

Phenotype Data Analysis Plots

PhenoData day range = 5 – 46

Analysis cutoff day = 46

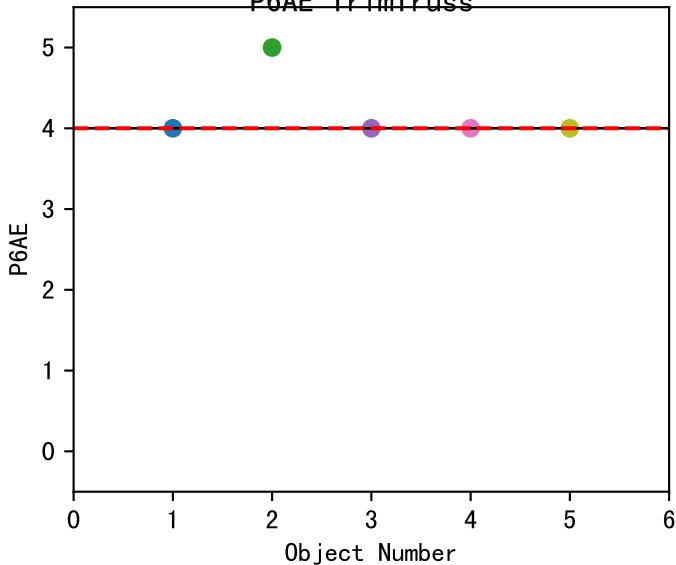
NC11 P6

2025-05-22 (Day 47)

TrussNodeMaxPerStem (Def=4.0 Set=4)

avg1=4.0~0% avg2=na

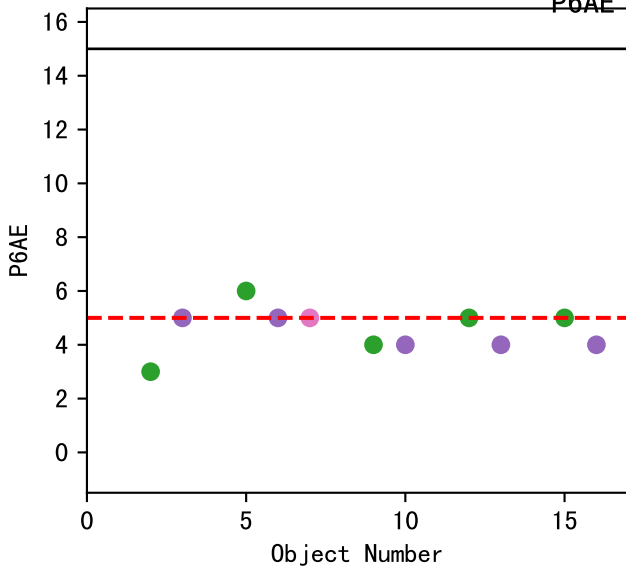
P6AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

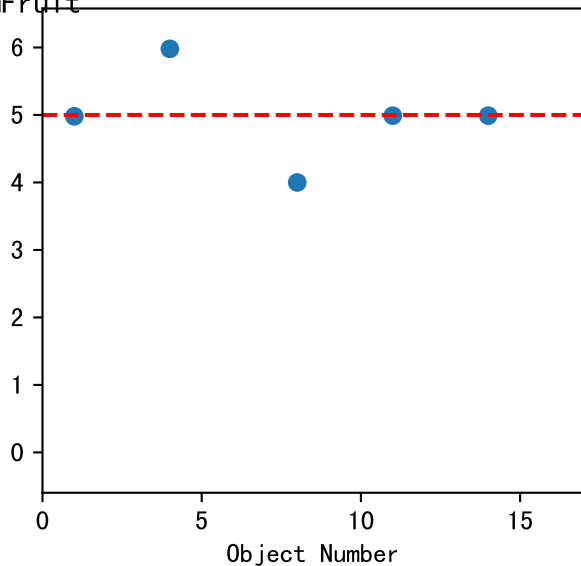
avg1=5.0~16% avg2=na

P6AE TrimFruit

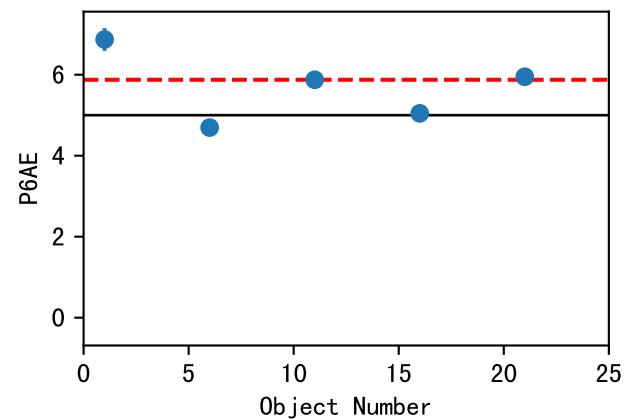


FruitNumMaxPerTruss (Def=na Set=5)

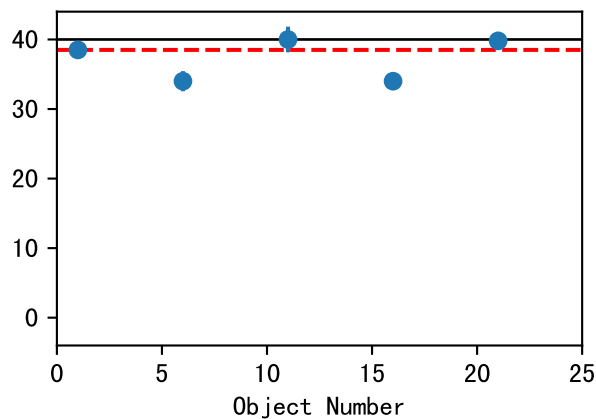
avg1=5.0~0% avg2=na



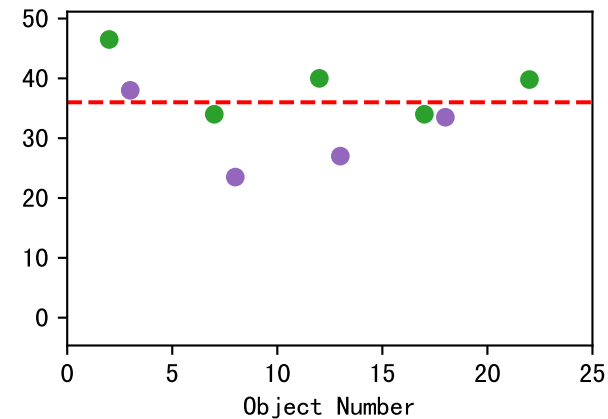
NdL_Q90AbsY (Def=5 Set=5.88)
avg1=5.88~14% avg2=na



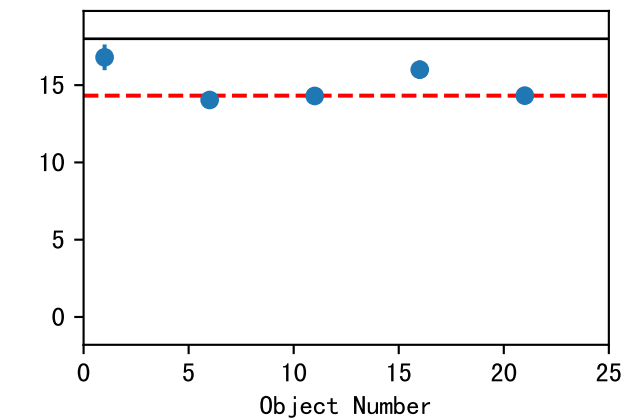
LfL_Q90AbsY (Def=40 Set=38.5)
avg1=38.5~8% avg2=na



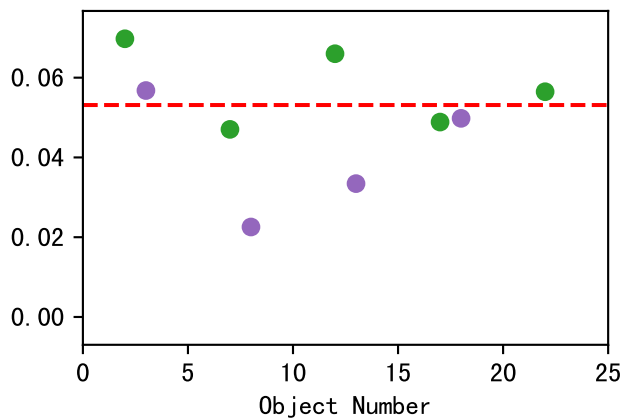
LfL_avgAbsY (Def=na Set=36.0)
avg1=36.0~16% avg2=na



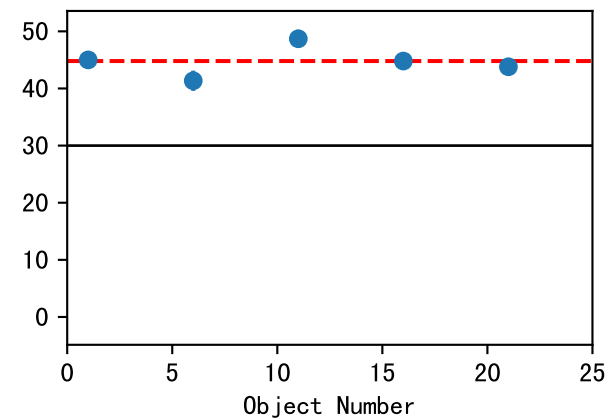
NdD_Q90AbsY (Def=18 Set=14.32)
avg1=14.32~9% avg2=na



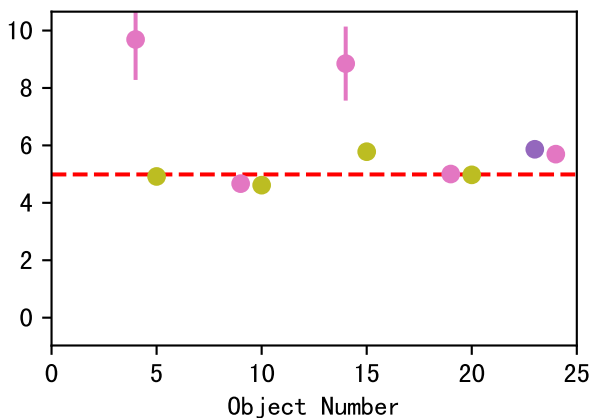
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~22% avg2=na



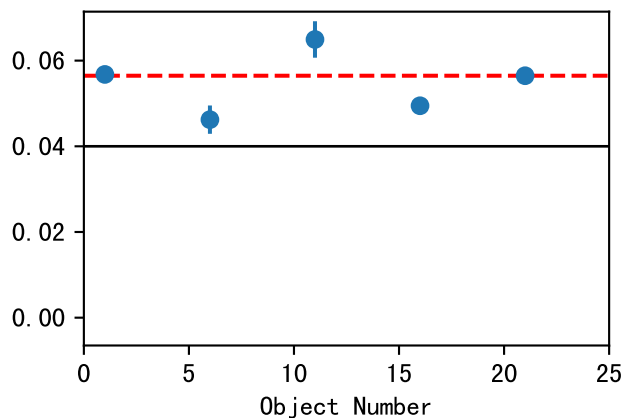
LfW_Q90AbsY (Def=30 Set=44.8)
avg1=44.8~1% avg2=na



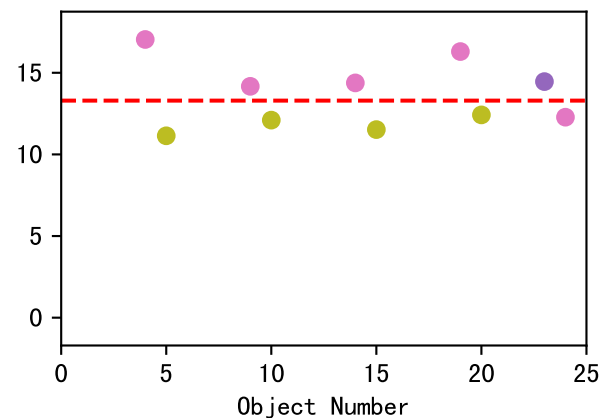
NdL_avgAbsY (Def=na Set=4.99)
avg1=4.99~10% avg2=na



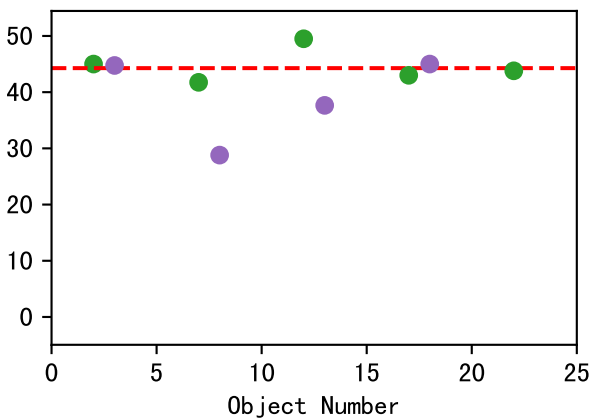
LfA_Q90AbsY (Def=0.04 Set=0.06)
avg1=0.06~13% avg2=na



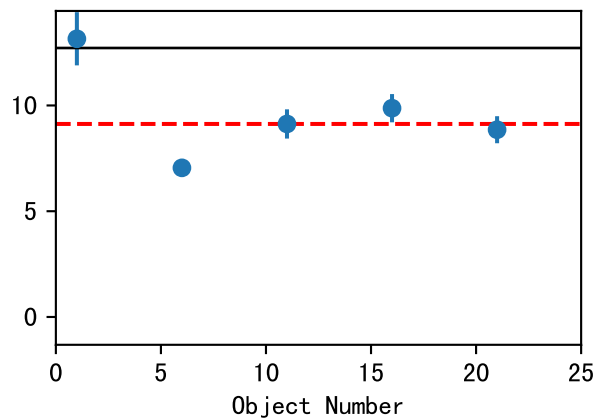
NdD_avgAbsY (Def=na Set=13.29)
avg1=13.29~15% avg2=na



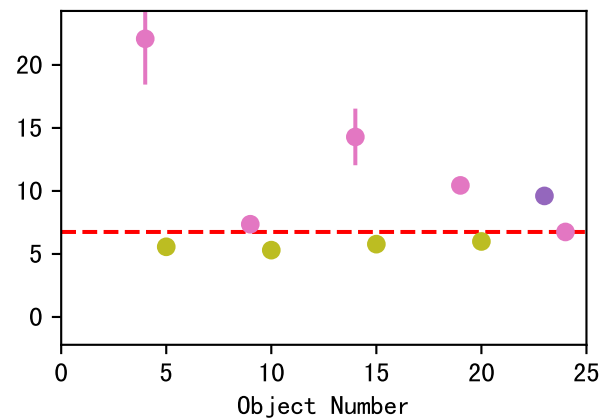
LfW_avgAbsY (Def=na Set=44.27)
avg1=44.27~8% avg2=na



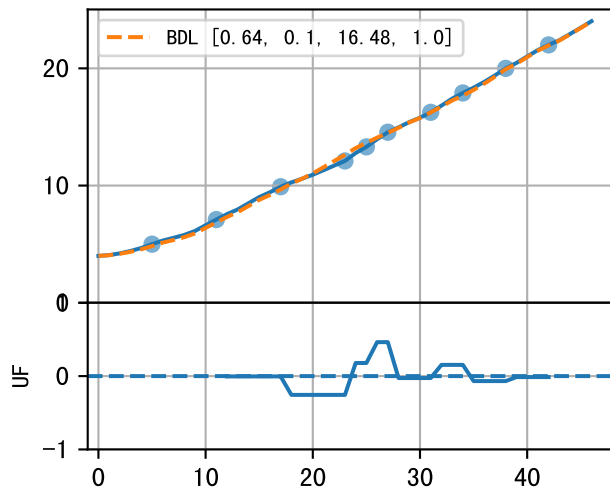
NdV_Q90AbsY (Def=12.72 Set=9.77)
avg1=9.13~6% avg2=na



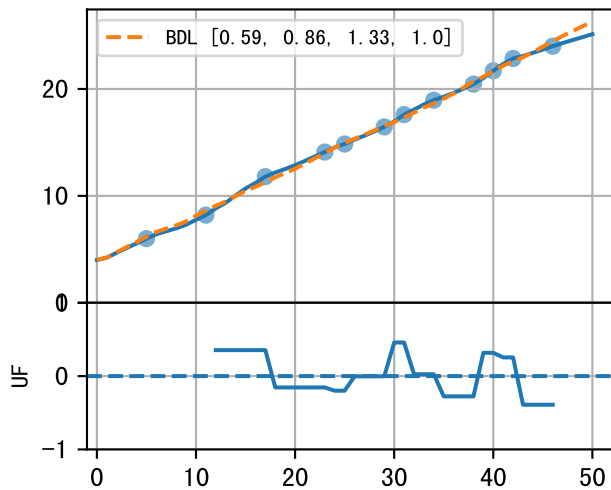
NdV_avgAbsY (Def=na Set=6.75)
avg1=6.75~45% avg2=na



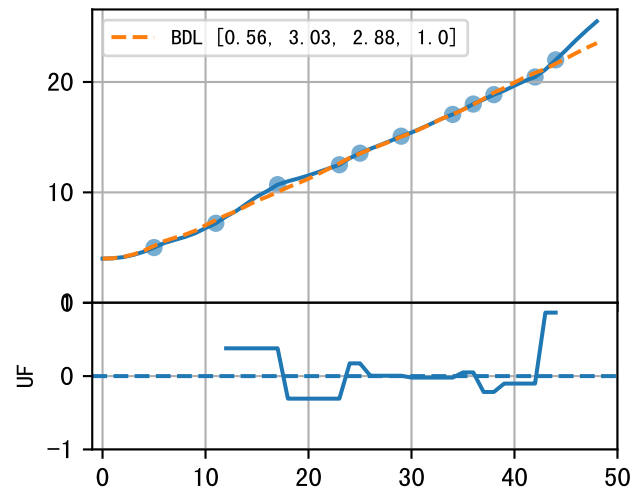
P6AE-007-10 (fit failed)



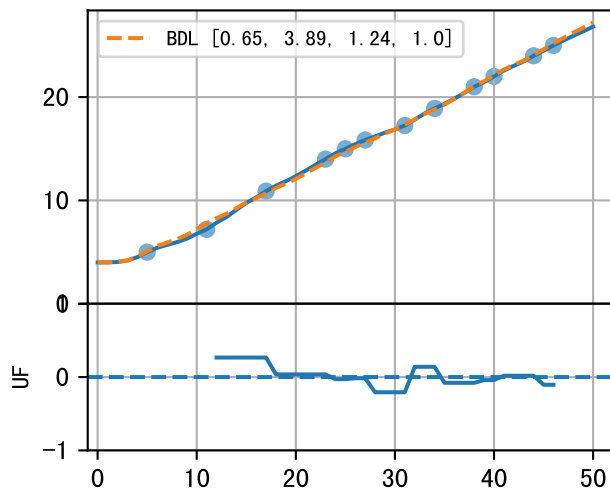
P6AE-014-17 (fit failed)



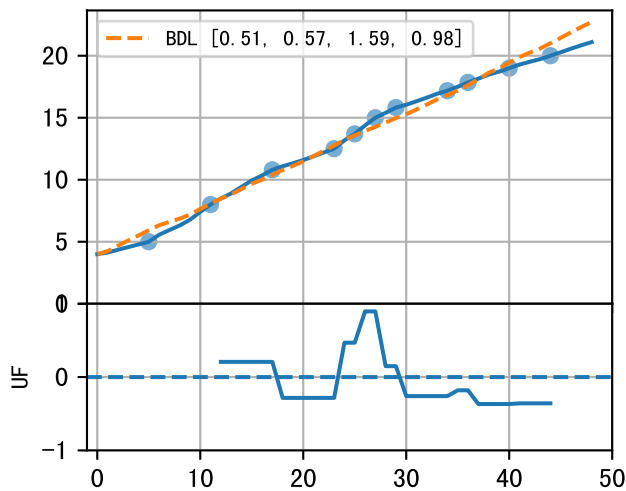
P6AE-026-25 (fit failed)



P6AE-033-4 (fit failed)



P6AE-045-12 (fit failed)



P6AEavg (fit failed)

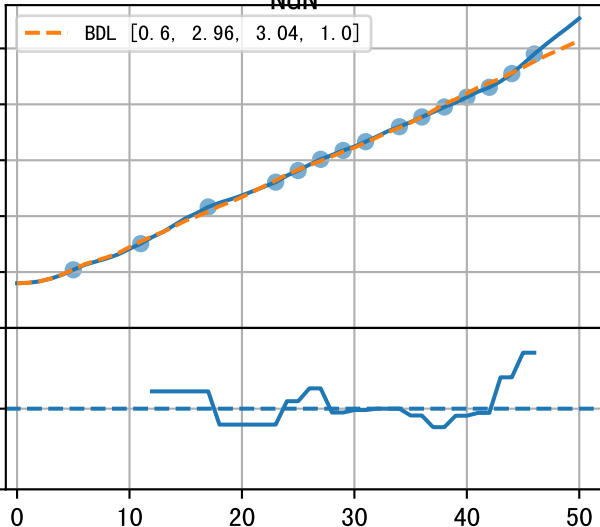
NdN

BDL [0.6, 2.96, 3.04, 1.0]

