

Phenotype Data Analysis Plots

PhenoData day range = 5 – 48

Analysis cutoff day = 48

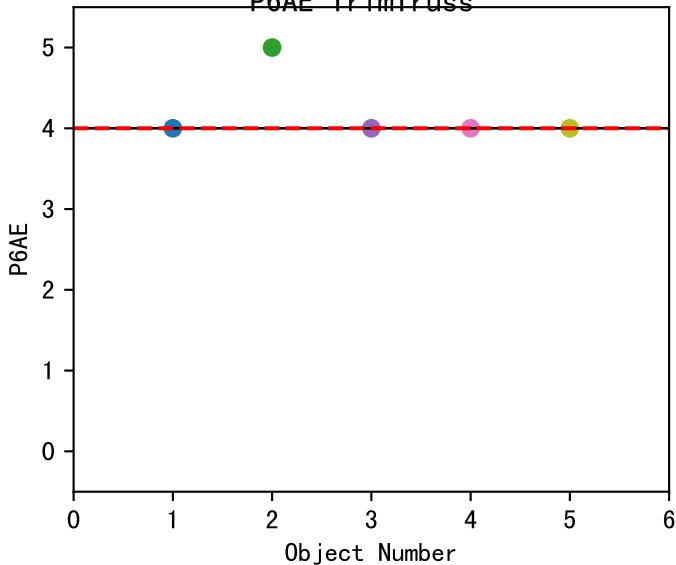
NC11 P6

2025-05-24 (Day 49)

TrussNodeMaxPerStem (Def=4.0 Set=4)

avg1=4.0~0% avg2=na

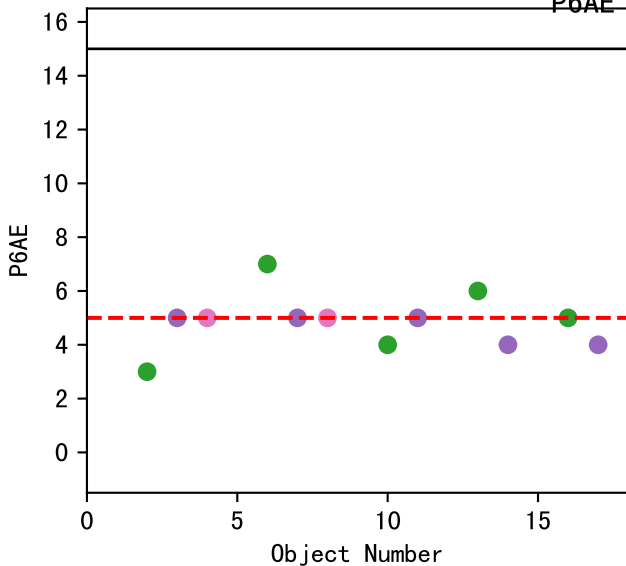
P6AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

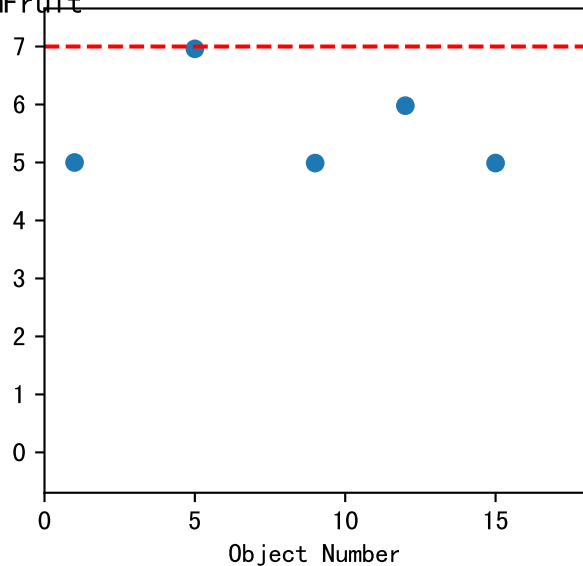
avg1=5.0~16% avg2=na

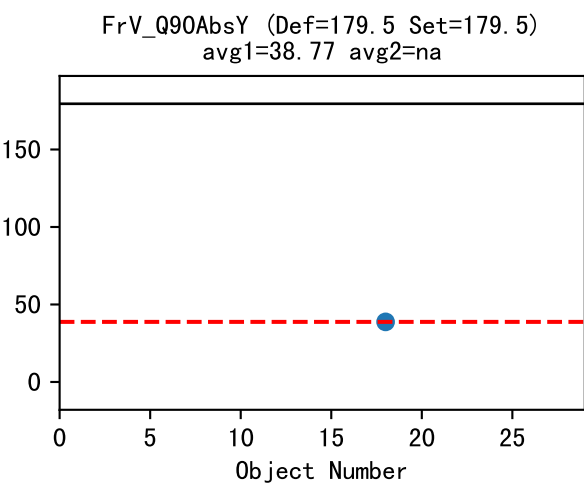
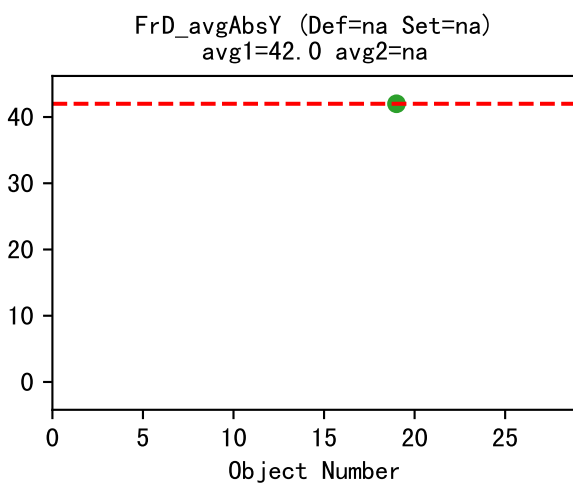
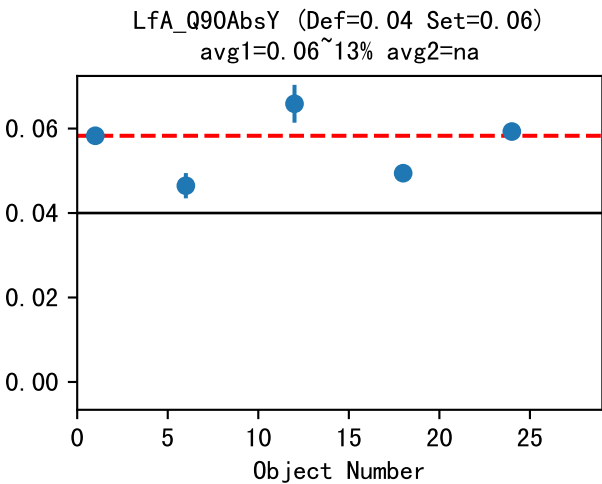
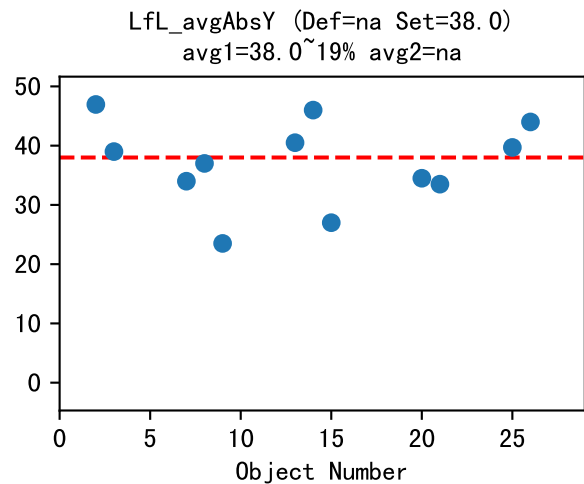
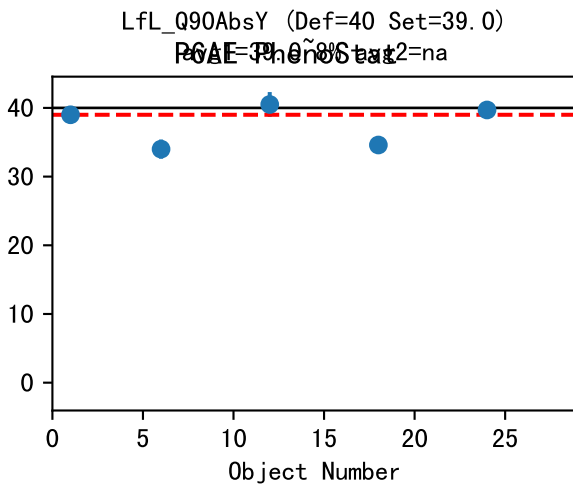
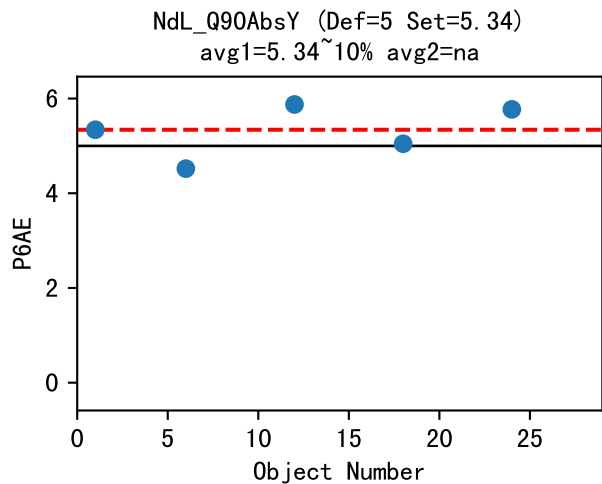
P6AE TrimFruit



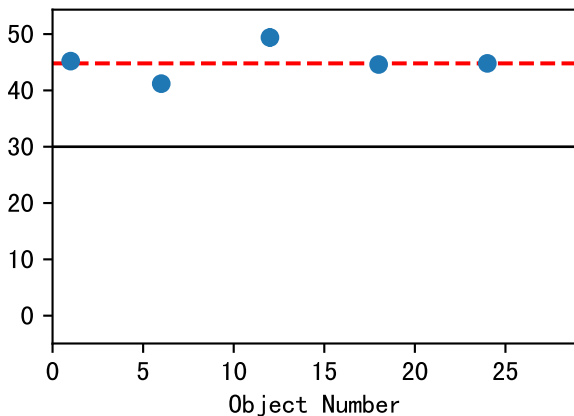
FruitNumMaxPerTruss (Def=na Set=7)

avg1=7.0~13% avg2=na

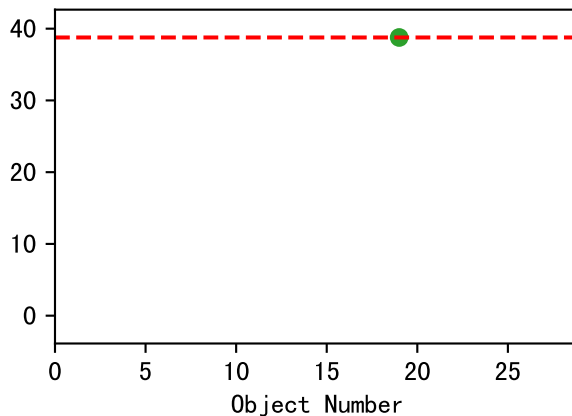




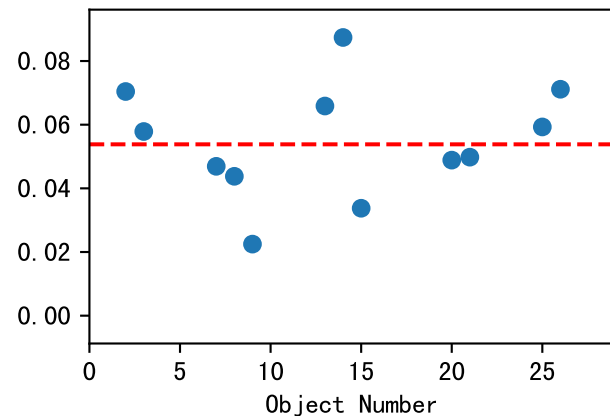
LfW_Q90AbsY (Def=30 Set=44.8)
avg1=44.8~1% avg2=na



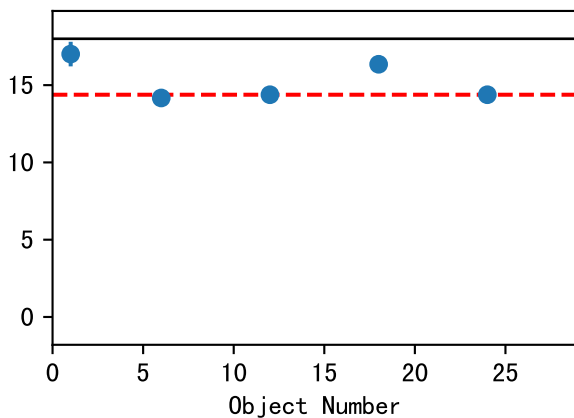
FrV_avgAbsY (Def=na Set=na)
avg1=38.77% avg2=na



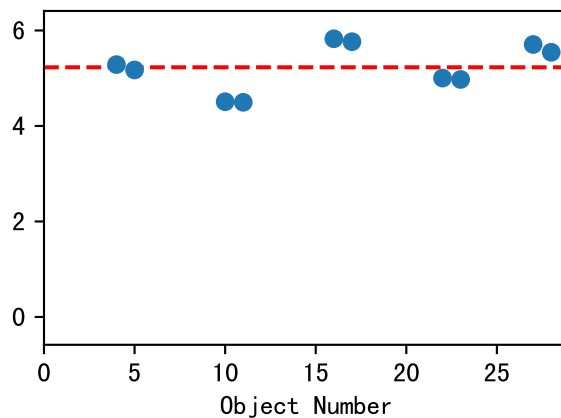
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~33% avg2=na



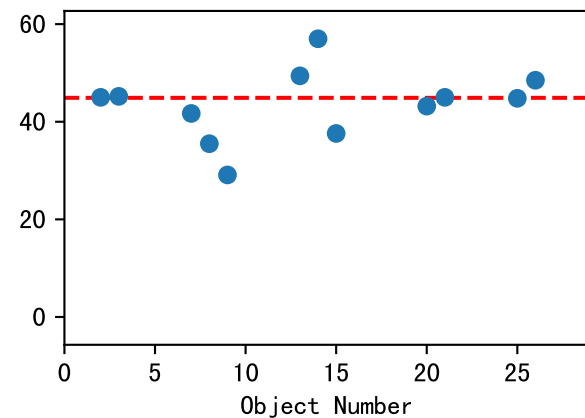
NdD_Q90AbsY (Def=18 Set=14.38)
avg1=14.38~9% avg2=na



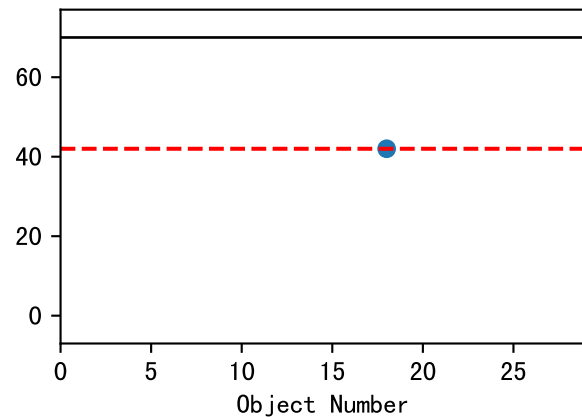
NdL_avgAbsY (Def=na Set=5.23)
avg1=5.23~9% avg2=na



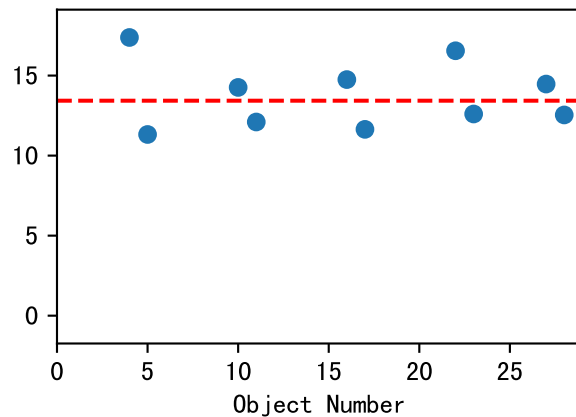
LfW_avgAbsY (Def=na Set=44.9)
avg1=44.9~10% avg2=na



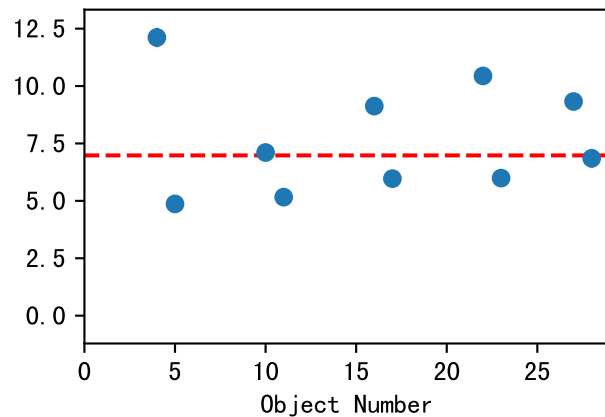
FrD_Q90AbsY (Def=70 Set=70)
avg1=42.0 avg2=na



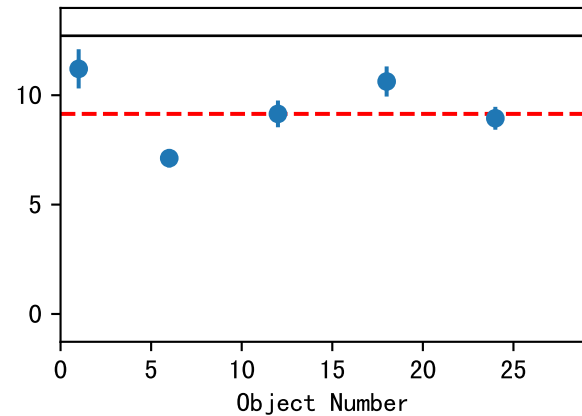
NdD_avgAbsY (Def=na Set=13.43)
avg1=13.43~18% avg2=na



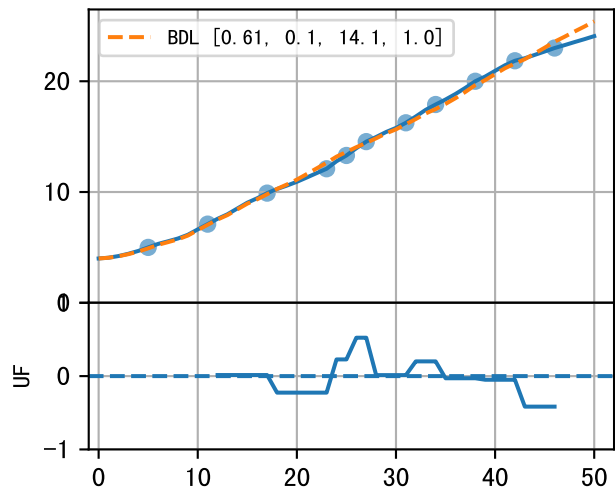
NdV_avgAbsY (Def=na Set=6.98)
avg1=6.98~35% avg2=na



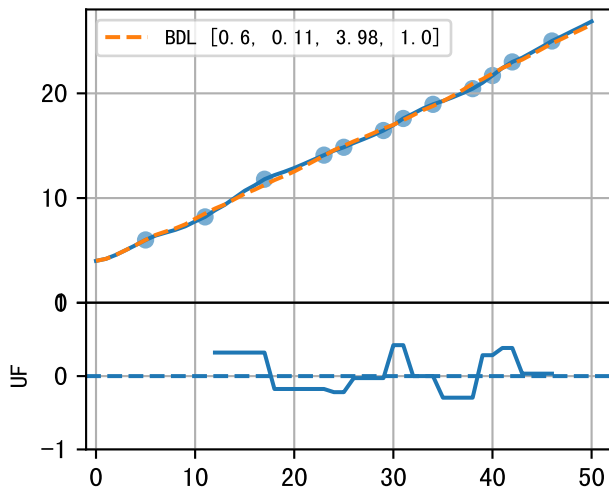
NdV_Q90AbsY (Def=12.72 Set=9.15)
avg1=9.15~17% avg2=na



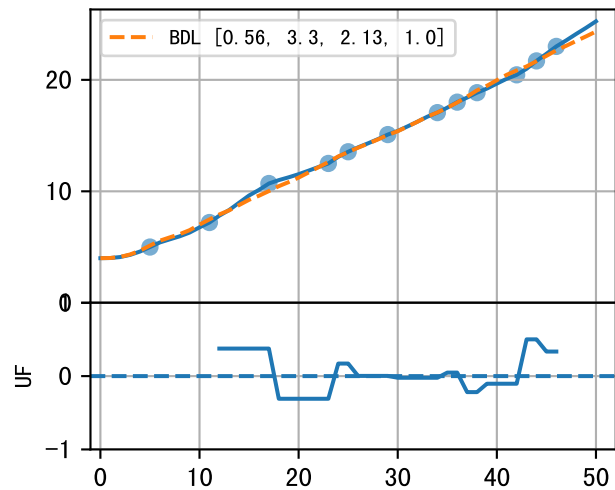
P6AE-007-10 (fit failed)



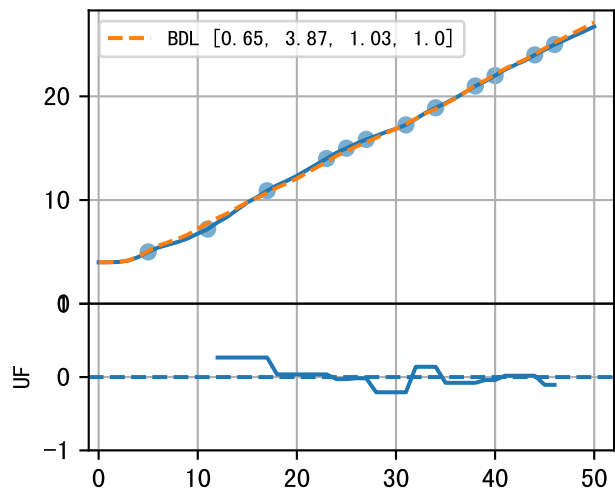
P6AE-014-10 (fit failed)



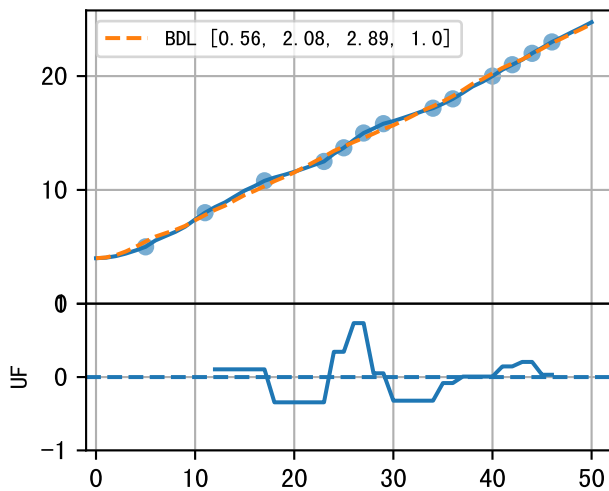
P6AE-026-25 (fit failed)



P6AE-033-4 (fit failed)



P6AE-045-12 (fit failed)

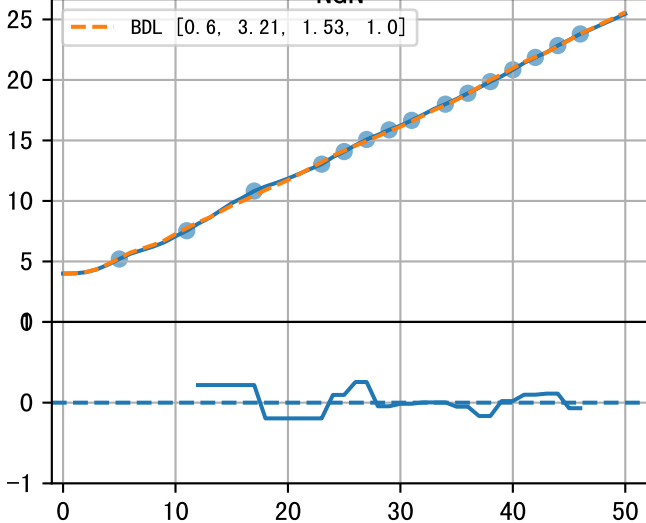


P6AEavg (fit failed)

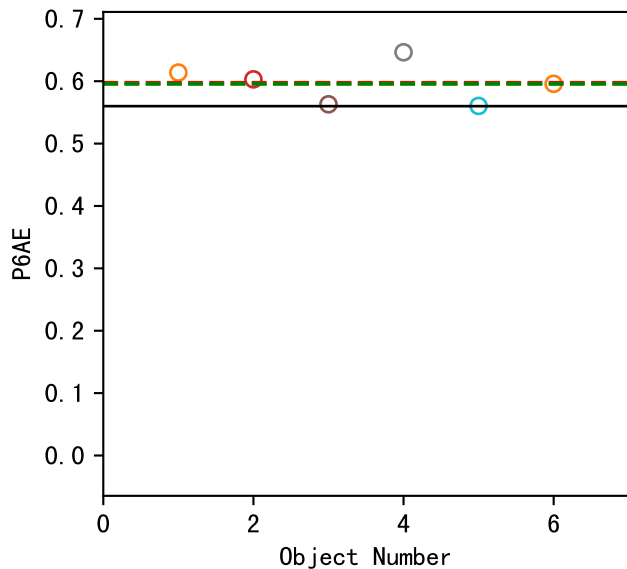
NdN

BDL [0.6, 3.21, 1.53, 1.0]

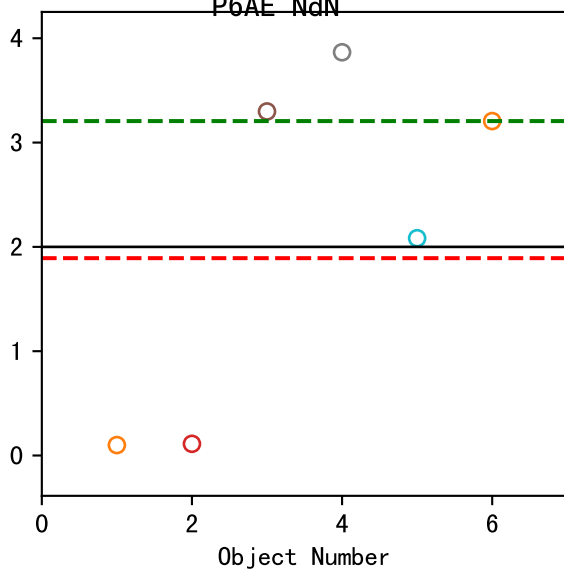
UF



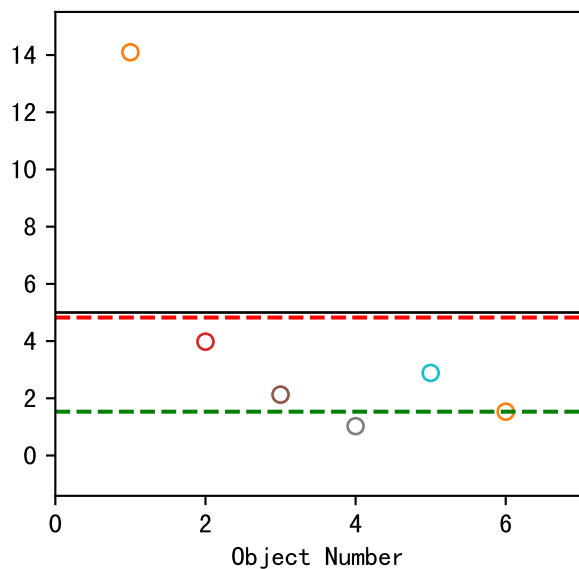
a (Def=0.56 Set=0.6)
avg1=0.6(fail) avg2=0.6



dm (Def=2 Set=3.21)
avg1=1.89(fail) avg2=3.21



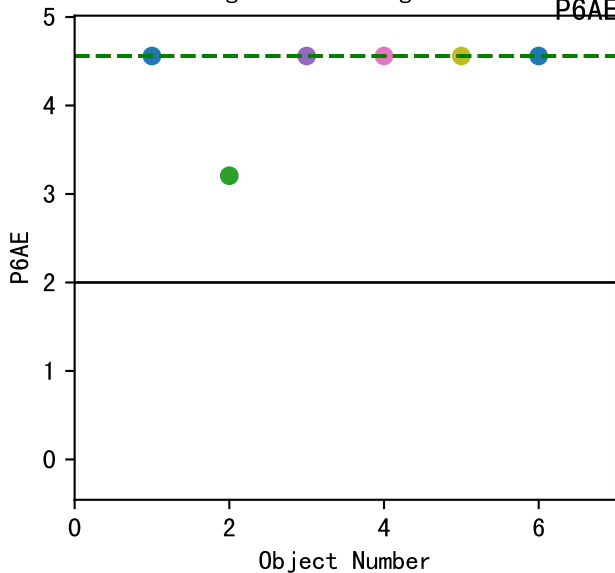
de (Def=5 Set=1.53)
avg1=4.82(fail) avg2=1.53



