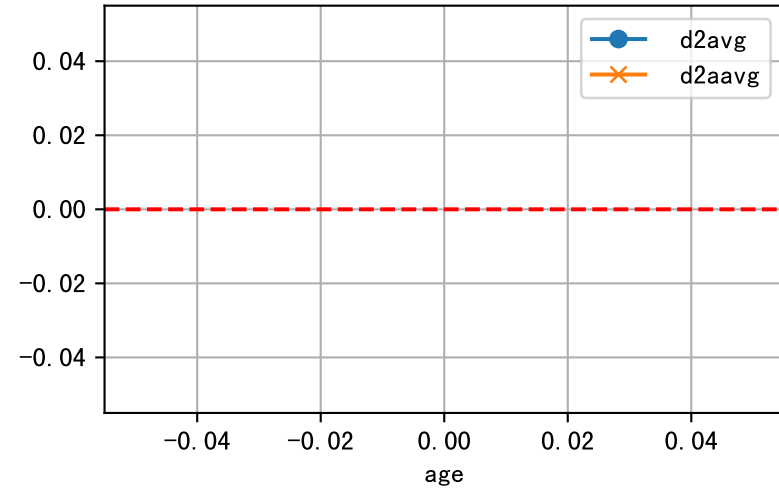


P6AE FrV: D_Fr1_FrV

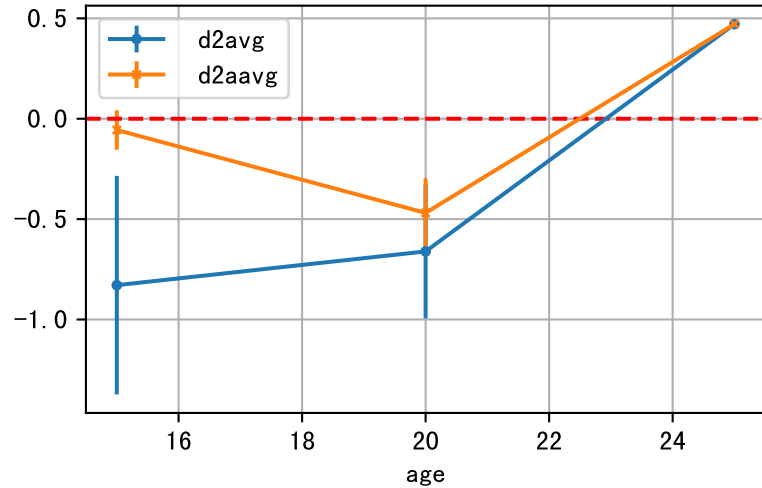


FrV: D_Ts_FrV

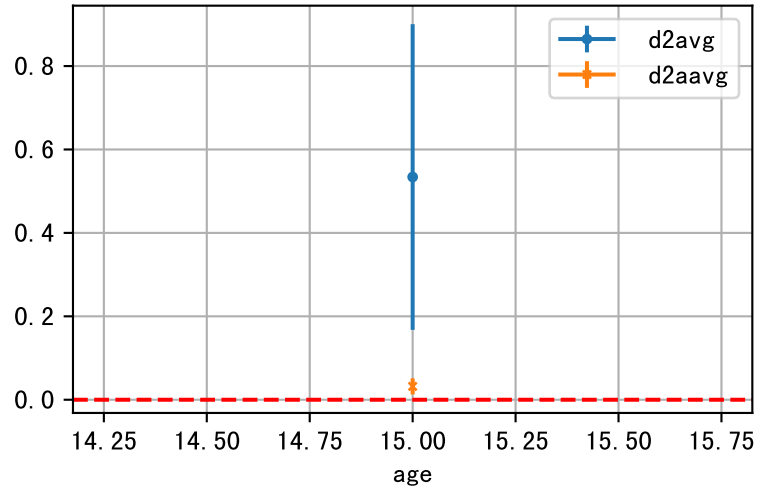
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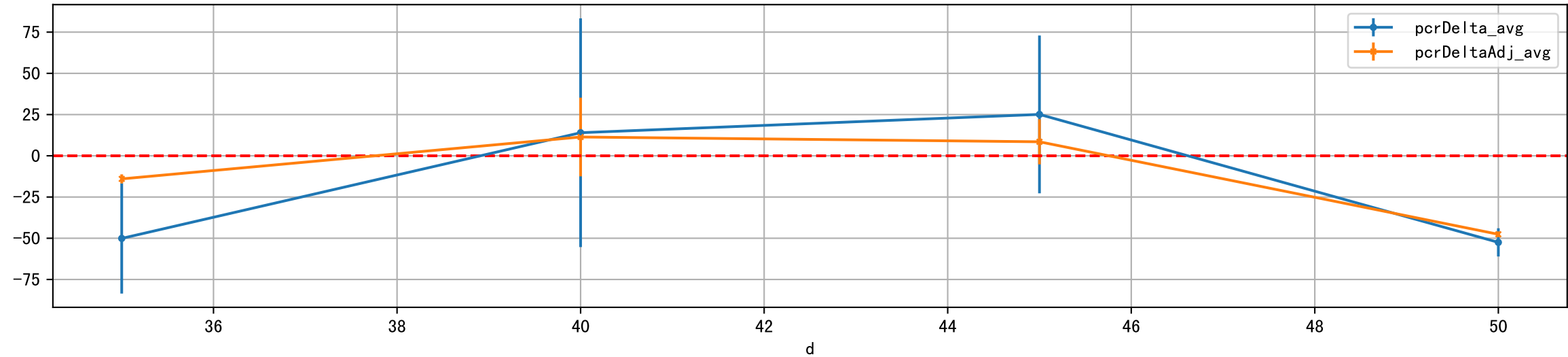