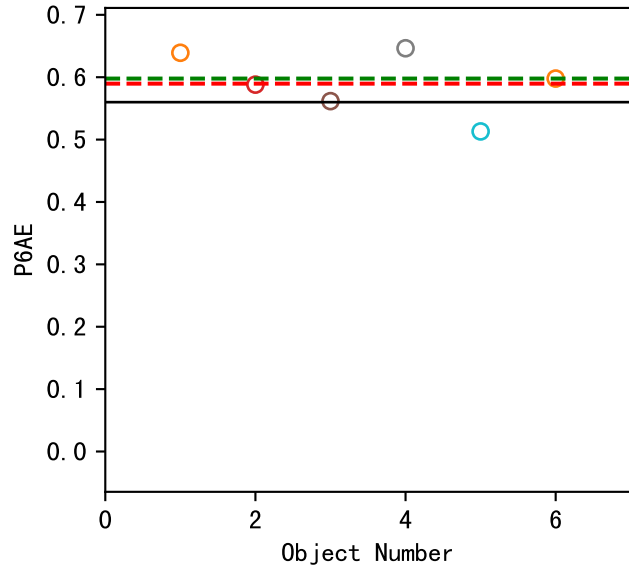
UF

25
20
15
10
5
0
-1

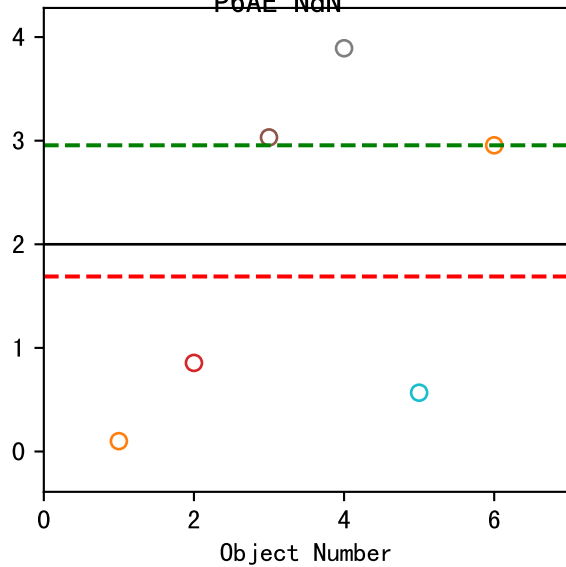
0 10 20 30 40 50



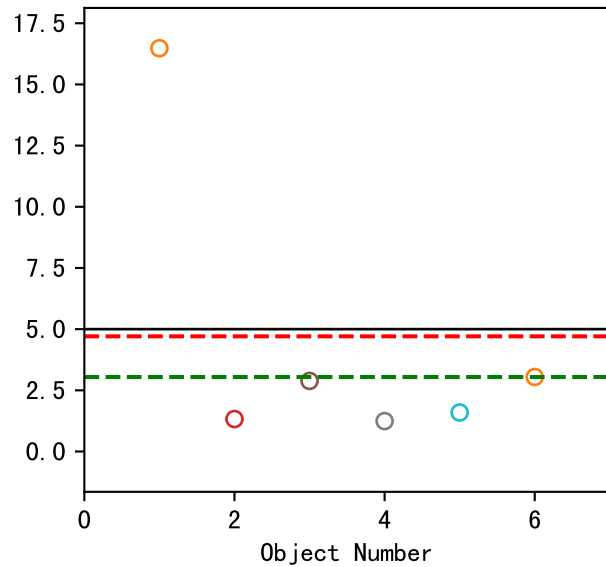
a (Def=0.56 Set=0.6)
avg1=0.59(fail) avg2=0.6



dm (Def=2 Set=2.96)
avg1=1.69(fail) avg2=2.96



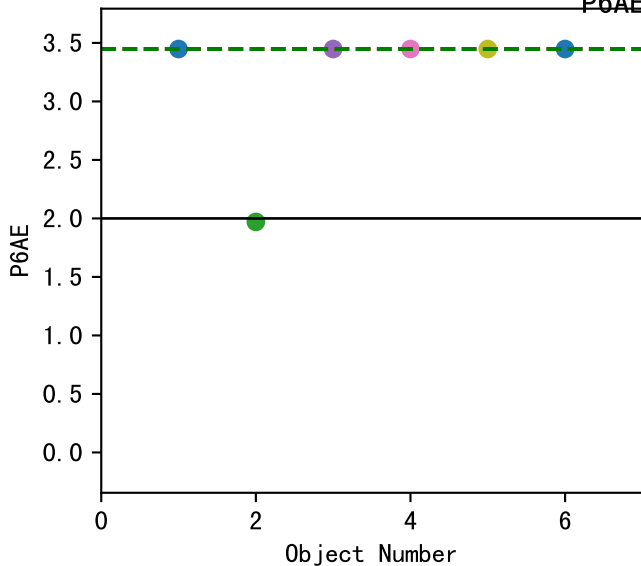
de (Def=5 Set=3.04)
avg1=4.71(fail) avg2=3.04



InitDev_dm (Def=2 Set=3.45)

avg1=3.45~0% avg2=3.45

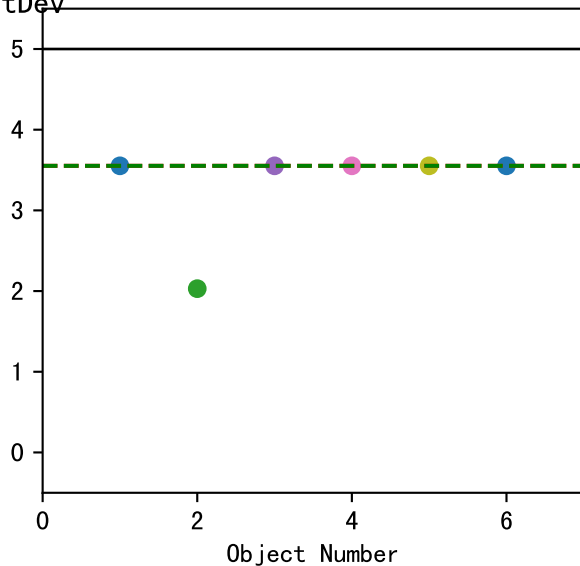
P6AE



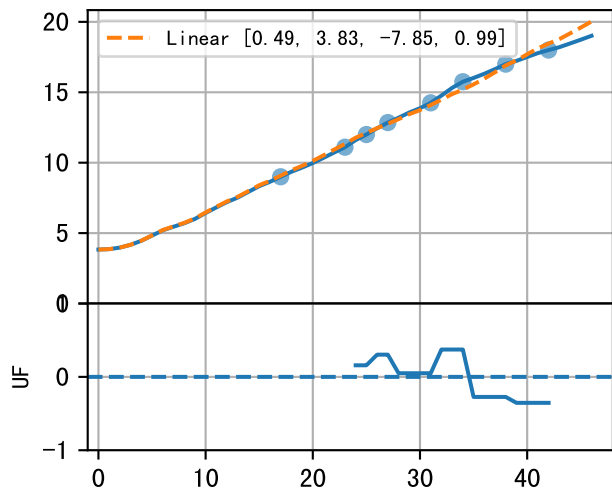
InitDev_de (Def=5 Set=3.55)

avg1=3.55~0% avg2=3.55

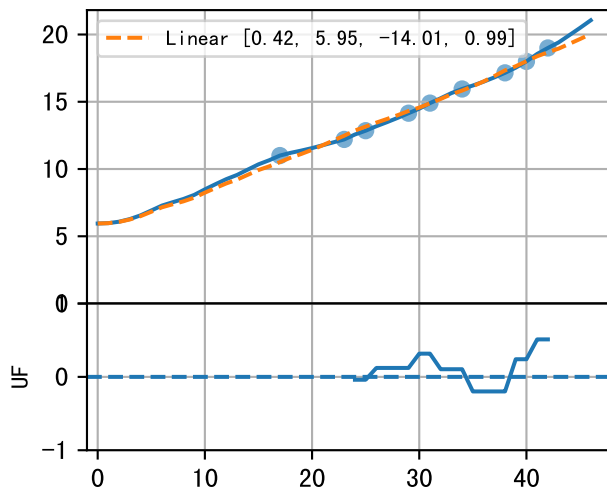
InitDev



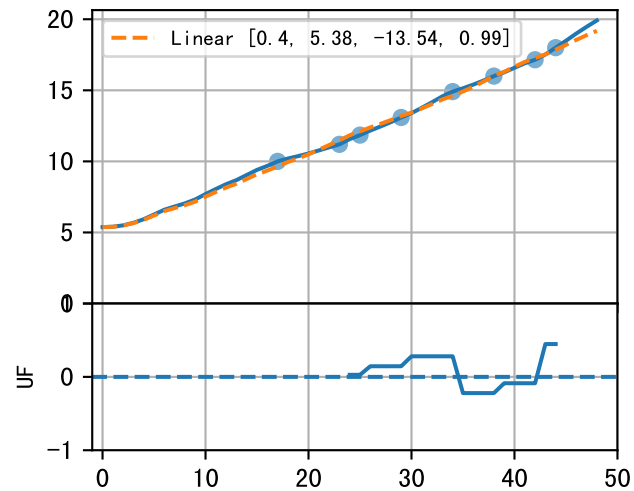
P6AE-007-10



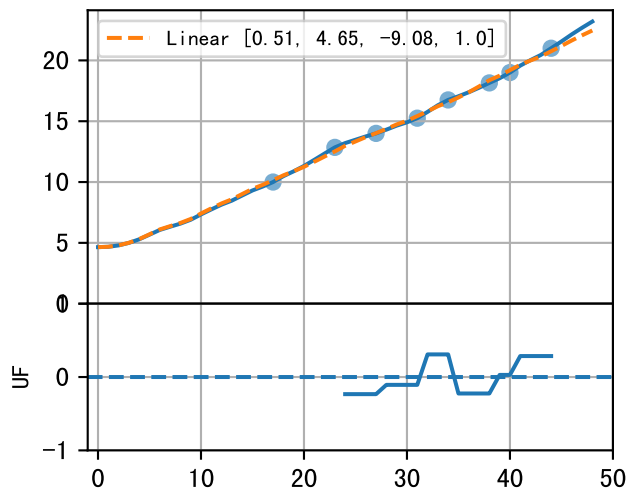
P6AE-014-17



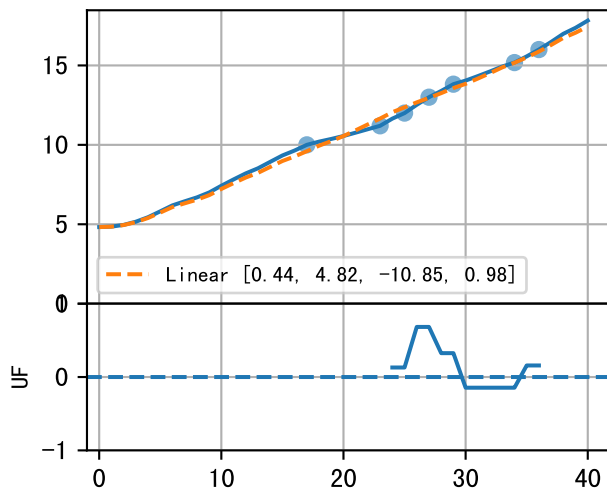
P6AE-026-25



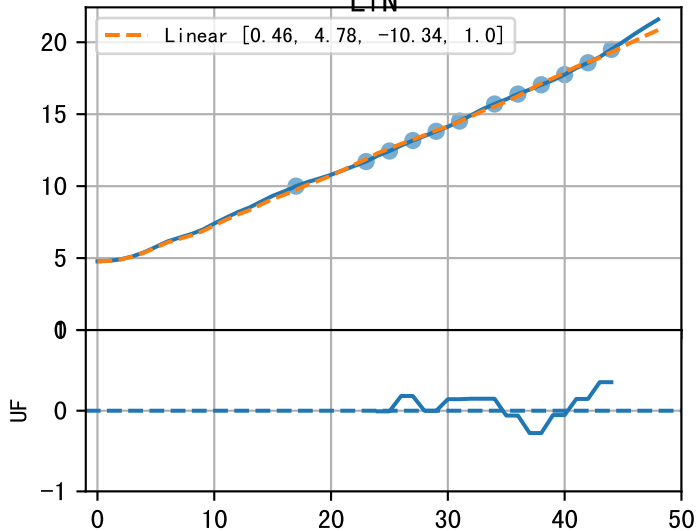
P6AE-033-4



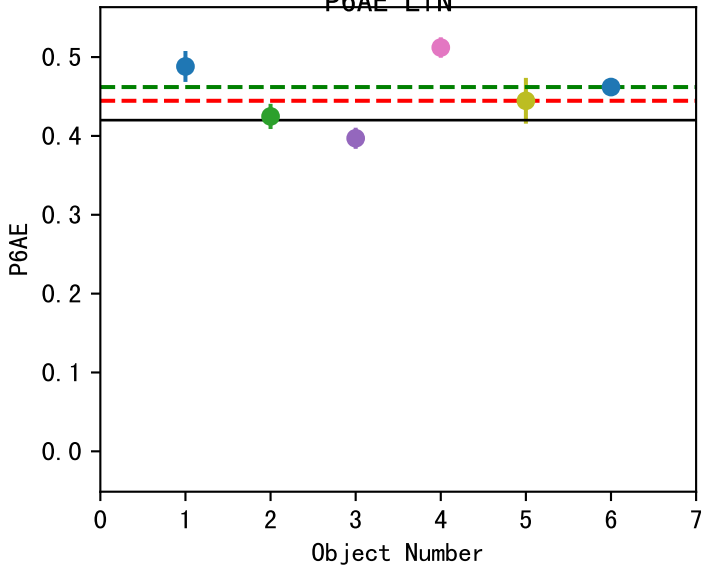
P6AE-045-12



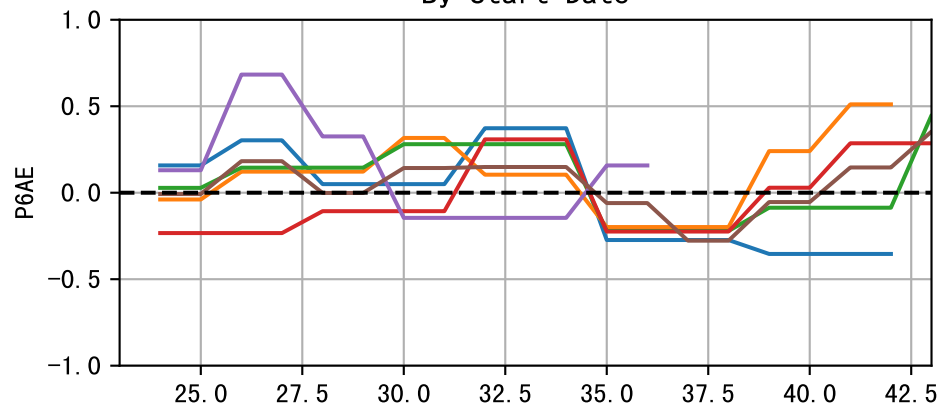
P6AEavg
L_fN



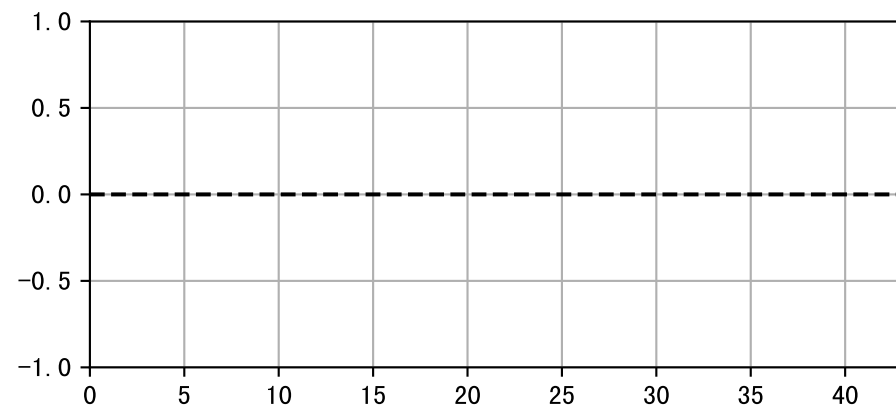
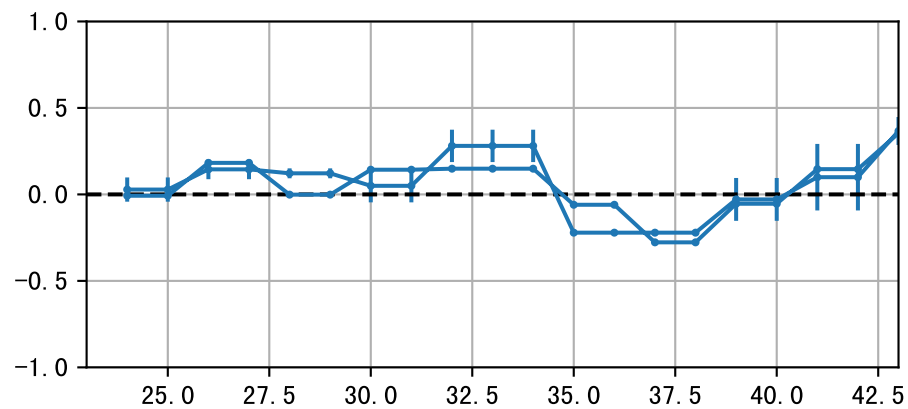
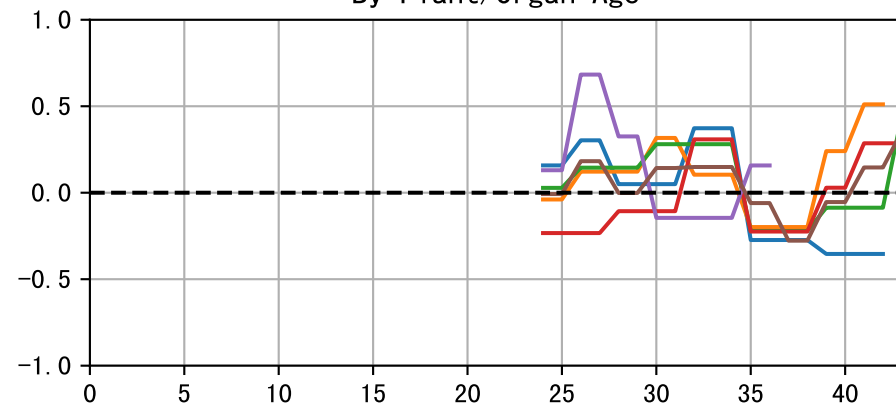
a (Def=0.42 Set=0.46)
avg1=0.44 $\sim$ 11% avg2=0.46 $\sim$ 4%
P6AE LfN