InitDev_dm (Def=2 Set=4.56)

avg1=4.56~0% avg2=4.56

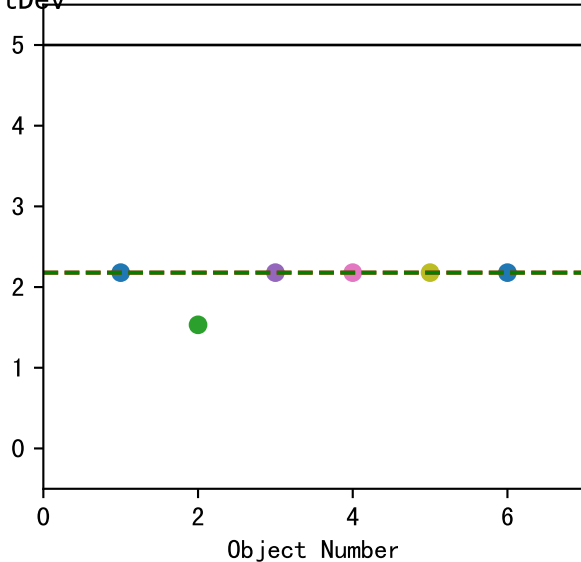
P6AE



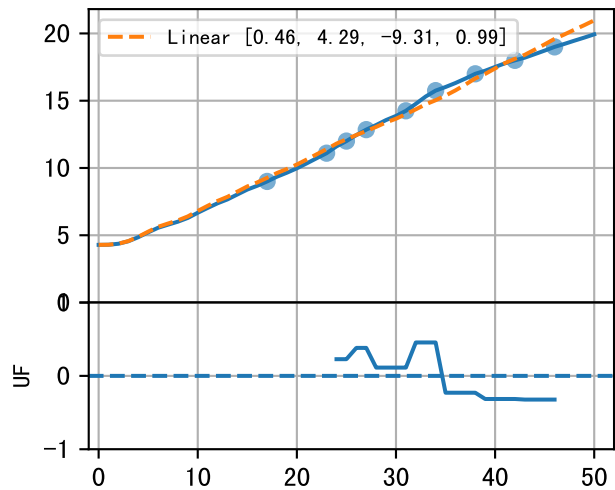
InitDev_de (Def=5 Set=2.18)

avg1=2.18~0% avg2=2.18

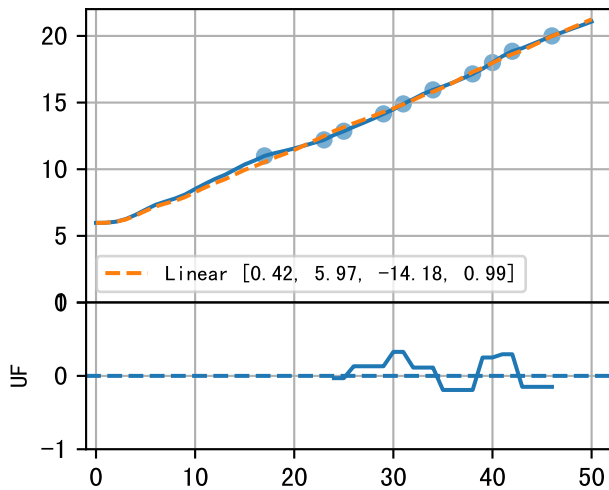
InitDev



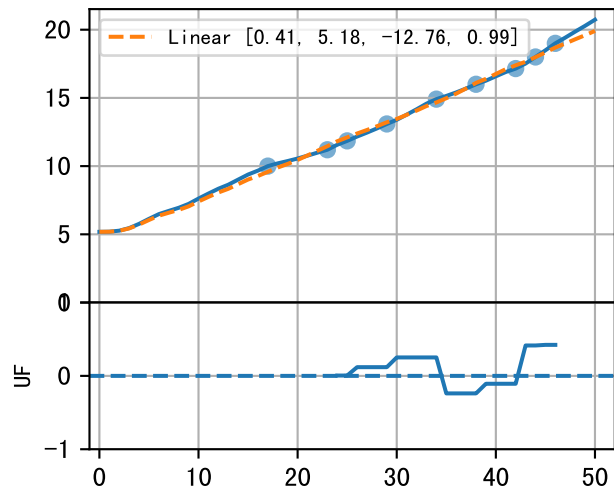
P6AE-007-10



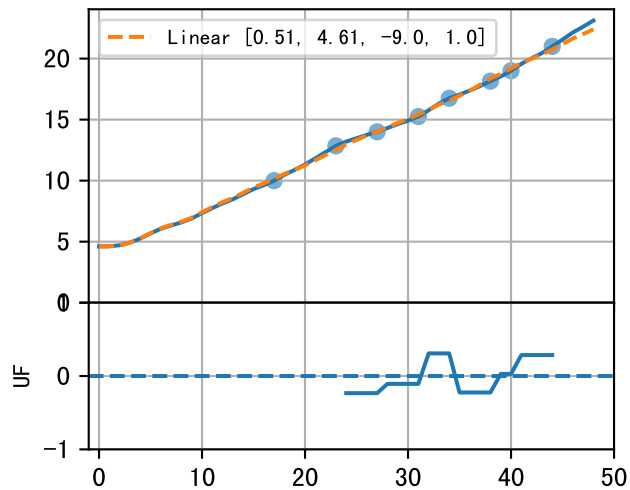
P6AE-014-17



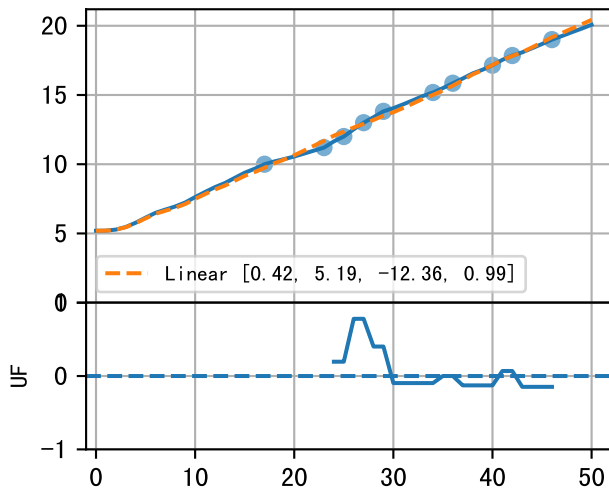
P6AE-026-25



P6AE-033-4



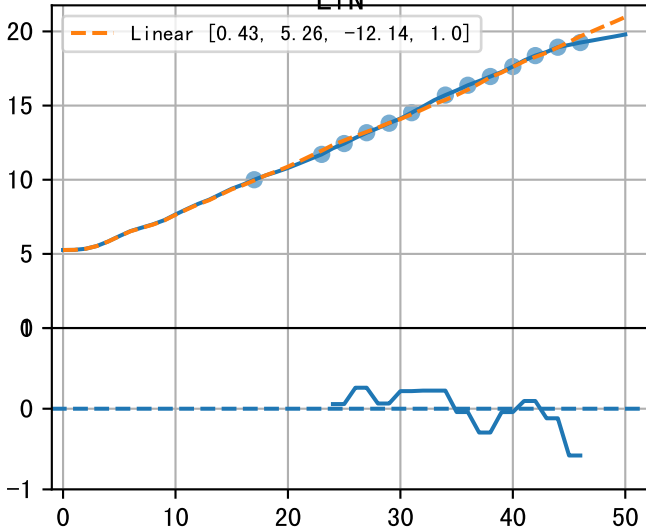
P6AE-045-12



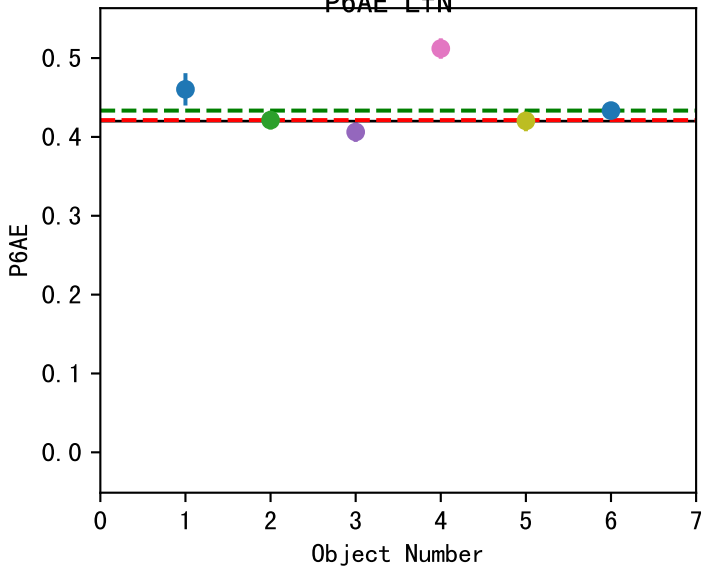
P6AEavg
Lfn

Linear [0.43, 5.26, -12.14, 1.0]

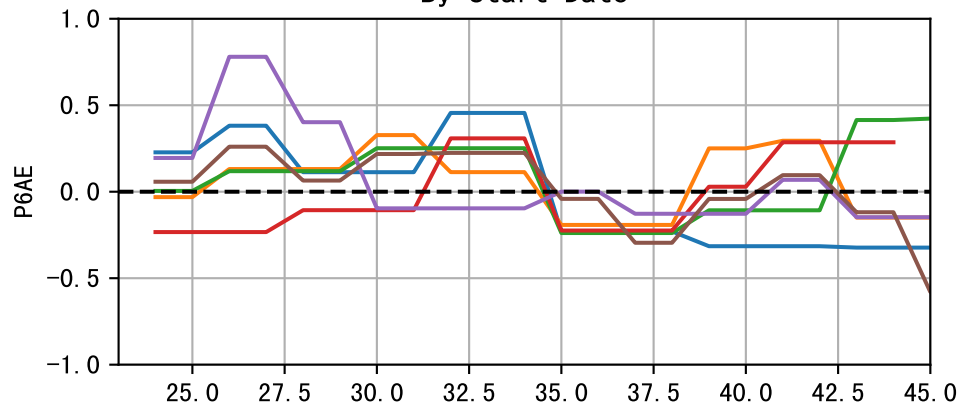
UF



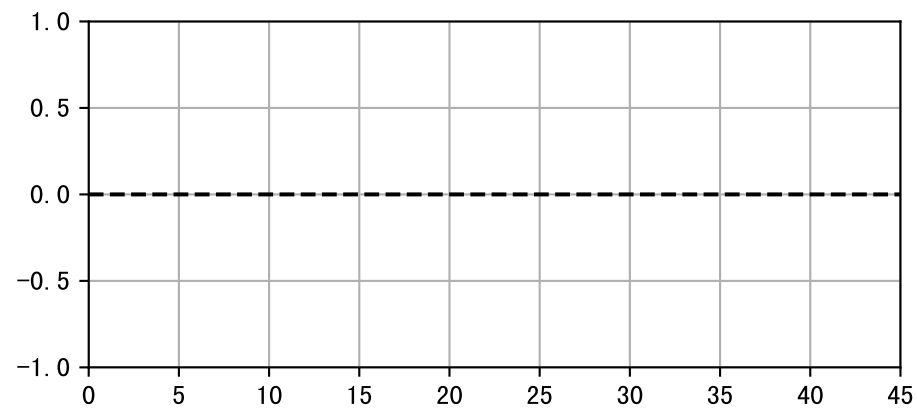
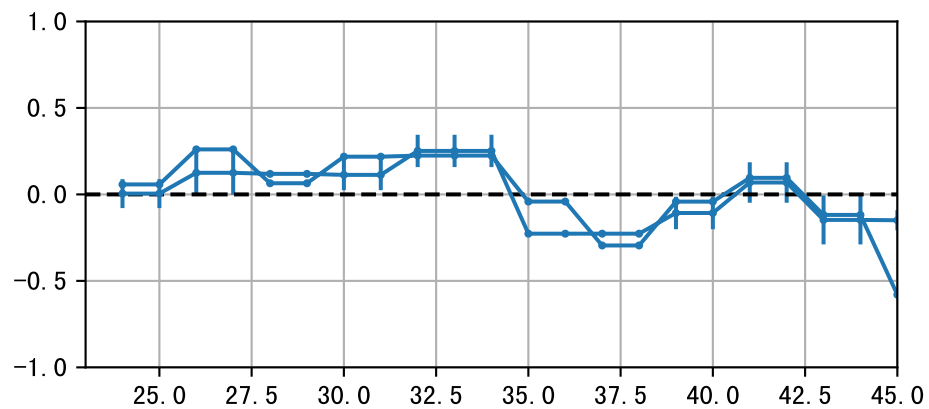
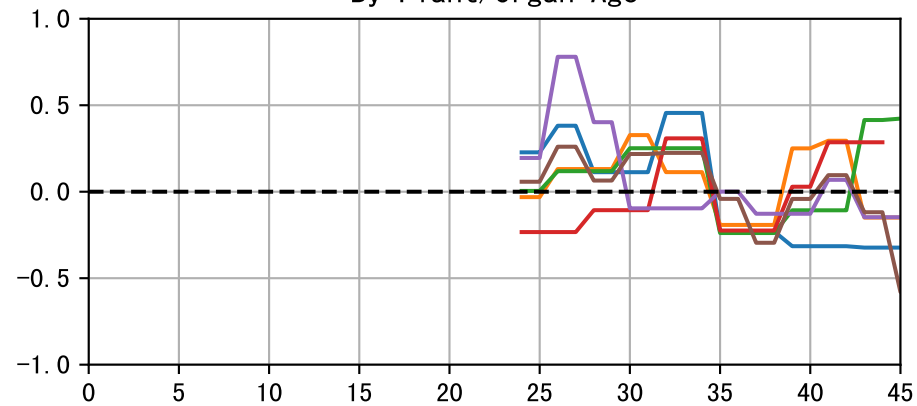
a (Def=0.42 Set=0.43)
avg1=0.42~10% avg2=0.43~5%



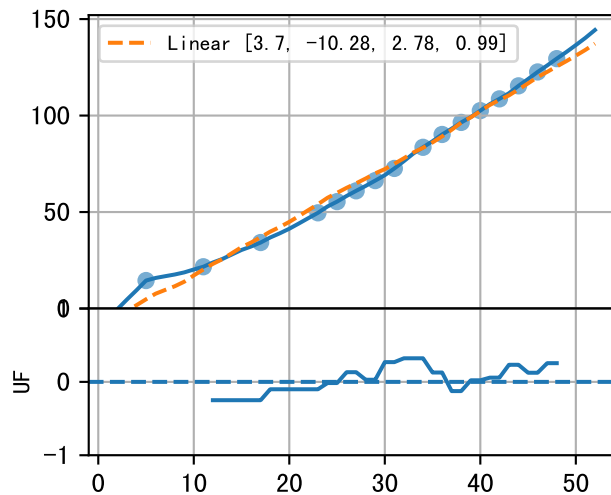
By Start Date



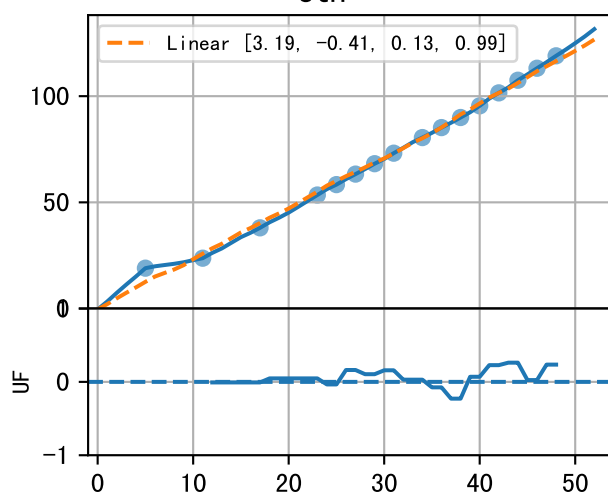
By Plant/Organ Age



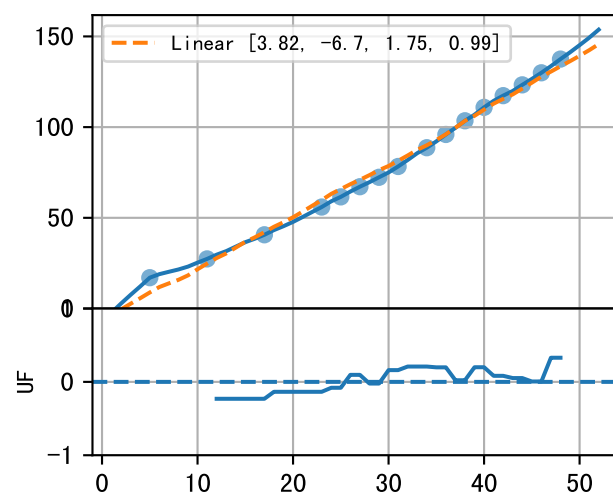
P6AE-007-10



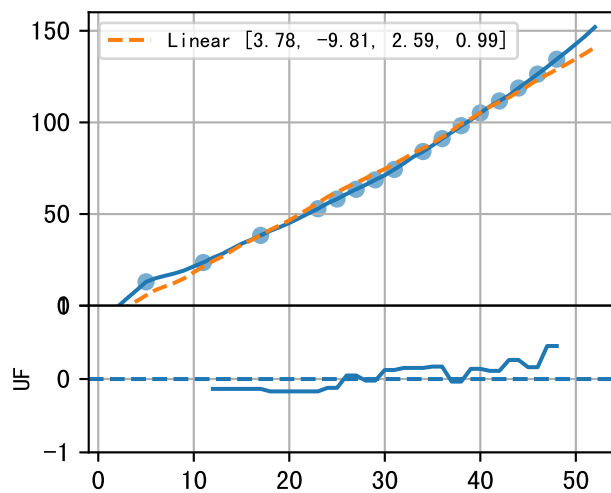
P6AE-014-17



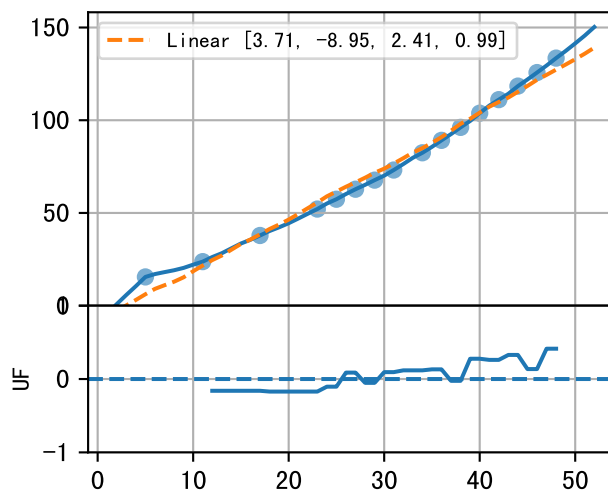
P6AE-026-25



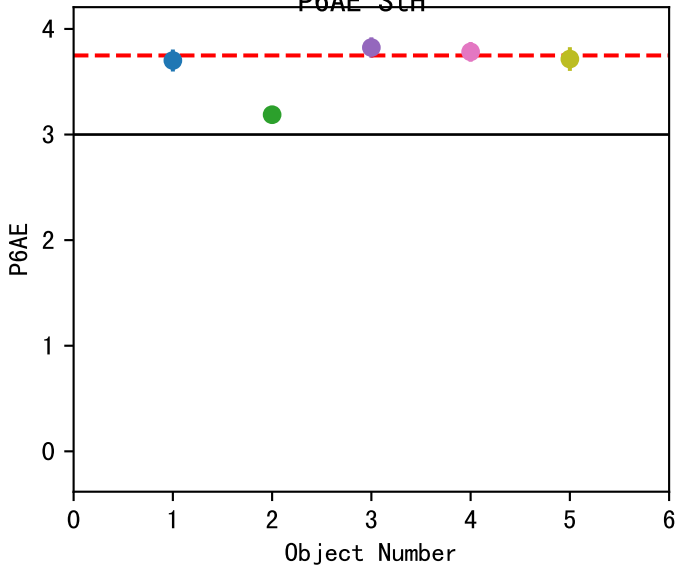
P6AE-033-4



P6AE-045-12

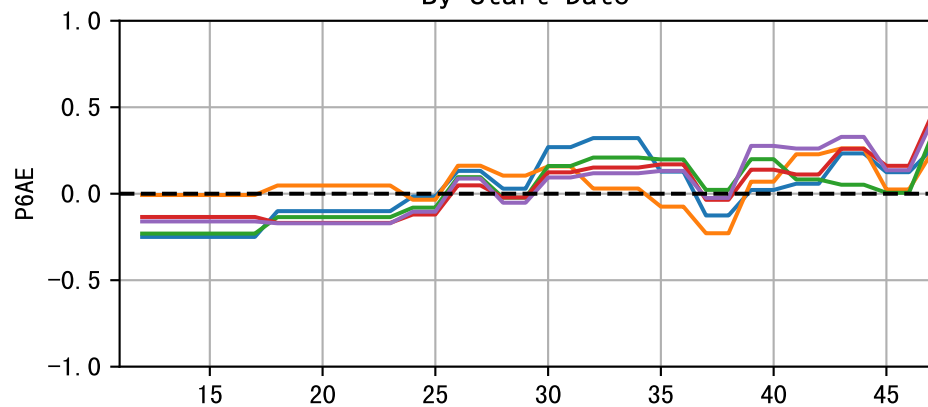


a (Def=3 Set=3.75)
avg1=3.75~2% avg2=na
P6AE StH

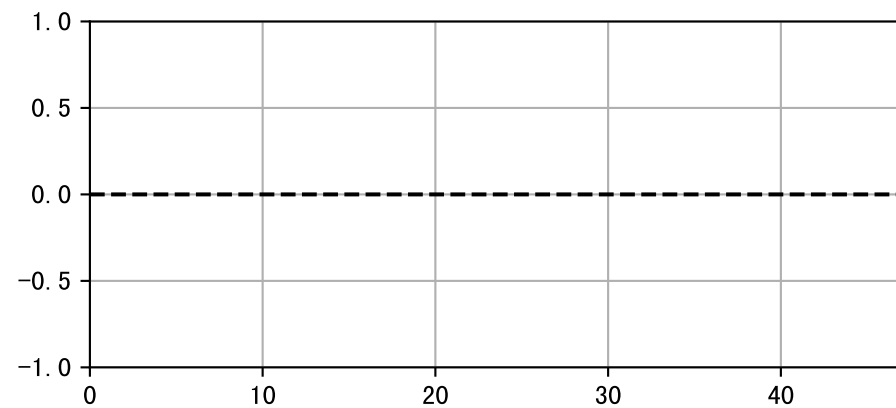
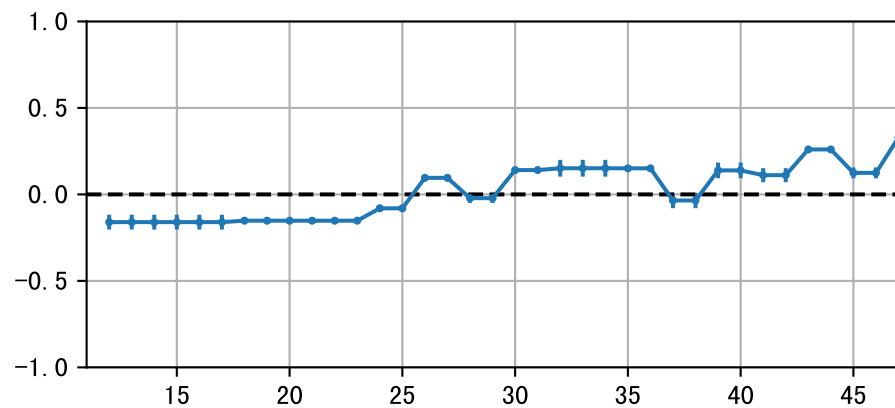
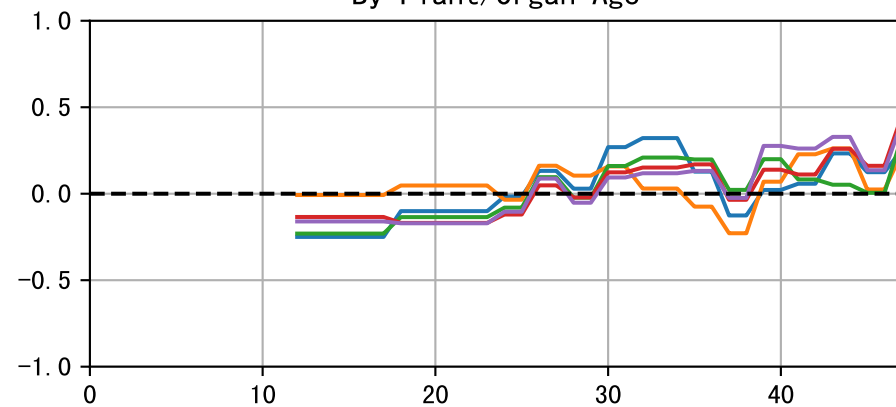


StH

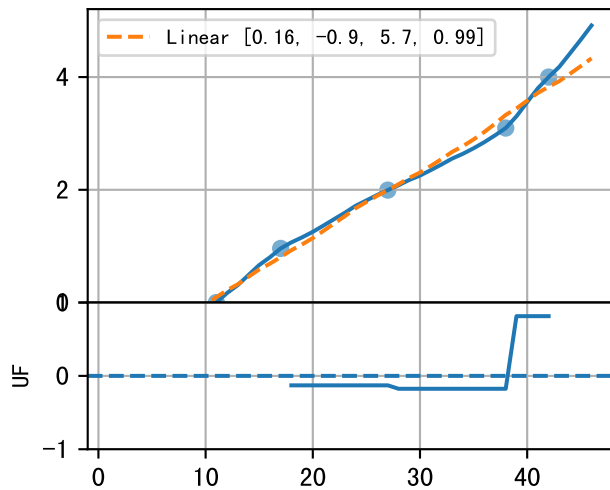
By Start Date



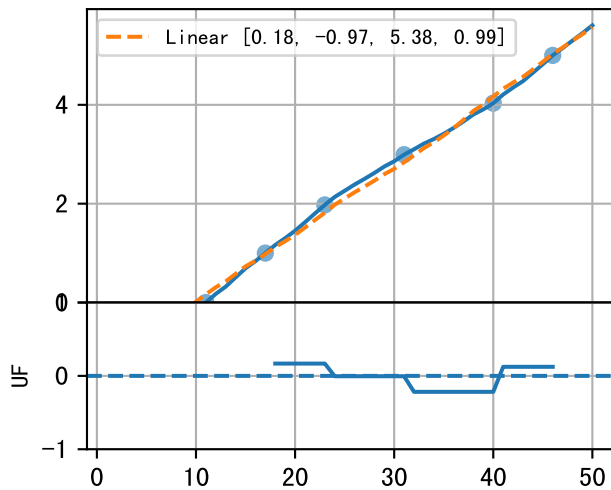
By Plant/Organ Age



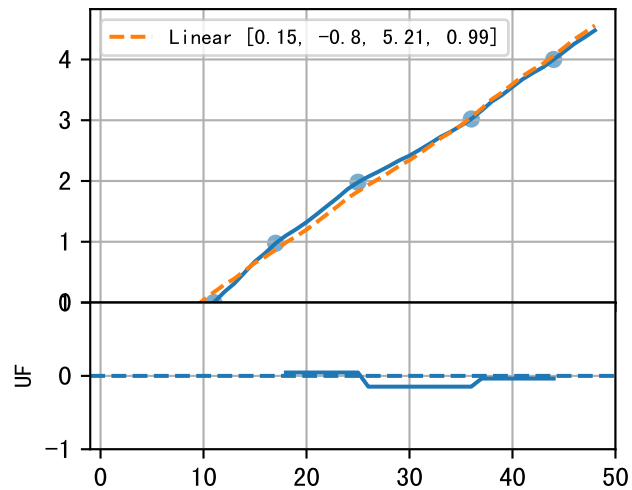
P6AE-007-10



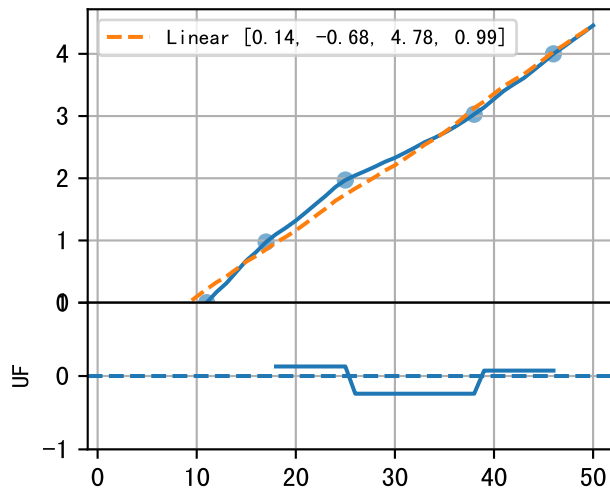
P6AE-014-17



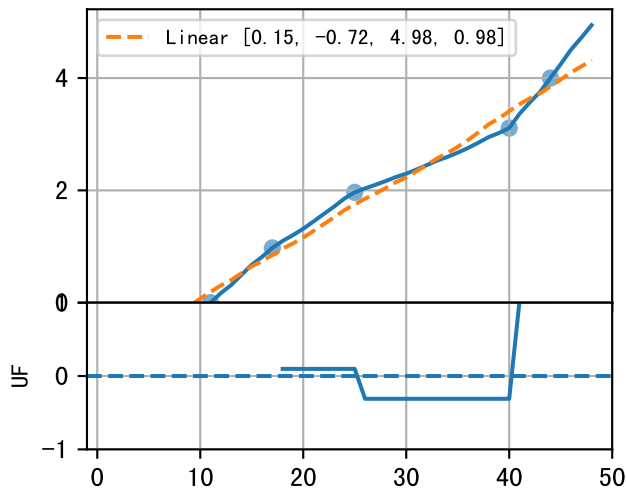
P6AE-026-25



P6AE-033-4



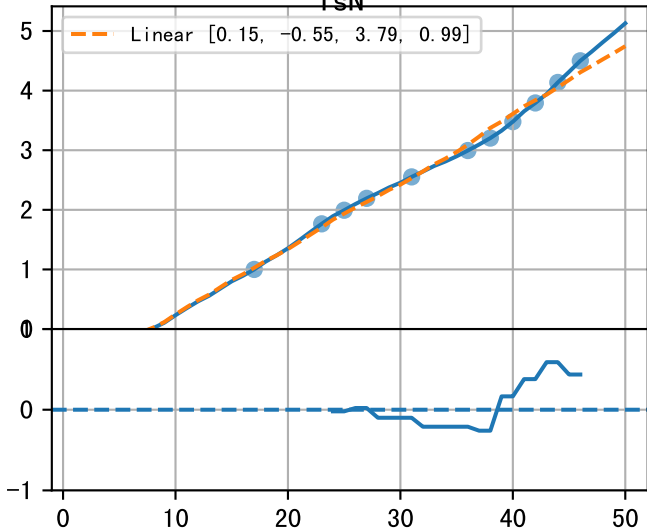
P6AE-045-12



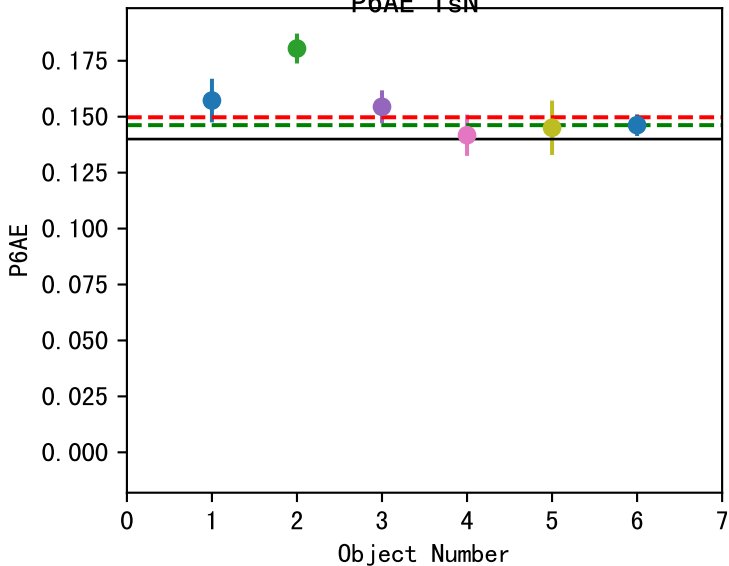
P6AEavg
I_{SN}

Linear [0.15, -0.55, 3.79, 0.99]

UF

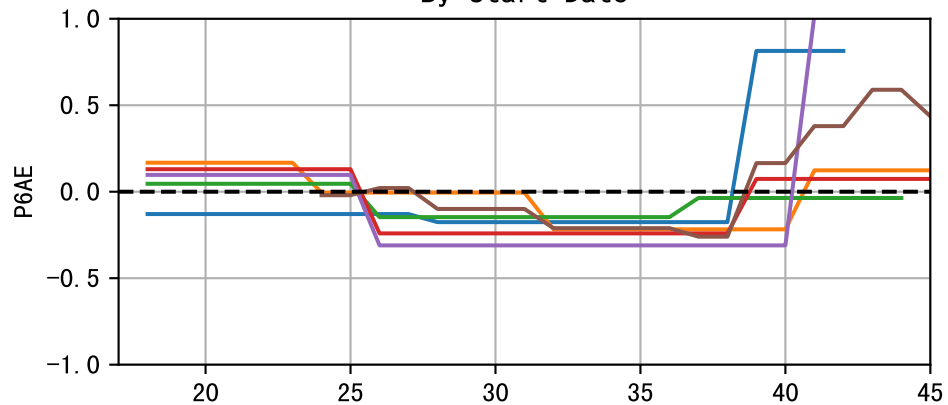


a (Def=0.14 Set=0.15)
avg1=0.15 $\sim$ 5% avg2=0.15 $\sim$ 7%
P6AE TsN

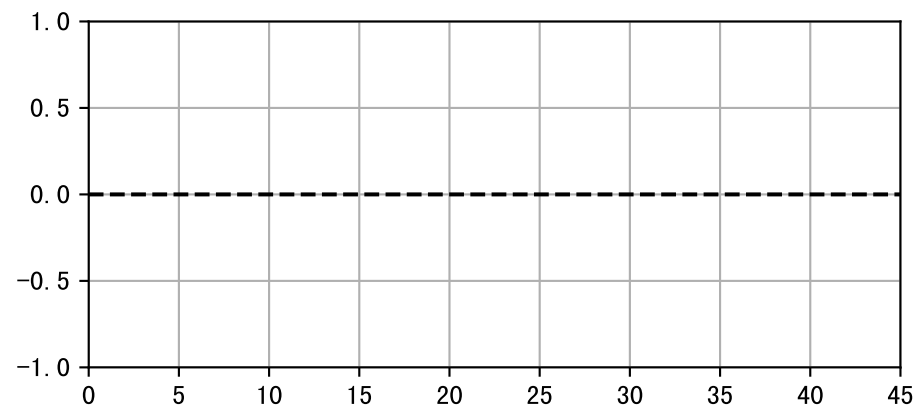
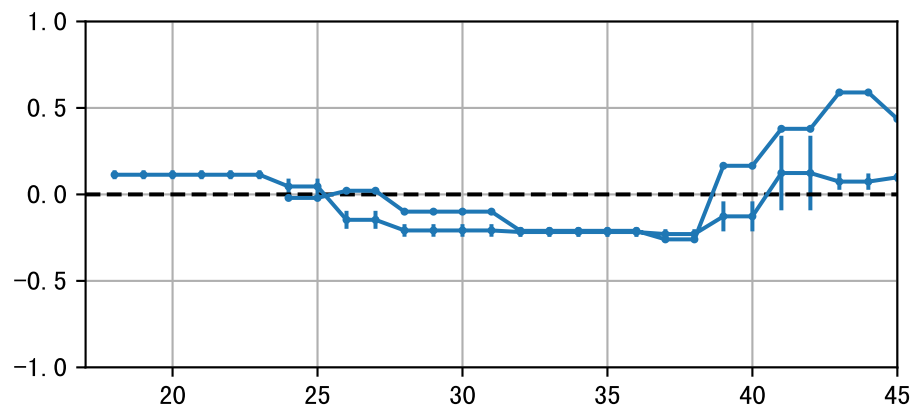
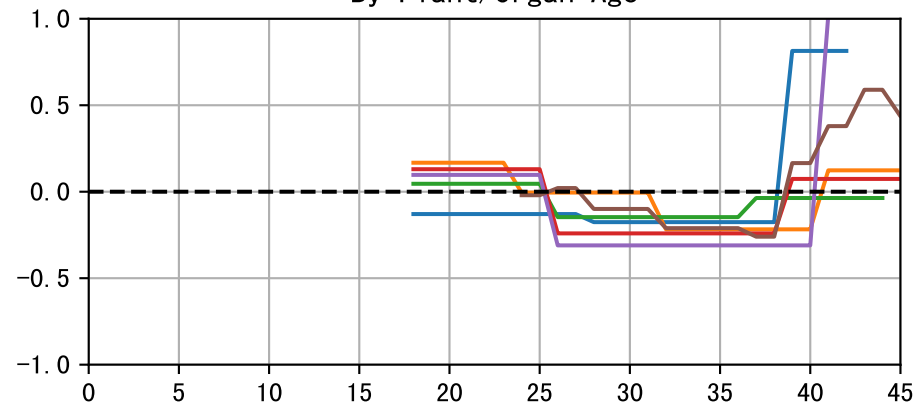