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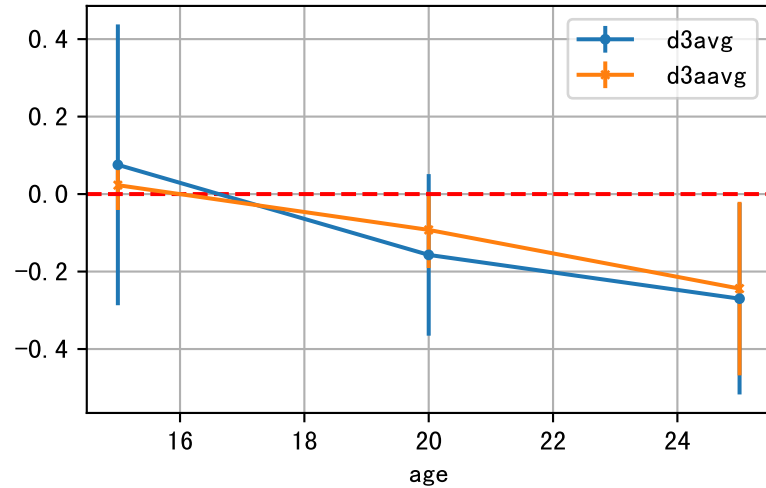
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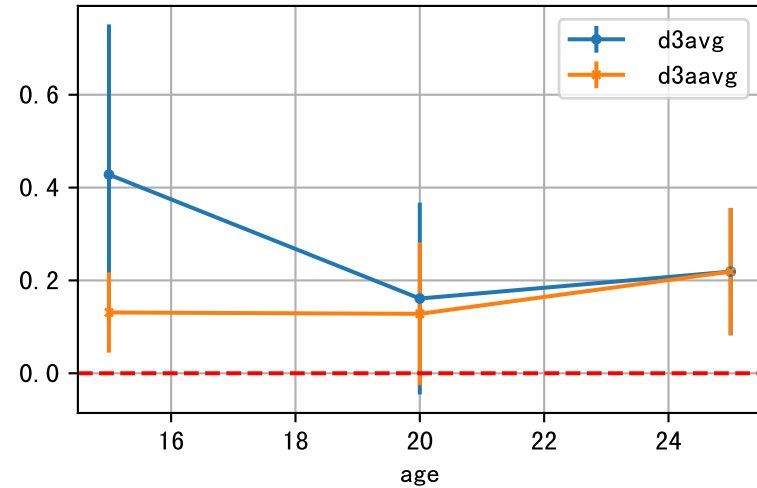
P6AE FrV: D_Ts_FrV