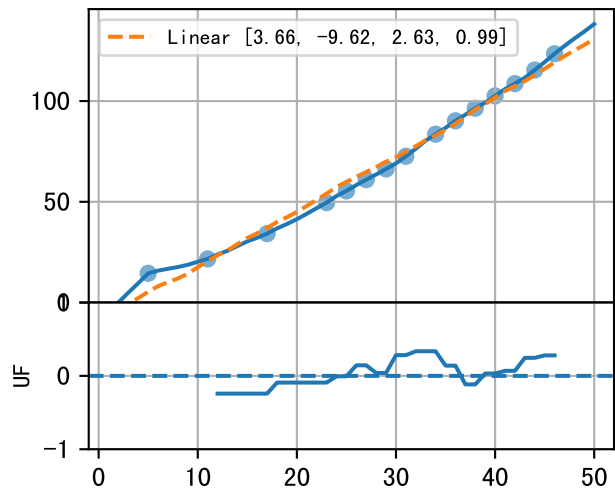
By Start Date



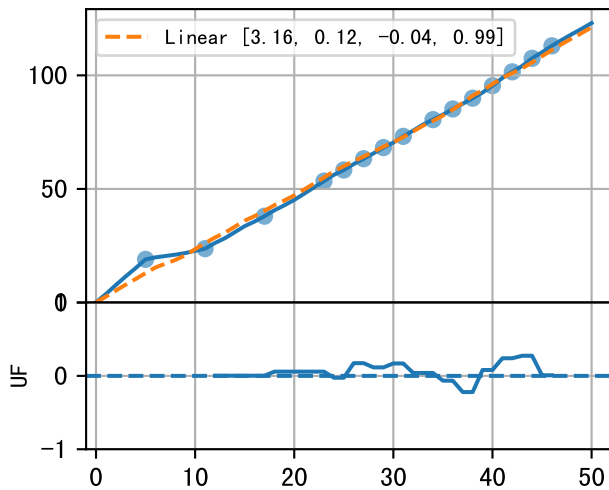
By Plant/Organ Age



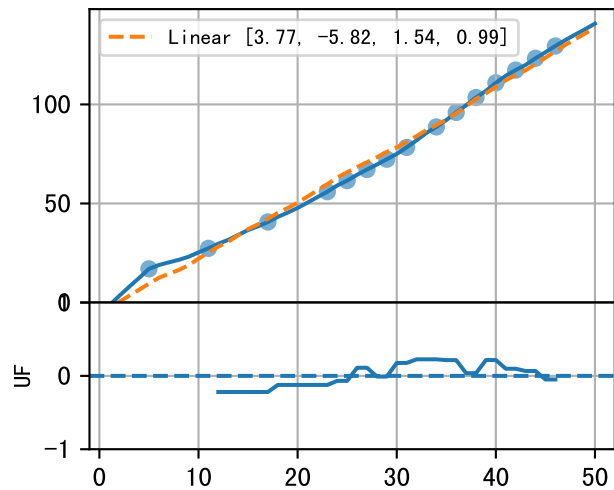
P6AE-007-10



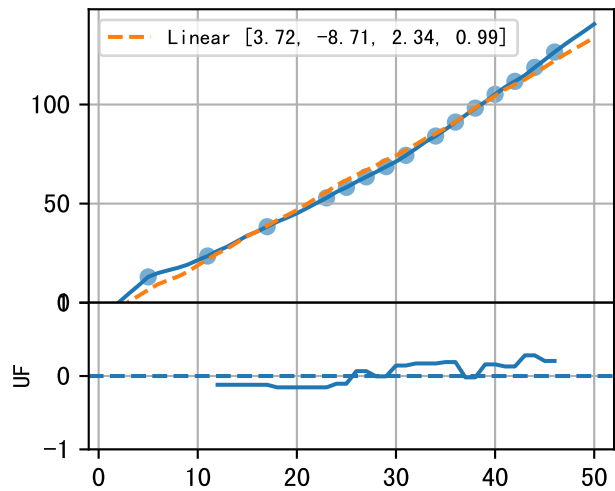
P6AE-014-17



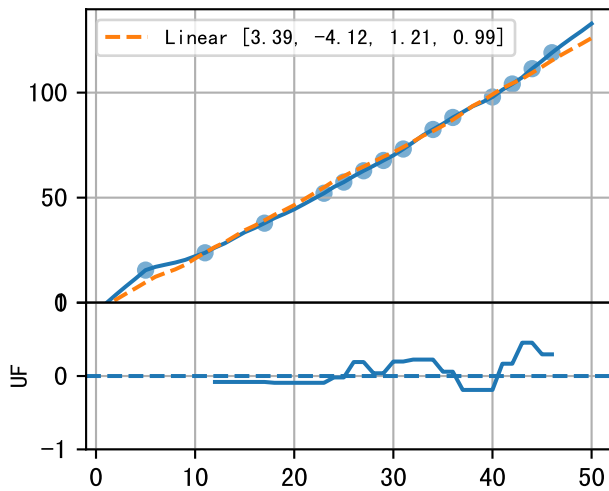
P6AE-026-25



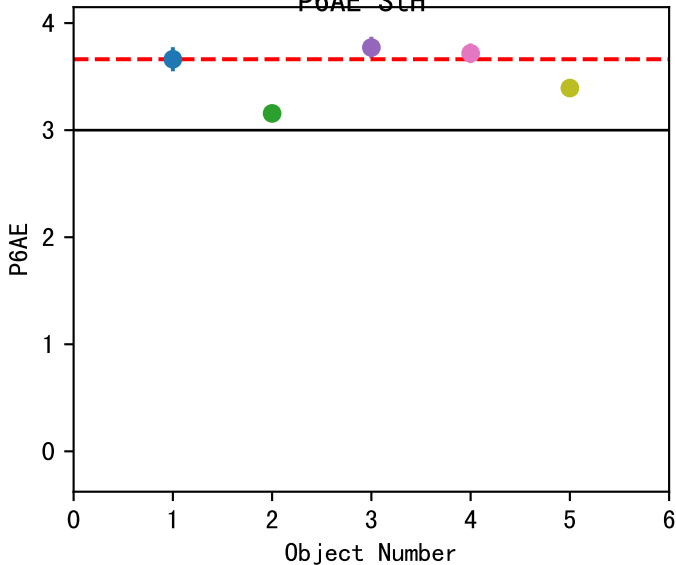
P6AE-033-4



P6AE-045-12

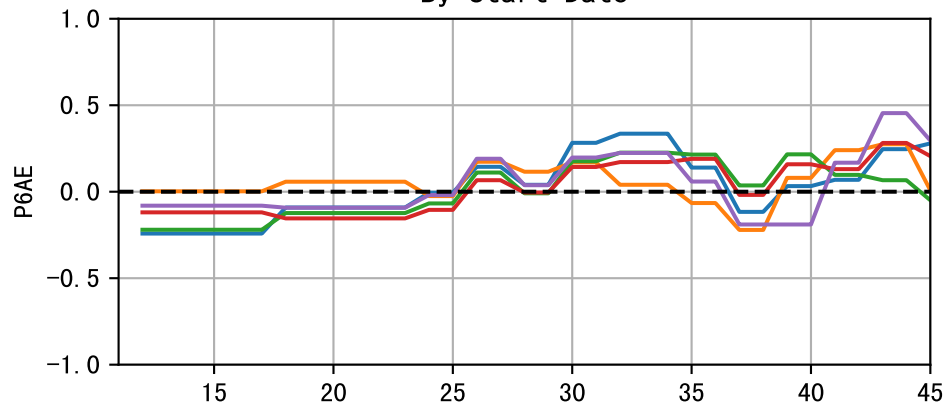


a (Def=3 Set=3.66)
avg1=3.66~7% avg2=na
P6AE StH

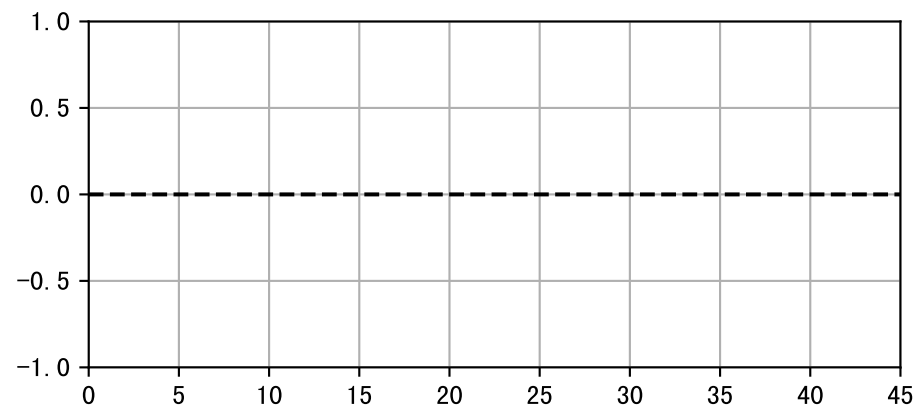
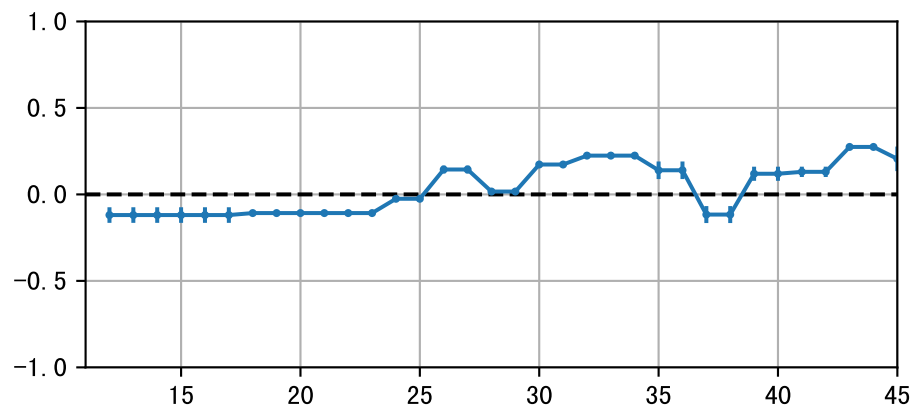
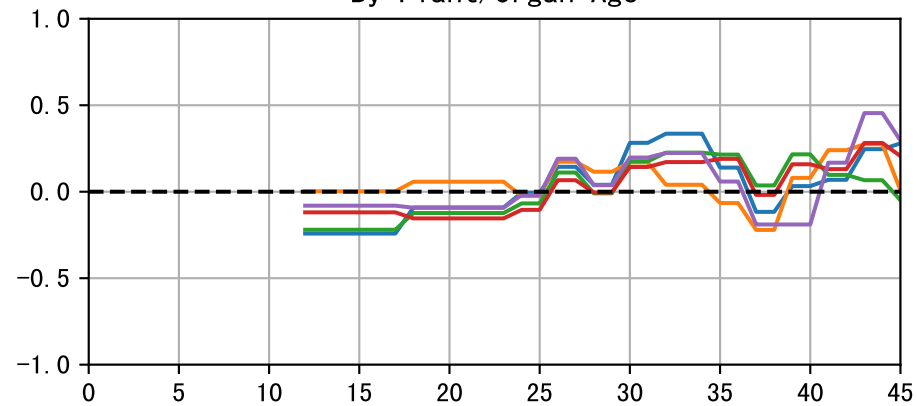


StH

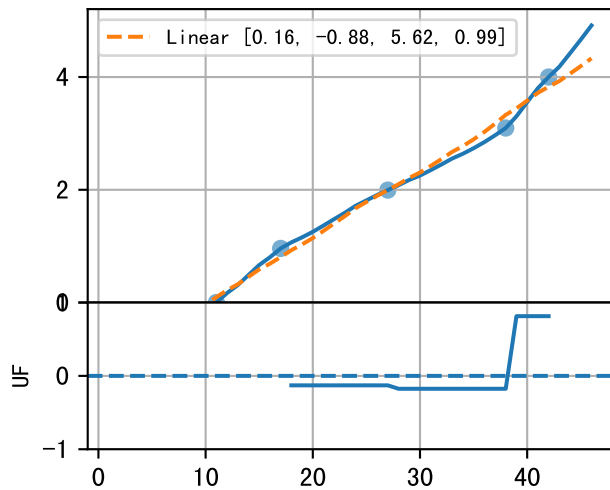
By Start Date



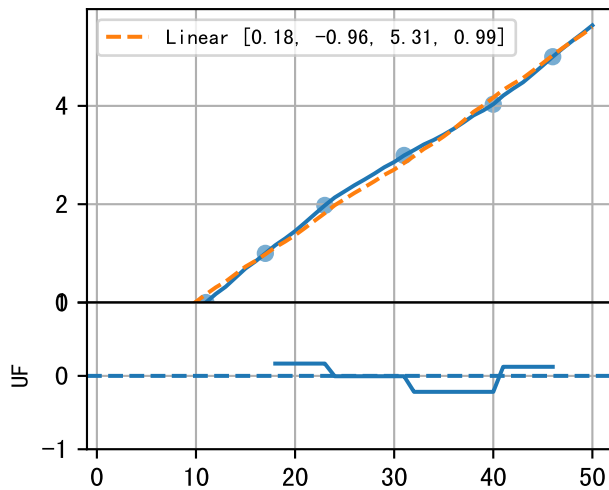
By Plant/Organ Age



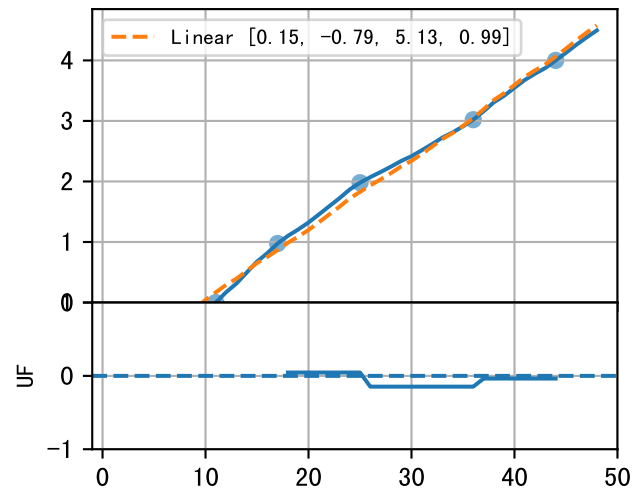
P6AE-007-10



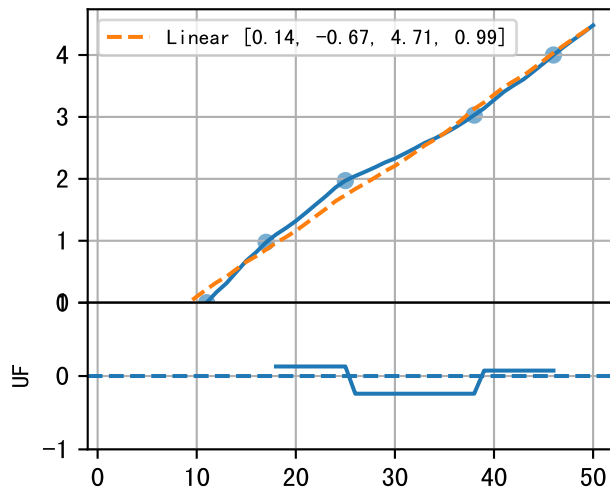
P6AE-014-17



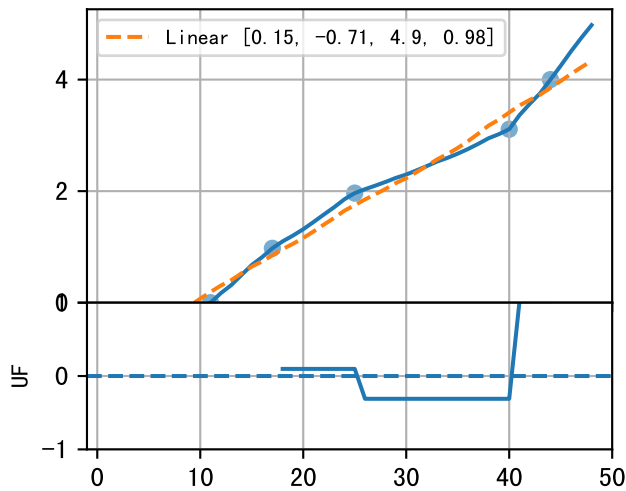
P6AE-026-25



P6AE-033-4



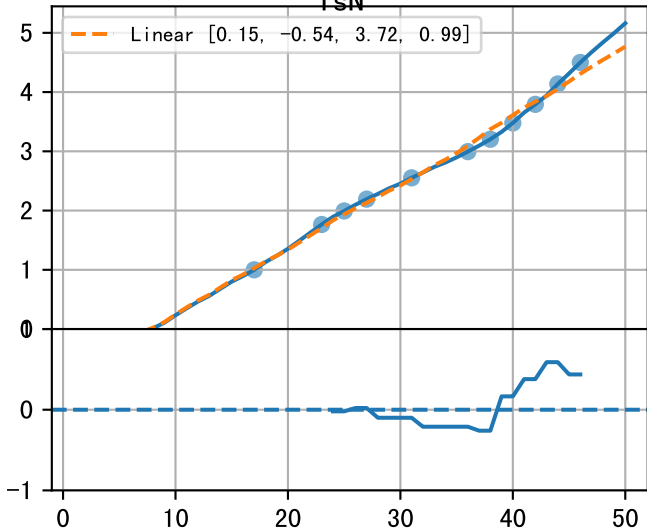
P6AE-045-12



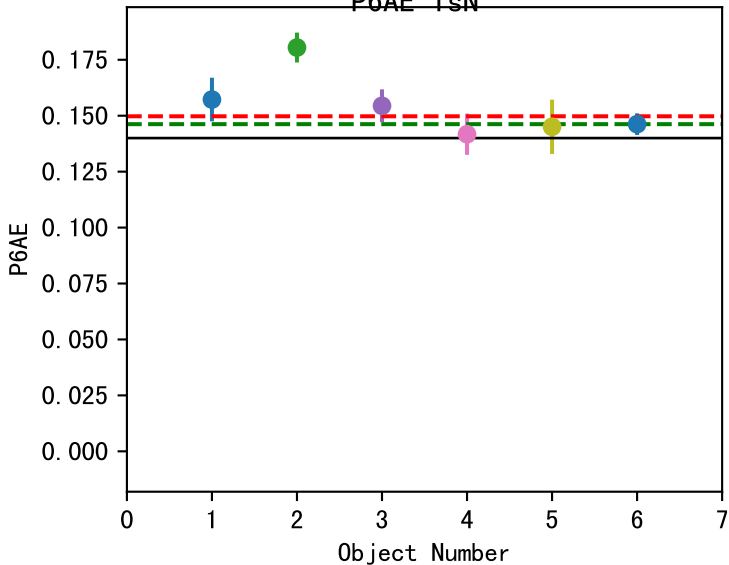
P6AEavg
 Γ_{SN}

Linear [0.15, -0.54, 3.72, 0.99]

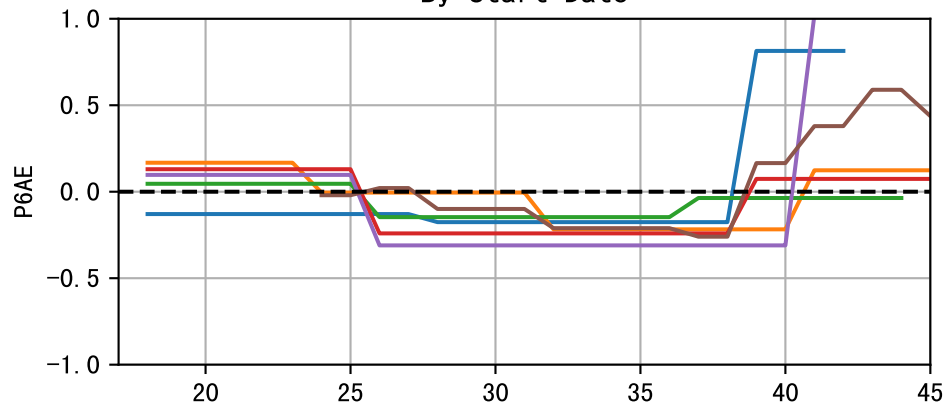
UF



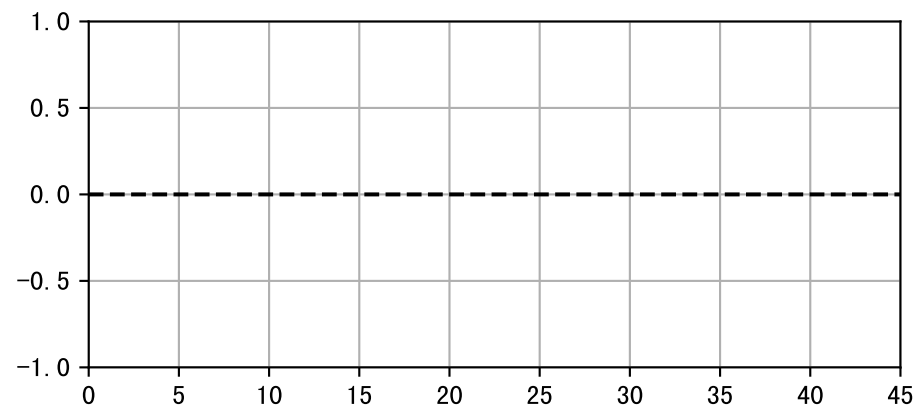
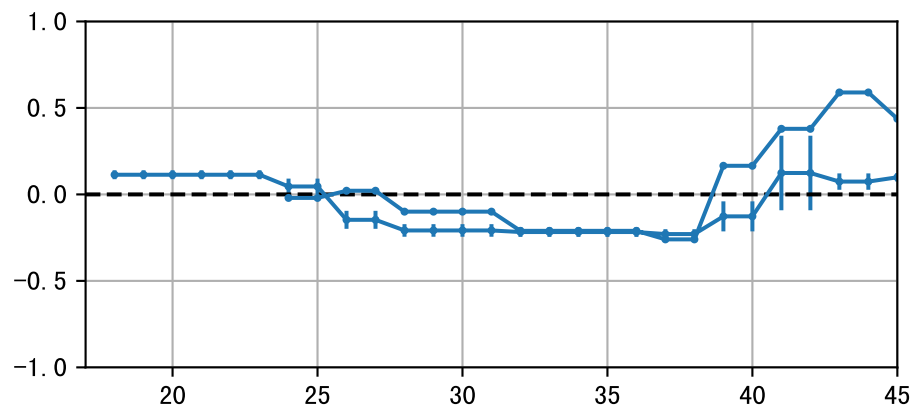
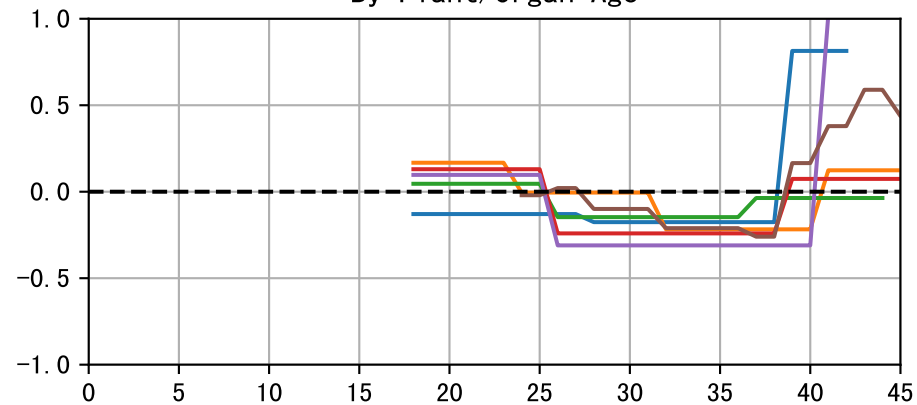
a (Def=0.14 Set=0.15)
avg1=0.15 $\sim$ 5% avg2=0.15 $\sim$ 7%
P6AE TsN



By Start Date

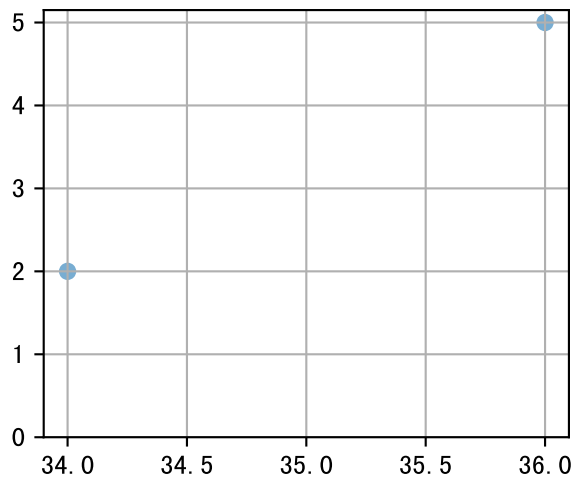


By Plant/Organ Age

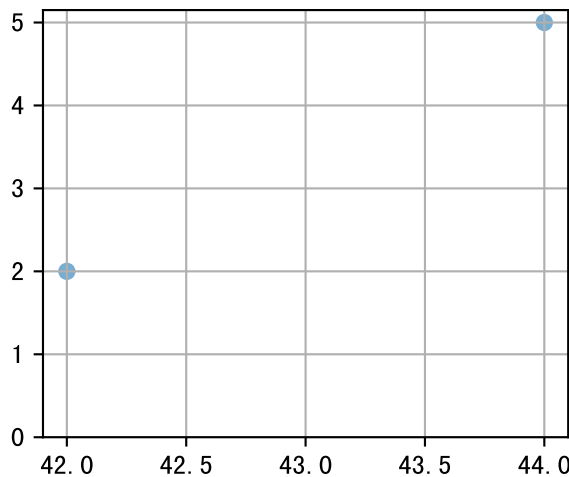


FrN

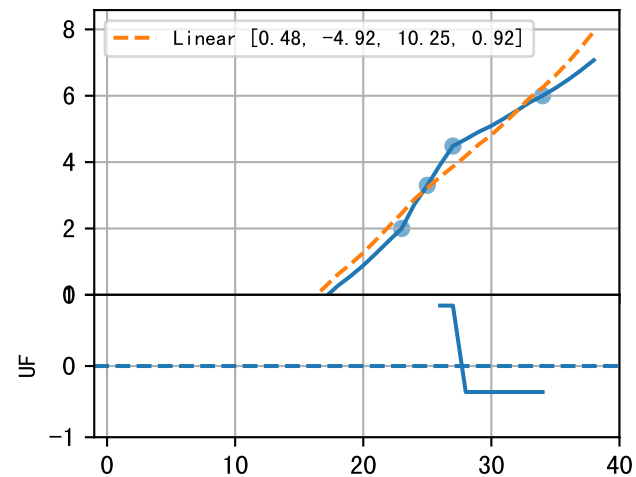
P6AE-007-10T2 (fit failed)