TsN

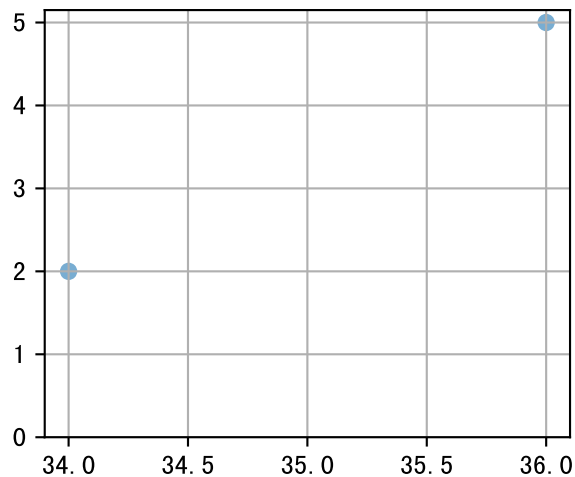
By Start Date



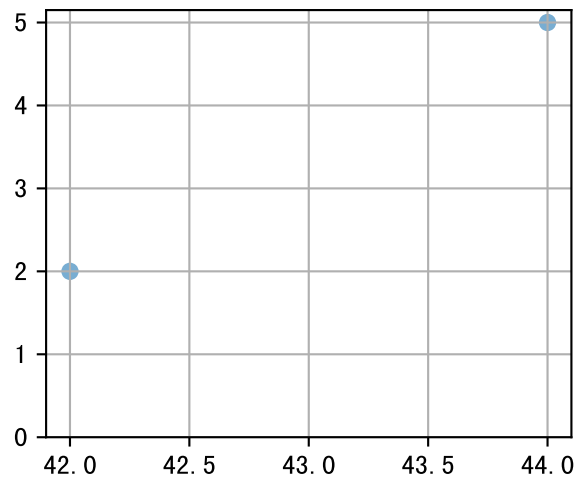
By Plant/Organ Age



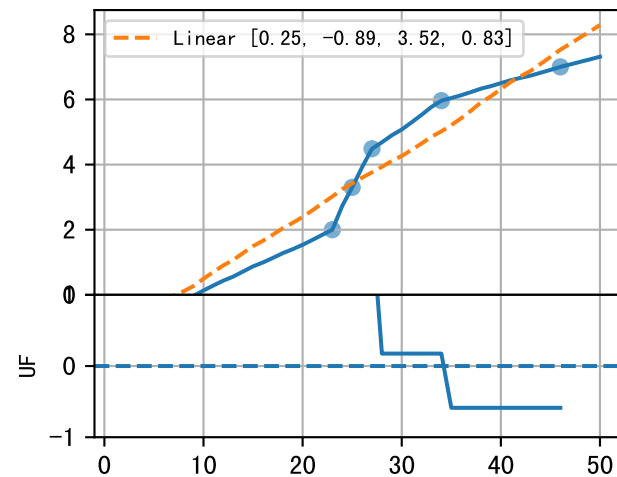
P6AE-007-10T2 (fit failed)



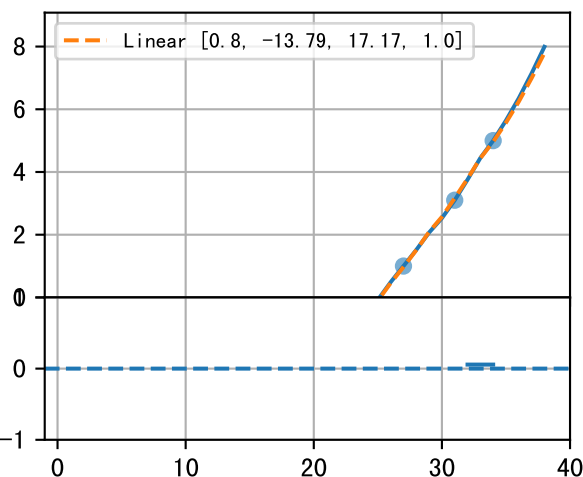
P6AE-007-10T3 (fit failed)



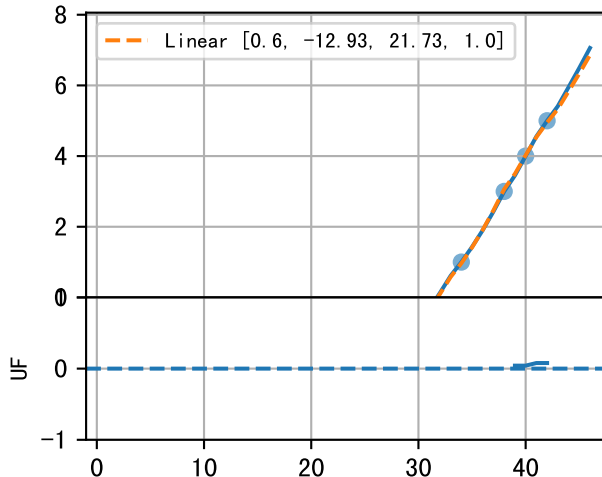
P6AE-014-17T1



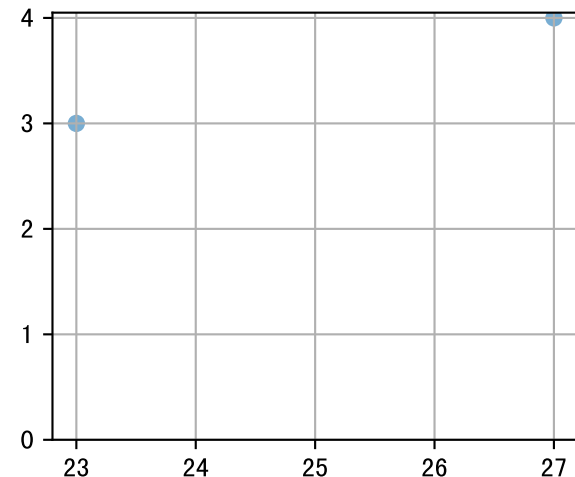
P6AE-014-17T2



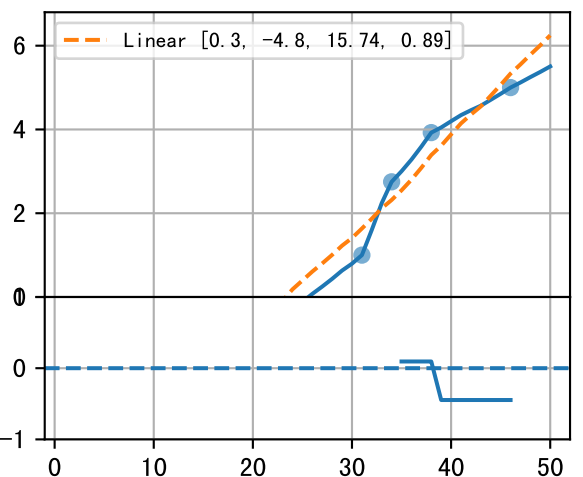
P6AE-014-17T3



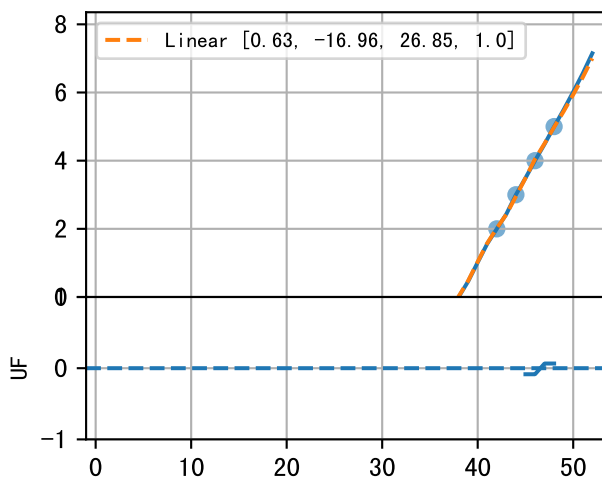
P6AE-026-25T1 (fit failed)



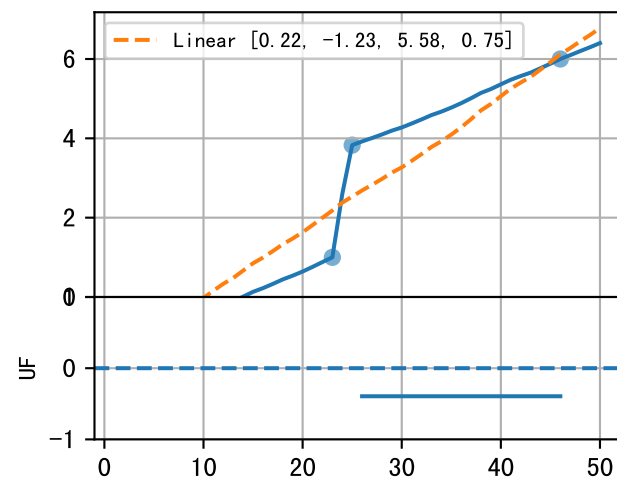
P6AE-026-25T2



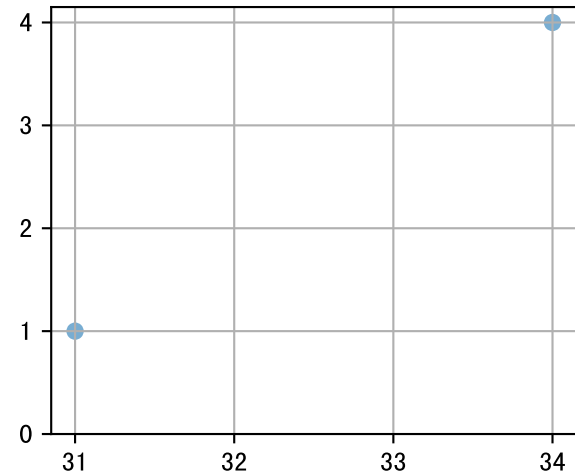
P6AE-026-25T3



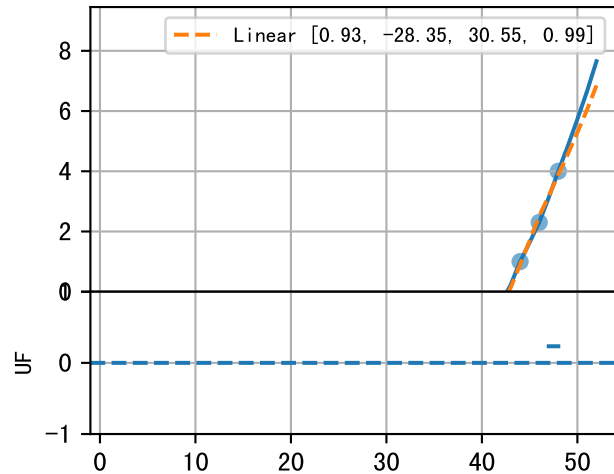
P6AE-033-4T1



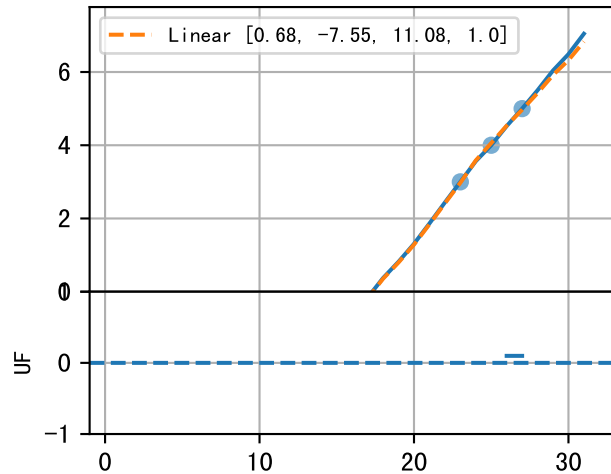
P6AE-033-4T2 (fit failed)



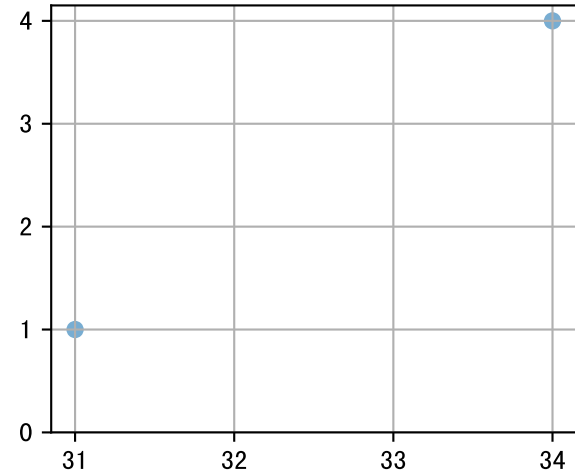
P6AE-033-4T3



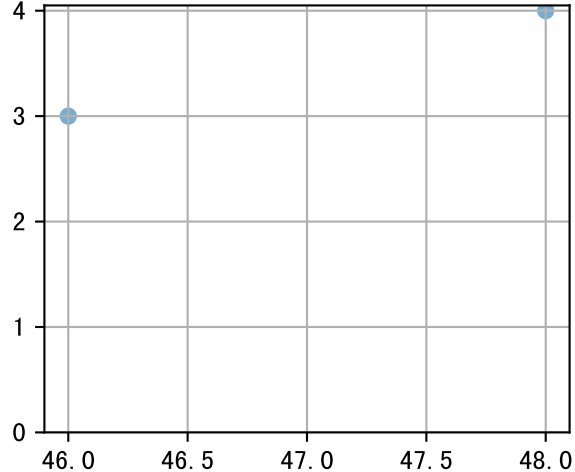
P6AE-045-12T1



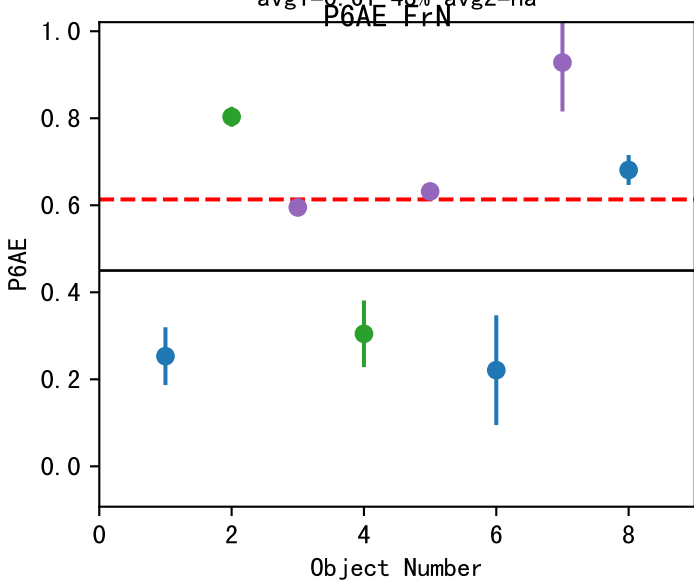
P6AE-045-12T2 (fit failed)



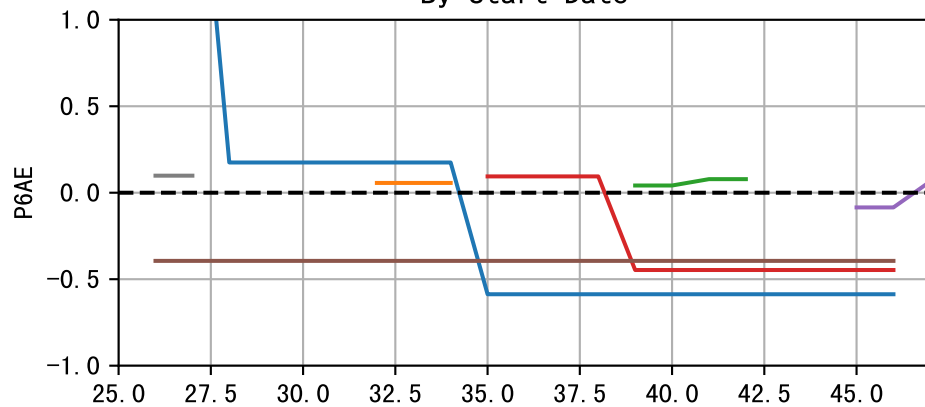
P6AE-045-12T3 (fit failed)



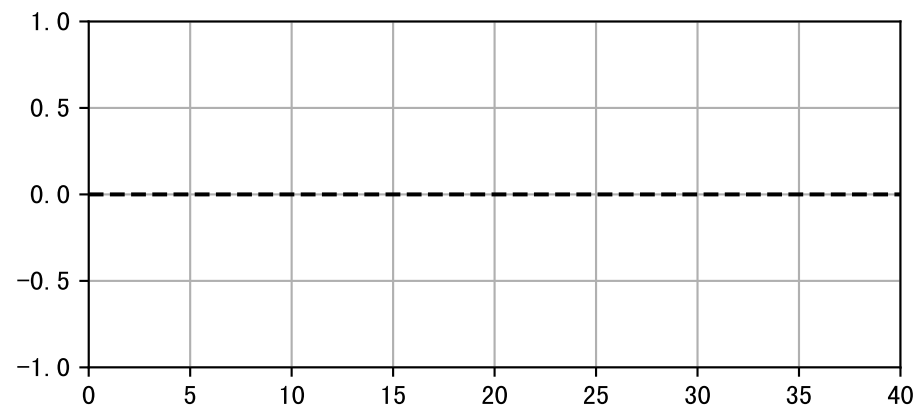
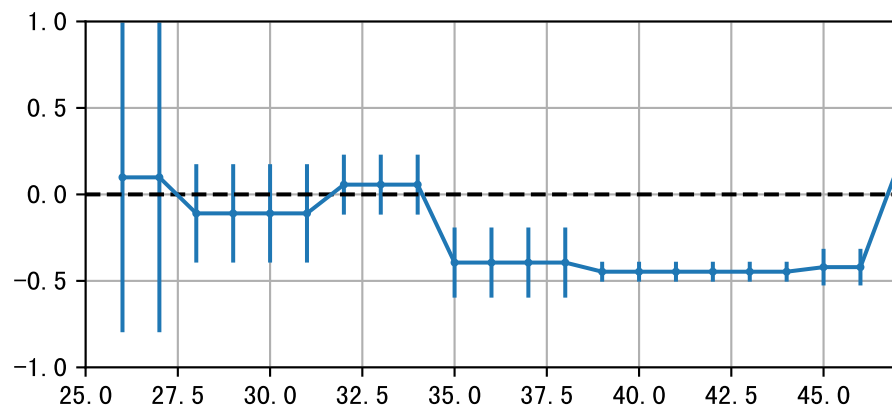
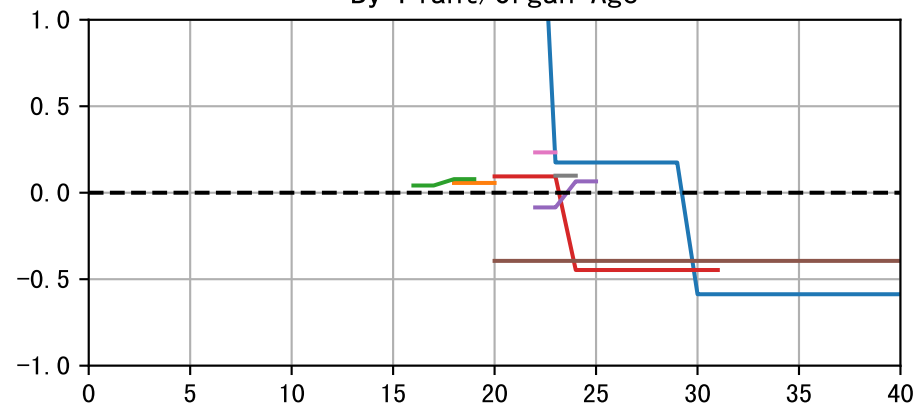
a (Def=0.45 Set=0.61)
avg1=0.61~43% avg2=na



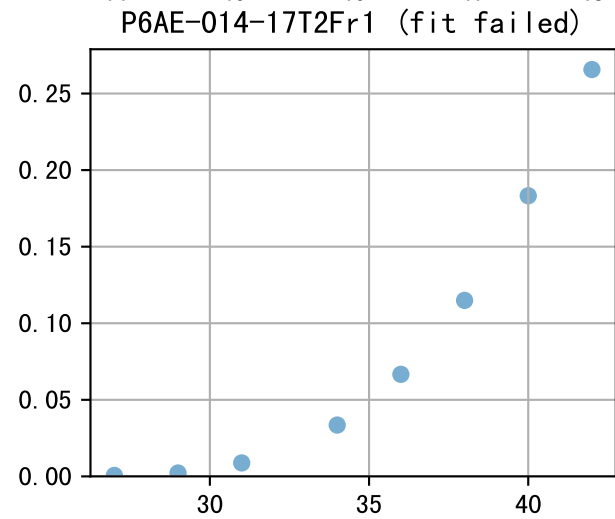
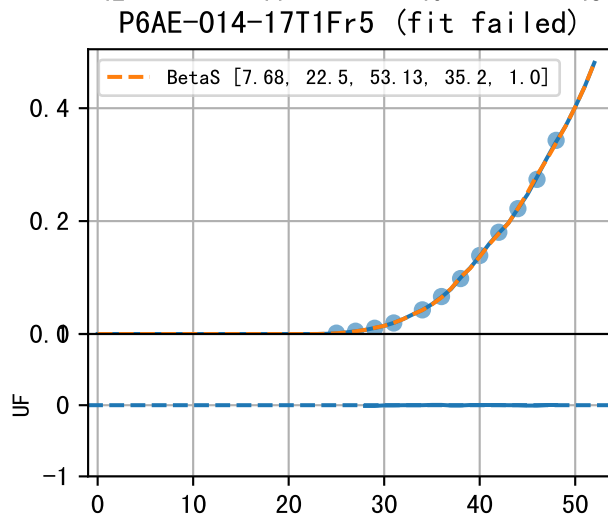
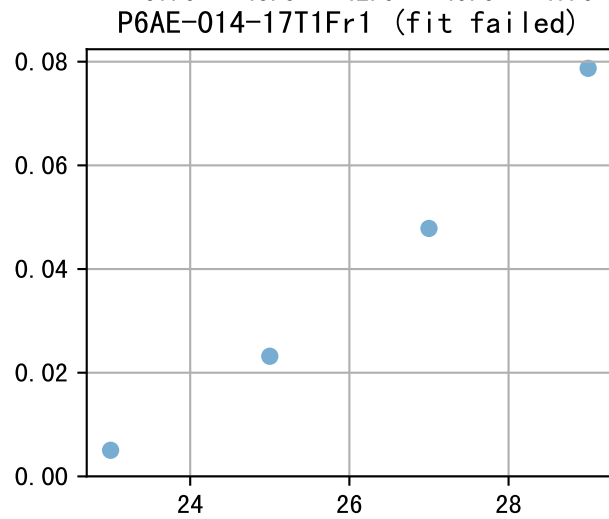
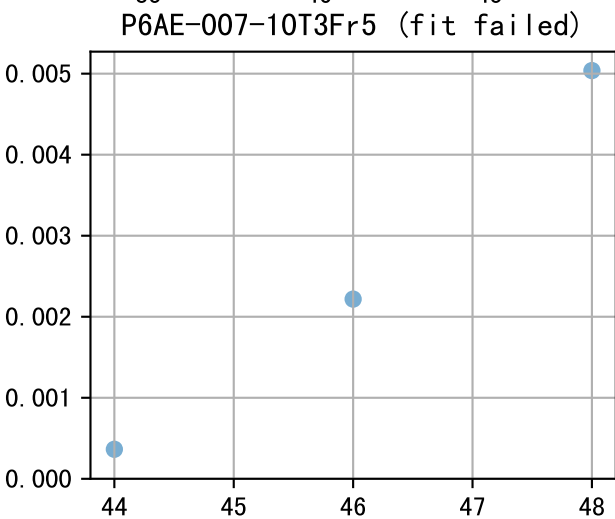
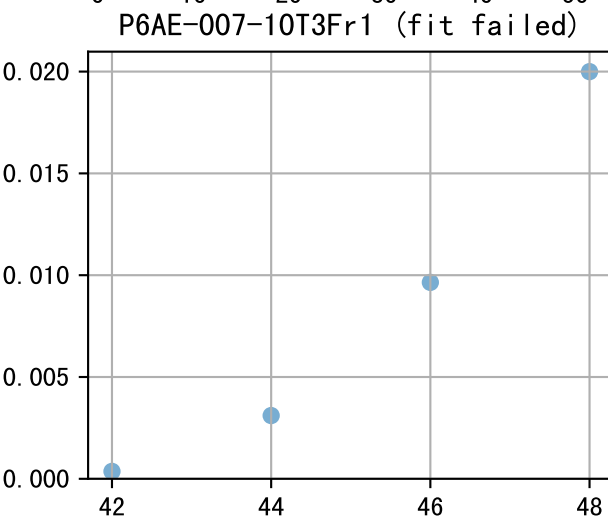
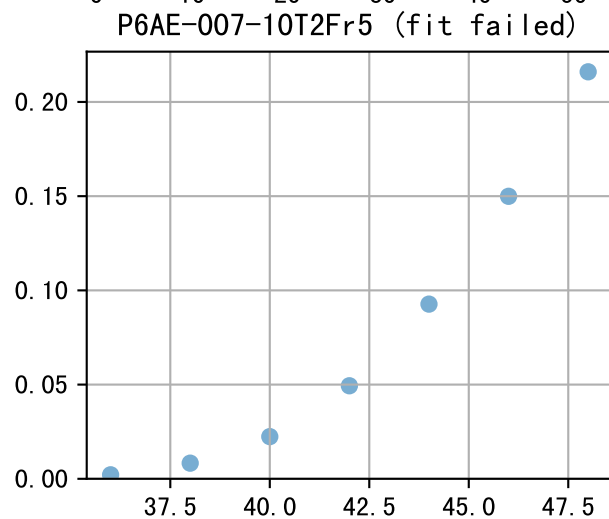
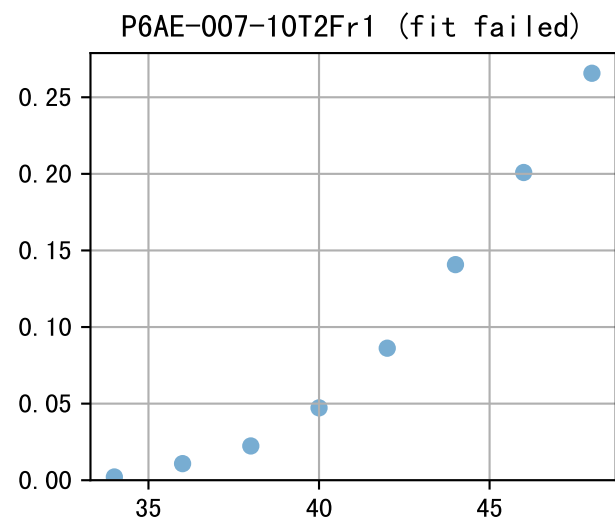
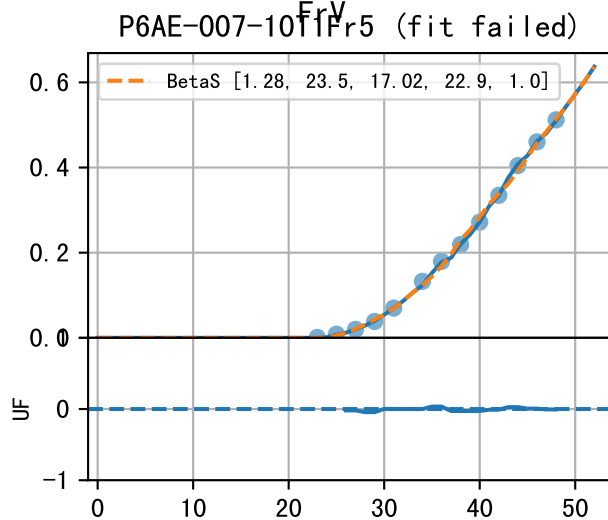
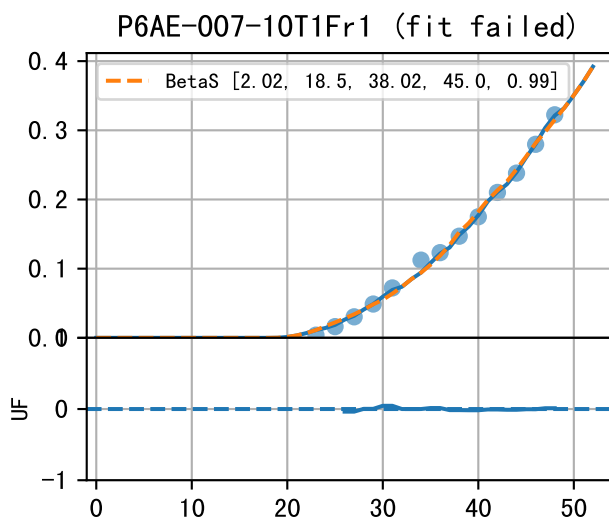
By Start Date