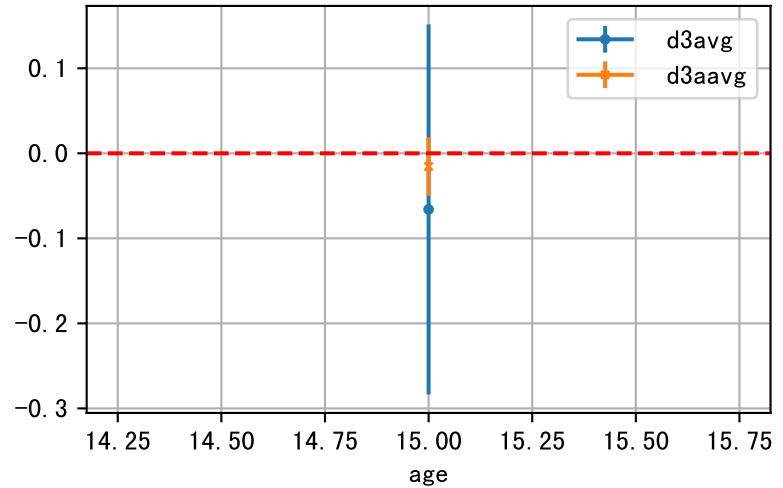
FrV: D_Q50_FrV
organID=2



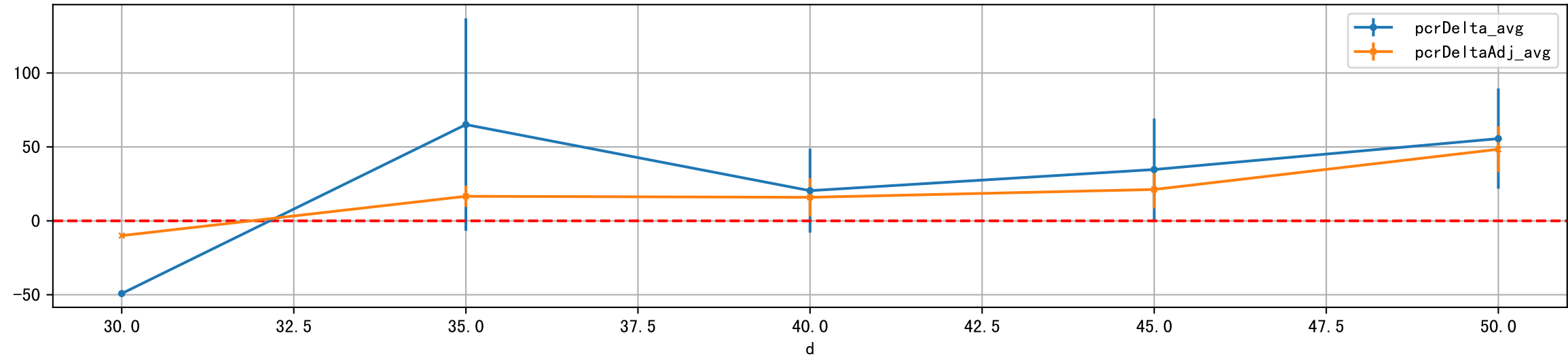
organID=1



organID=3

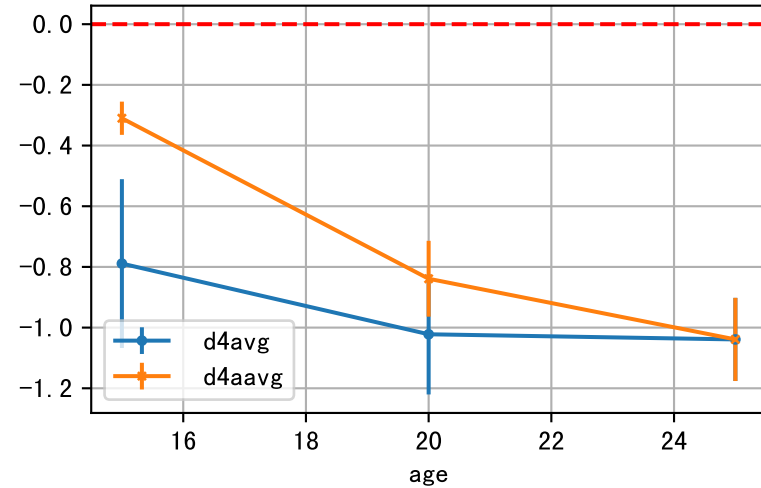


P6AE FrV: D_Q50_FrV

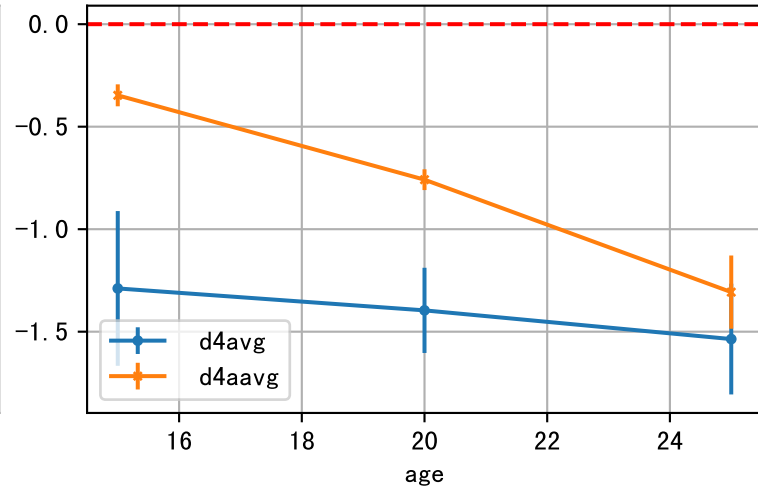


FrV: D_Est_FrV

organID=1



organID=2



organID=3