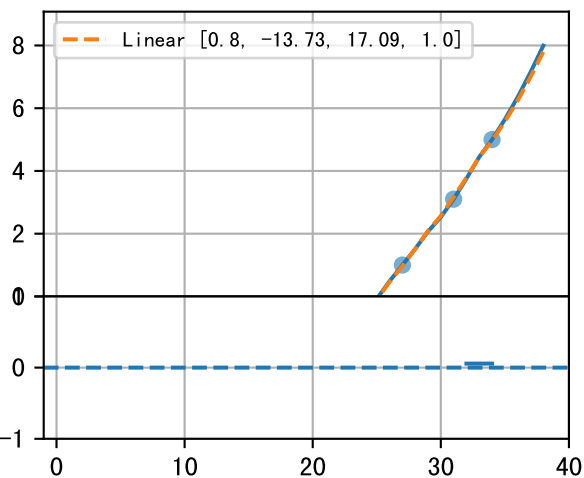
P6AE-007-10T3 (fit failed)



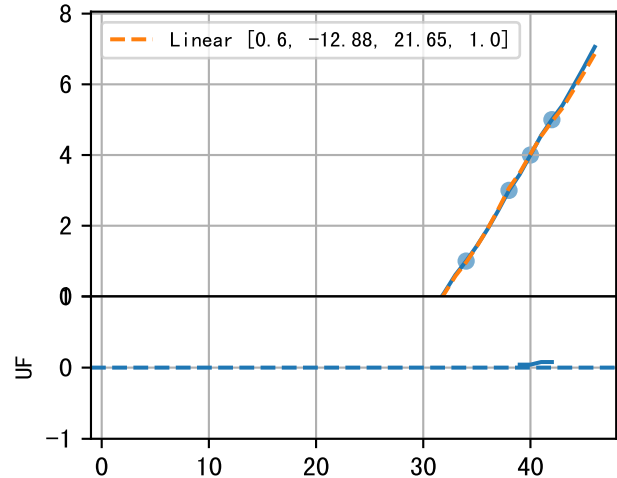
P6AE-014-17T1



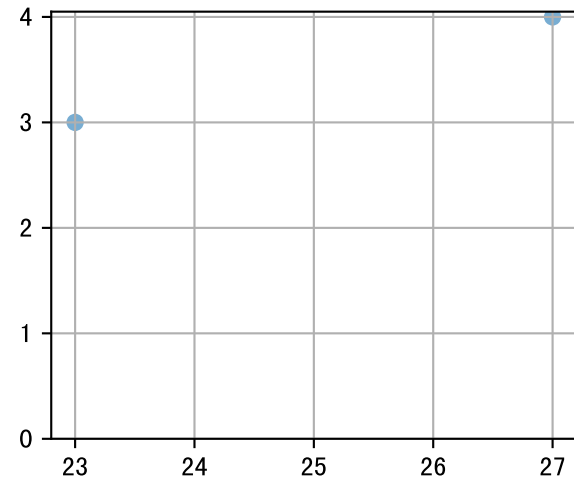
P6AE-014-17T2



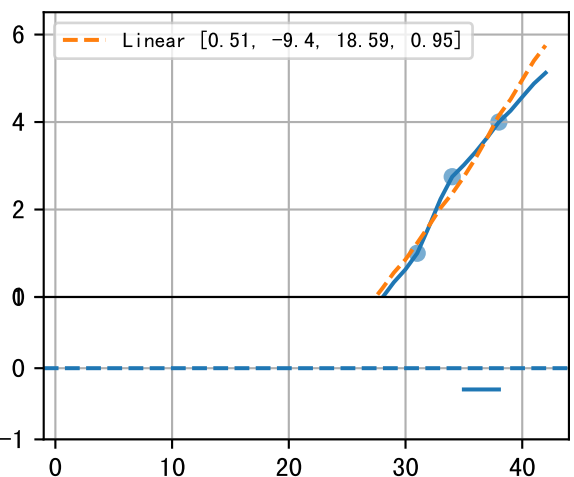
P6AE-014-17T3



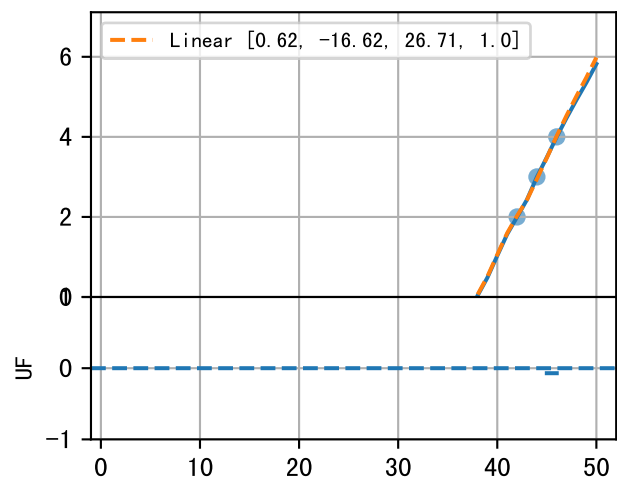
P6AE-026-25T1 (fit failed)



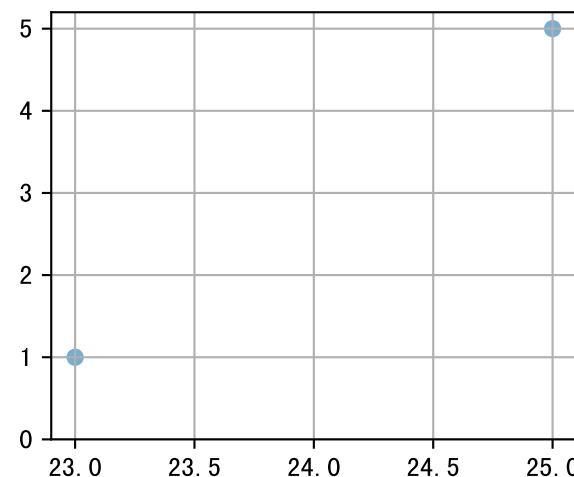
P6AE-026-25T2



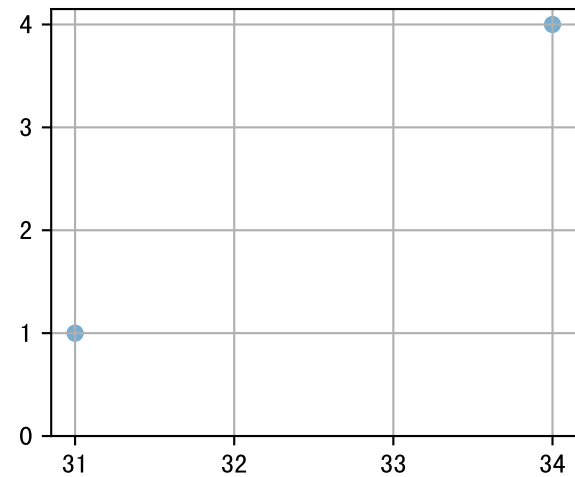
P6AE-026-25T3



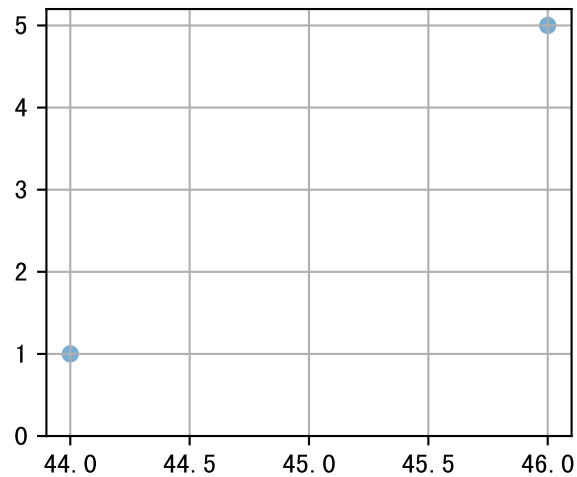
P6AE-033-4T1 (fit failed)



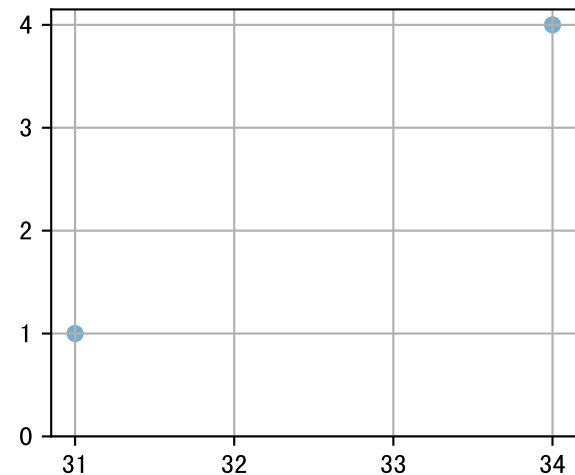
P6AE-033-4T2 (fit failed)



P6AE-033-4T3 (fit failed)

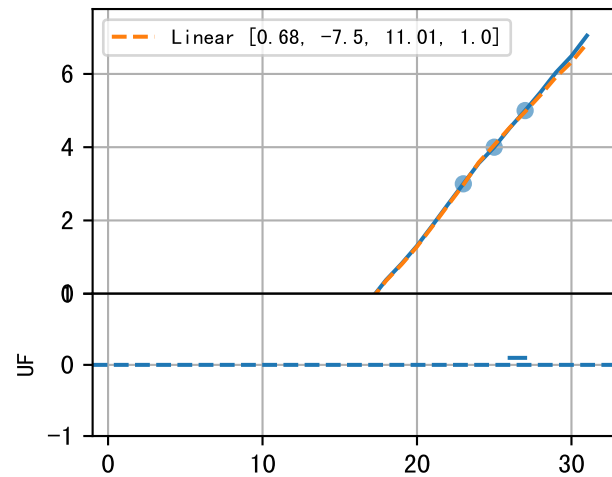


P6AE-045-12T2 (fit failed)

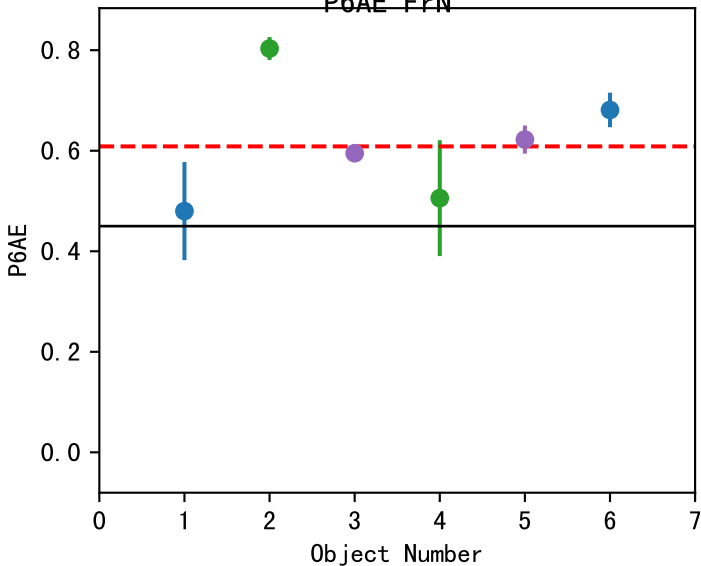


FrN

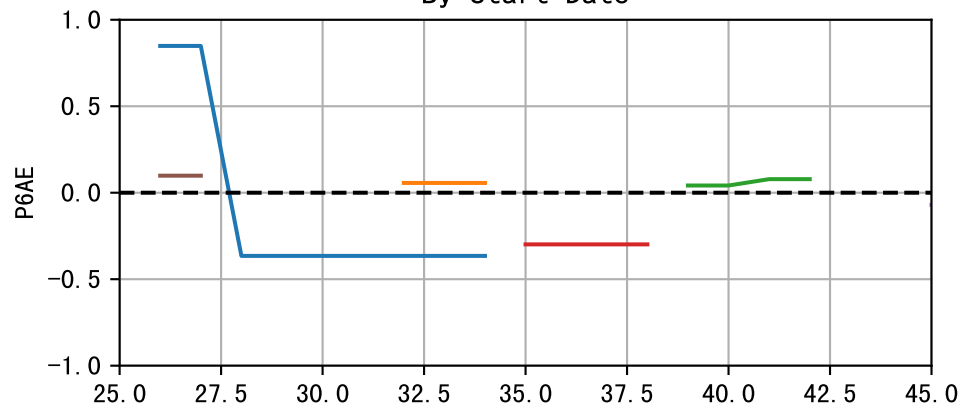
P6AE-045-12T1



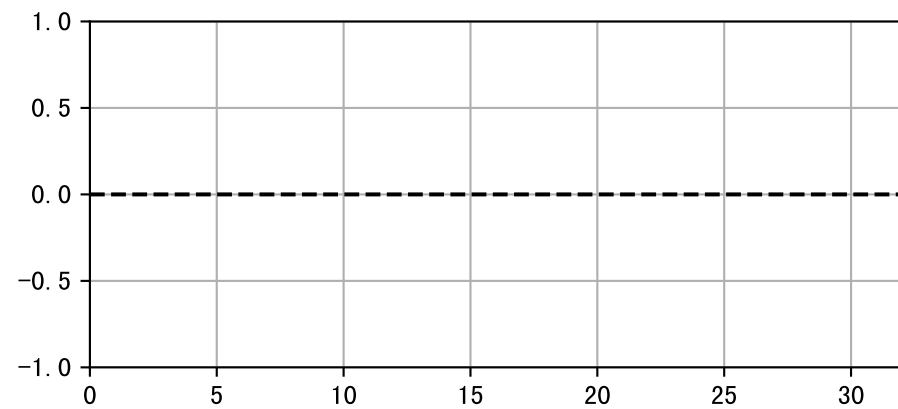
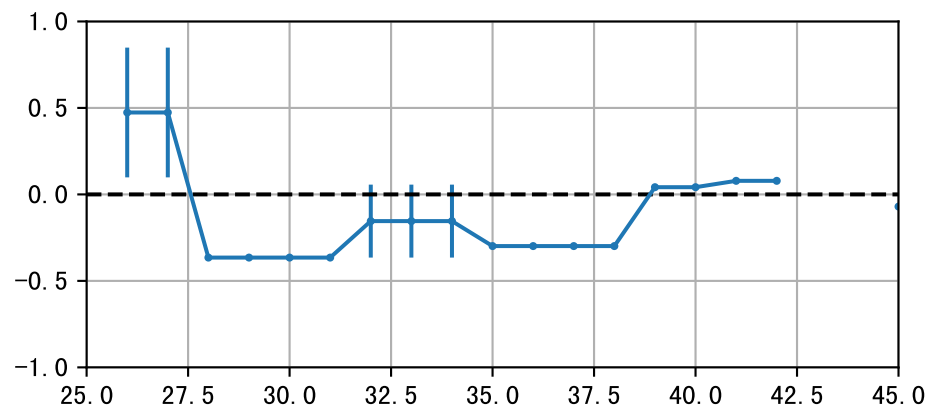
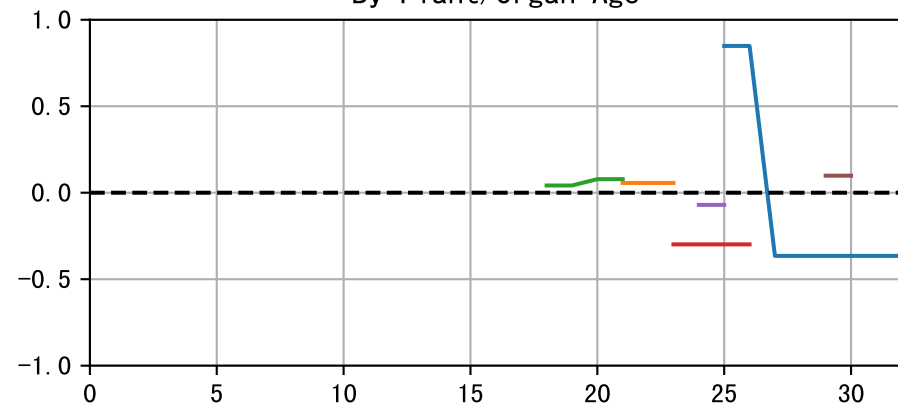
a (Def=0.45 Set=0.61)
avg1=0.61~20% avg2=na



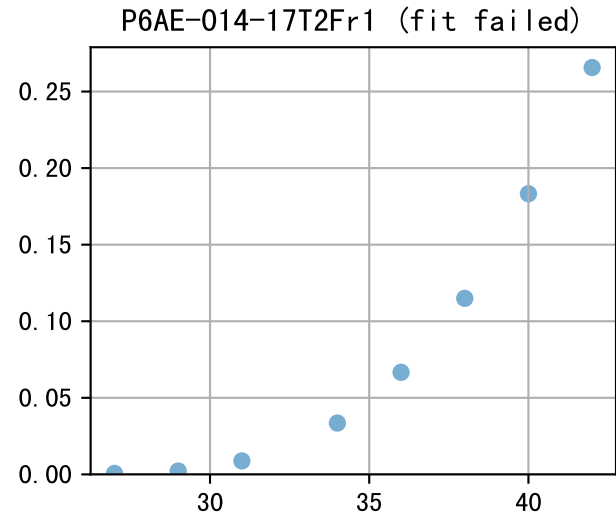
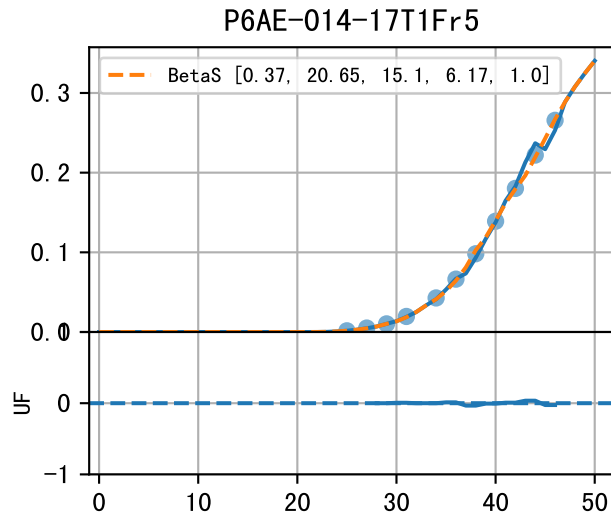
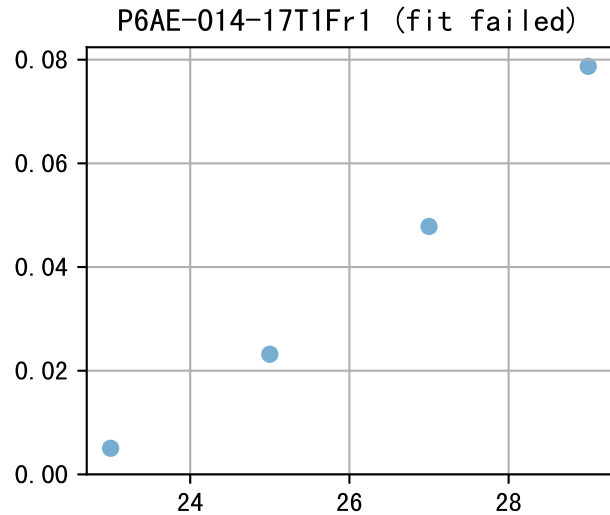
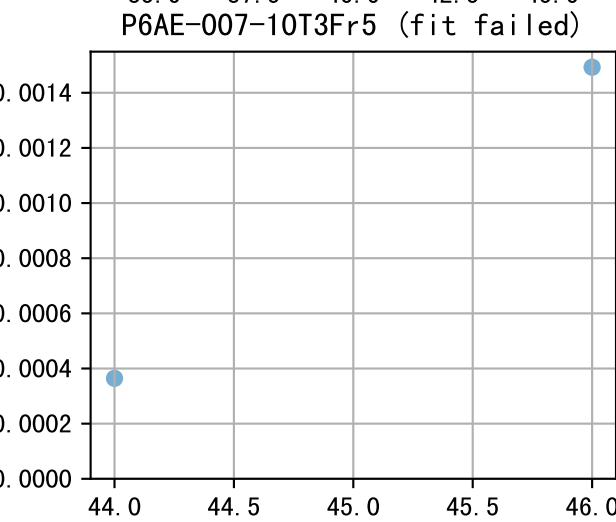
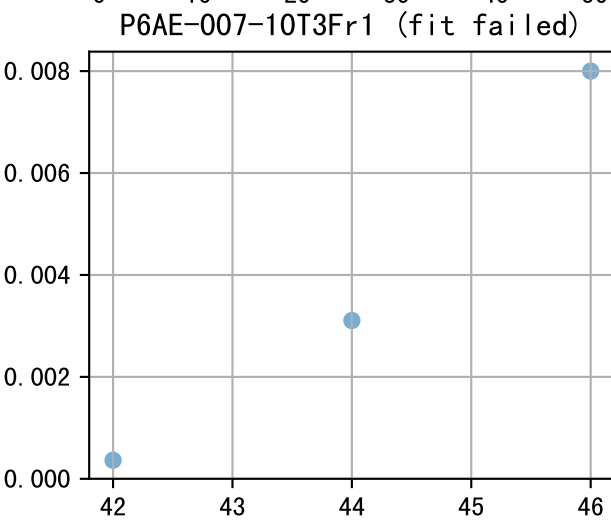
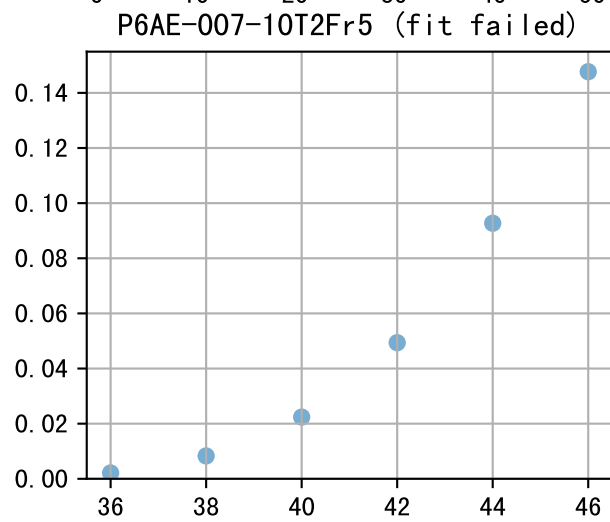
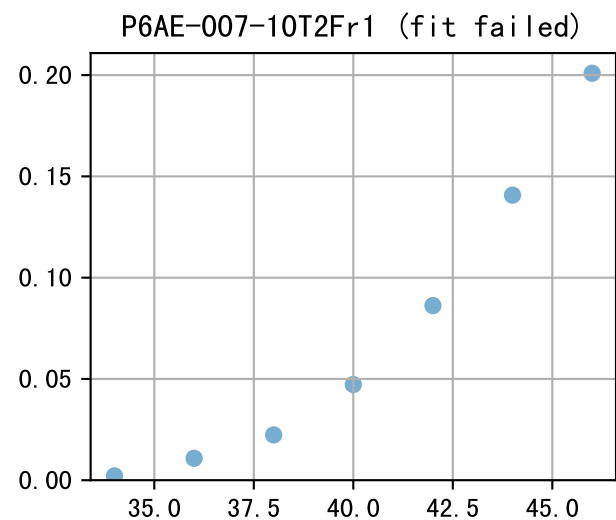
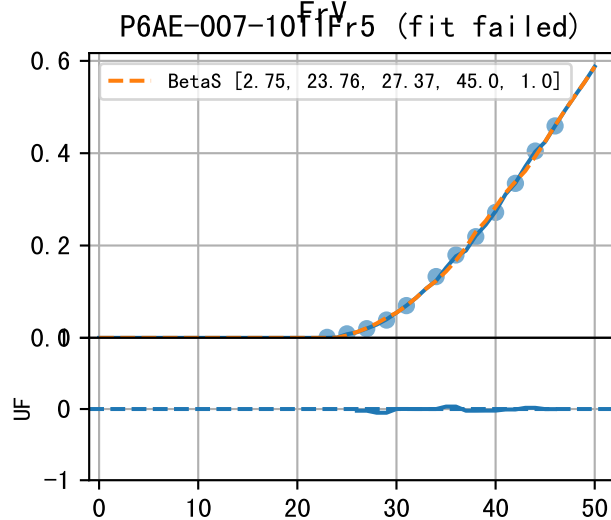
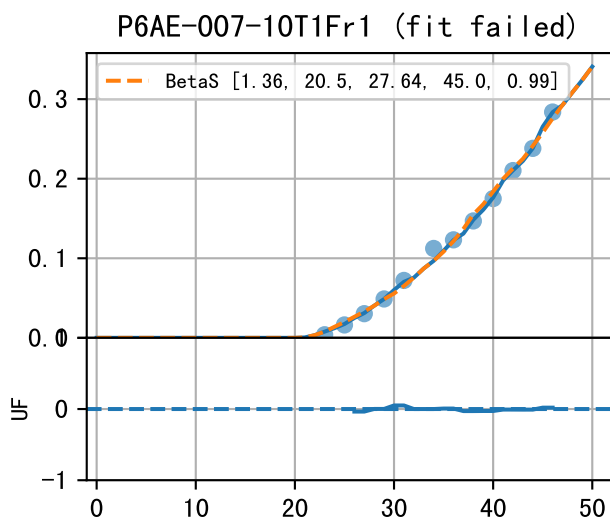
By Start Date