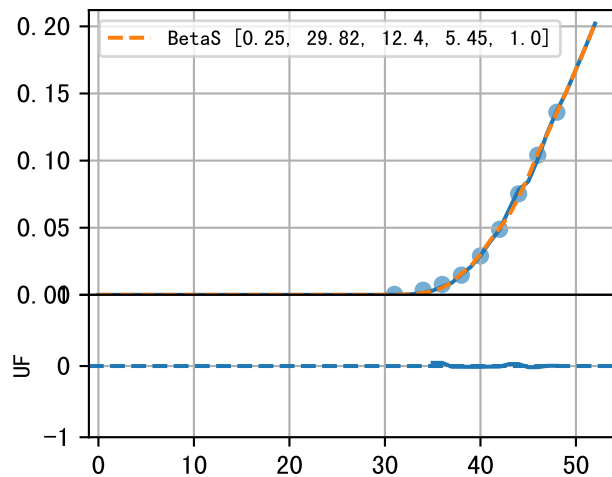
By Plant/Organ Age



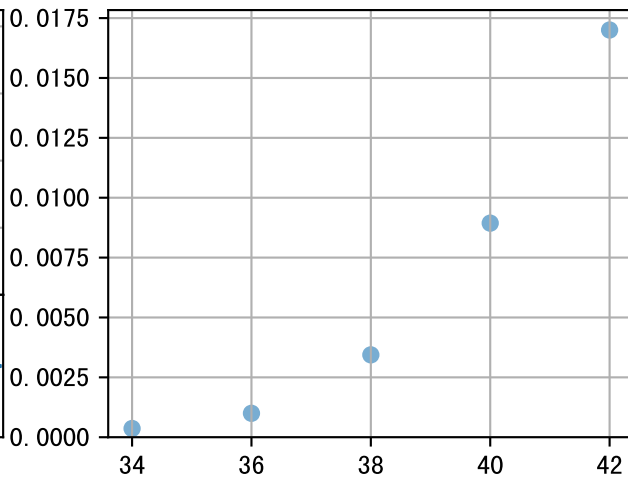
FrV



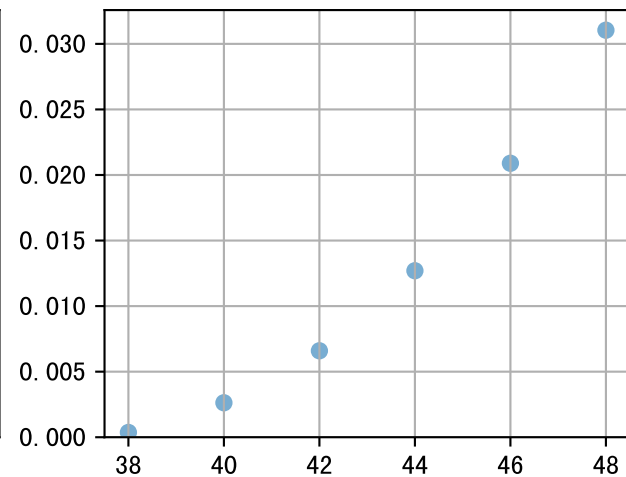
P6AE-014-17T2Fr5



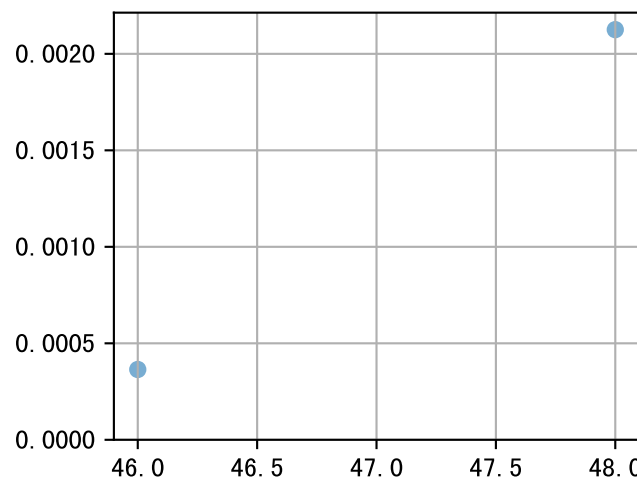
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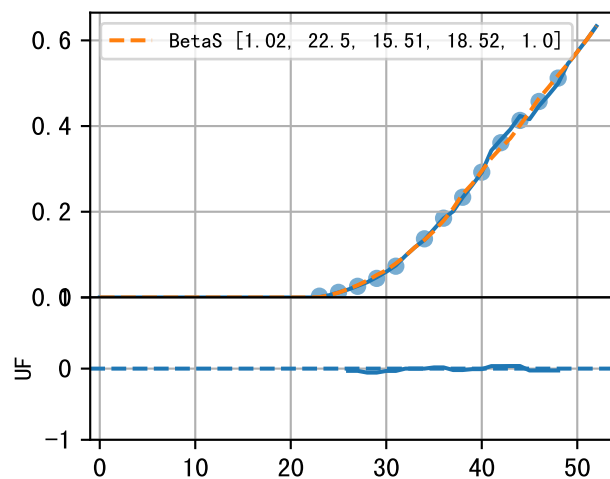
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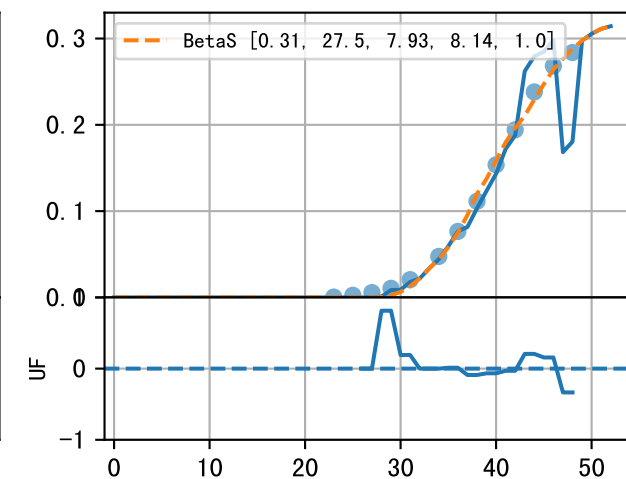
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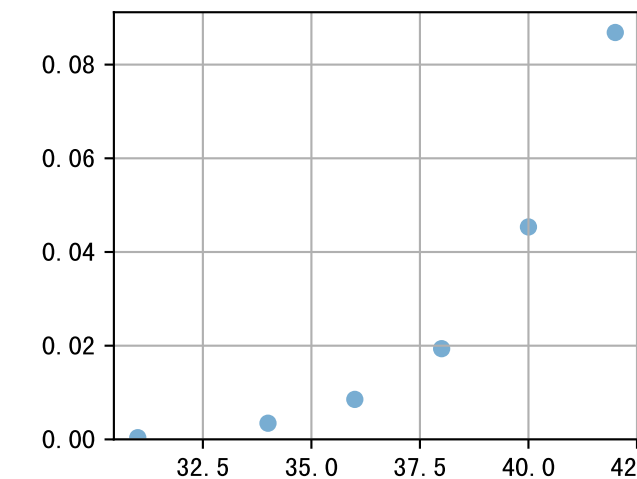
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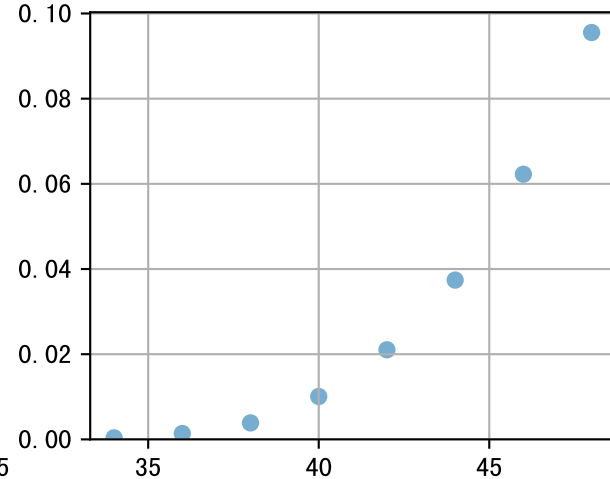
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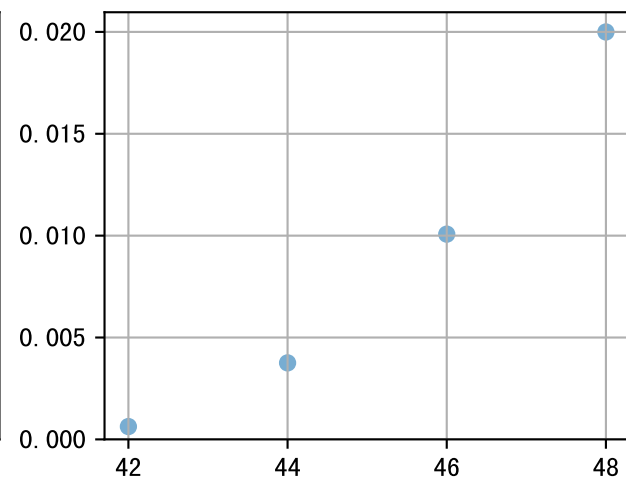
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P6AE-026-25T2Fr5 (fit failed)

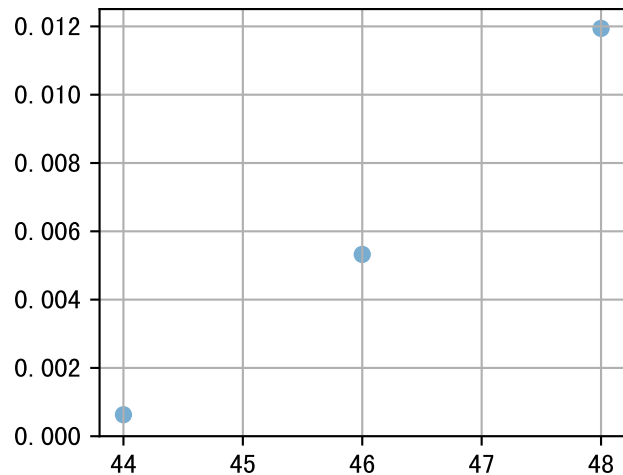


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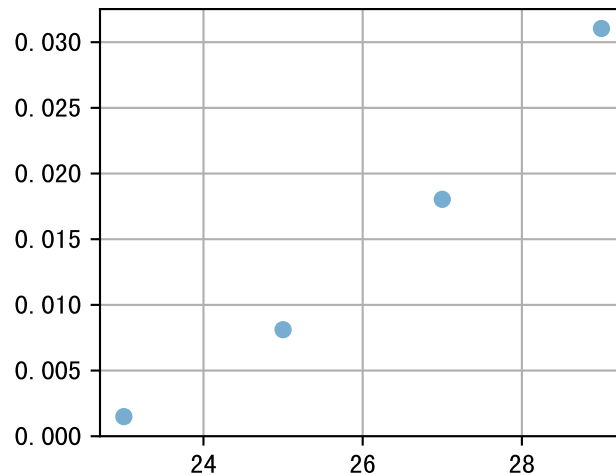


FrV

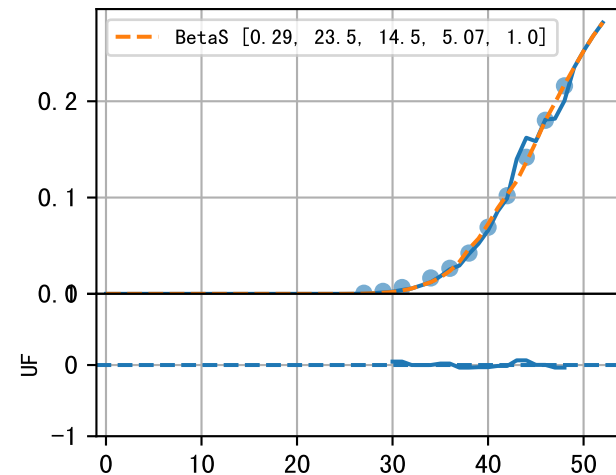
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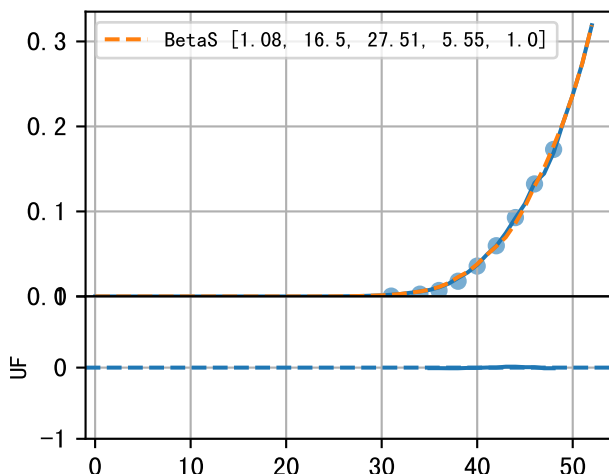
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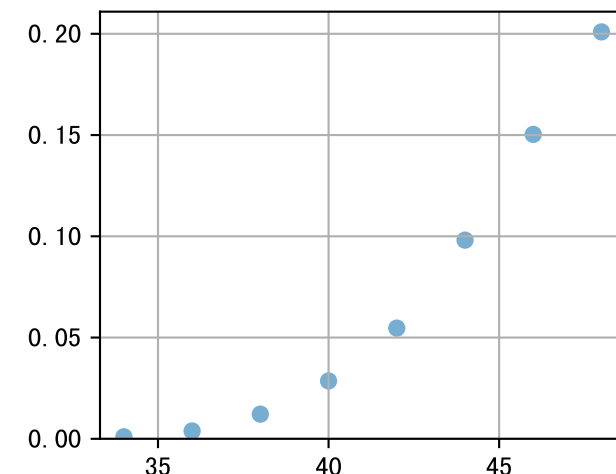
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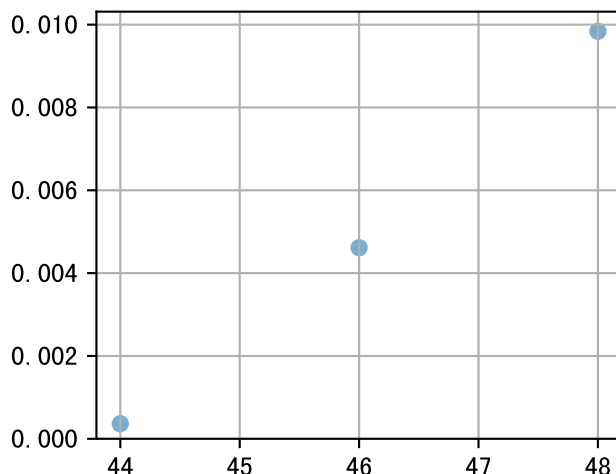
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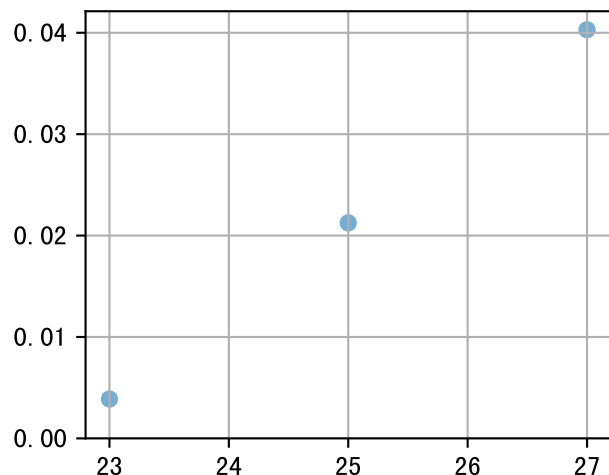
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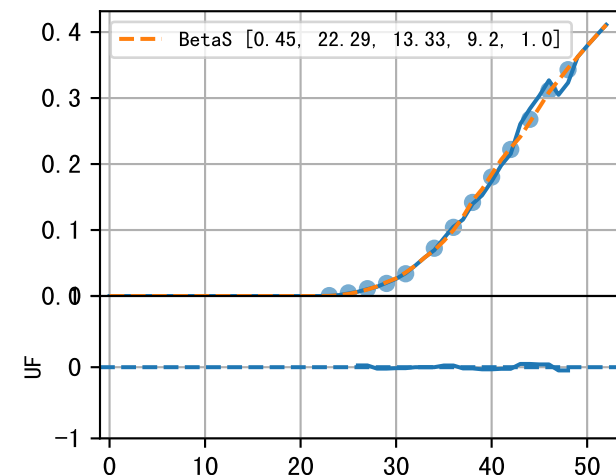
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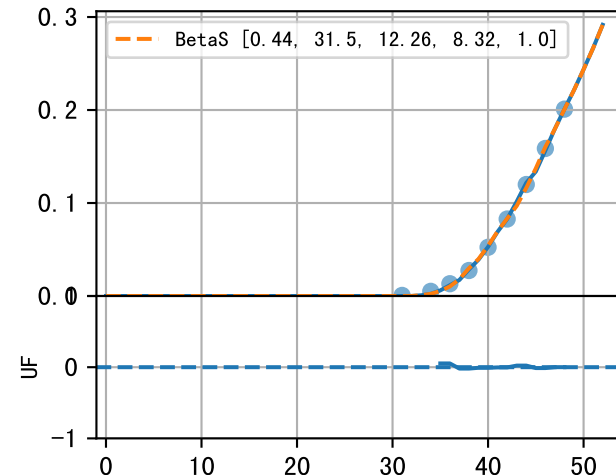
P6AE-045-12T1Fr1 (fit failed)



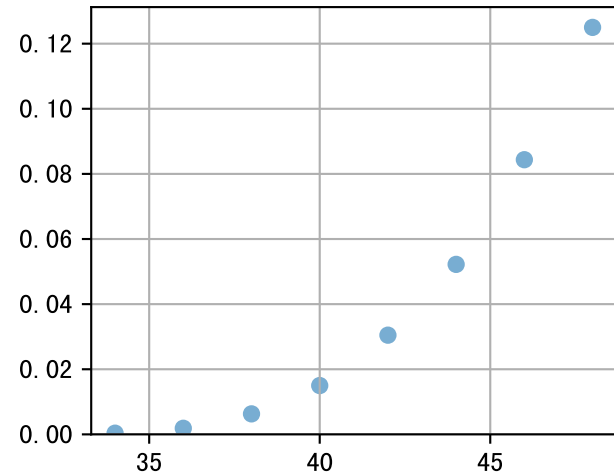
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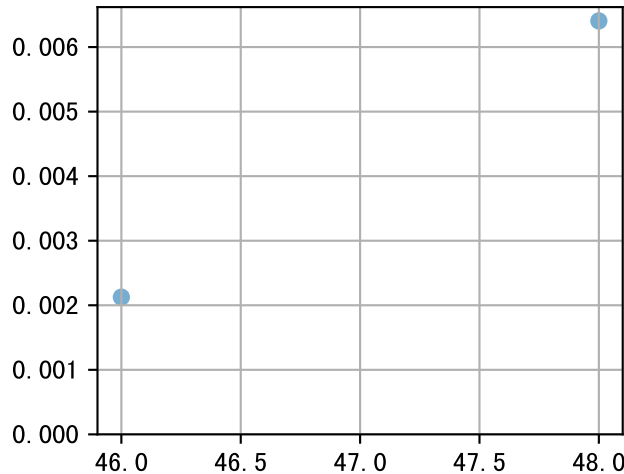
P6AE-045-12T2Fr1 (fit failed)



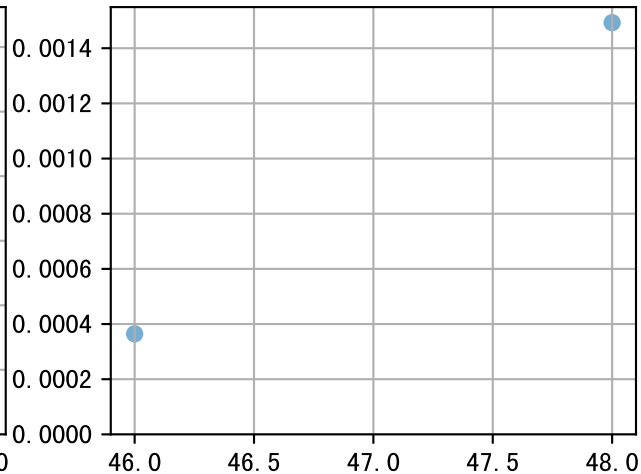
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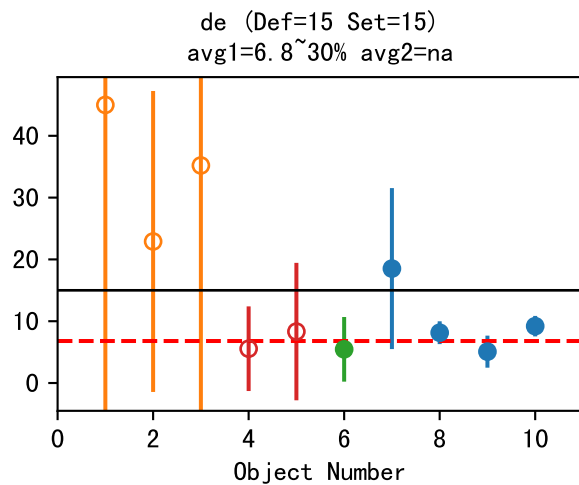
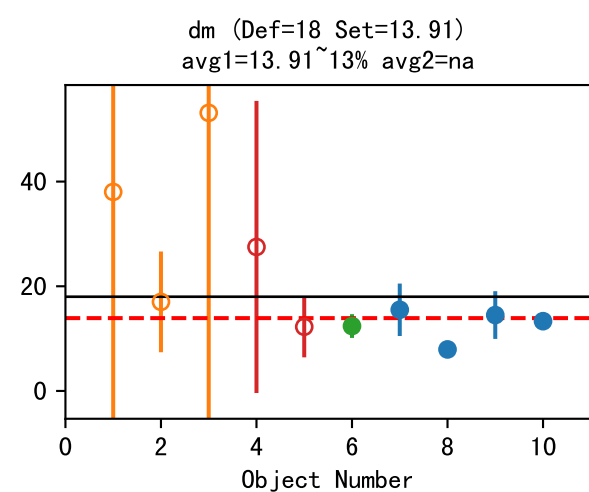
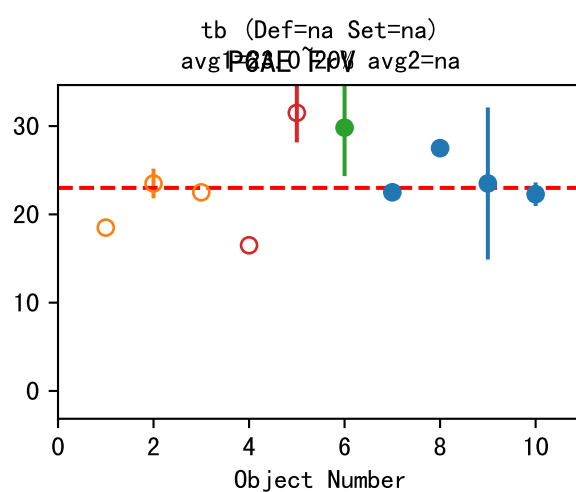
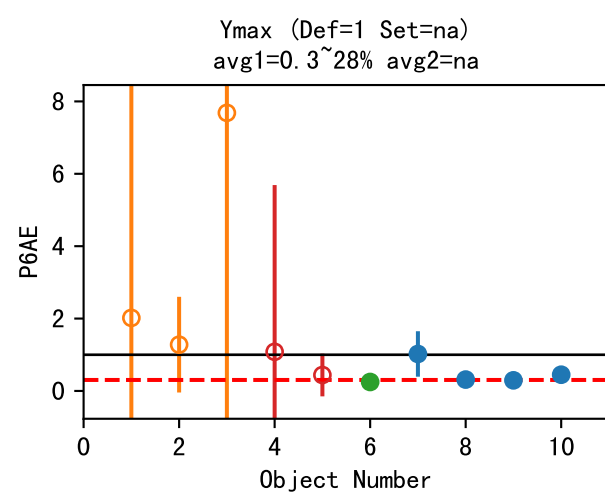


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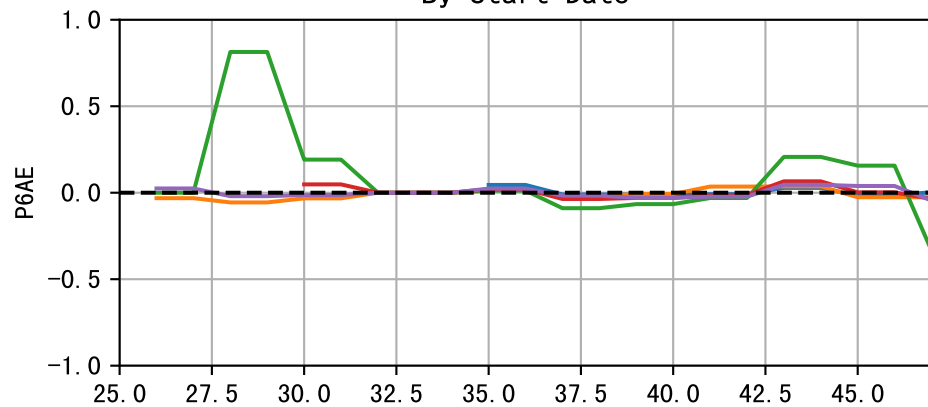


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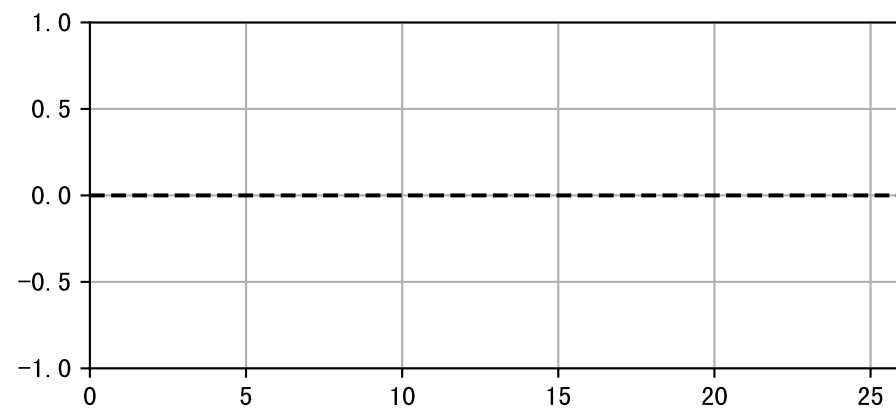
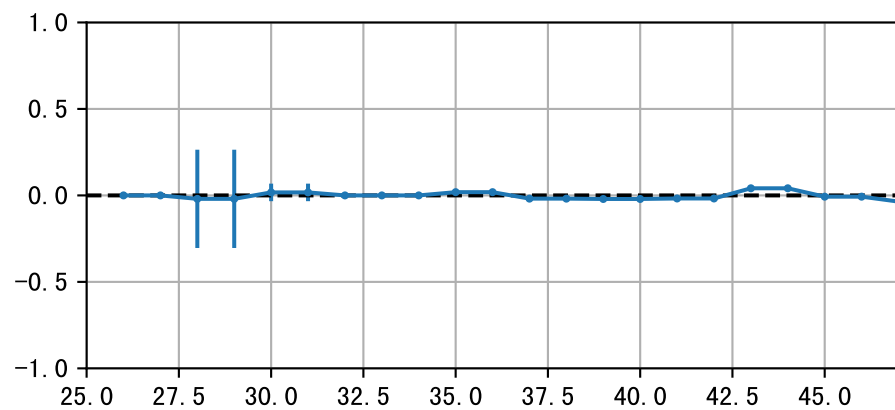
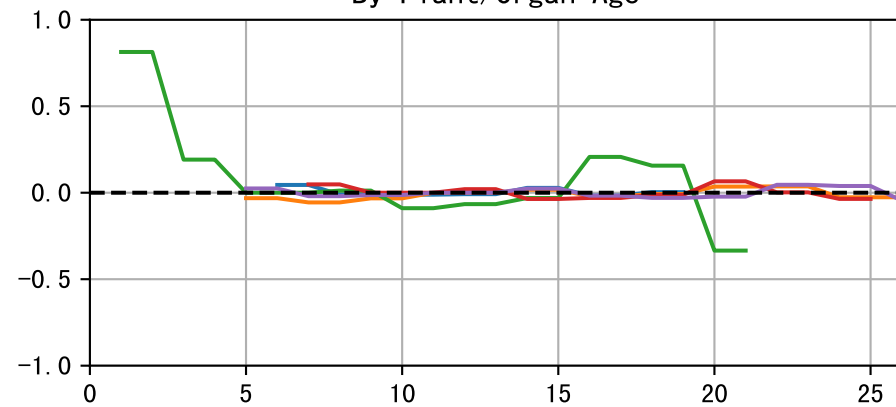




By Start Date



By Plant/Organ Age

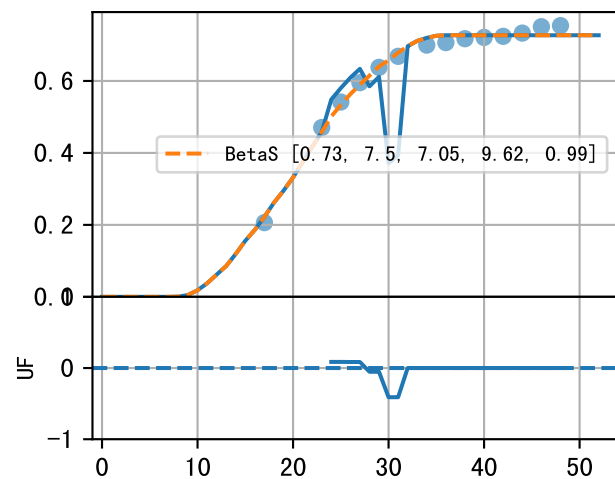
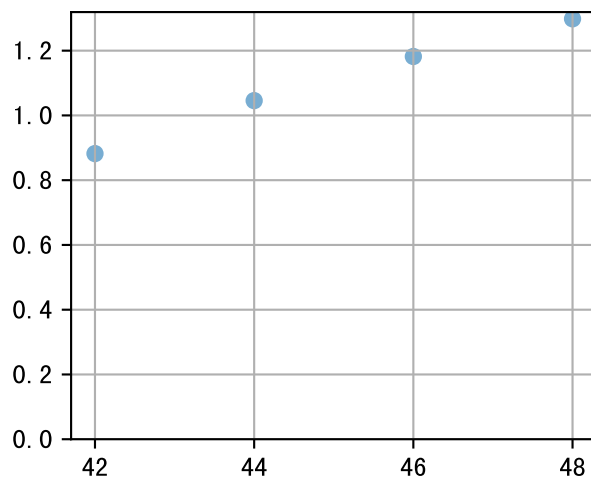
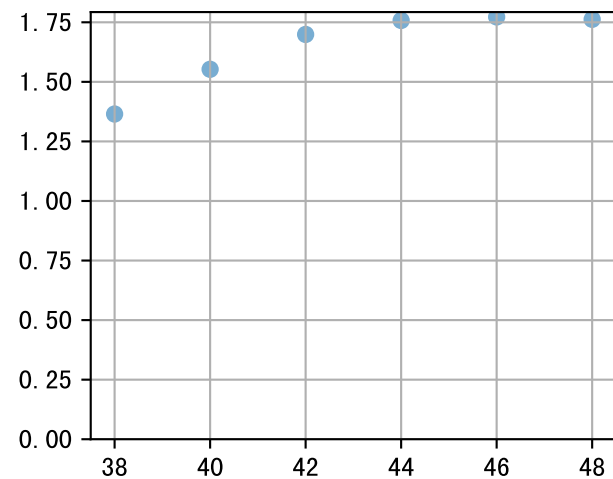


I_{FA}

P6AE-007-10L13 (fit failed)

P6AE-007-10L16 (fit failed)

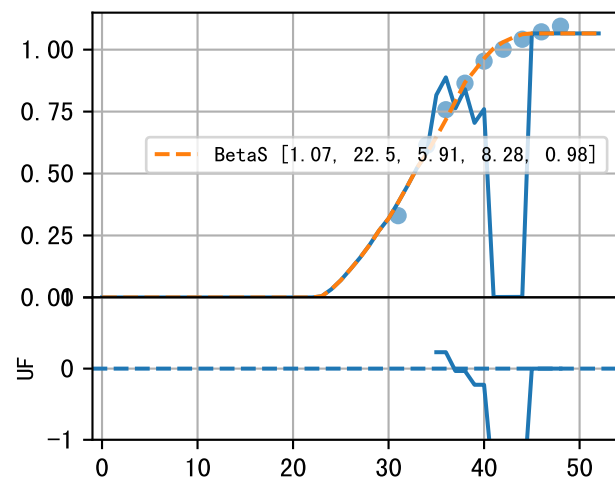
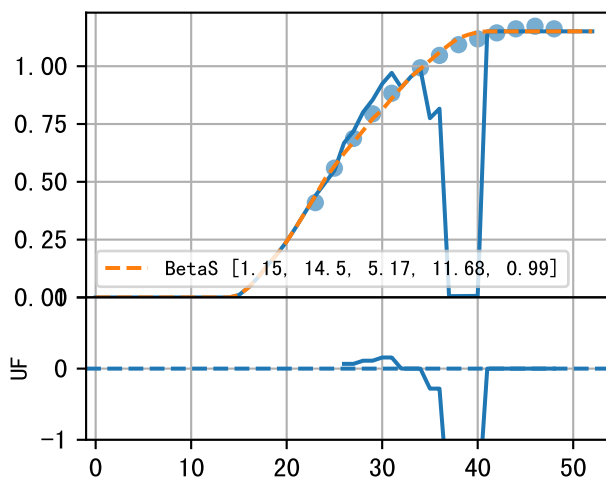
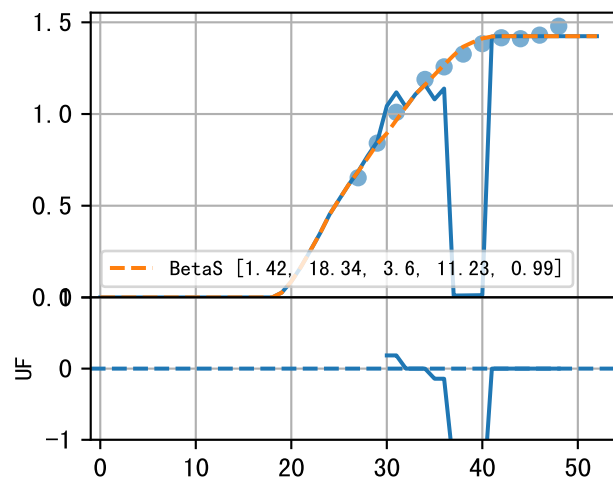
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P6AE-007-10L9 (fit failed)