By Plant/Organ Age



FrV

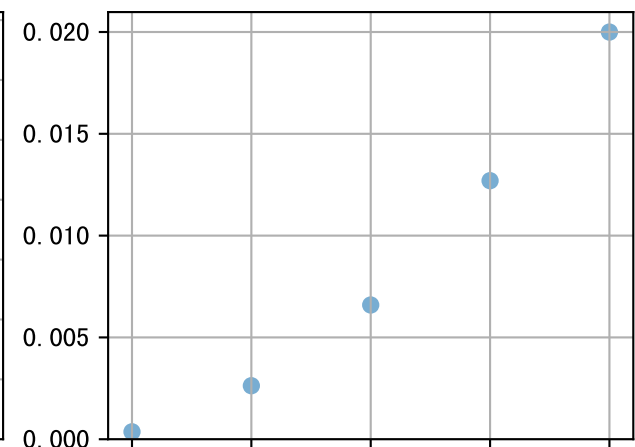
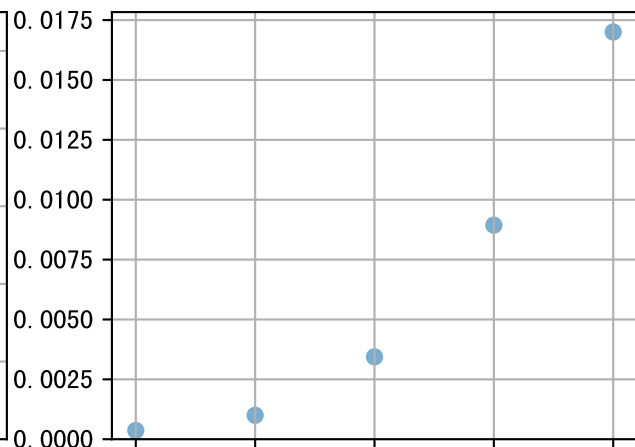
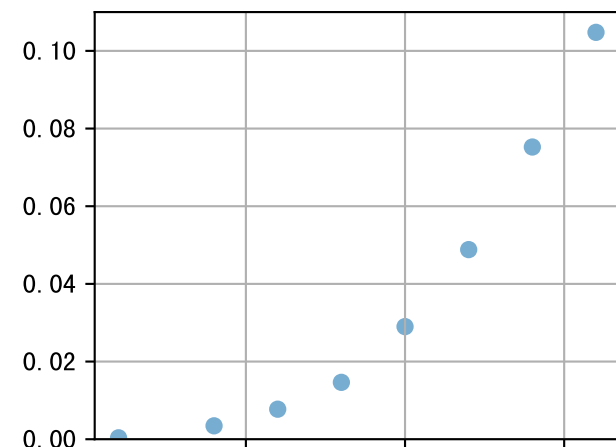


FrV

P6AE-014-17T2Fr5 (fit failed)

P6AE-014-17T3Fr1 (fit failed)

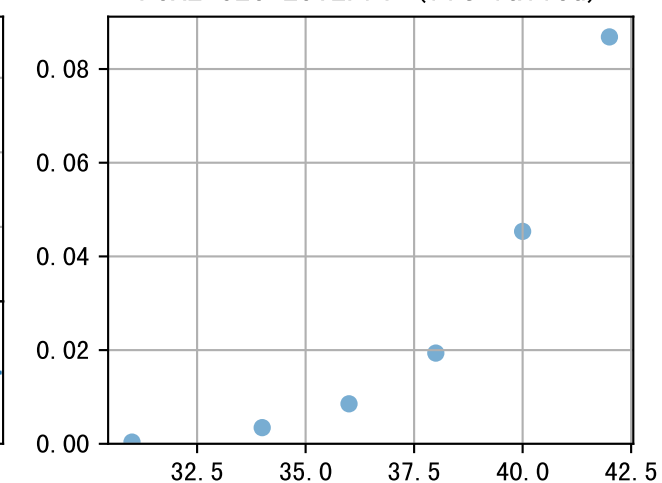
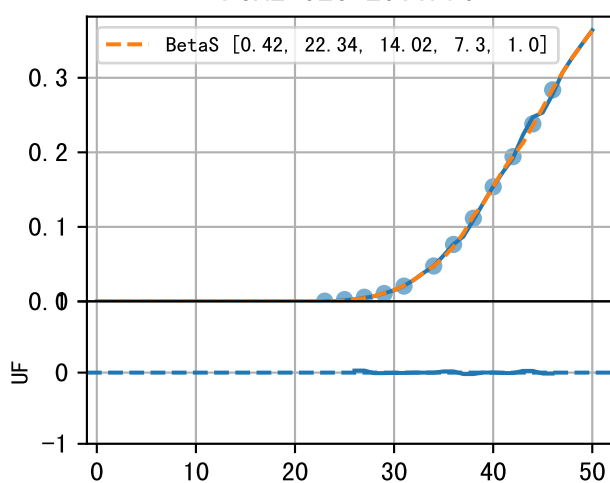
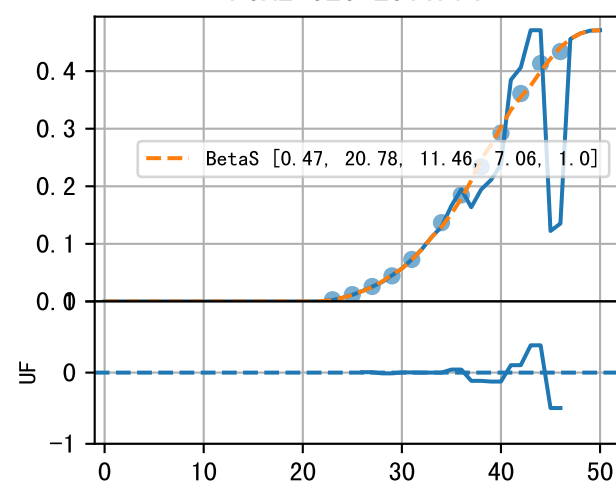
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P6AE-026-25T1Fr1

P6AE-026-25T1Fr5

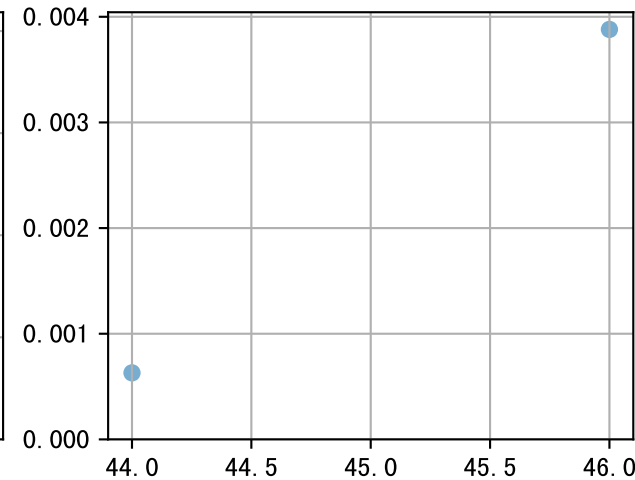
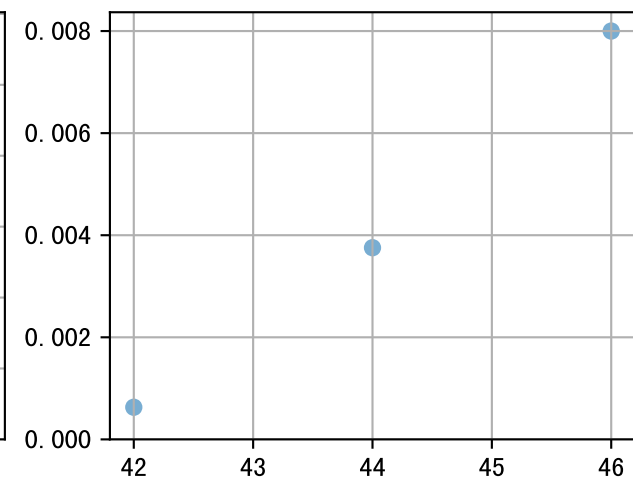
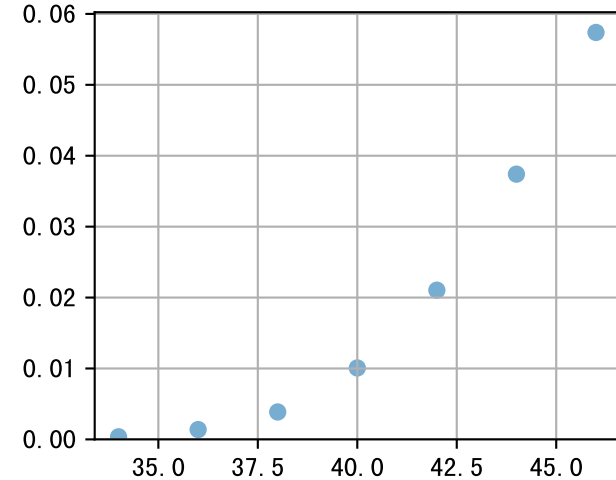
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P6AE-026-25T2Fr5 (fit failed)

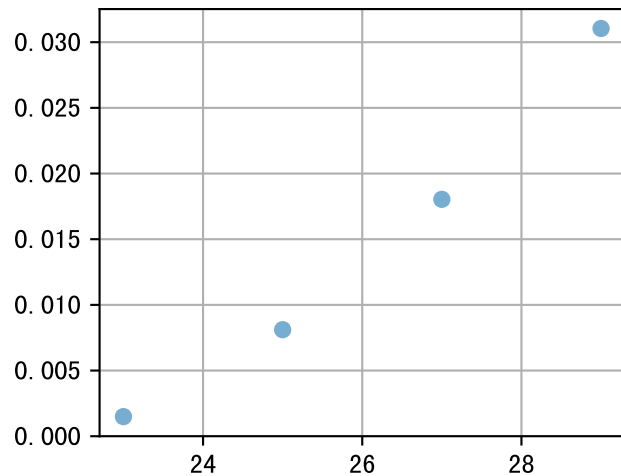
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P6AE-026-25T3Fr5 (fit failed)

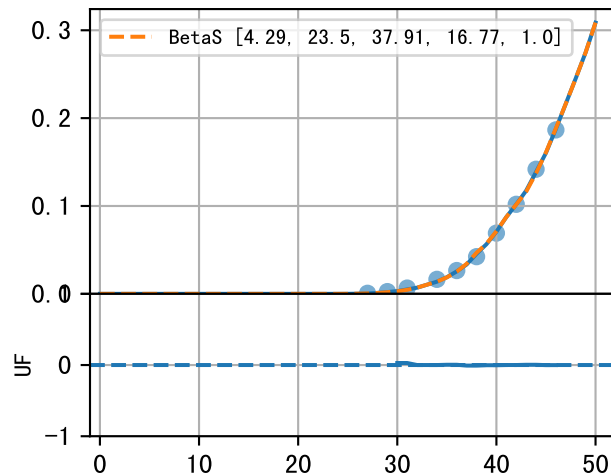


FrV

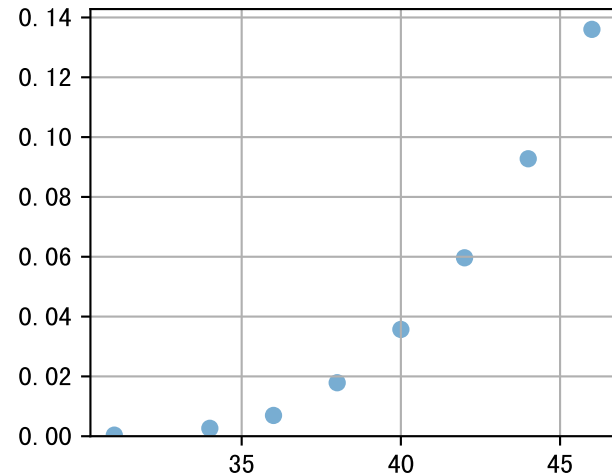
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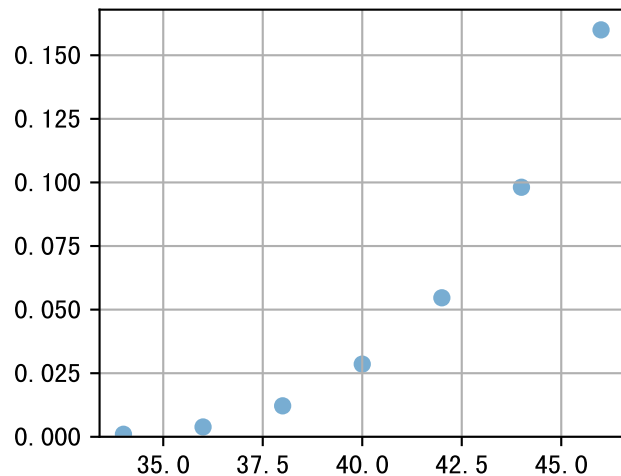
P6AE-033-4T1Fr5 (fit failed)



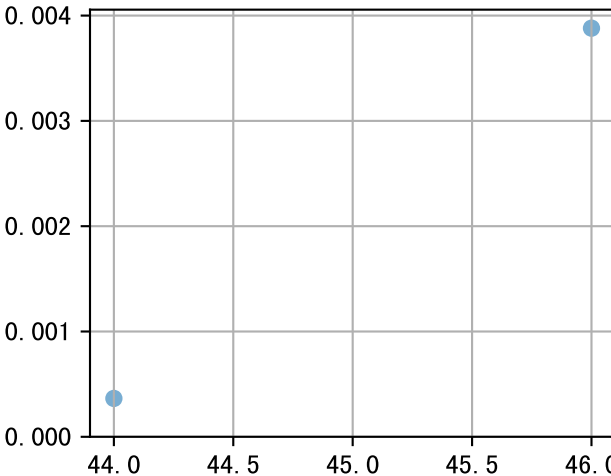
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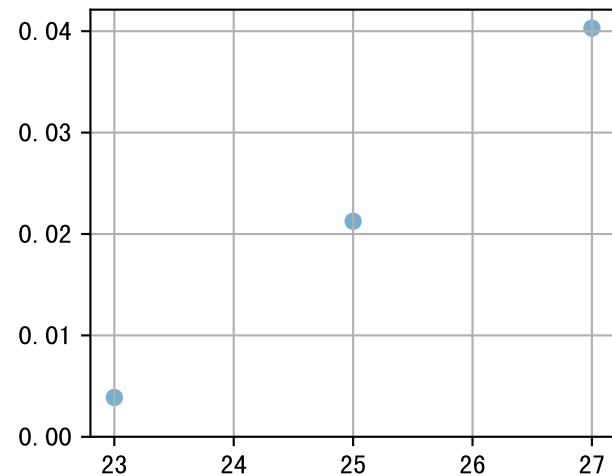
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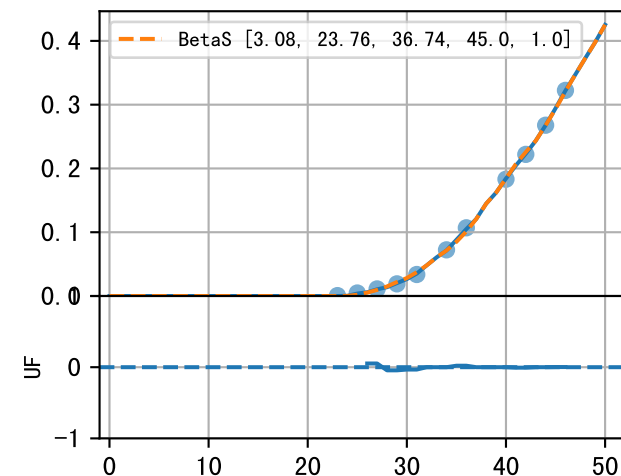
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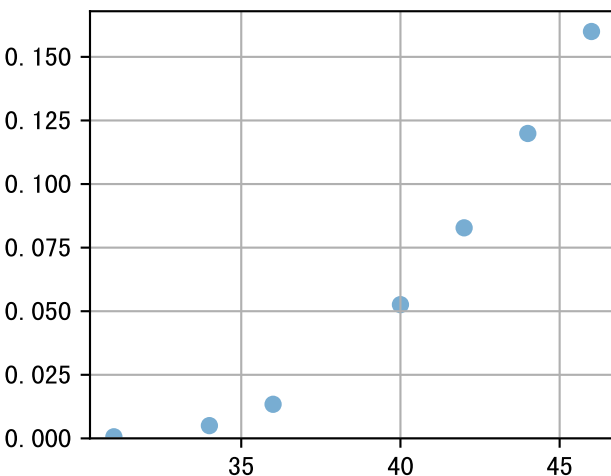
P6AE-045-12T1Fr1 (fit failed)



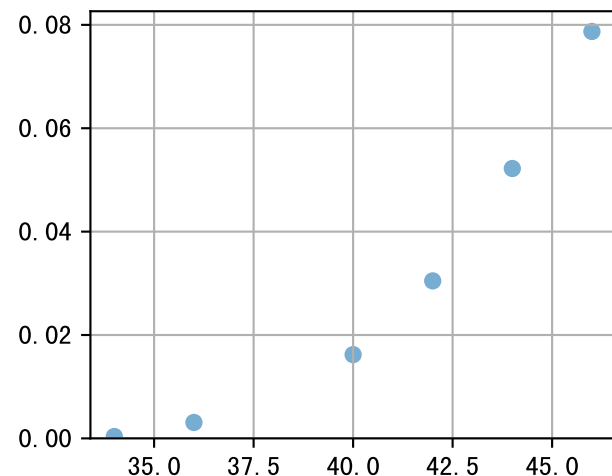
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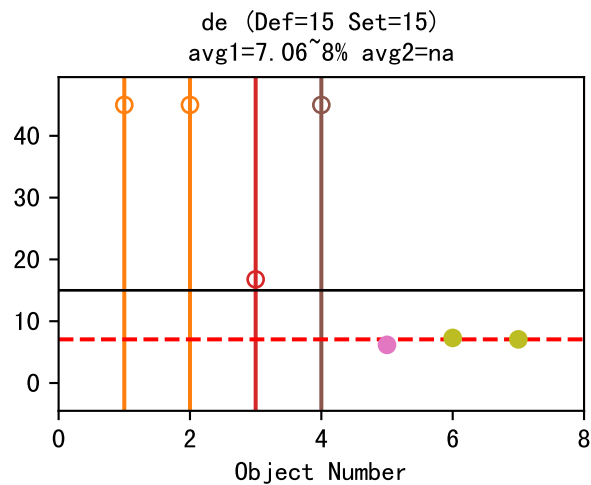
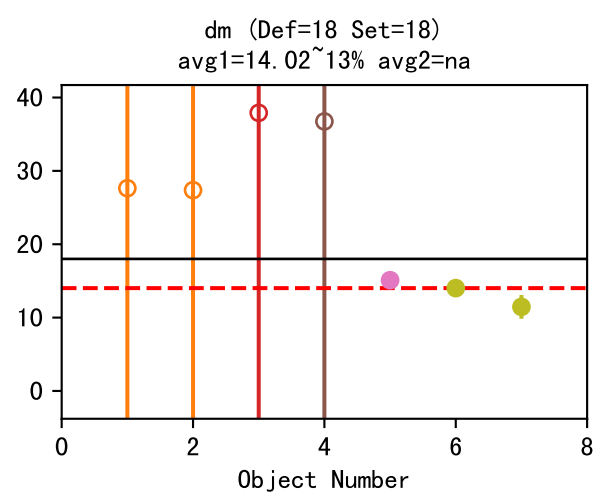
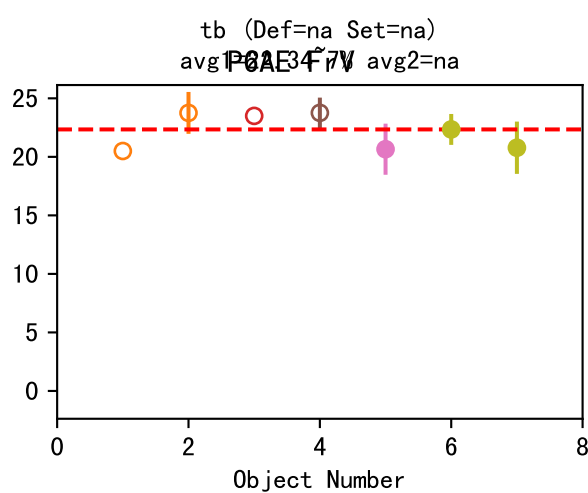
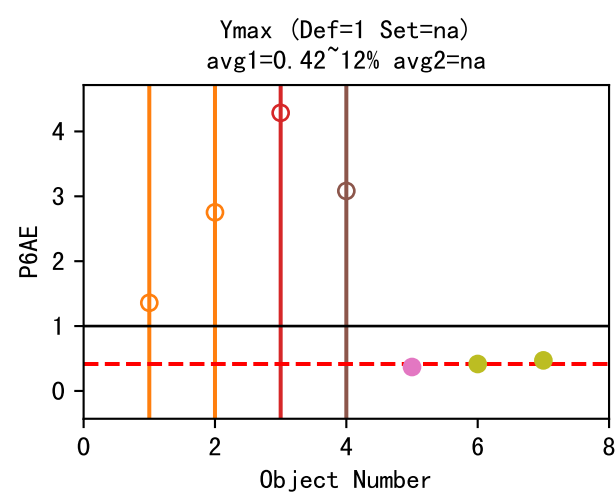


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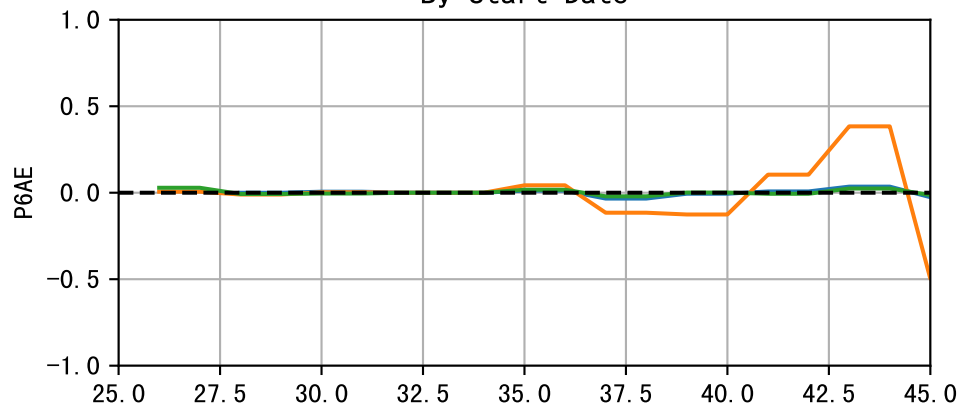


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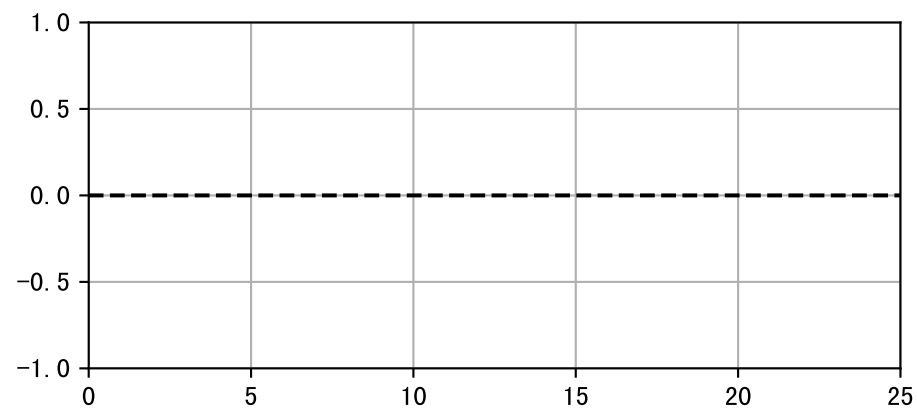
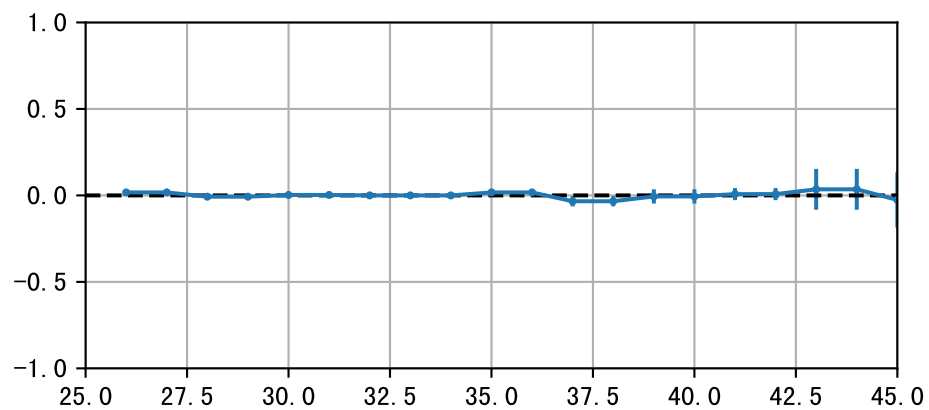
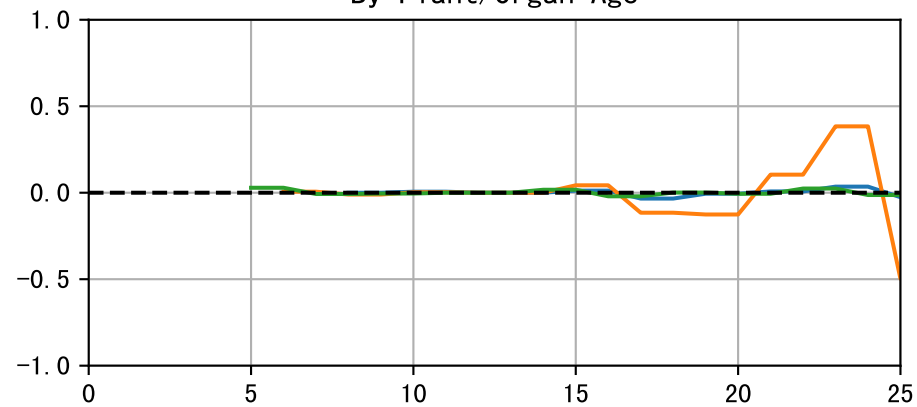




By Start Date



By Plant/Organ Age

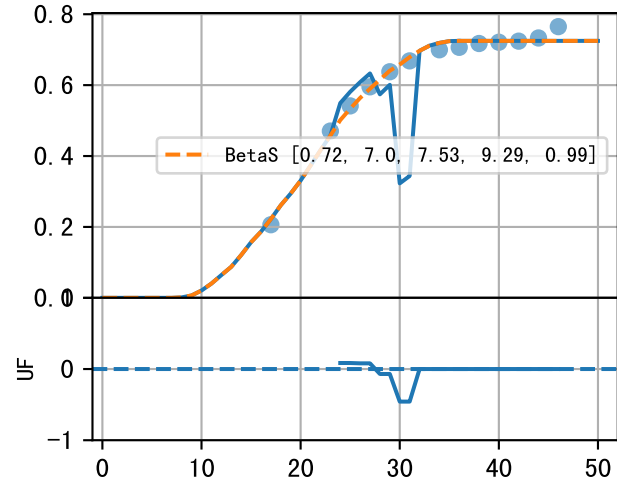
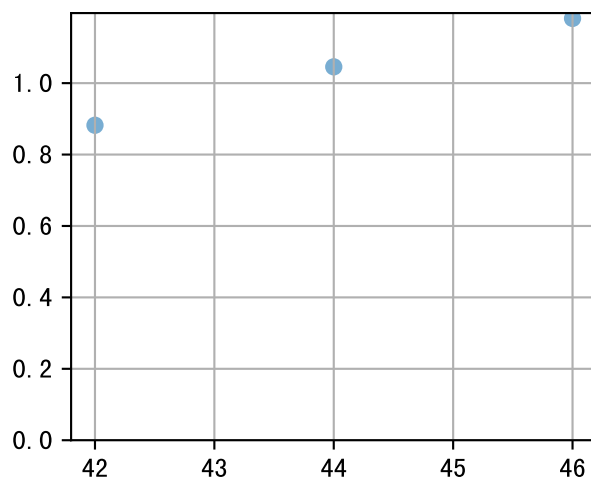
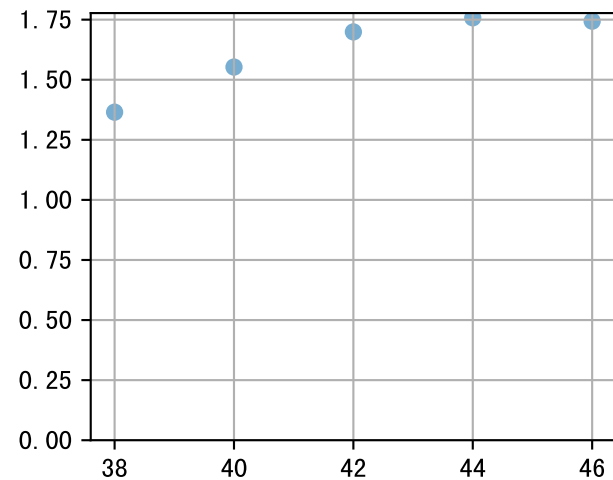


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P6AE-007-10L13 (fit failed)

P6AE-007-10L16 (fit failed)

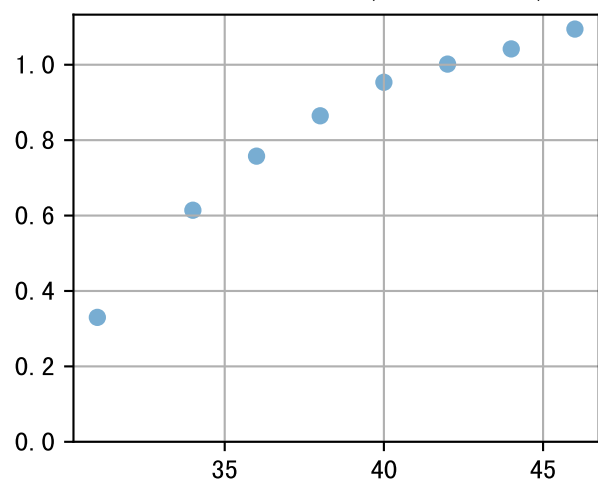
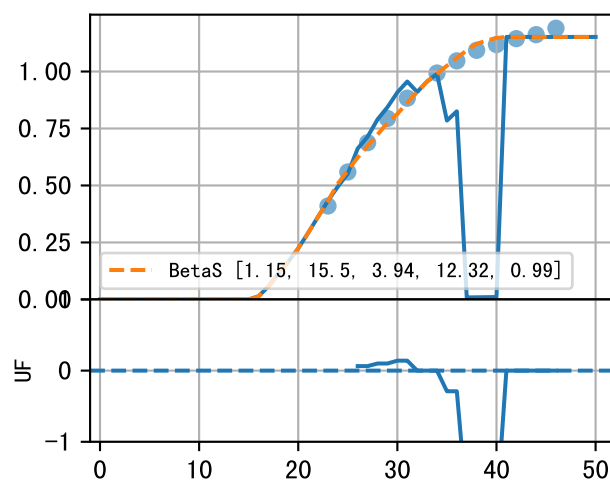
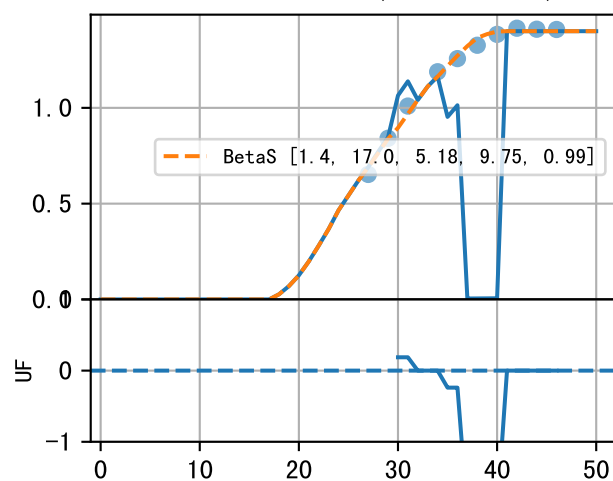
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P6AE-007-10L9 (fit failed)

P6AE-014-17L11

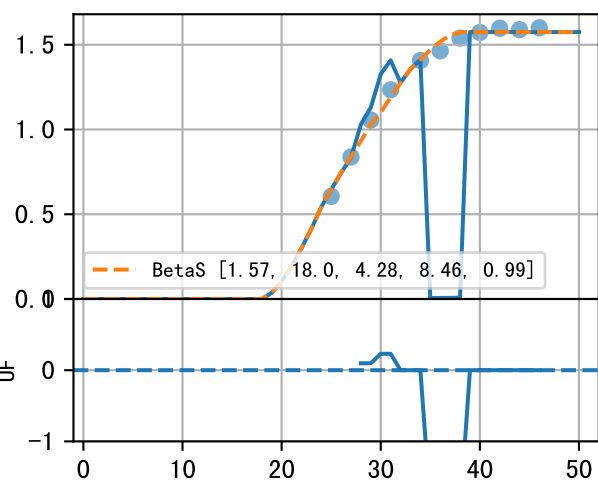
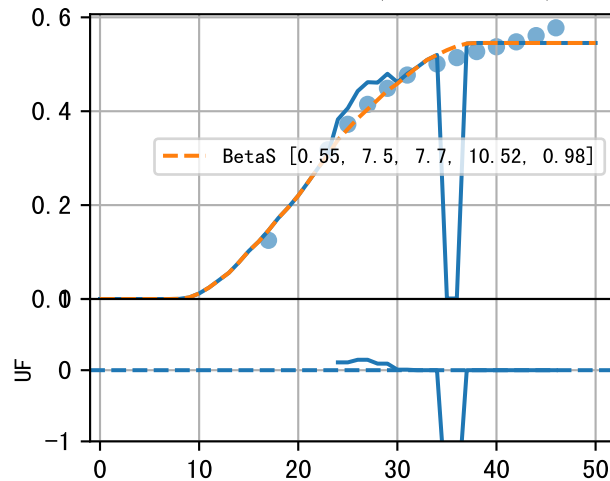
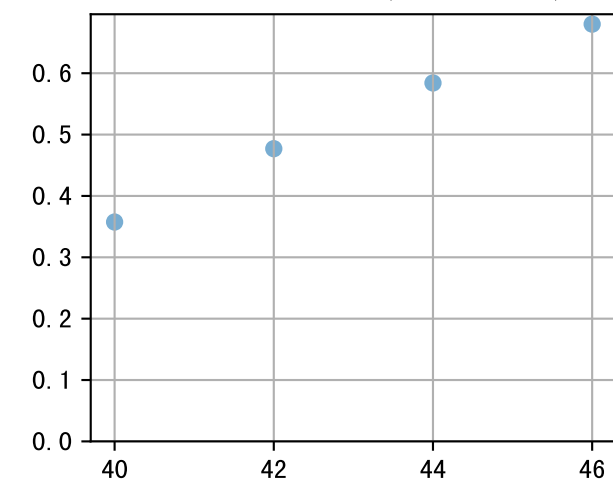
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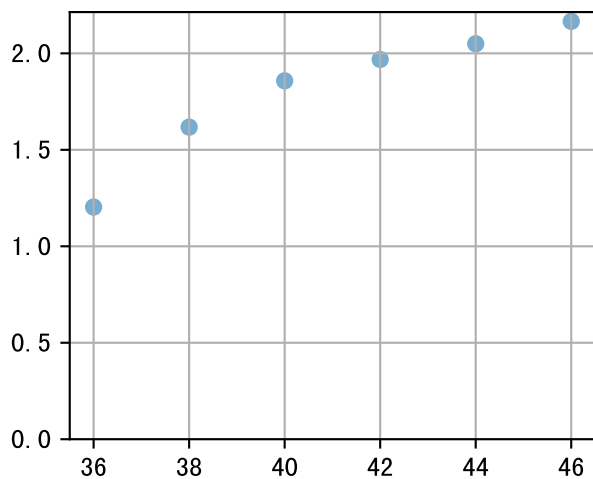
P6AE-014-17L17 (fit failed)

P6AE-014-17L8 (fit failed)

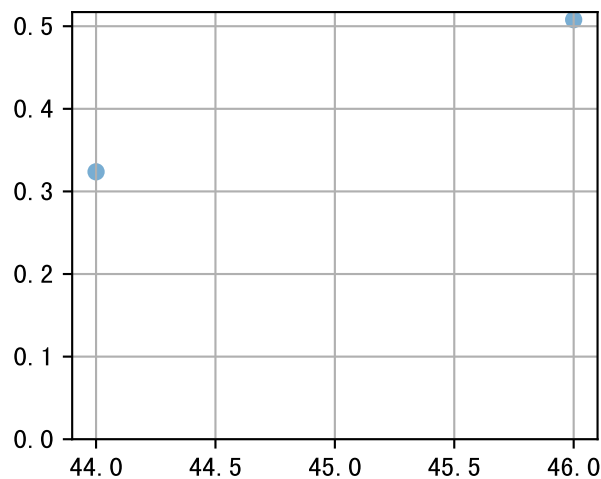
P6AE-026-25L10



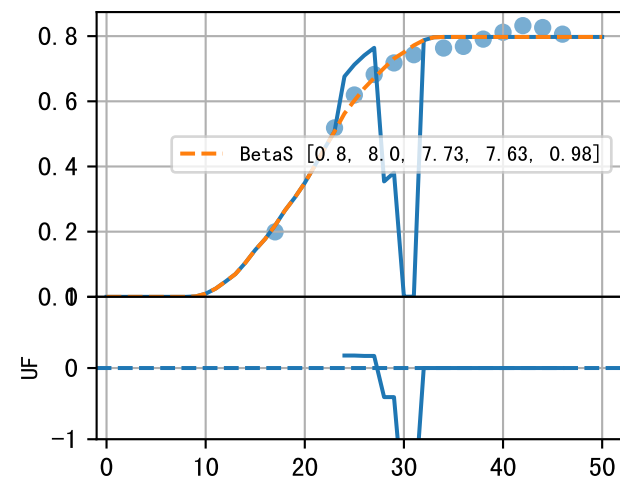
P6AE-026-25L13 (fit failed)



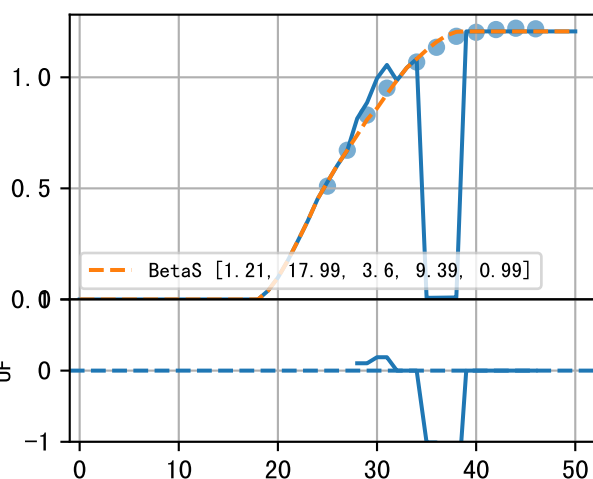
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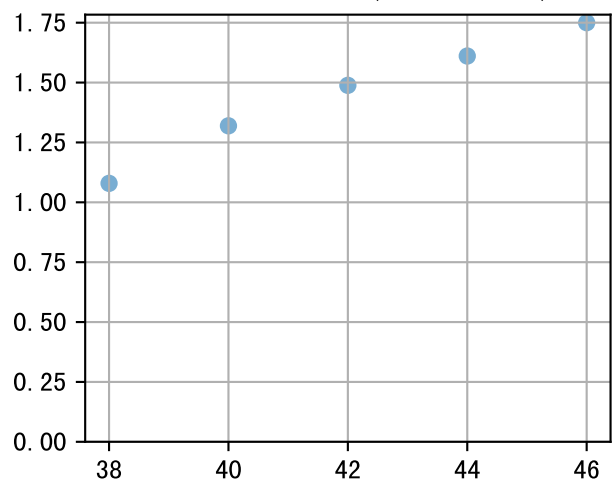
P6AE-026-25L7 (fit failed)