P6AE-014-17L11

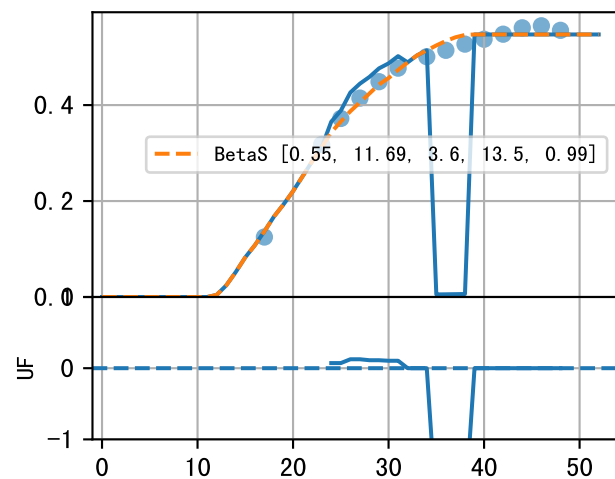
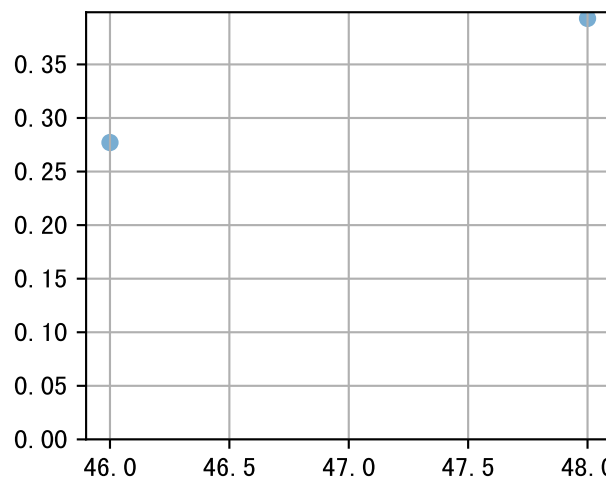
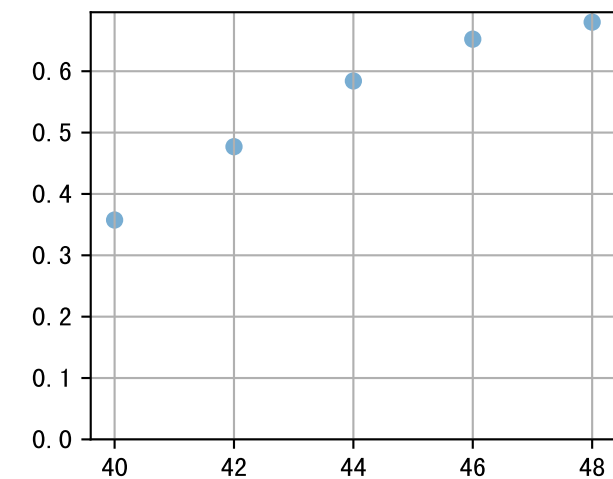
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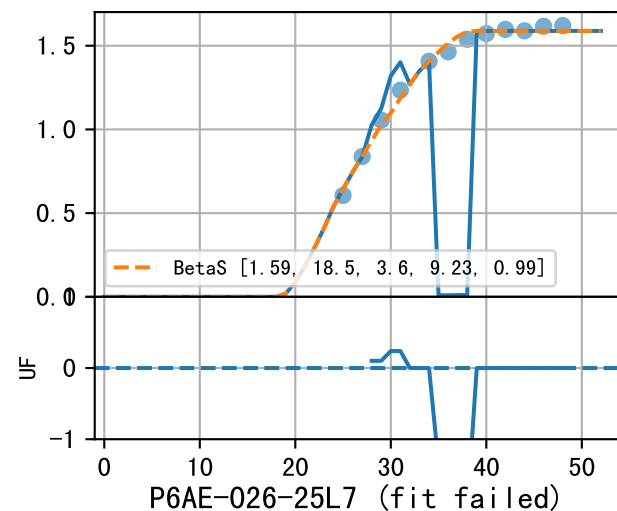
P6AE-014-17L17 (fit failed)

P6AE-014-17L19 (fit failed)

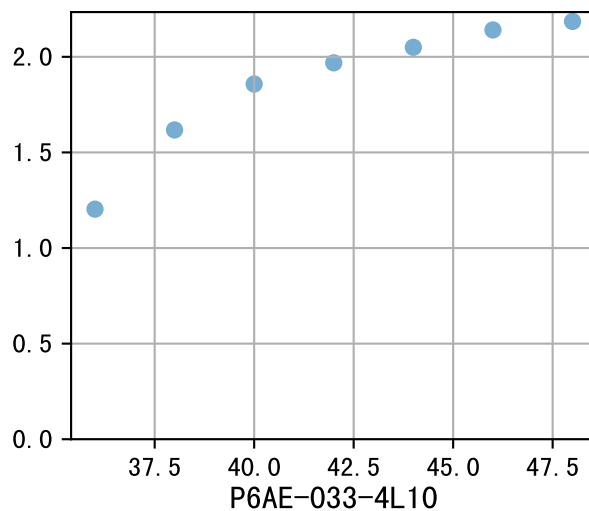
P6AE-014-17L8



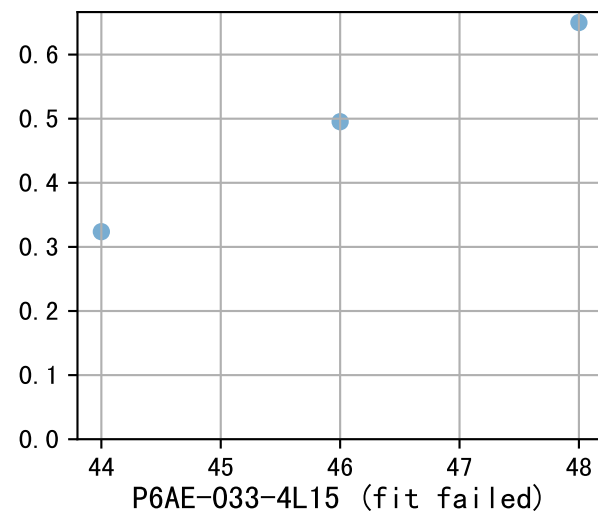
P6AE-026-25L10



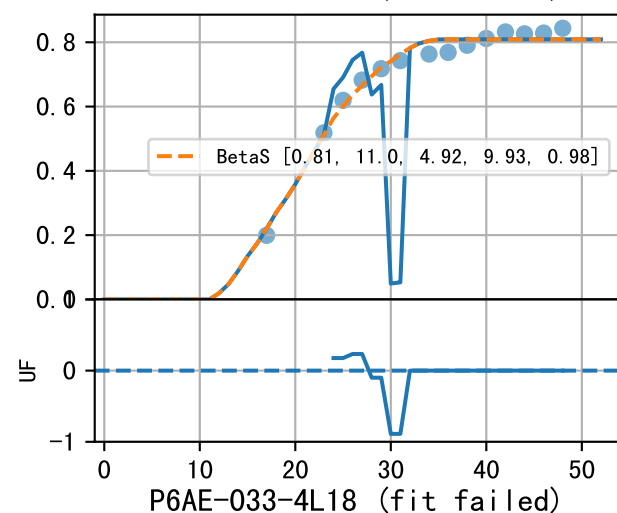
P6AE-026-25L13 (fit failed)



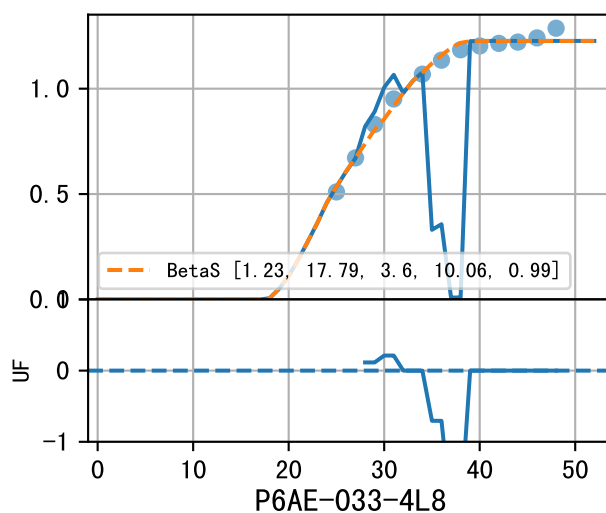
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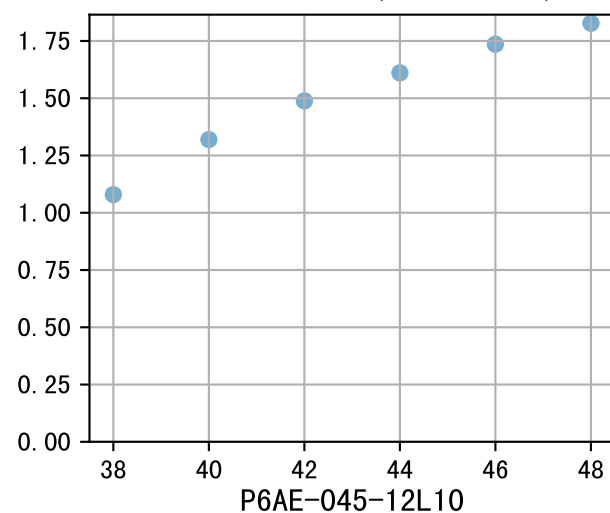
P6AE-026-25L7 (fit failed)



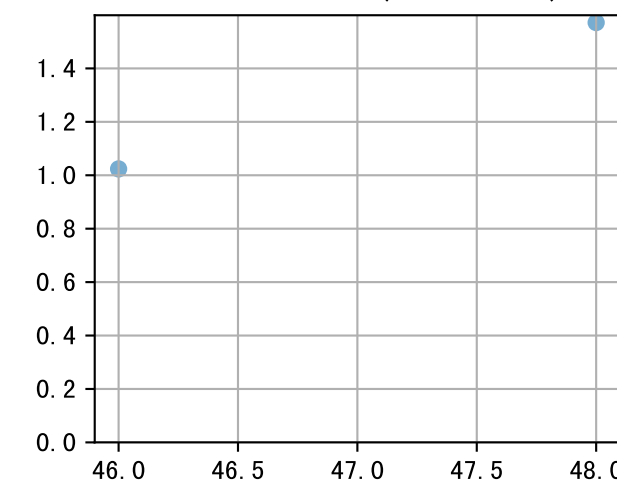
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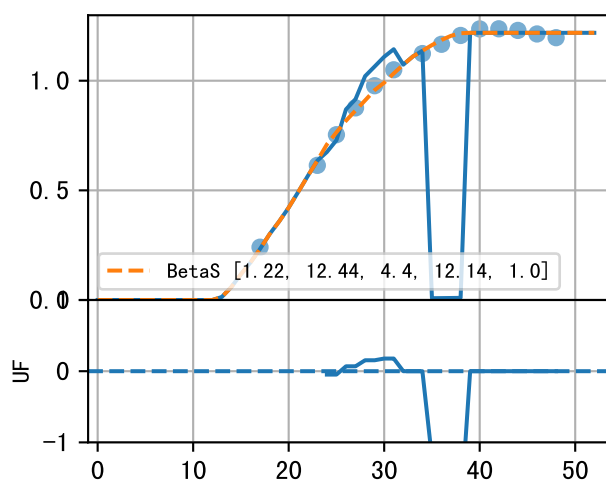
P6AE-033-4L15 (fit failed)



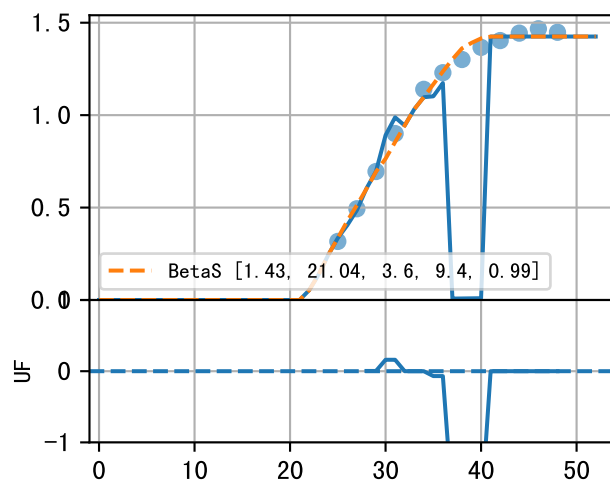
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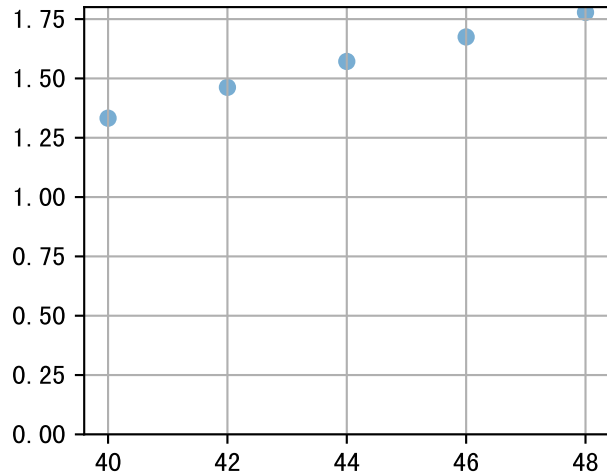
P6AE-033-4L8



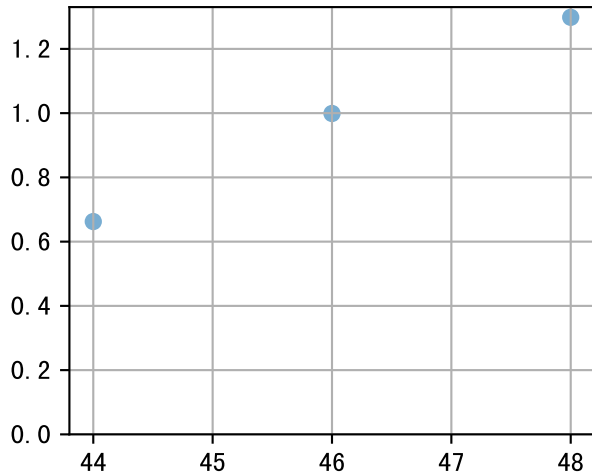
P6AE-045-12L10



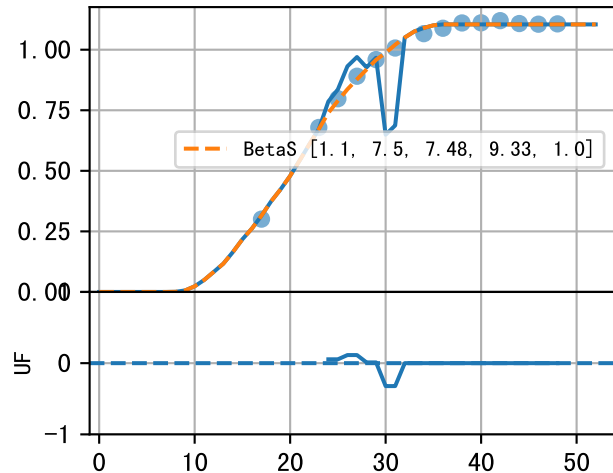
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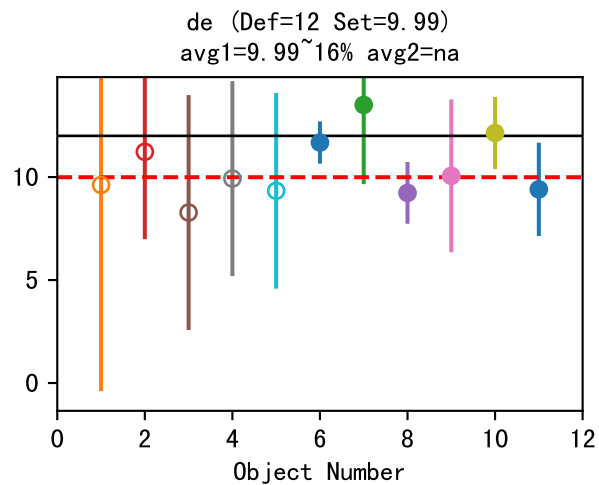
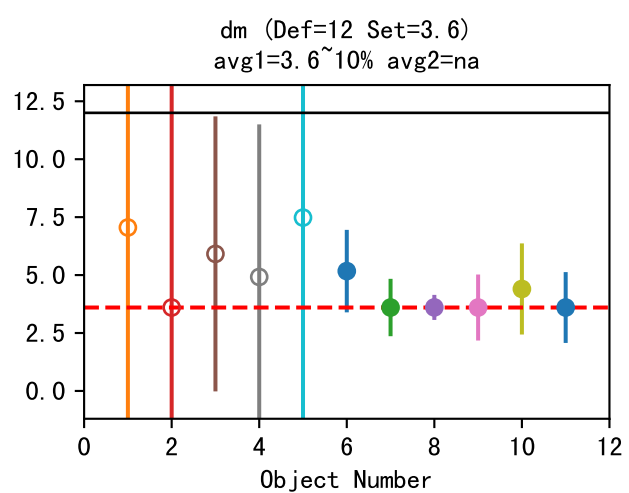
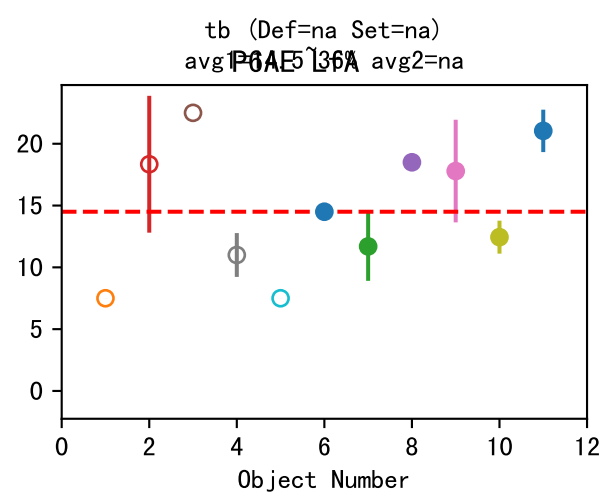
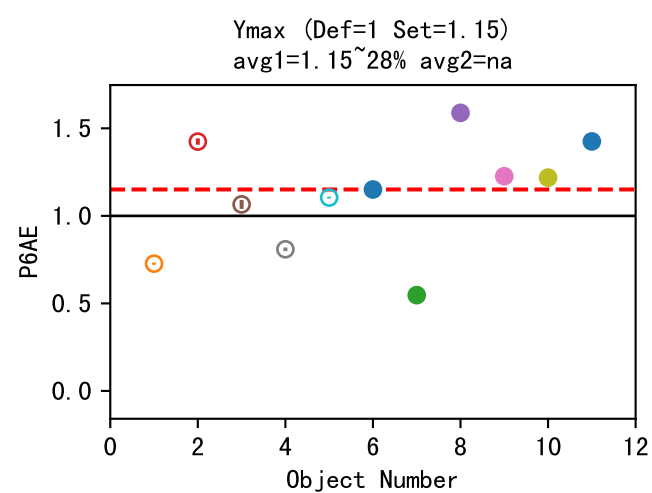


P6AE-045-12L17 (fit failed)

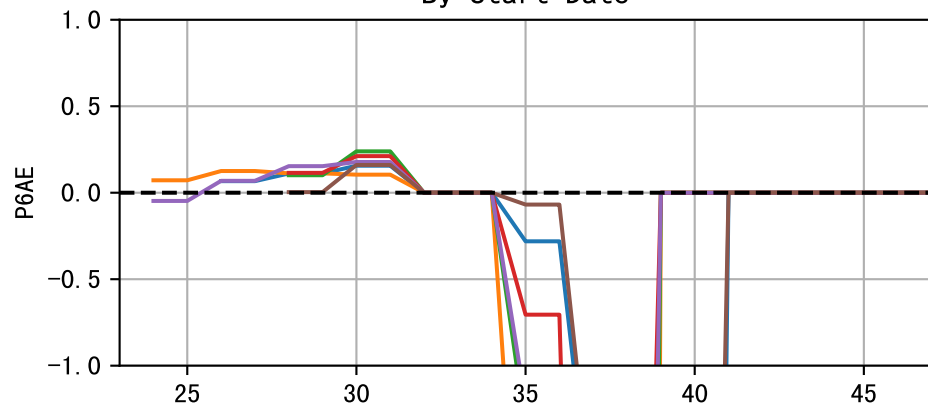


P6AE-045-12L7 (fit failed)

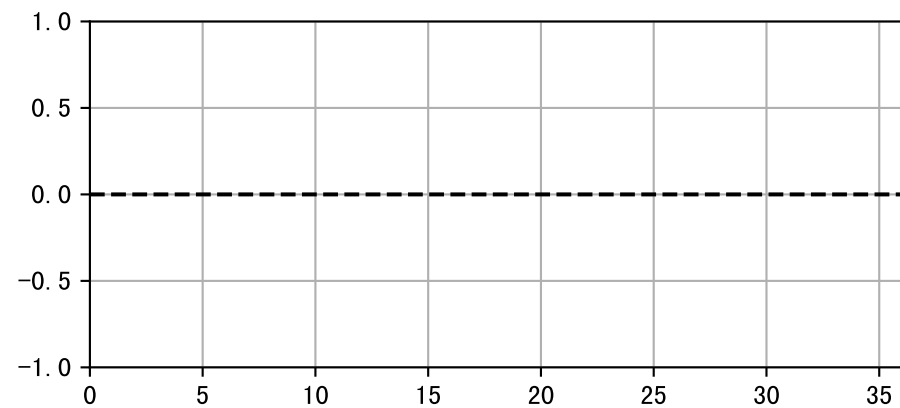
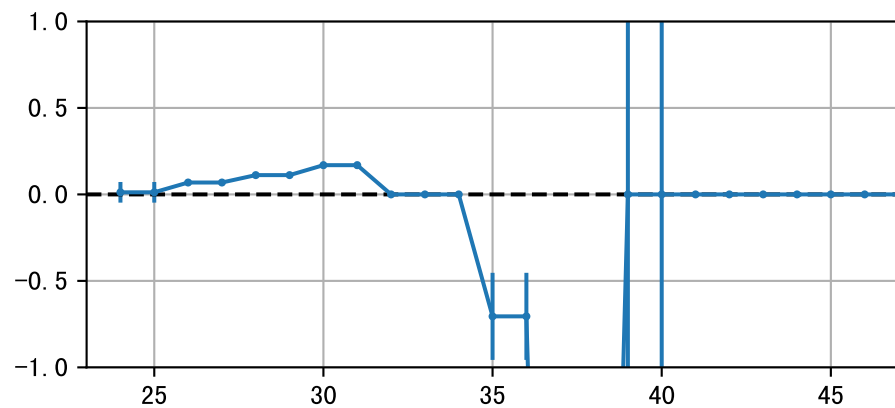
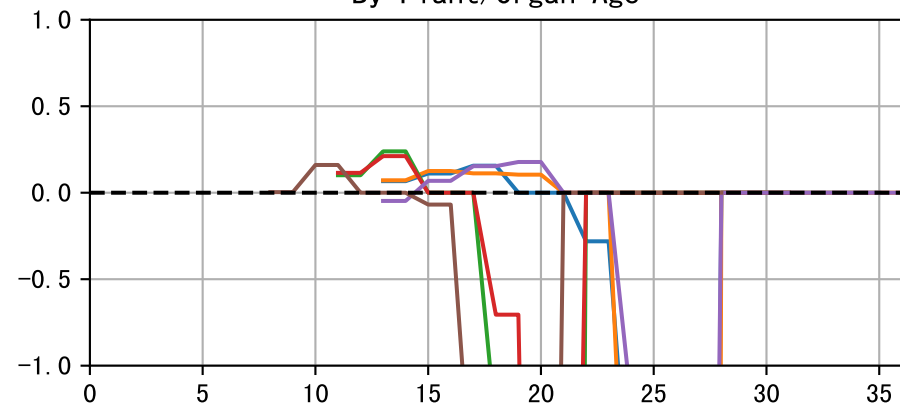


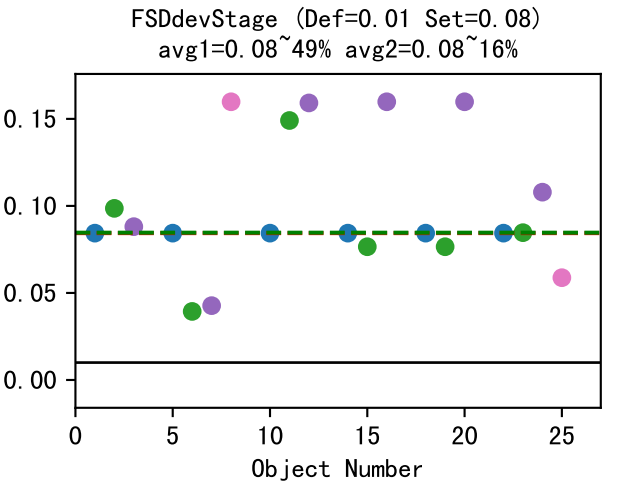
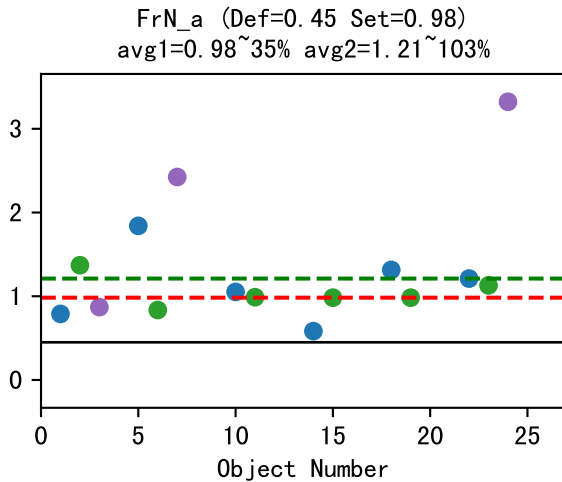
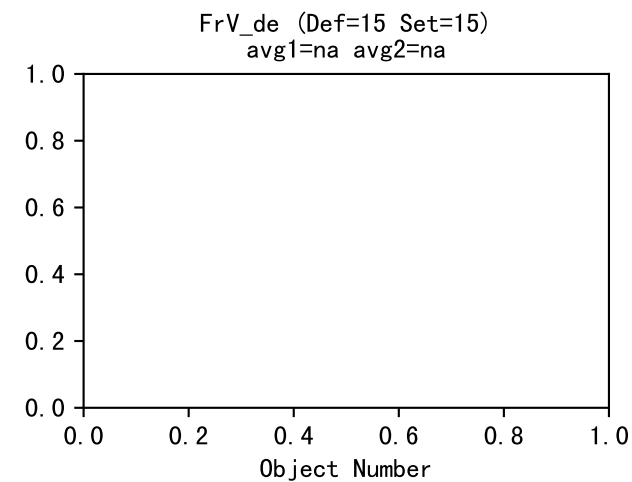
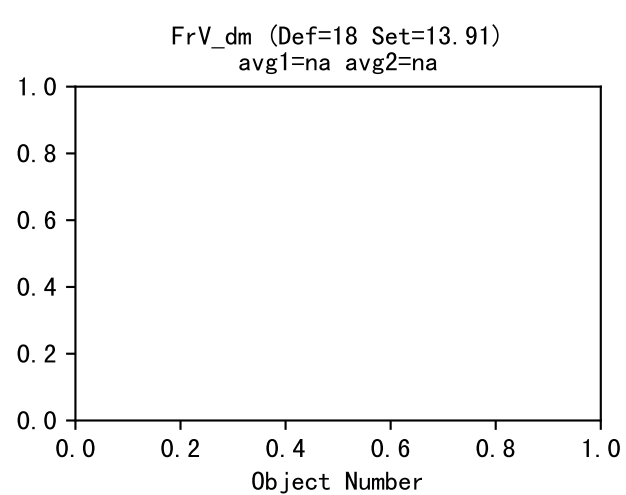
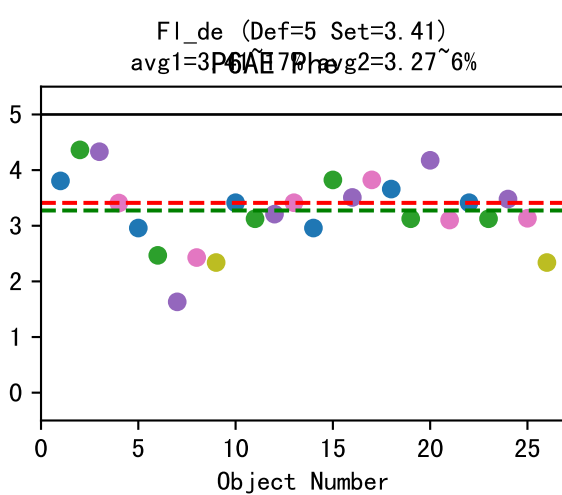
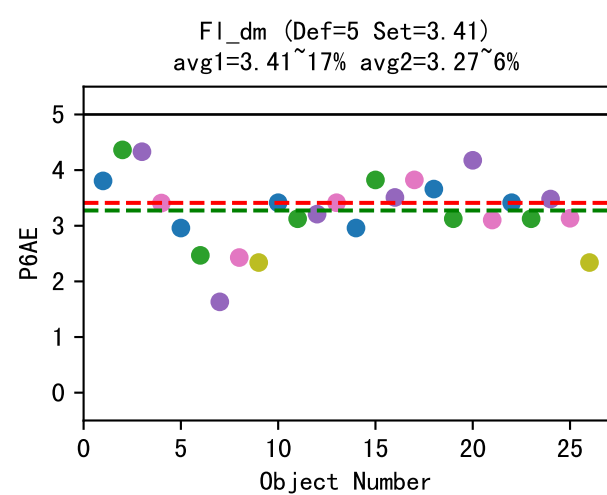


By Start Date

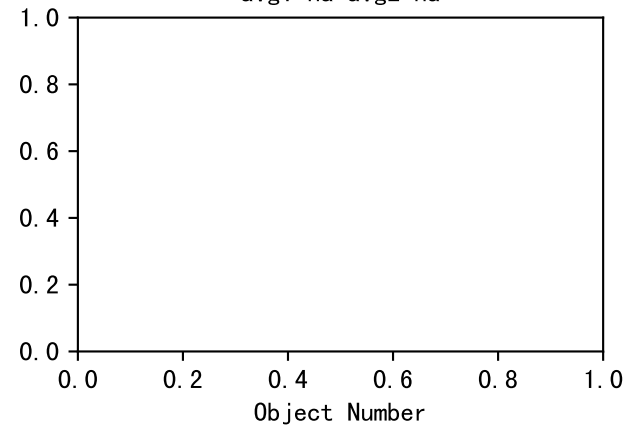


By Plant/Organ Age

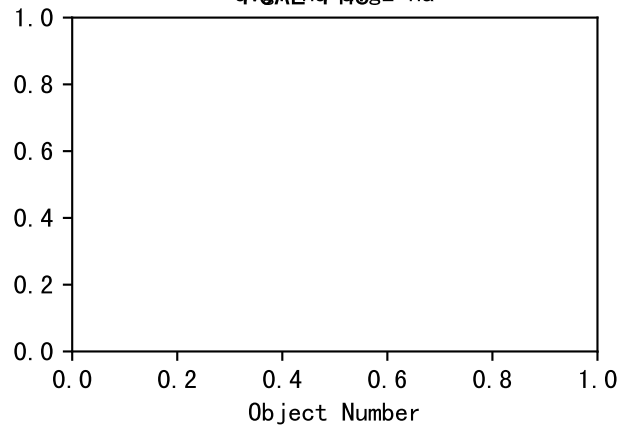




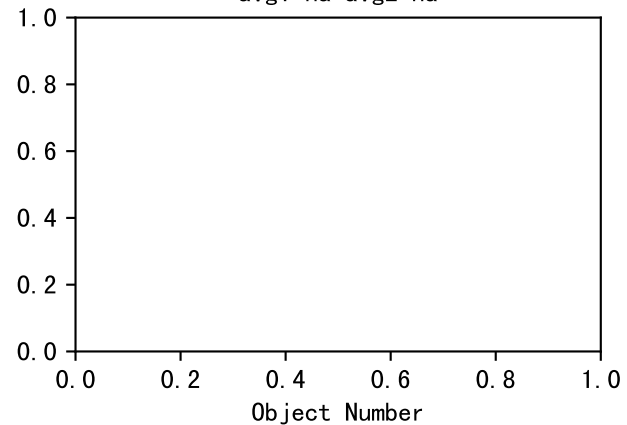
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



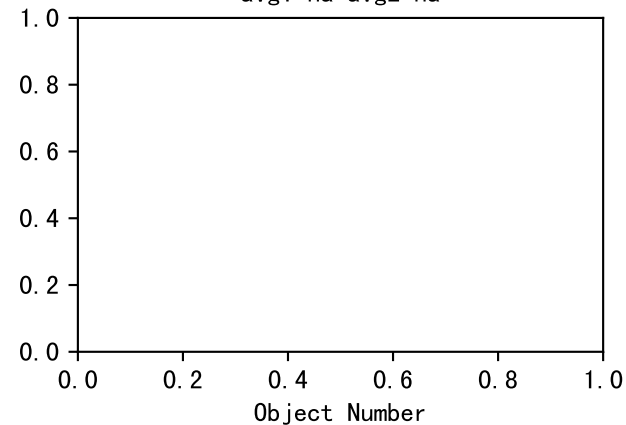
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



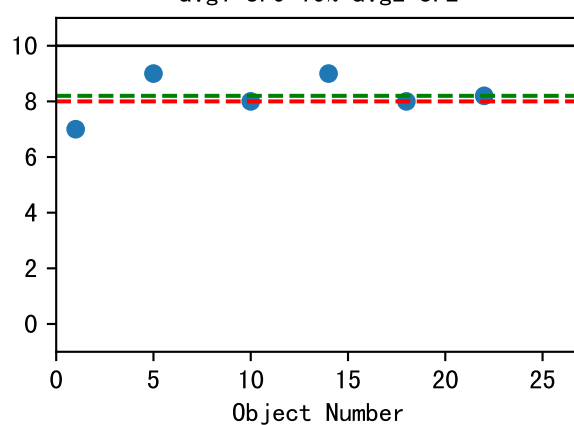
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