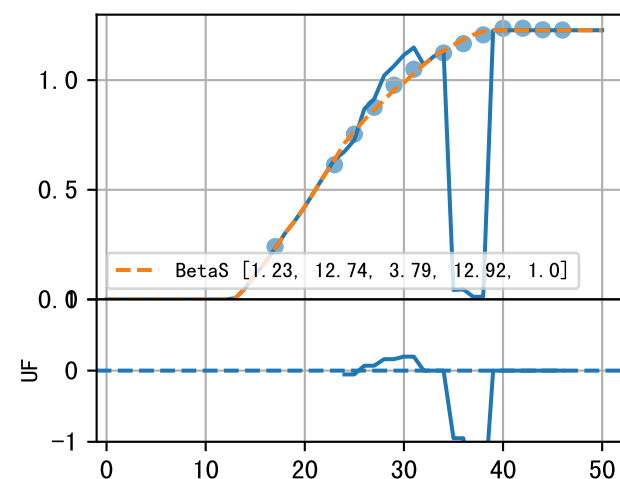
P6AE-033-4L10



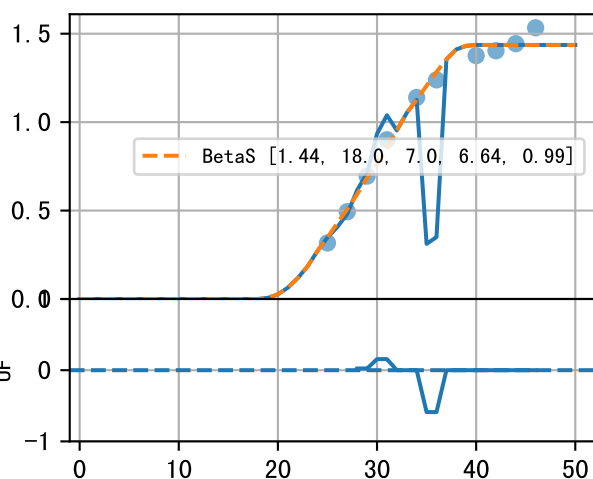
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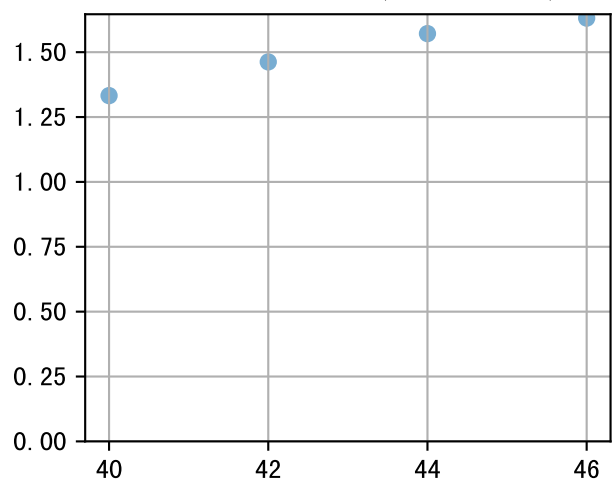
P6AE-033-4L8



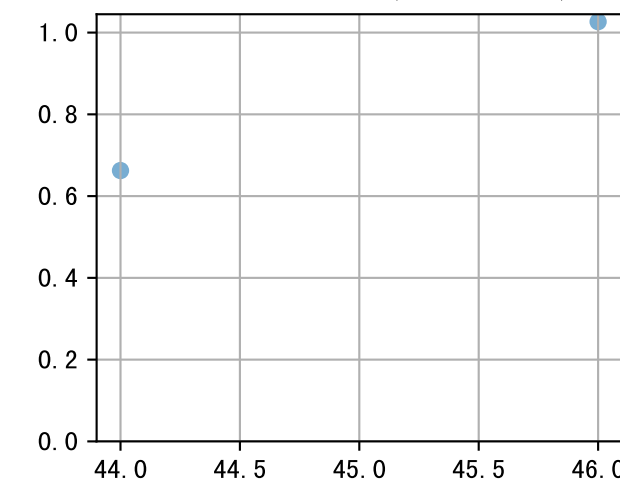
P6AE-045-12L10



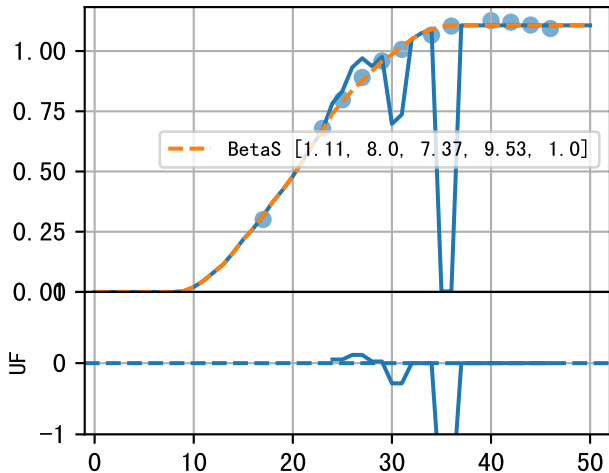
P6AE-045-12L14 (fit failed)

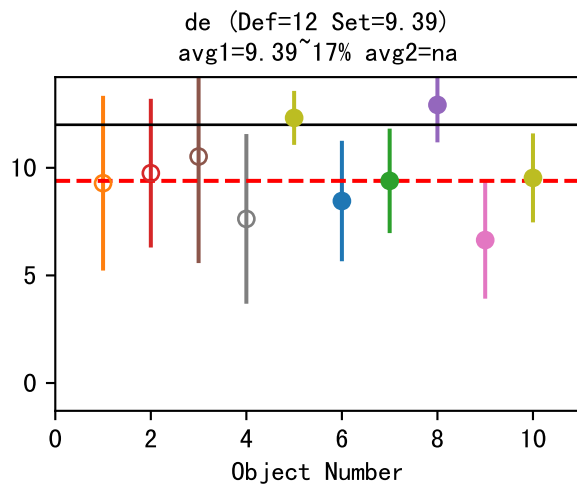
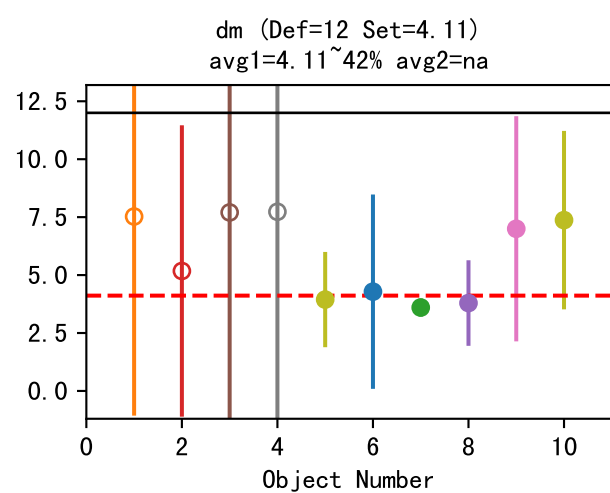
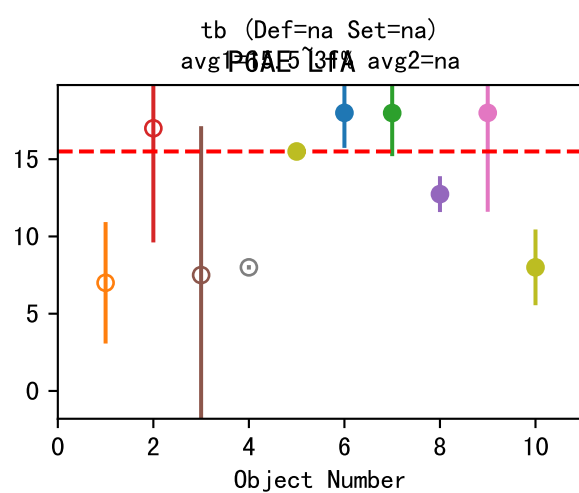
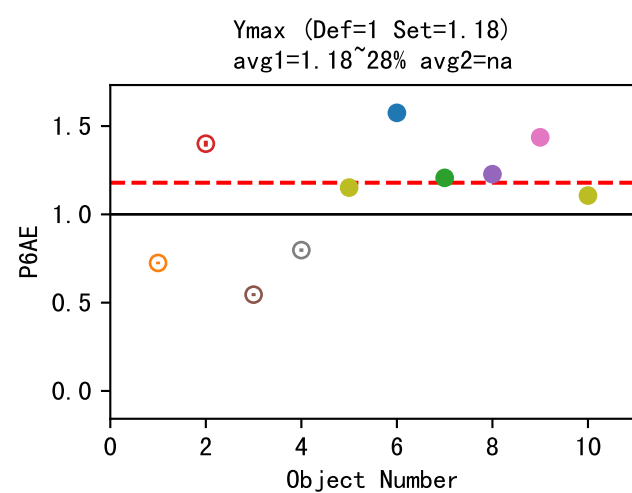


P6AE-045-12L17 (fit failed)

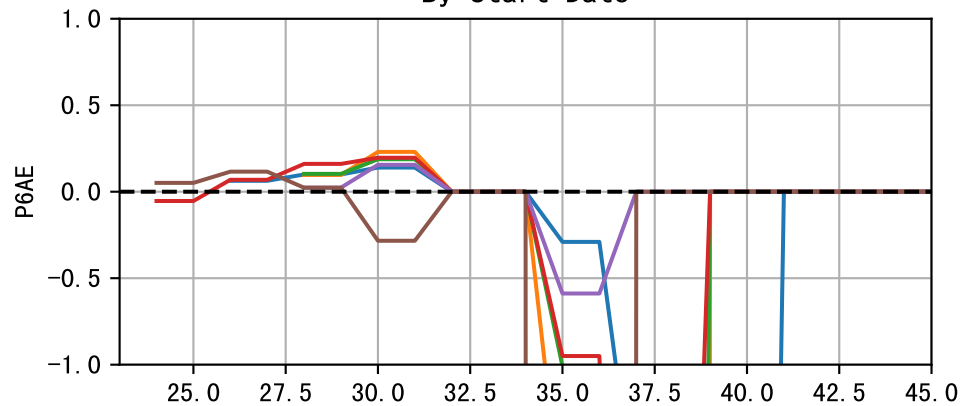


P6AE-045-12L7

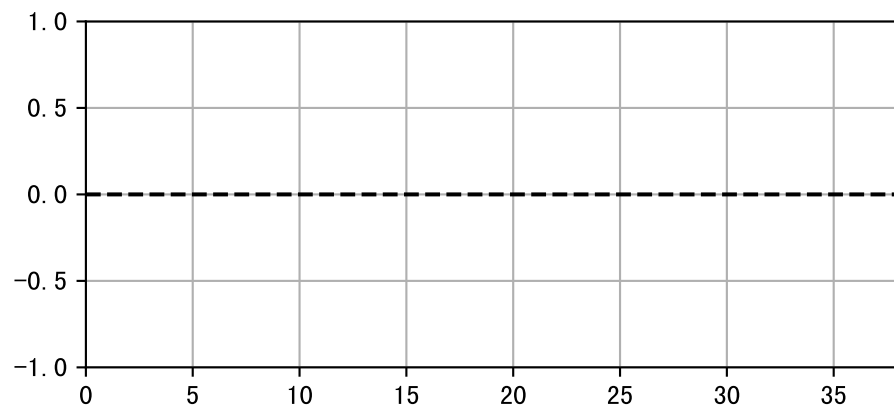
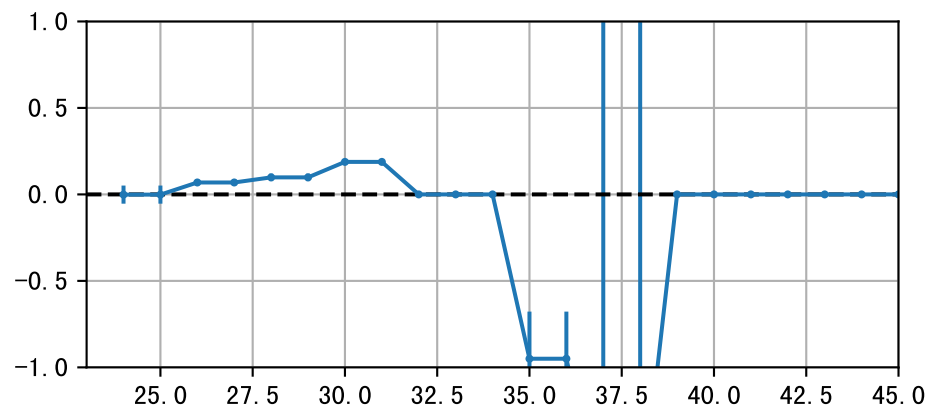
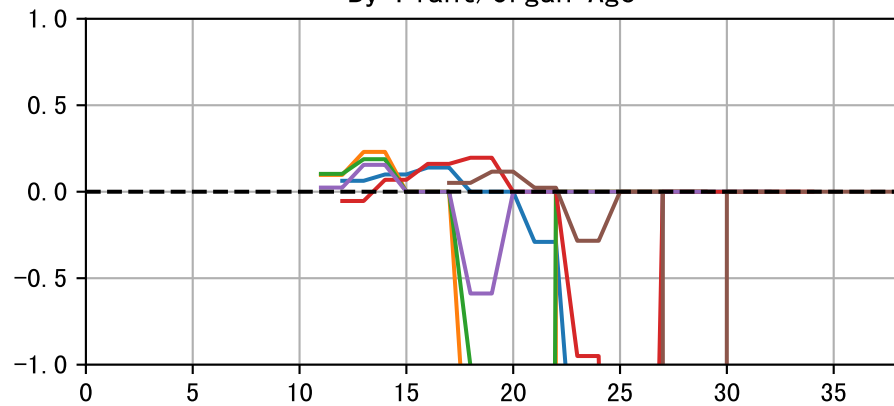


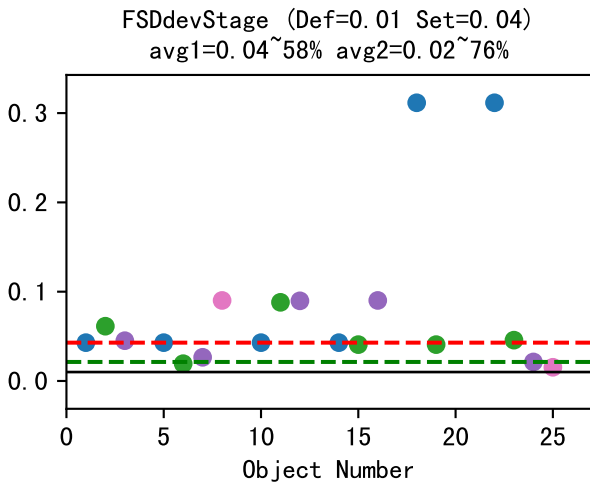
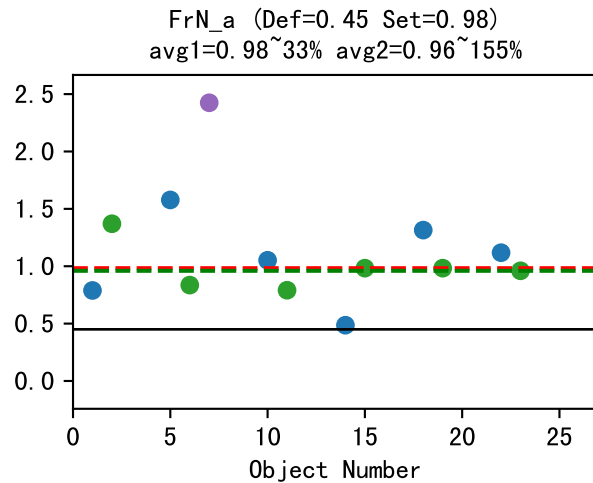
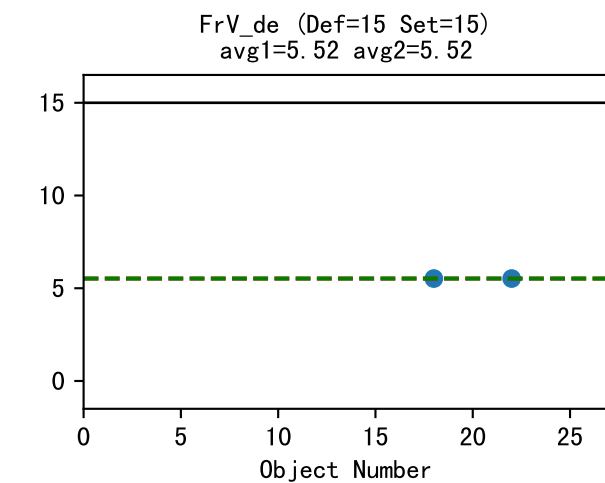
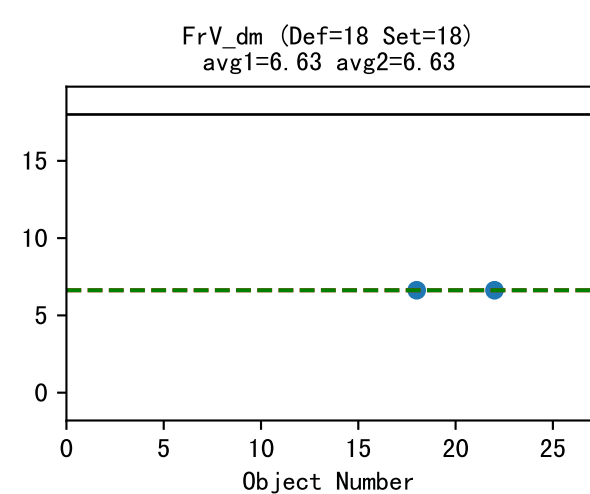
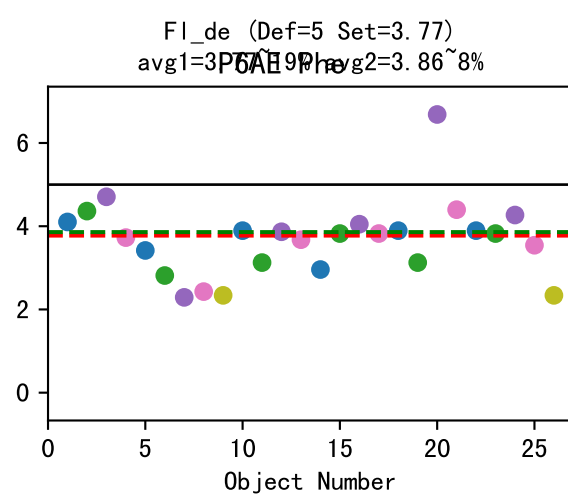
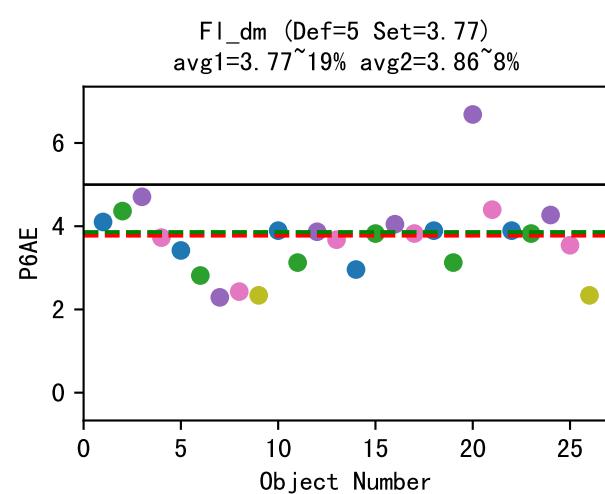


By Start Date

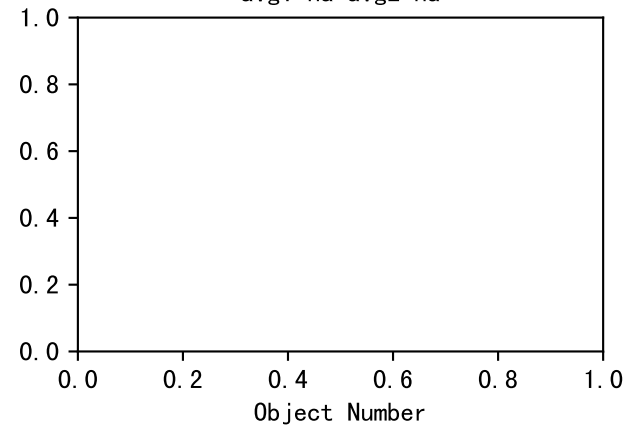


By Plant/Organ Age

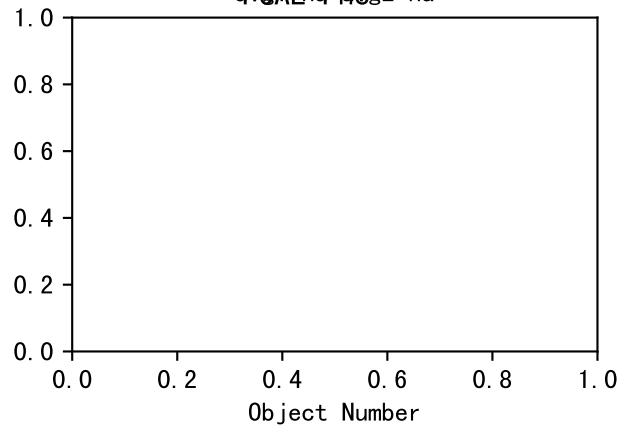




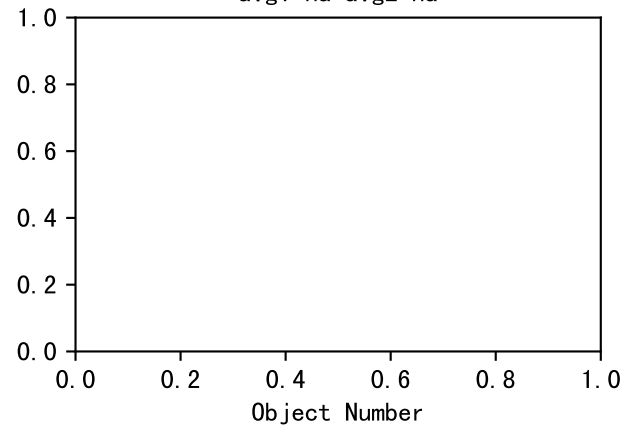
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