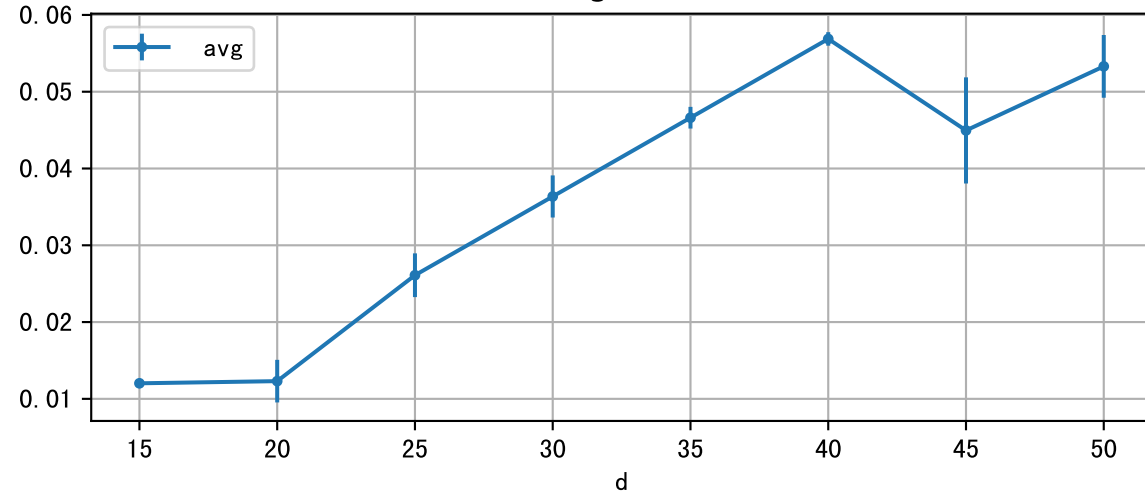


NNgen (Def=10 Set=8)
avg1=8.0~10% avg2=8.2

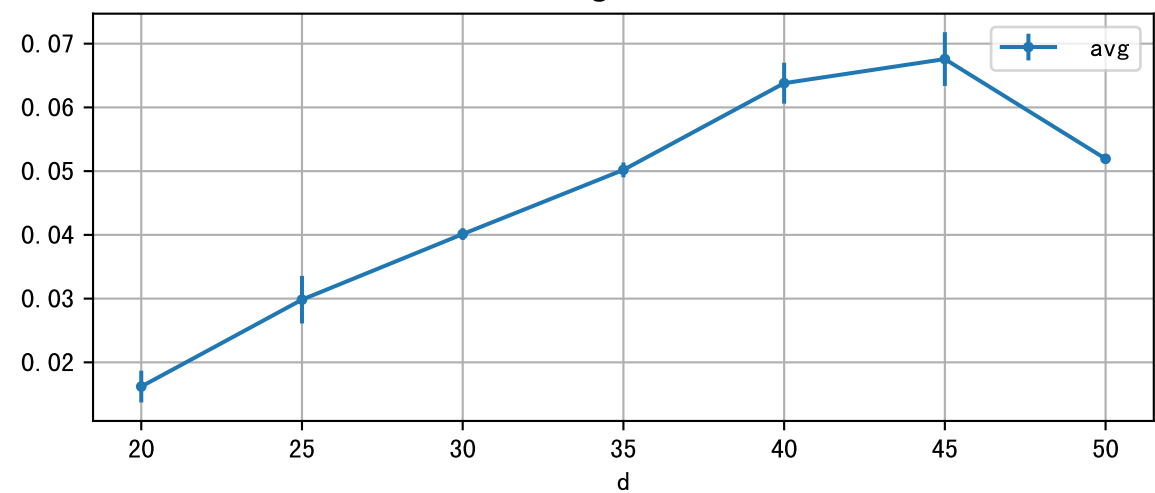


LfA: avg vs. d at each age group

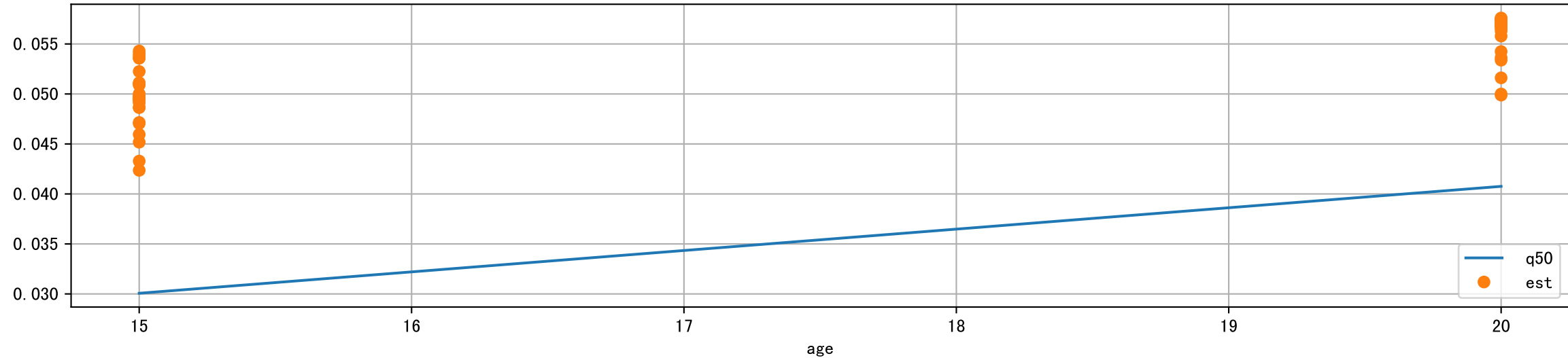
age=15



age=20

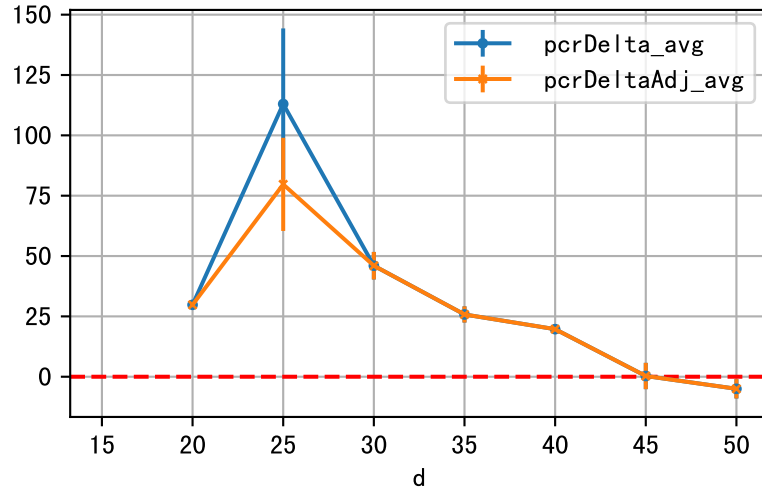


LfA: model est vs obs0v@Q50

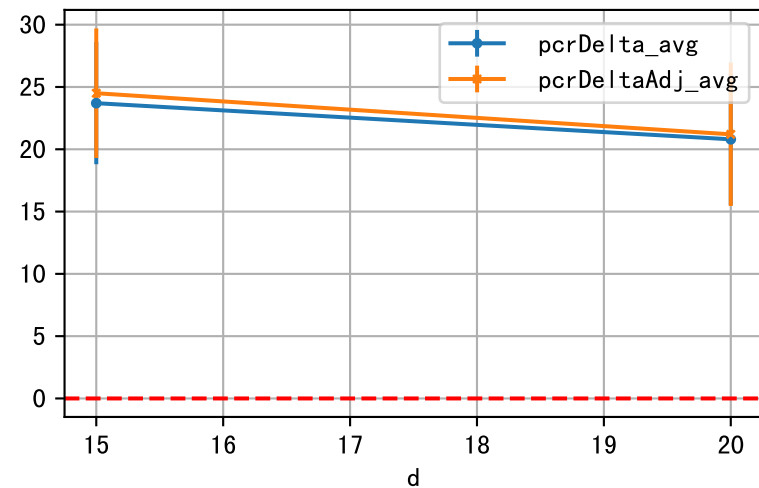


P6AE LfA: D_5d_LfA

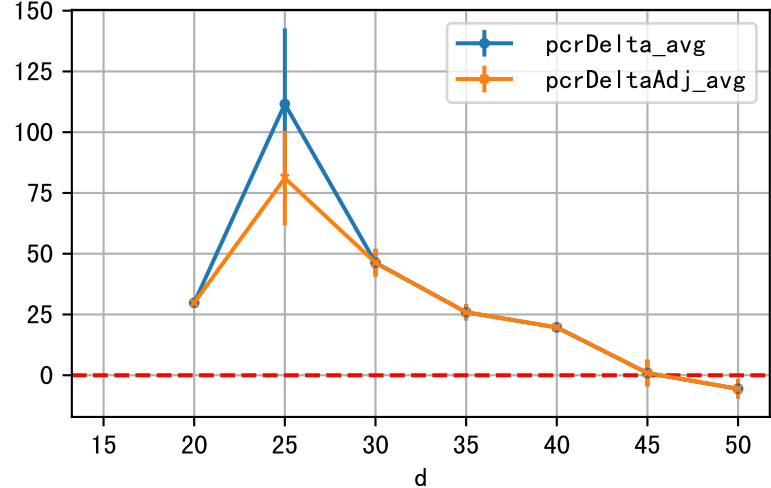
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

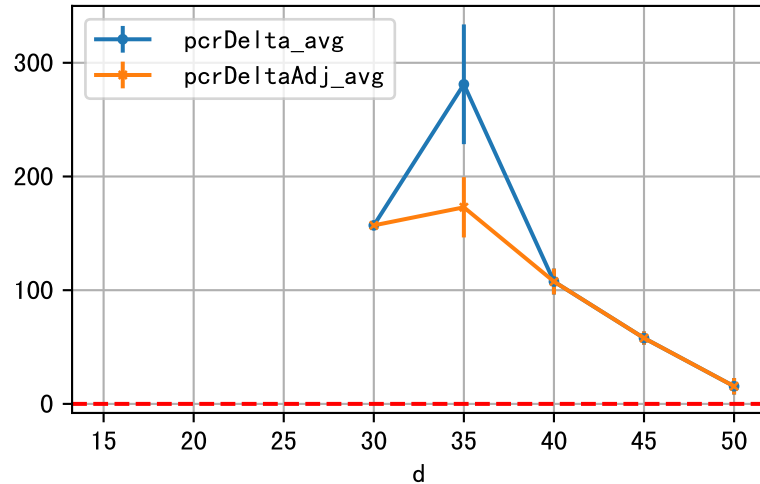
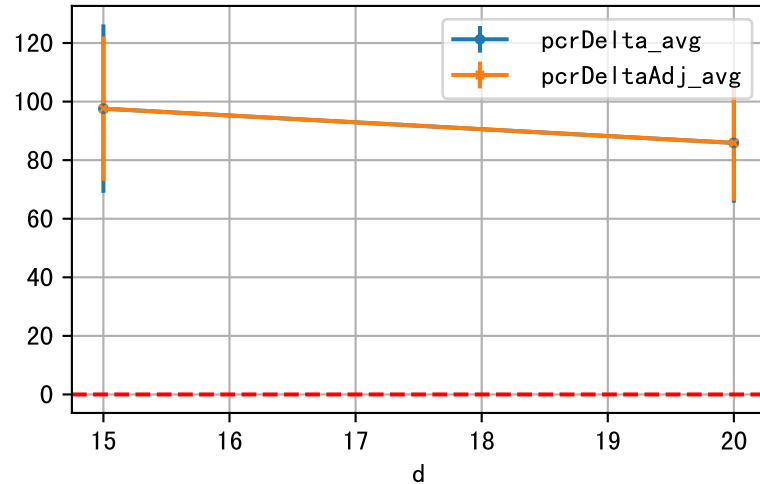


DeltaTypeAbbr=Wei AvgByD

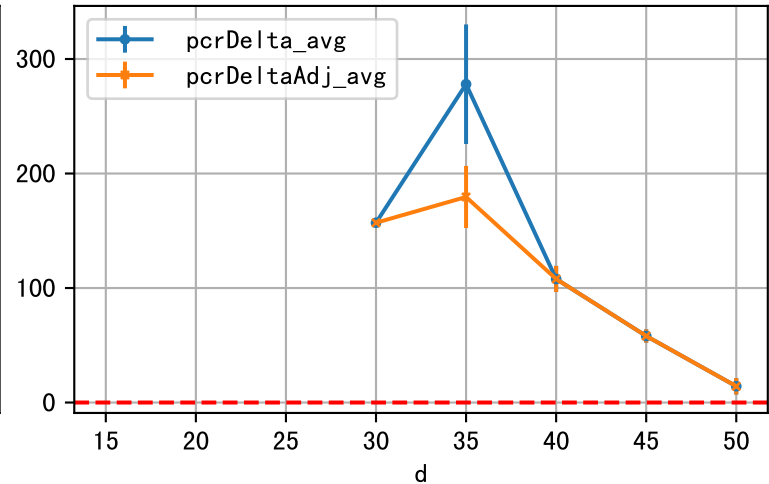


P6AE LfA: D_15d_LfA

DeltaTypeAbbr=GrpByDay

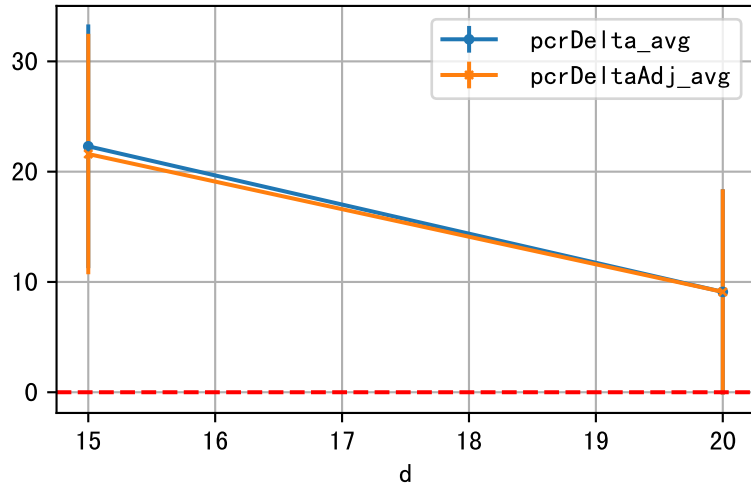


DeltaTypeAbbr=Wei AvgByD

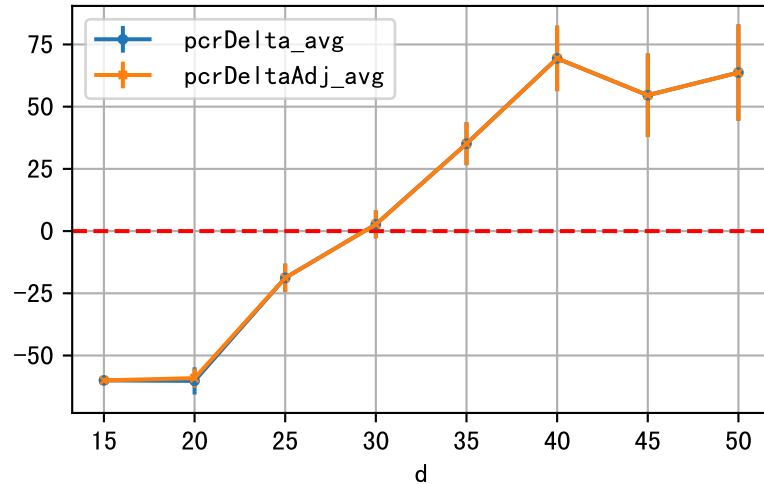


P6AE LfA: D_Q50_LfA

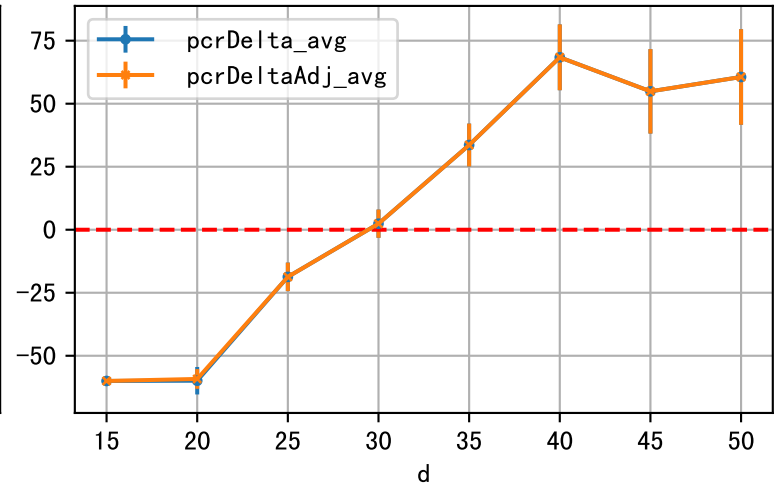
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

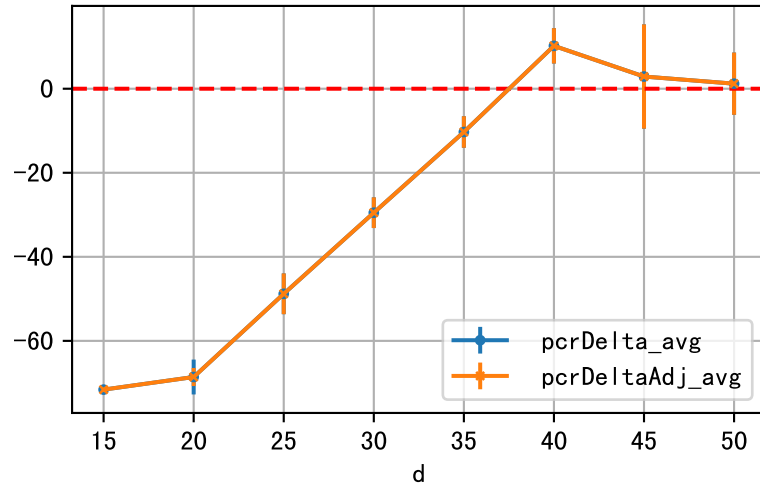


DeltaTypeAbbr=Wei AvgByD

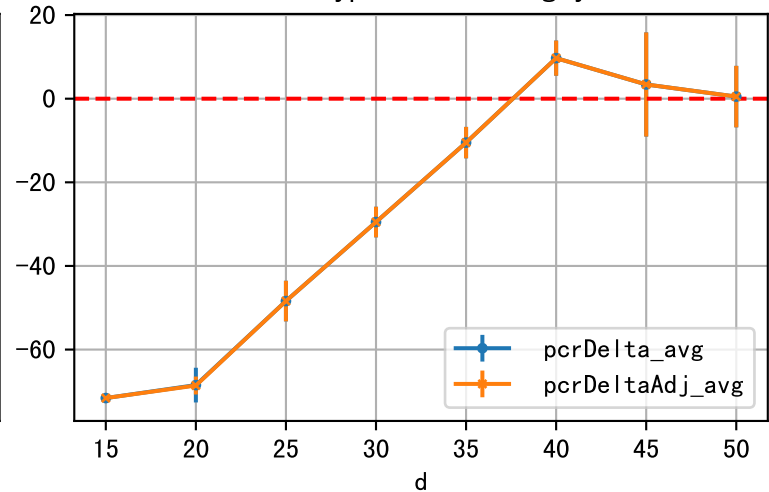


P6AE LfA: D_Est_LfA

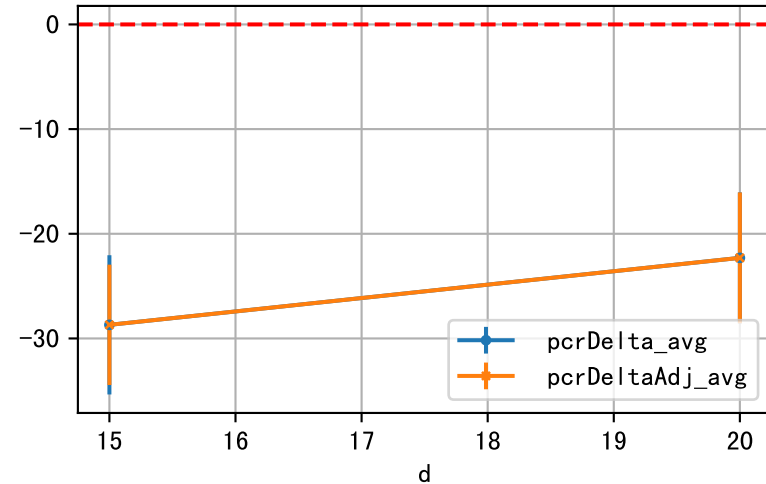
DeltaTypeAbbr=GrpByDay



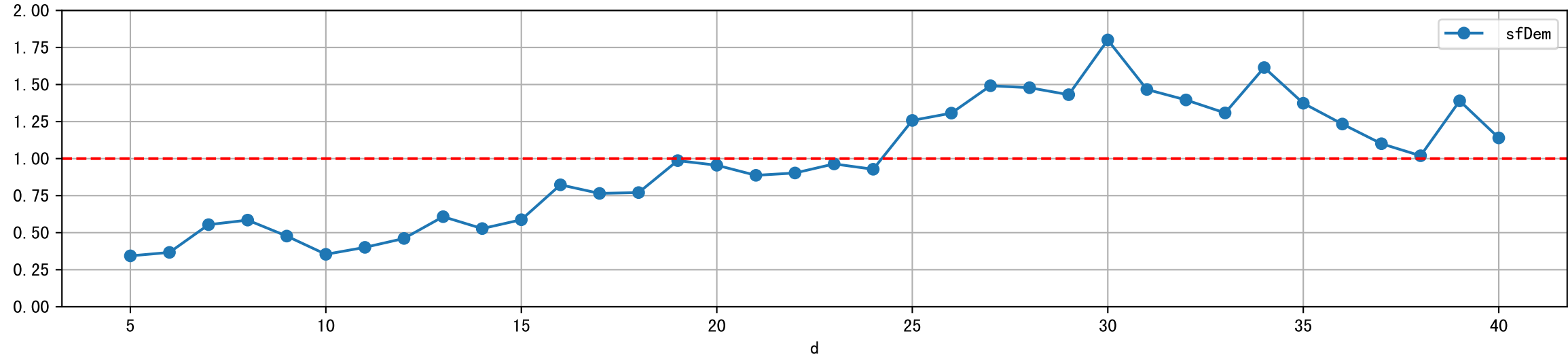
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge



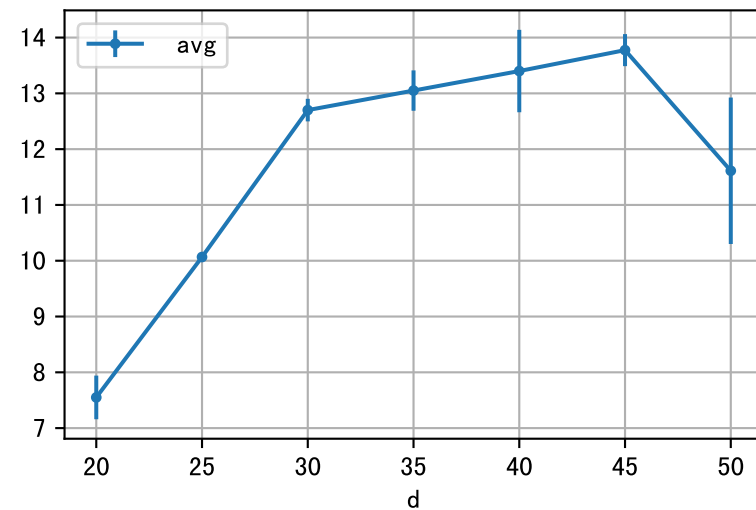
LfA: sfDem



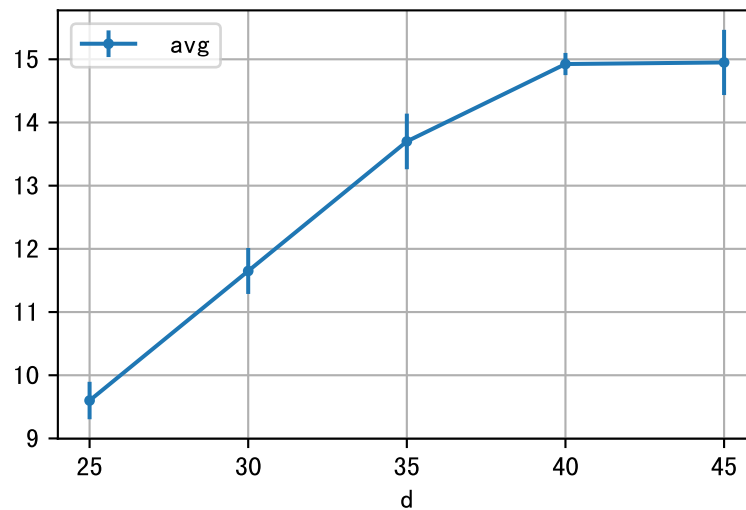


NdD: avg vs. d at each age group

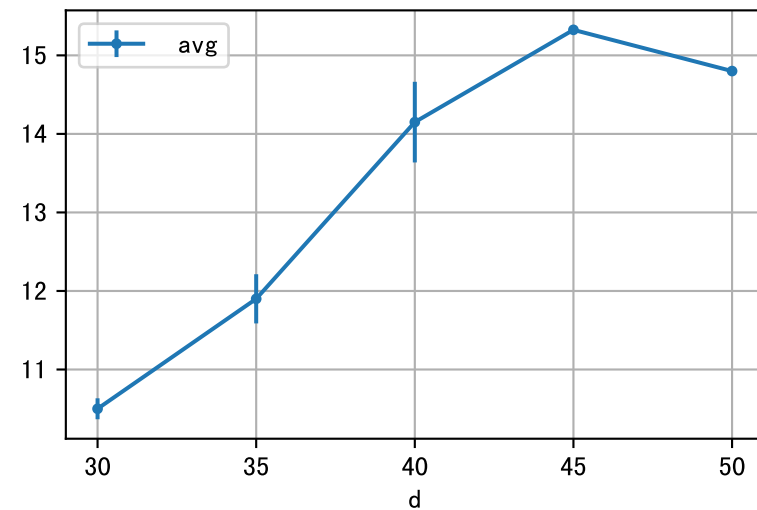
age=15



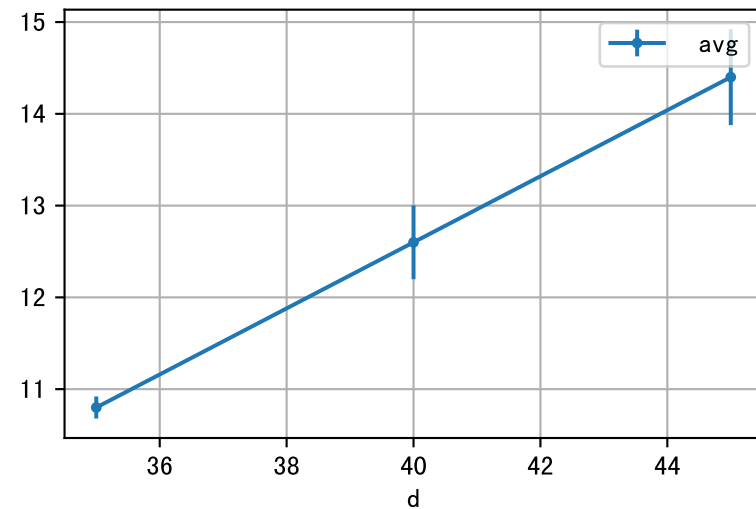
age=20



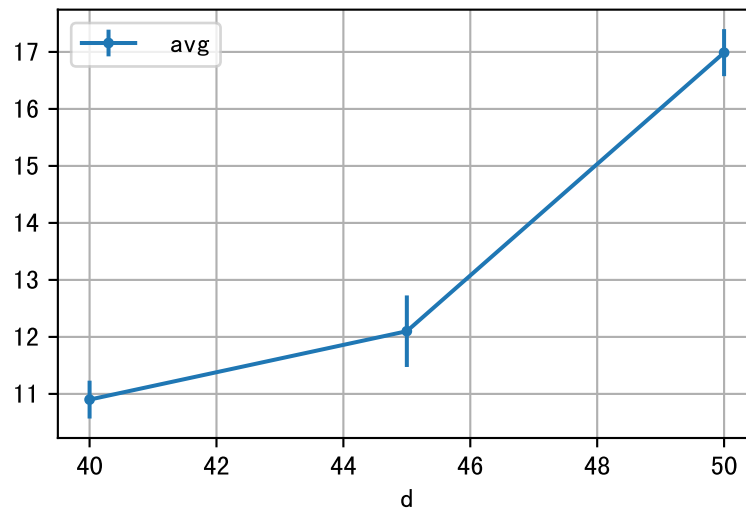
age=25



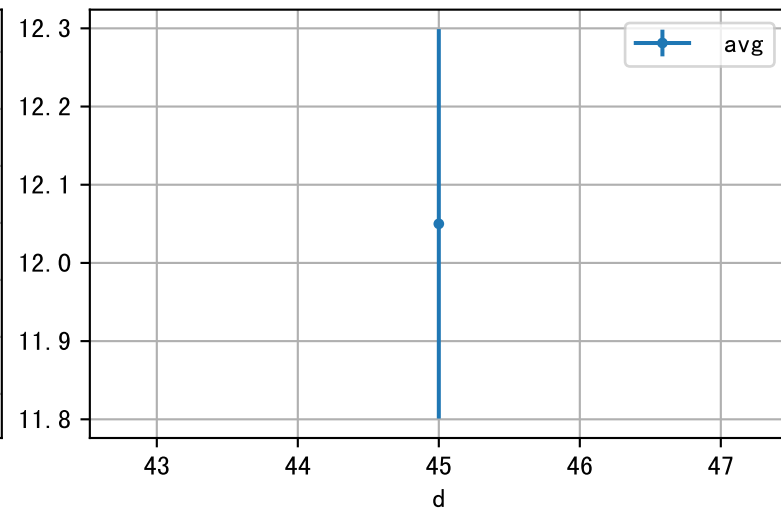
age=30



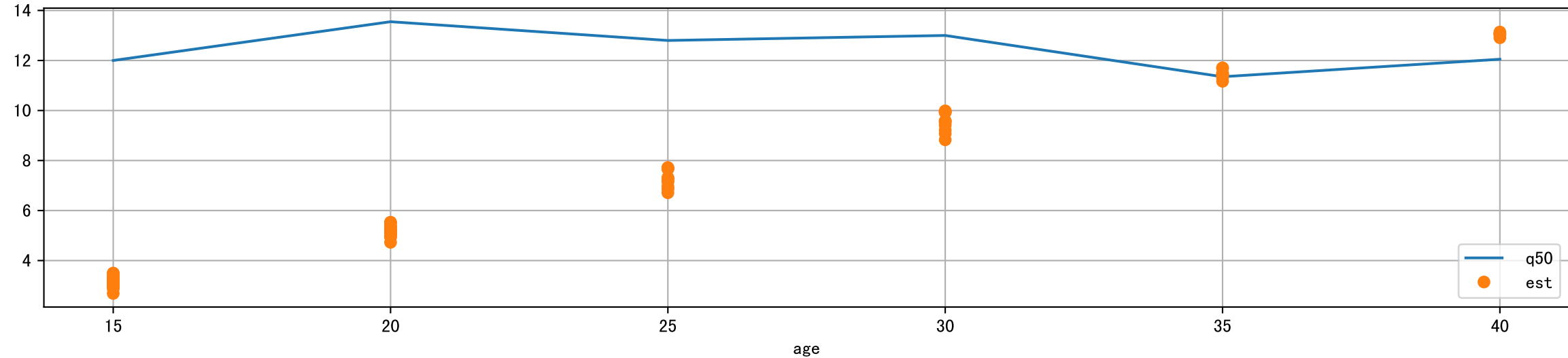
age=35



age=40

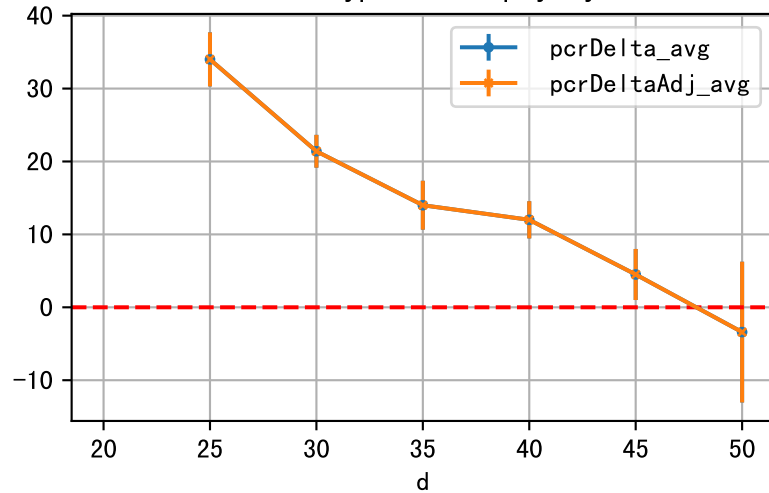


NdD: model est vs obs0v@Q50

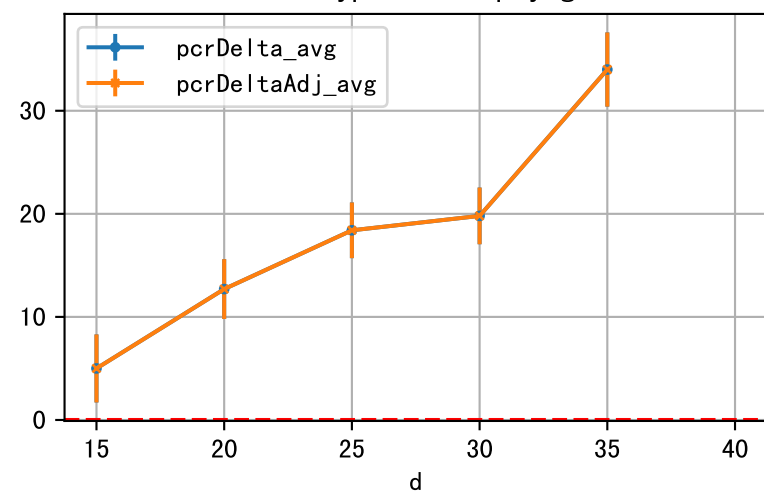


P6AE NdD: D_5d_NdD

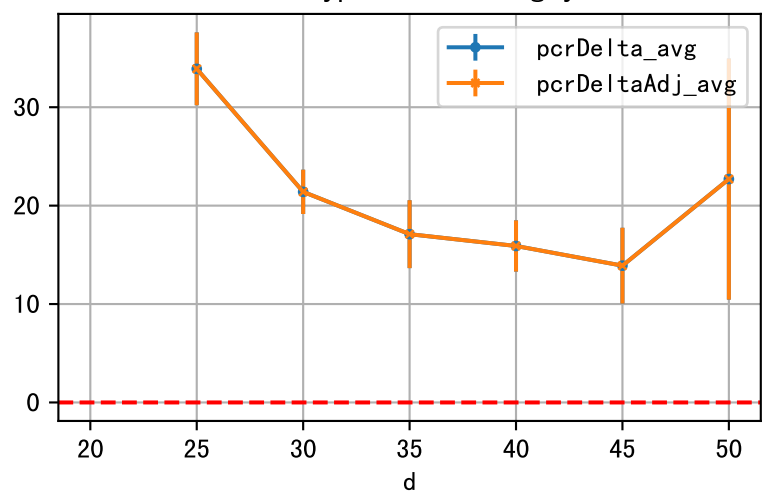
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

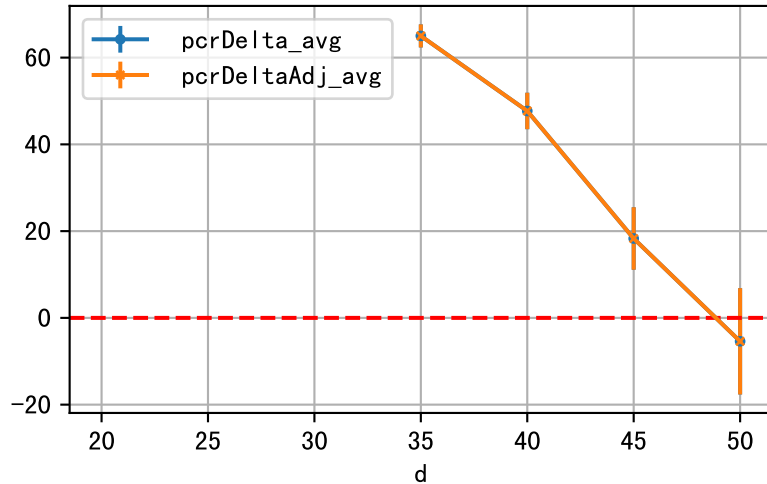


DeltaTypeAbbr=Wei AvgByD

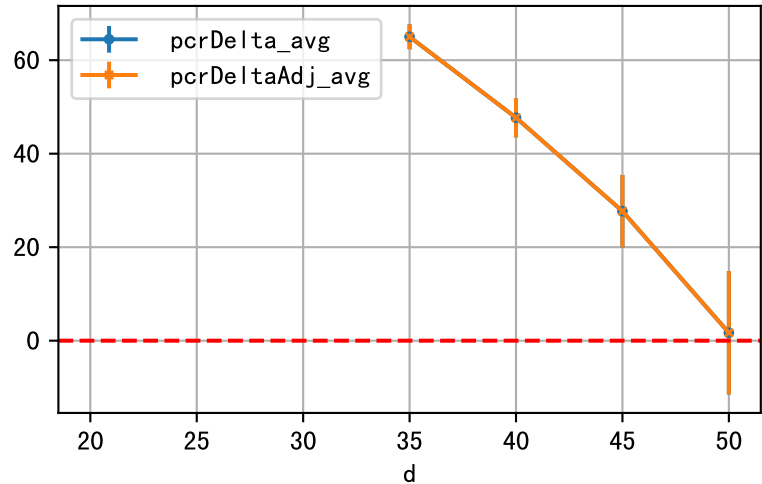


P6AE NdD: D_15d_NdD

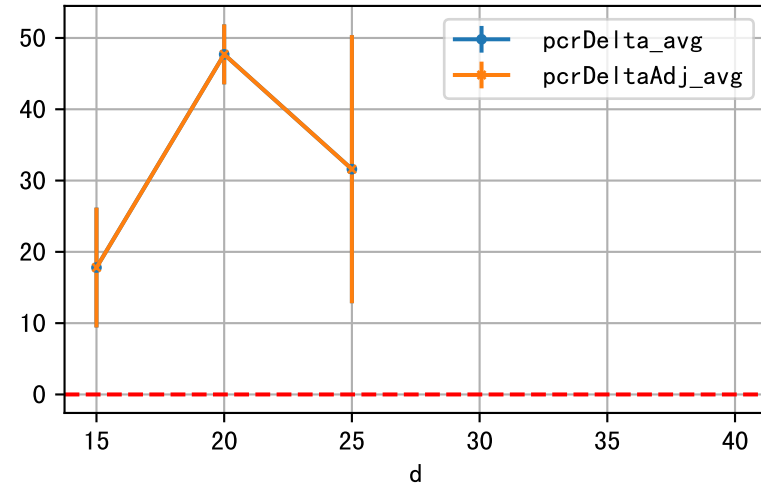
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

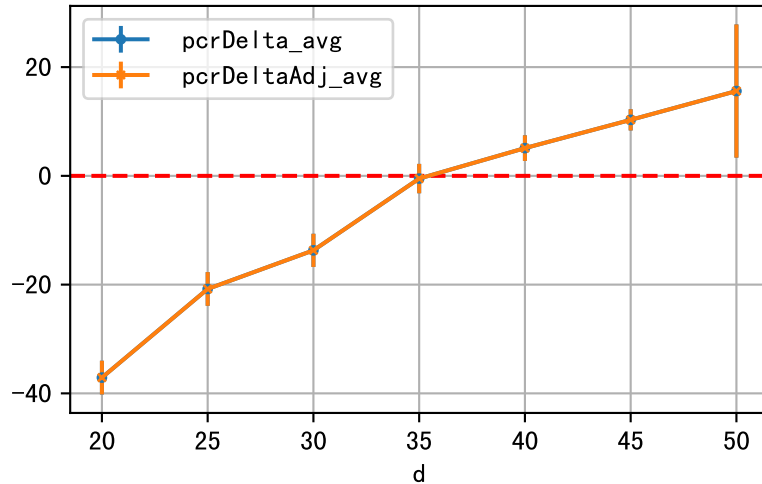


DeltaTypeAbbr=GrpByAge

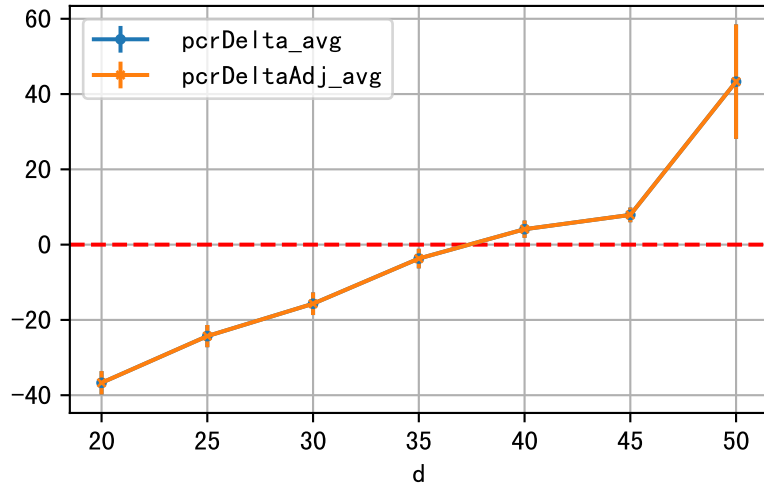


P6AE NdD: D_Q50_NdD

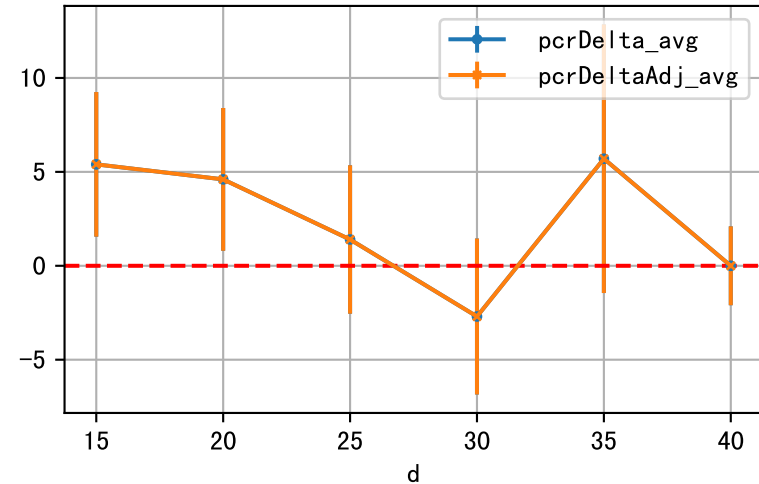
DeltaTypeAbbr=GrpByDay



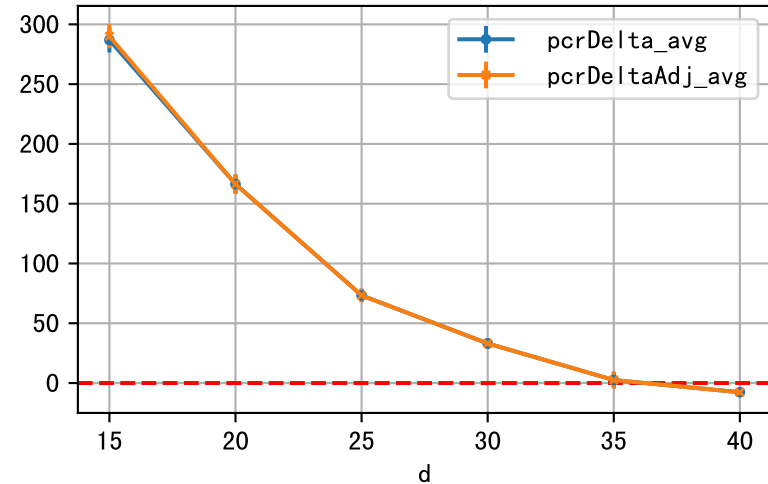
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

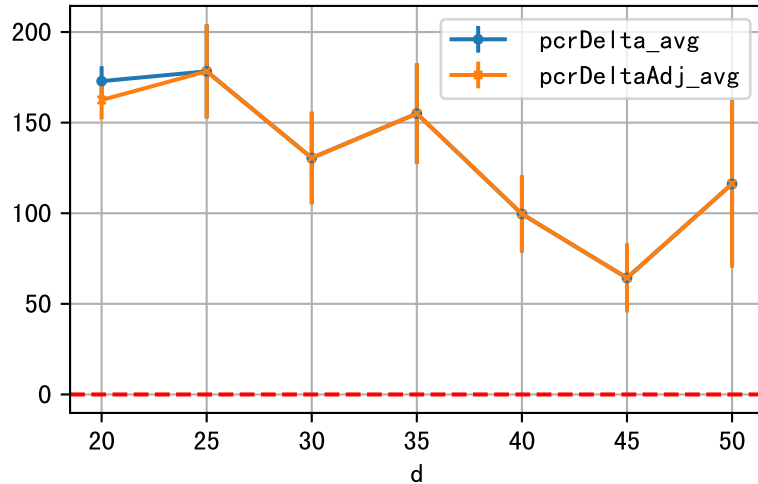


DeltaTypeAbbr=GrpByAge

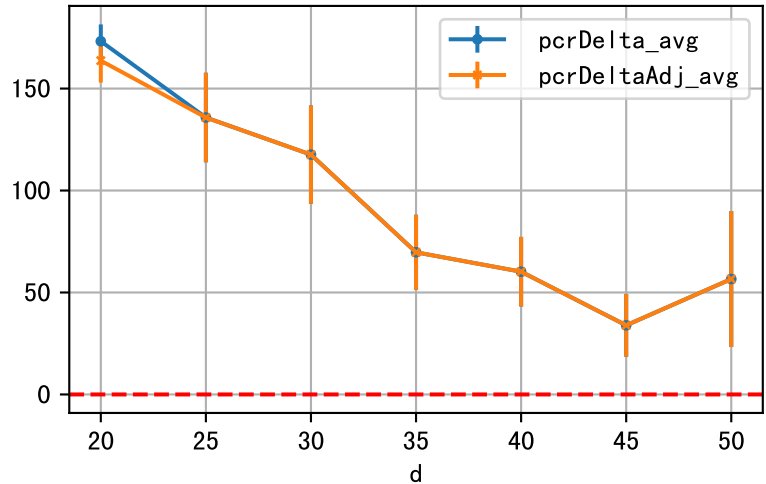


P6AE NdD: D_Est_NdD

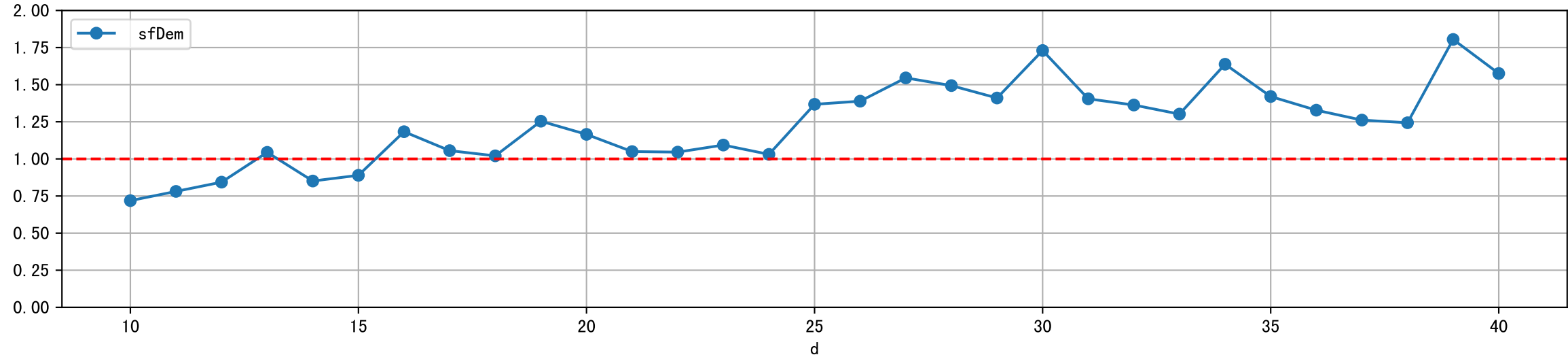
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

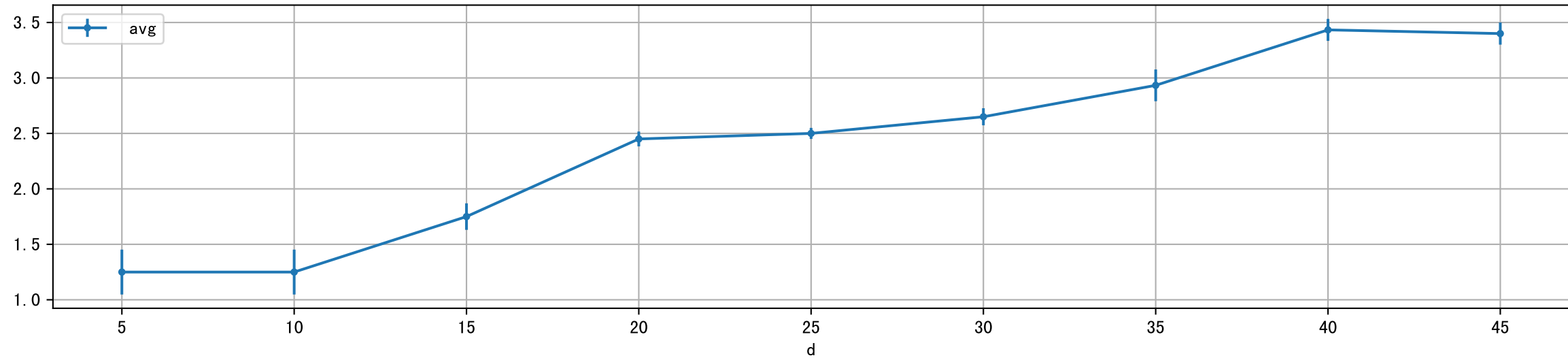


NdD: sfDem

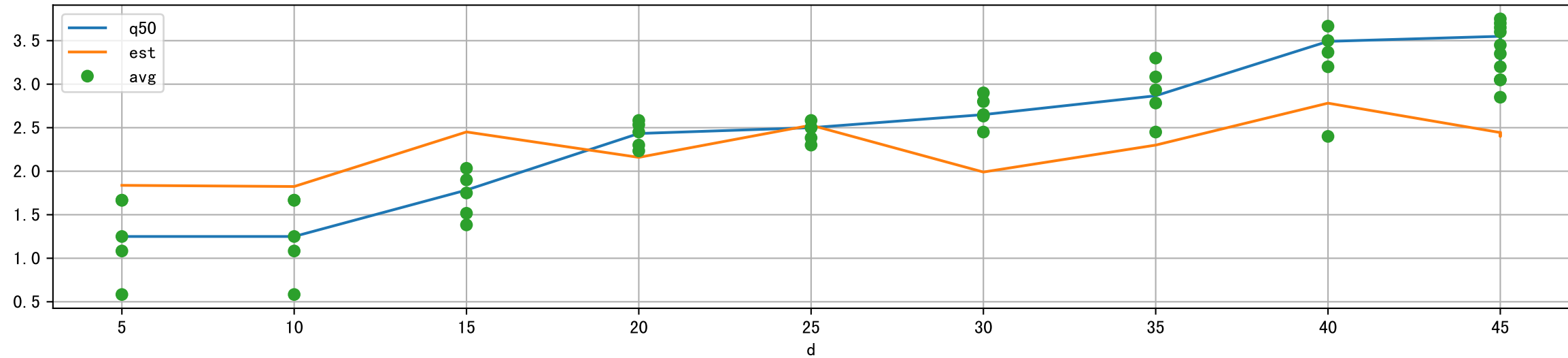




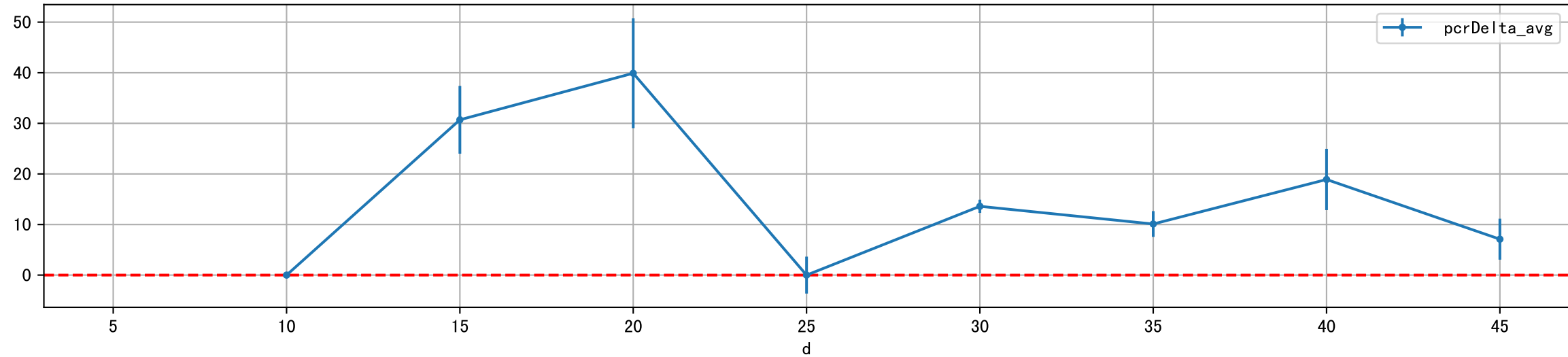
dStH: avg vs. d



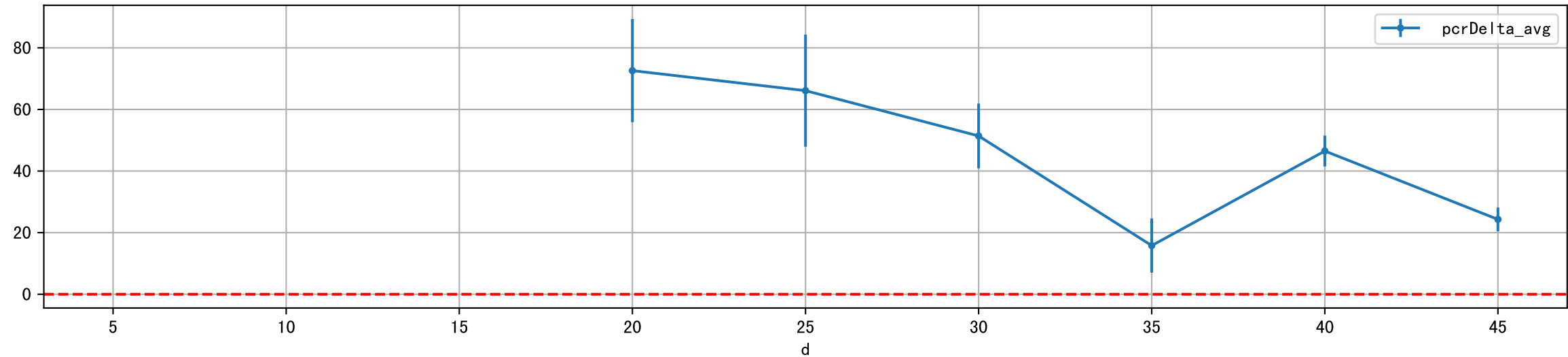
dStH: obsAvg vs obs0v@Q50



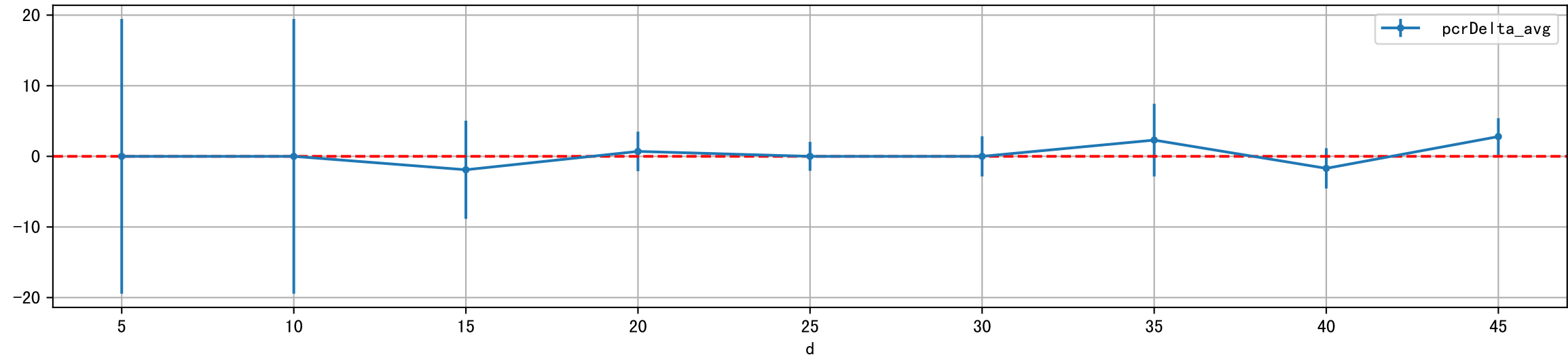
dStH: D_5d_StH



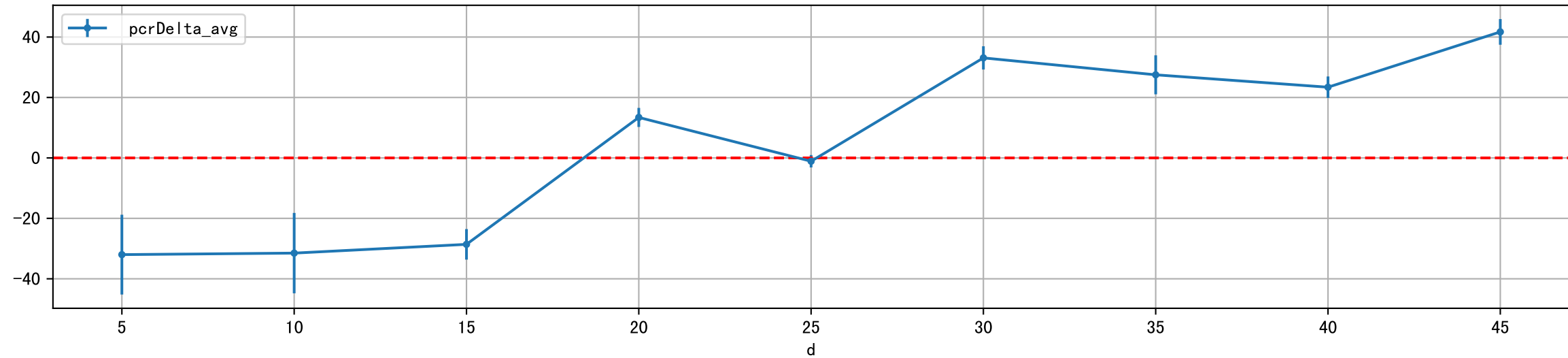
dStH: D_15d_StH



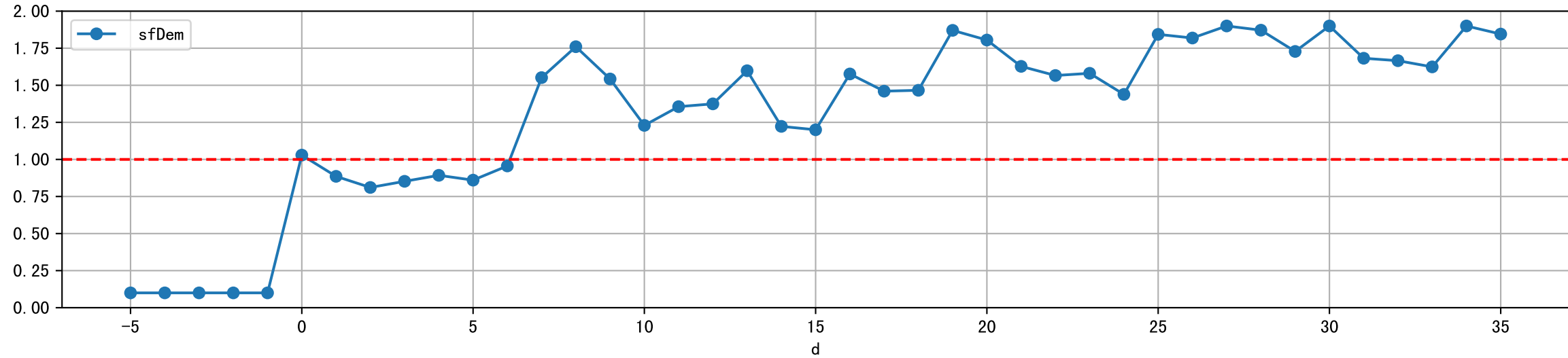
dStH: D_Q50_StH



dStH: D_Est_StH



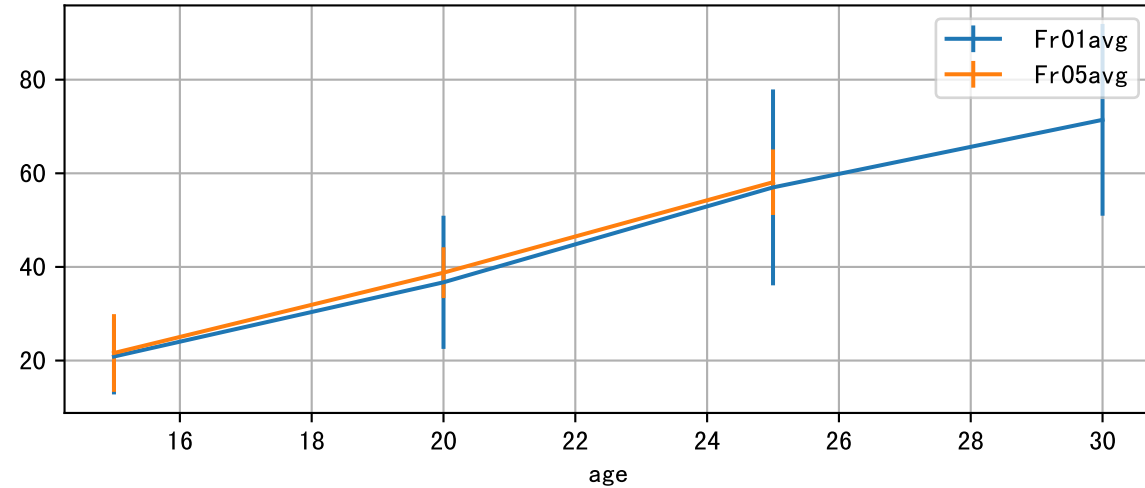
dStH: sfDem



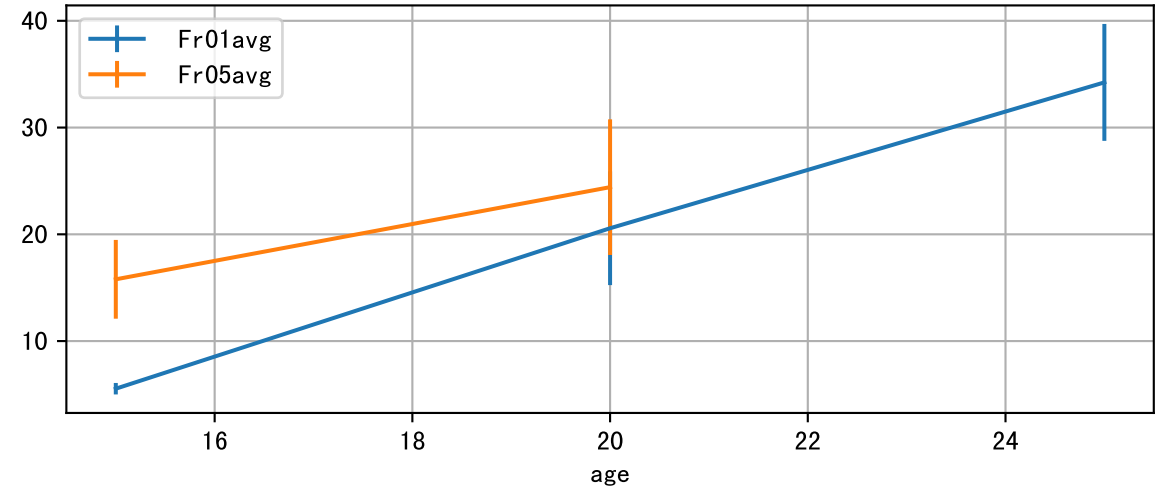


FrV: Fr01 vs Fr05 at each truss

organID=T01

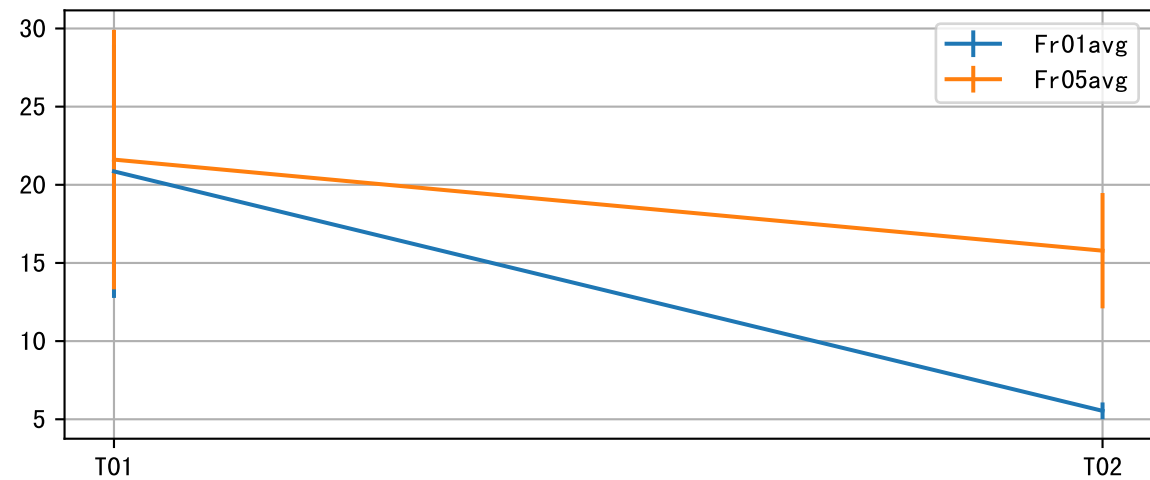


organID=T02

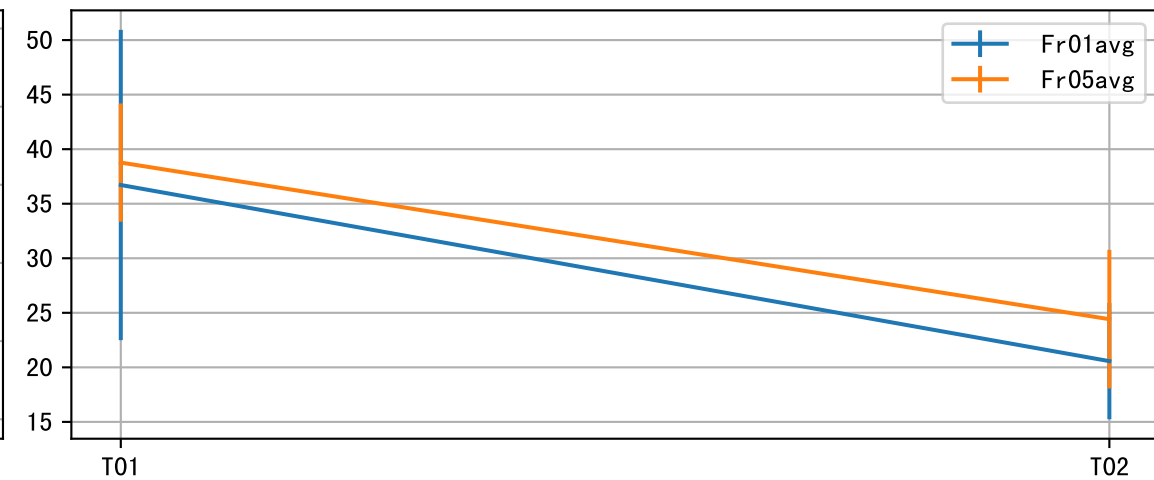


FrV trend at each age

age=15

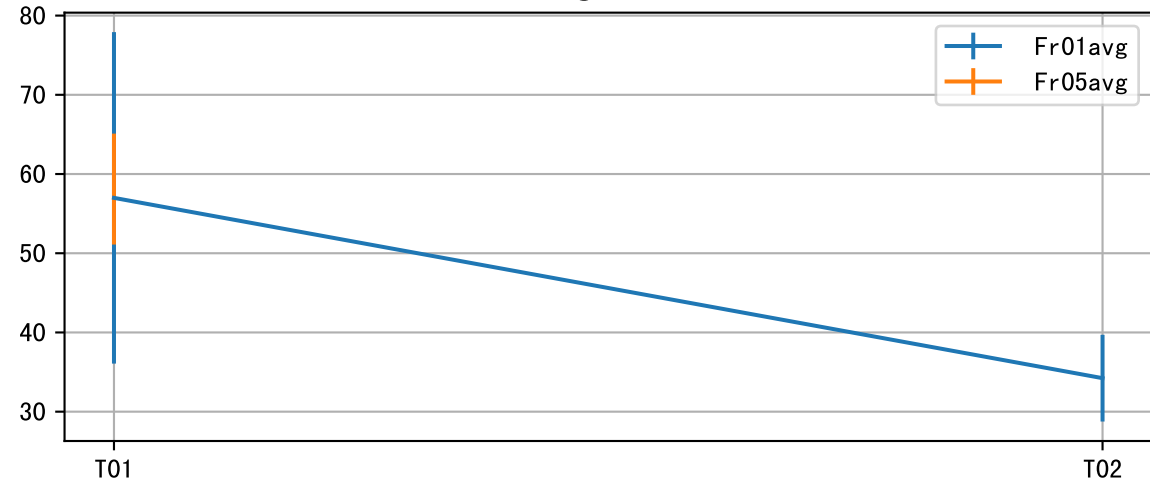


age=20



organID

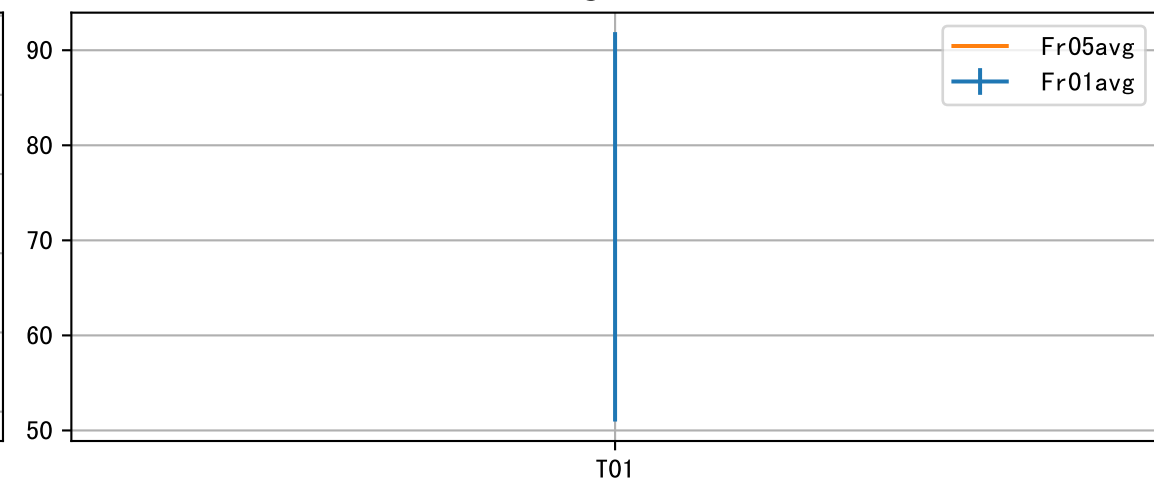
age=25



organID

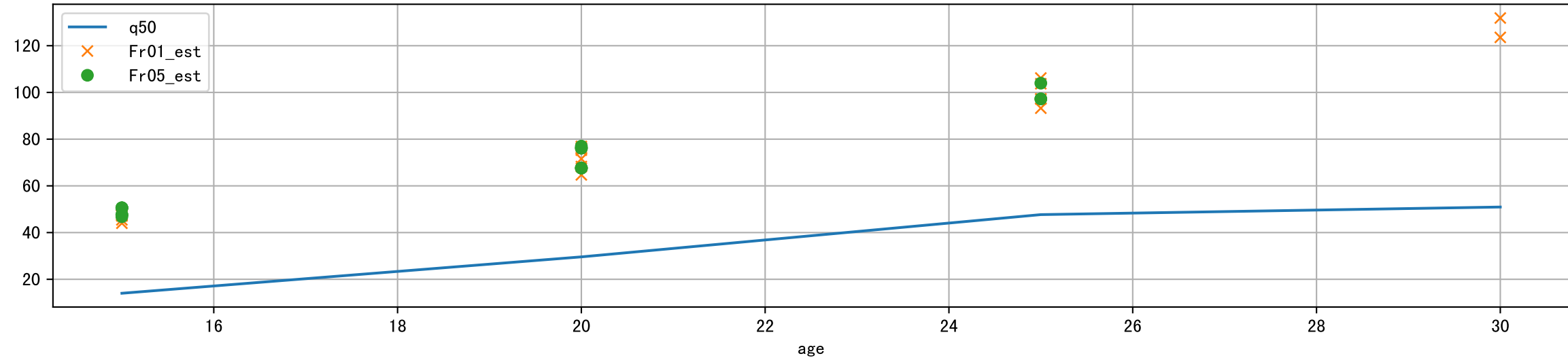
organID

age=30

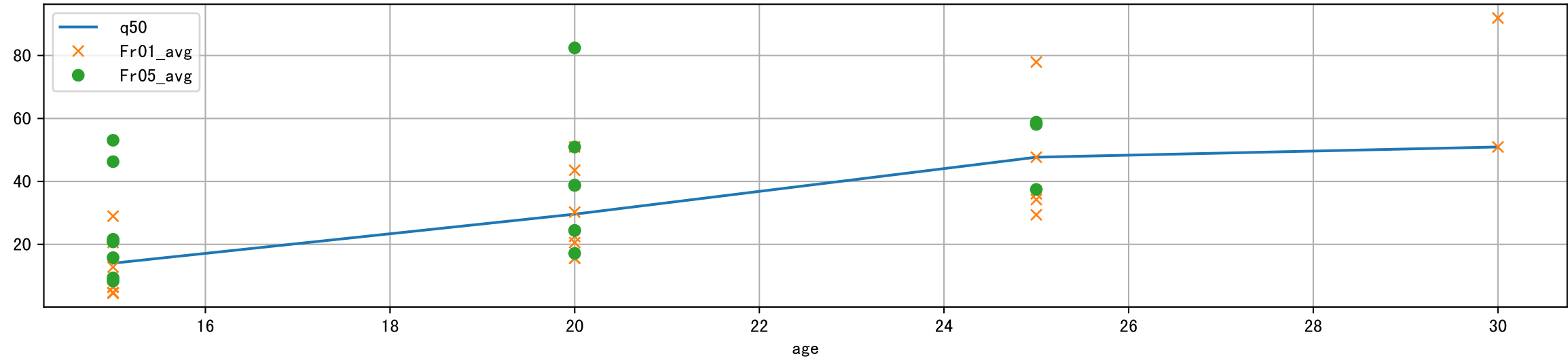


organID

FrV: model Est vs obsFrV at Q90

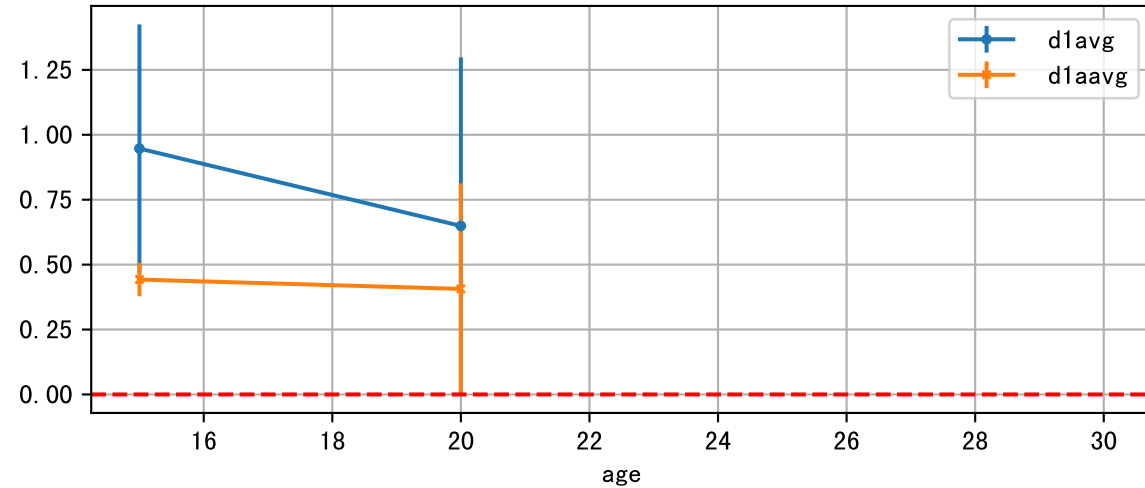


FrV: obsFrV vs obsFrV@Q90

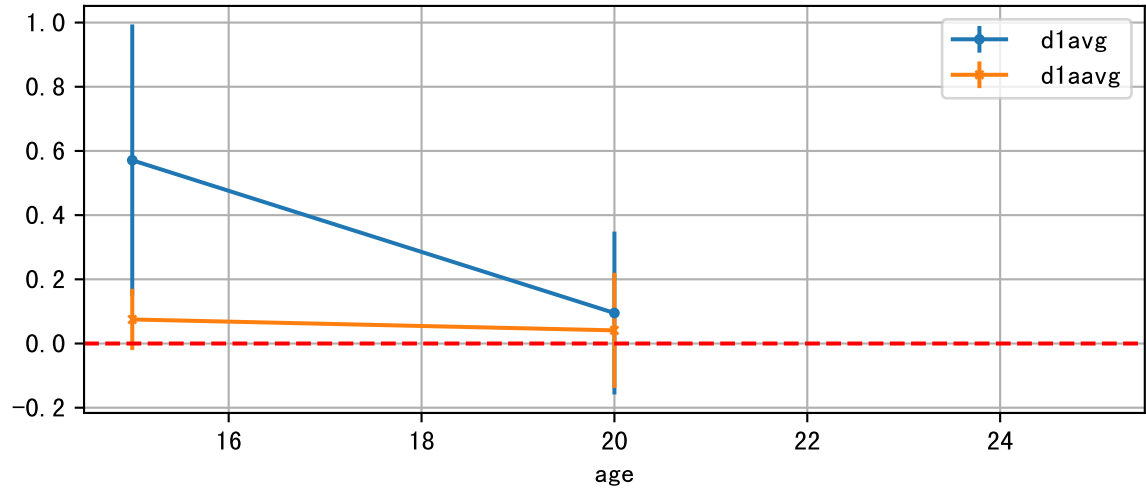


FrV: D_Fr1_FrV

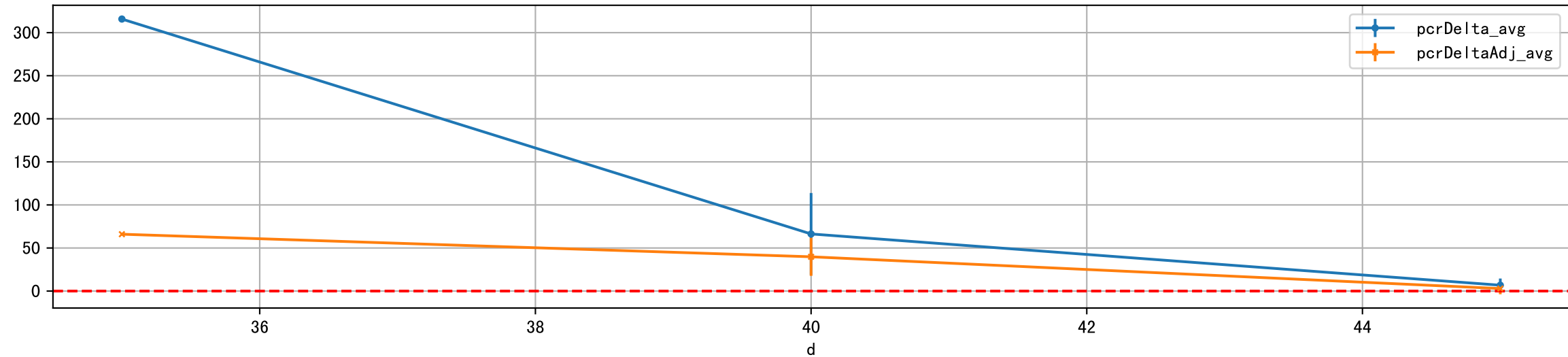
organID=1



organID=2

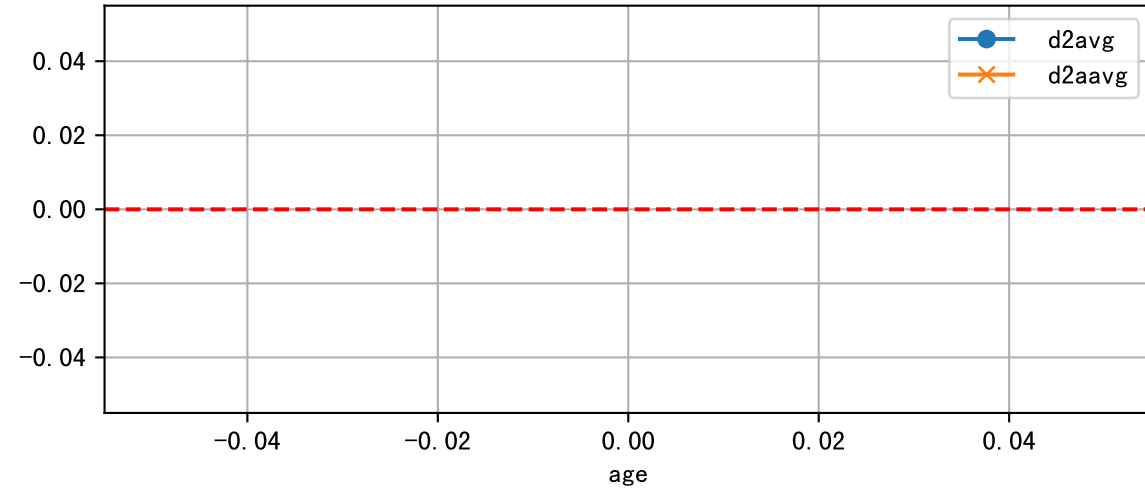


P6AE FrV: D_Fr1_FrV

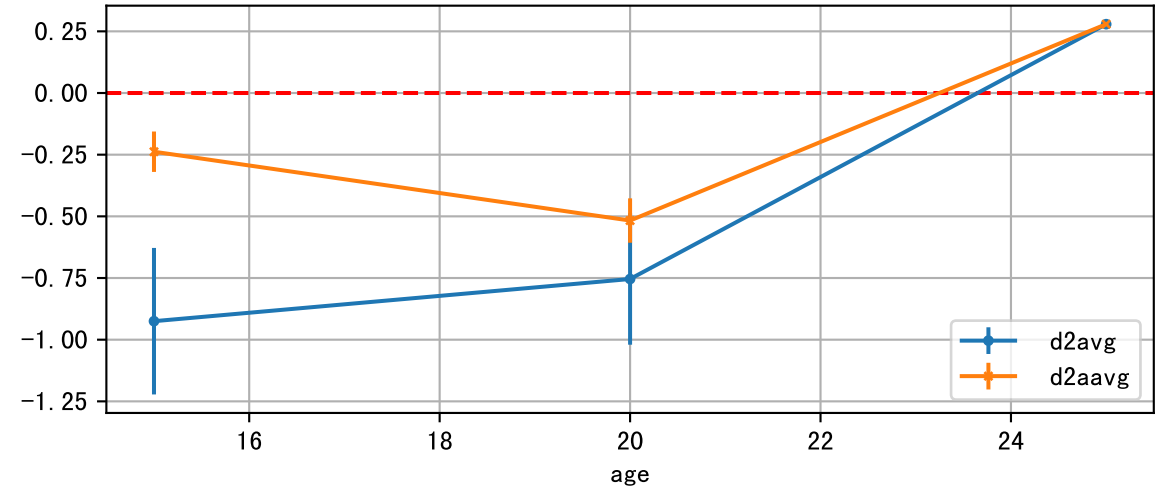


FrV: D_Ts_FrV

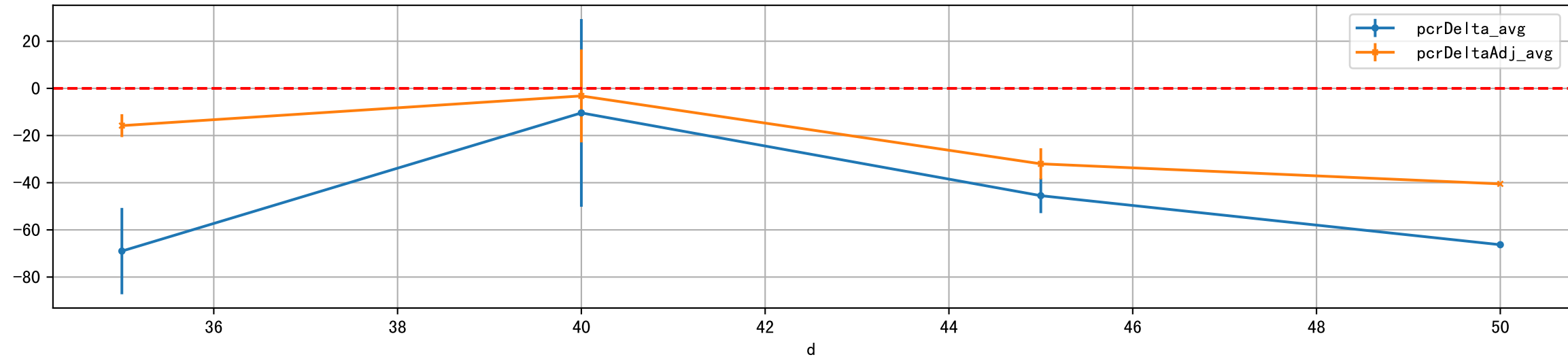
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organID=2

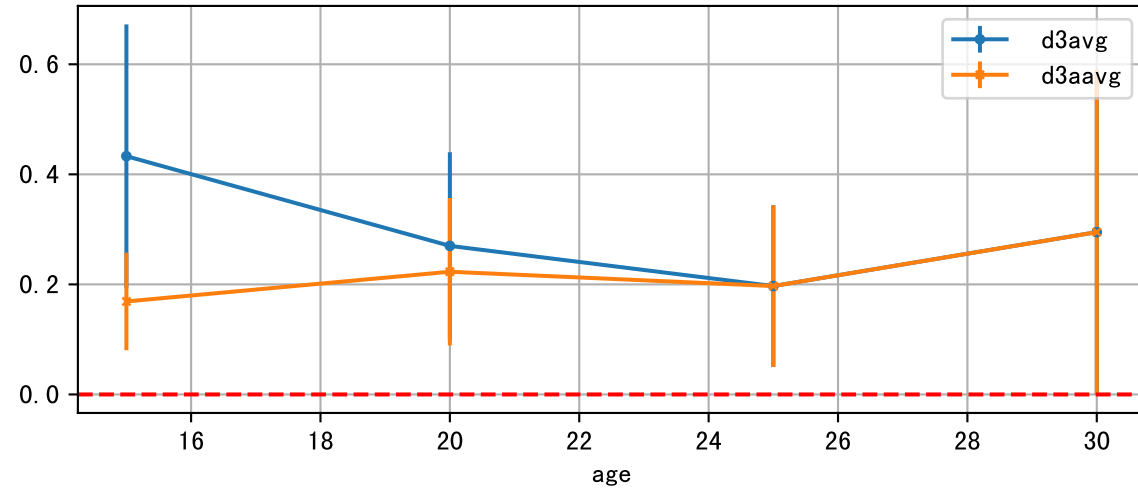


P6AE FrV: D_Ts_FrV

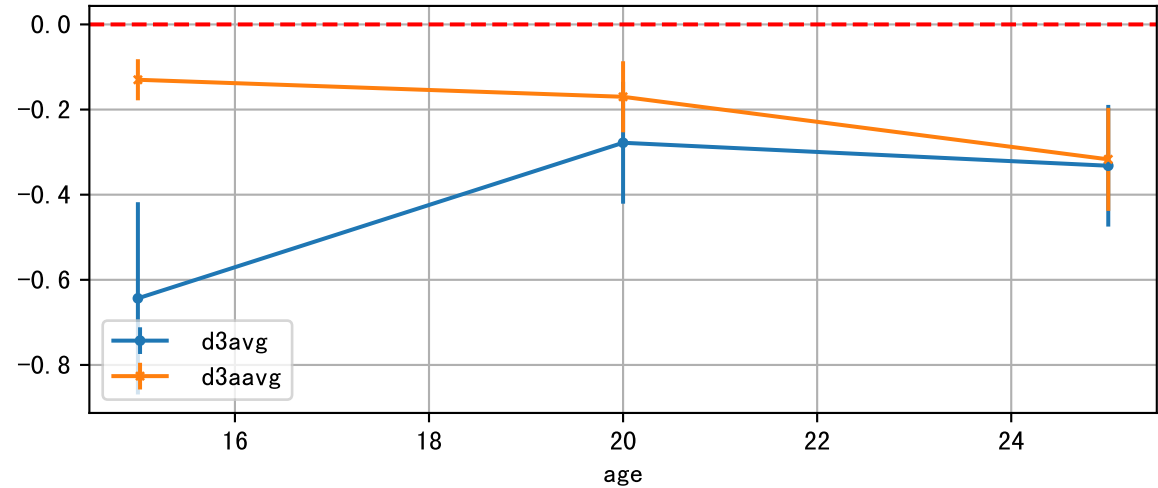


FrV: D_Q50_FrV

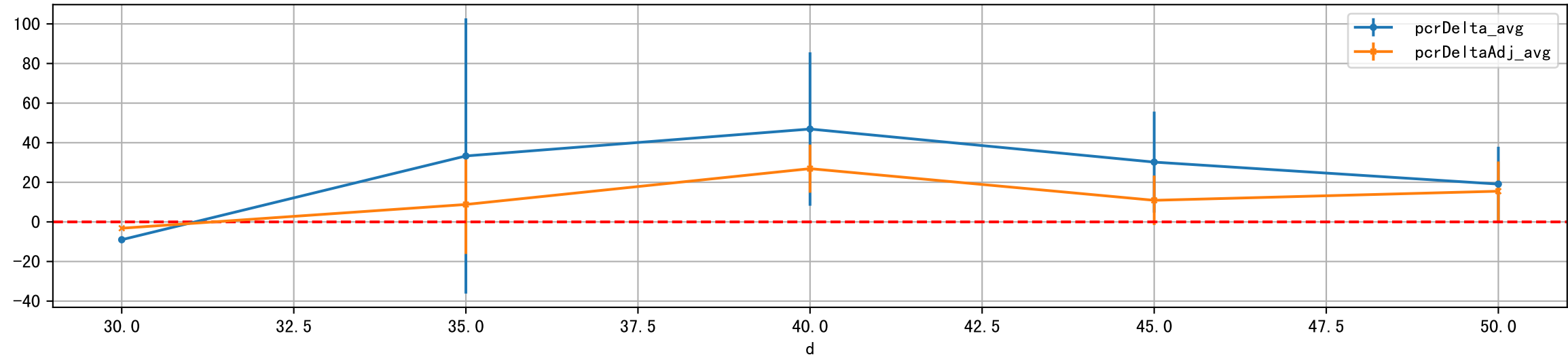
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organID=2

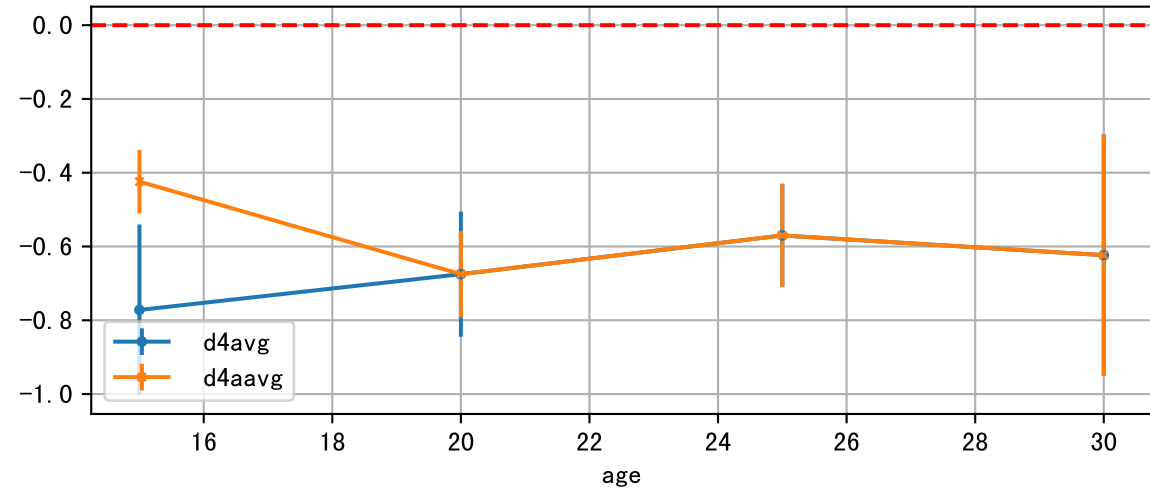


P6AE FrV: D_Q50_FrV

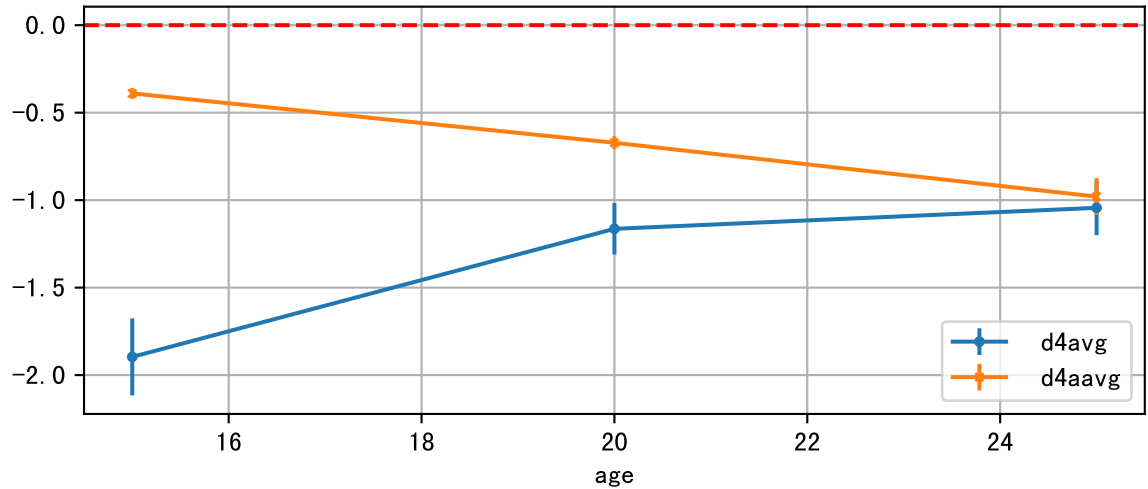


FrV: D_Est_FrV

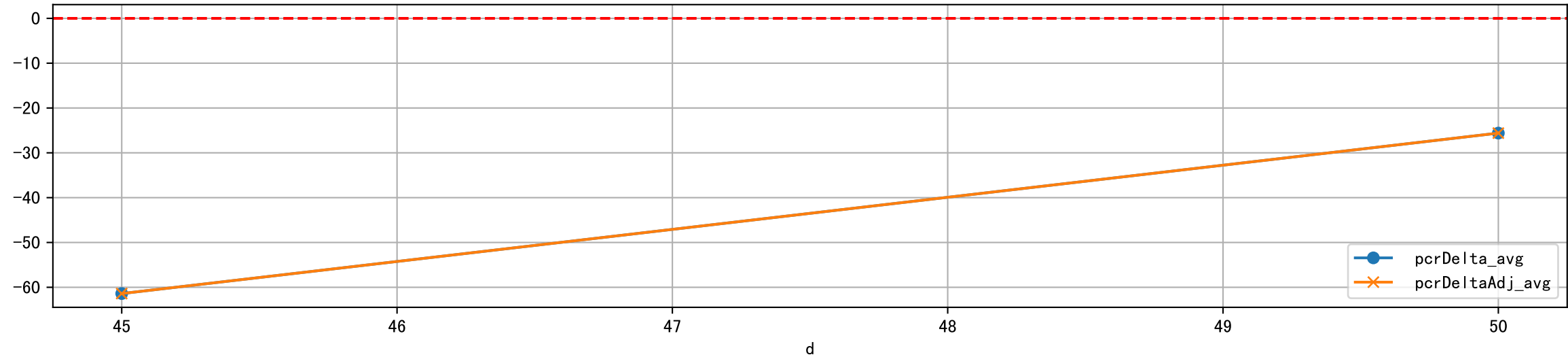
organID=1



organID=2



P6AE FrV: D_Est_FrV



P6AE FrV: sfDem