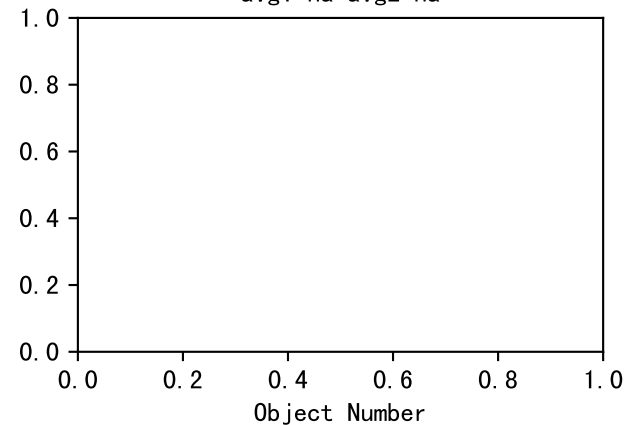
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



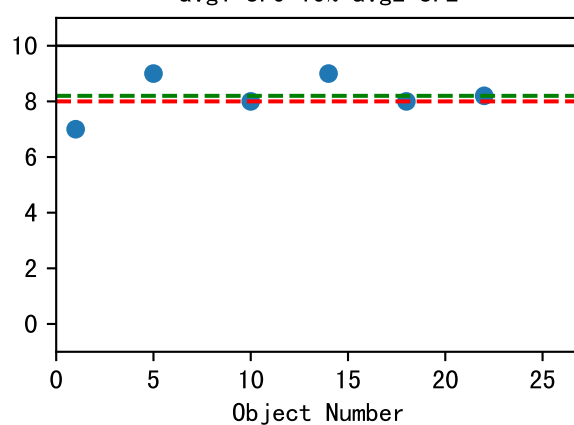
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

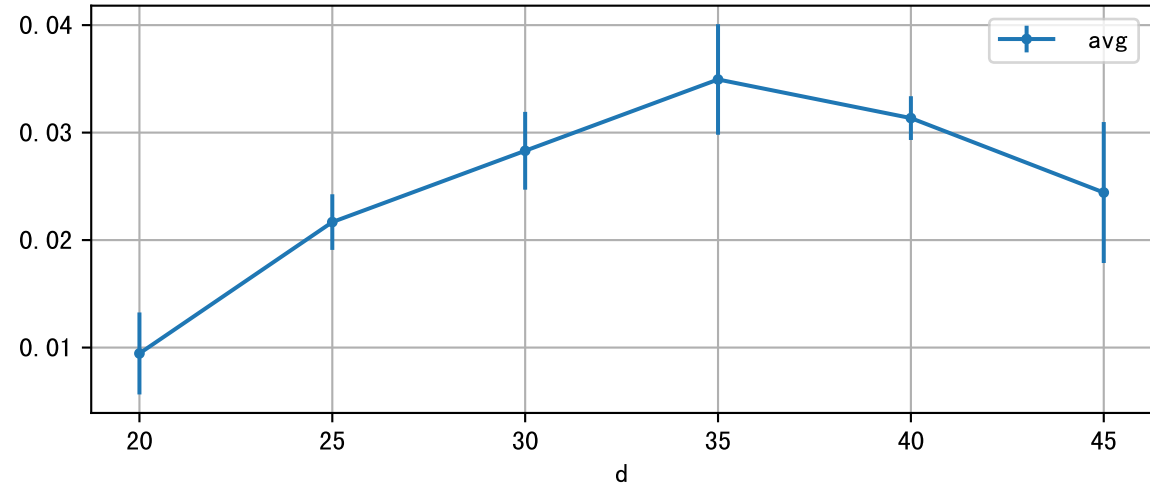


NNgen (Def=10 Set=8)
avg1=8.0~10% avg2=8.2

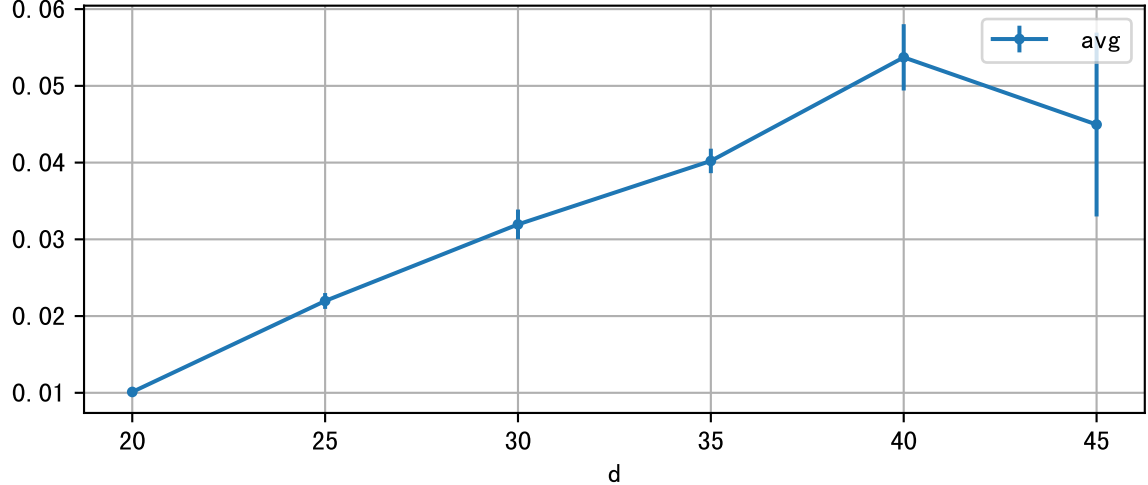


LfA: avg vs. d at each age group

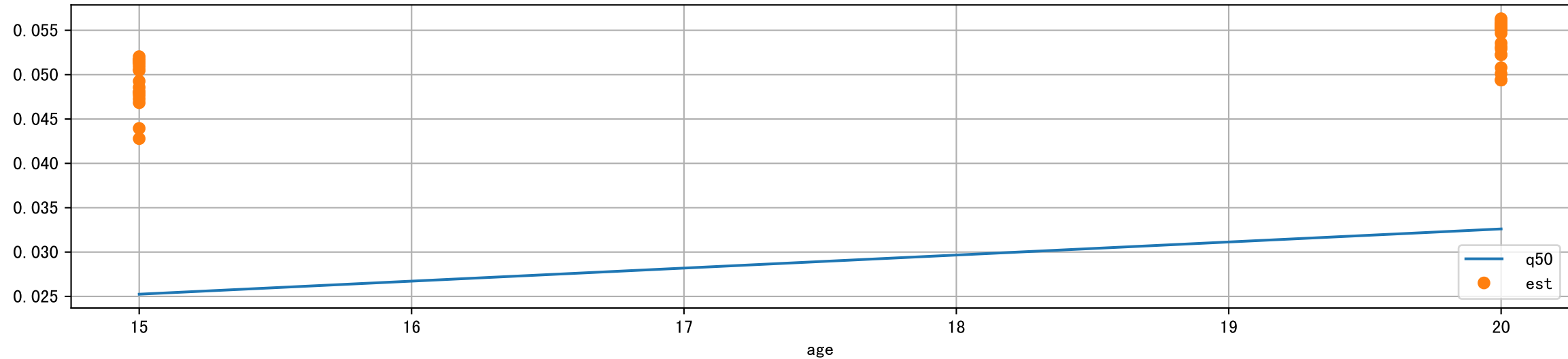
age=15



age=20



LfA: model est vs obs0v@Q50

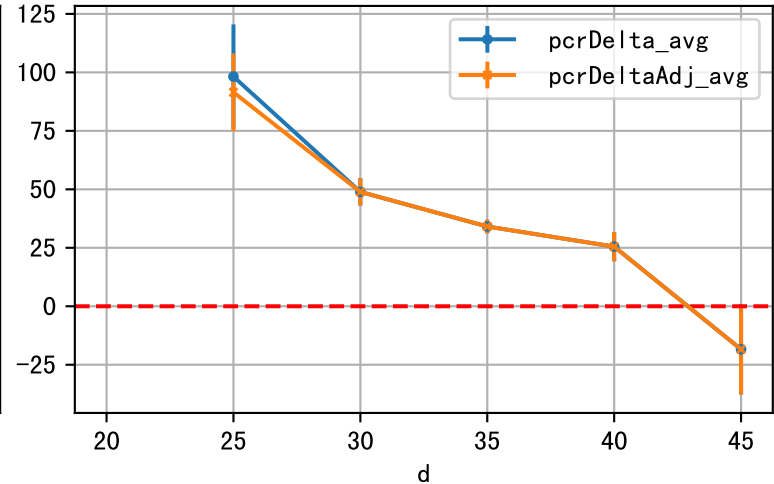
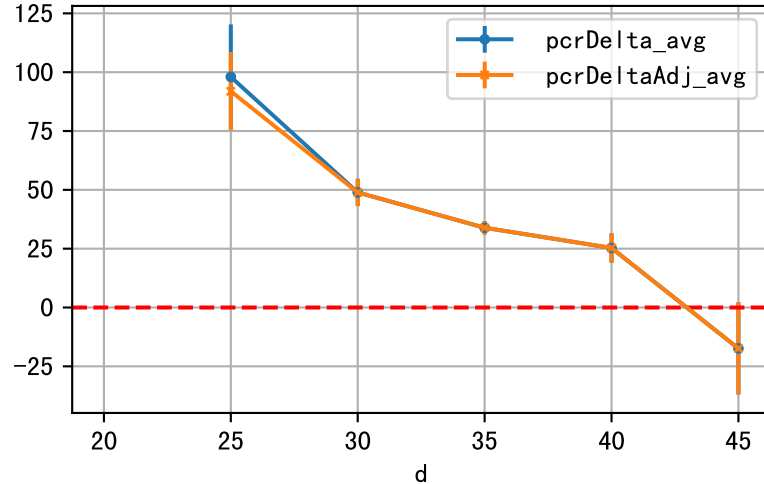
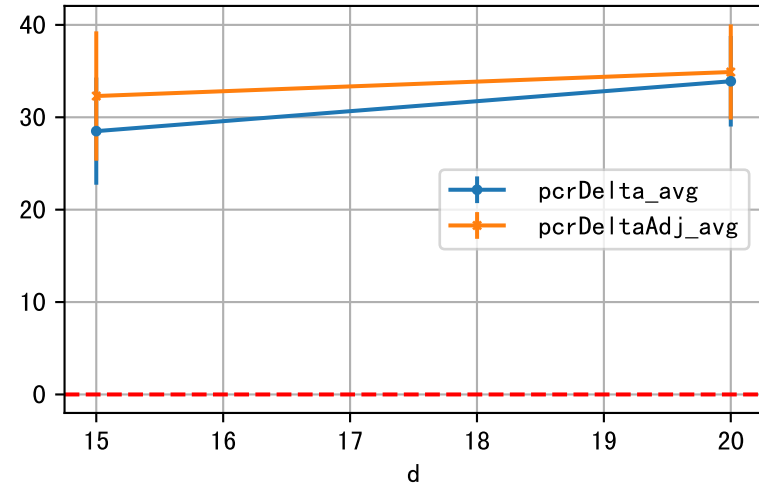


P6AE LfA: D_5d_LfA

DeltaTypeAbbr=GrpByAge

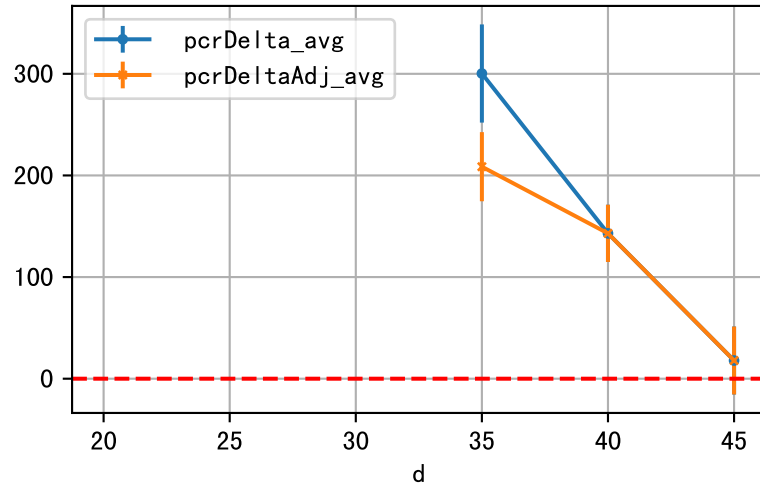
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

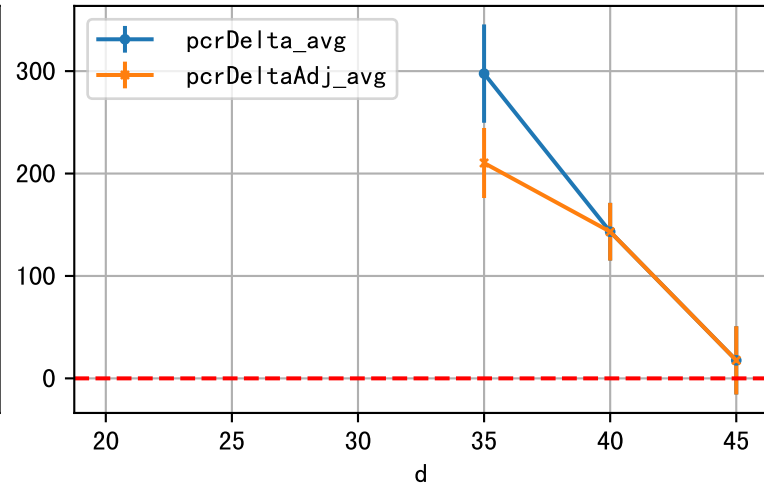


P6AE LfA: D_15d_LfA

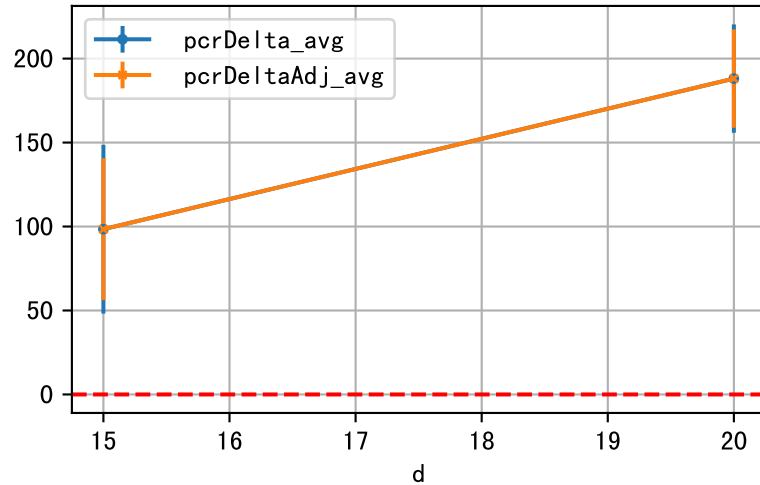
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

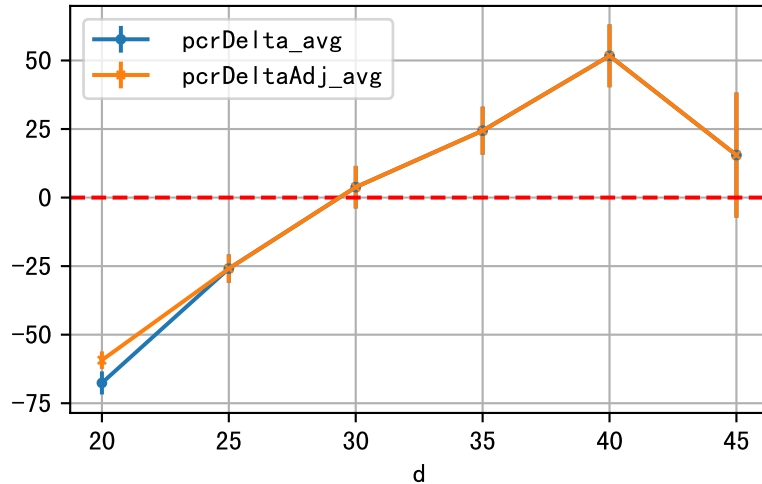


DeltaTypeAbbr=GrpByAge

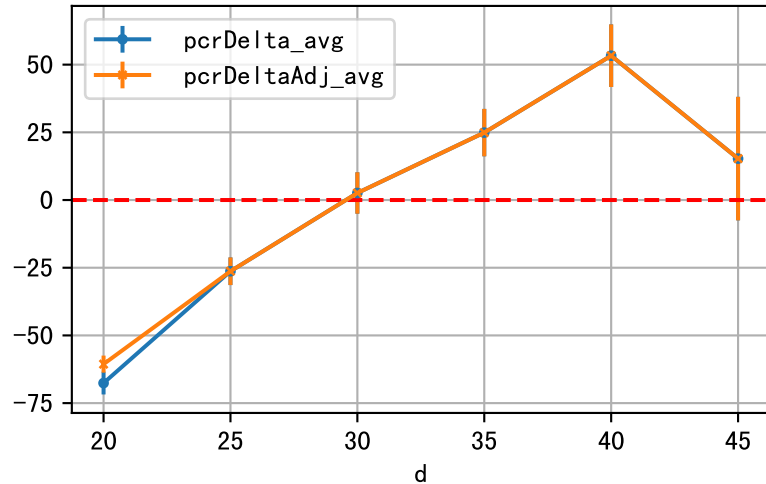


P6AE LfA: D_Q50_LfA

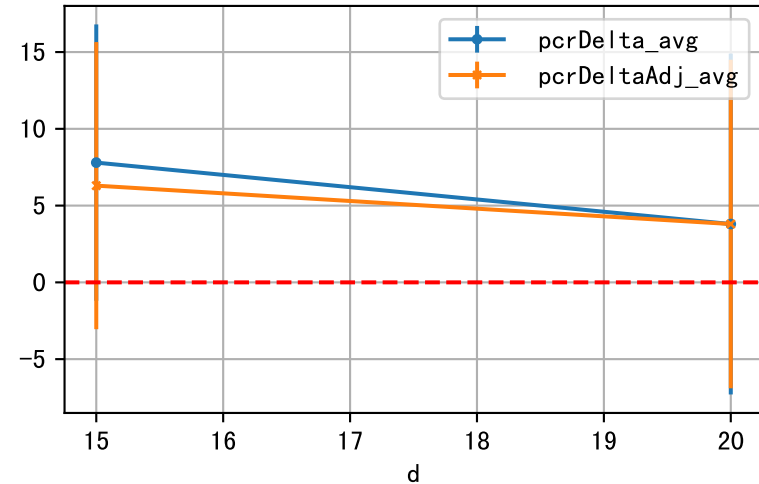
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

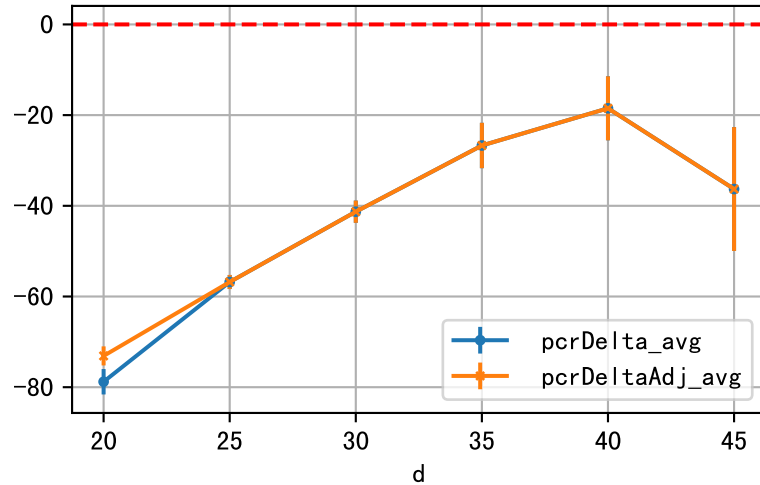


DeltaTypeAbbr=GrpByAge

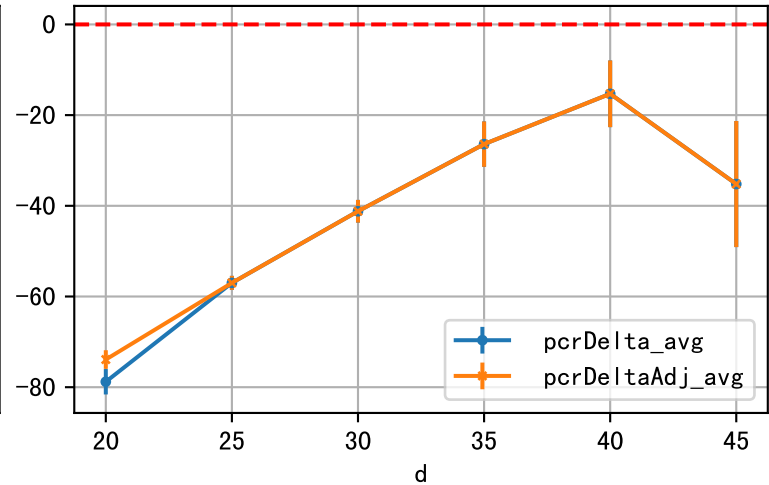


P6AE LfA: D_Est_LfA

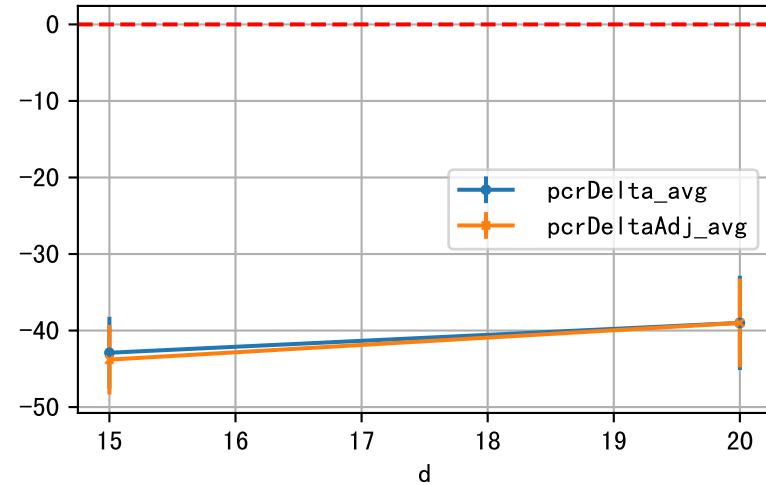
DeltaTypeAbbr=GrpByDay



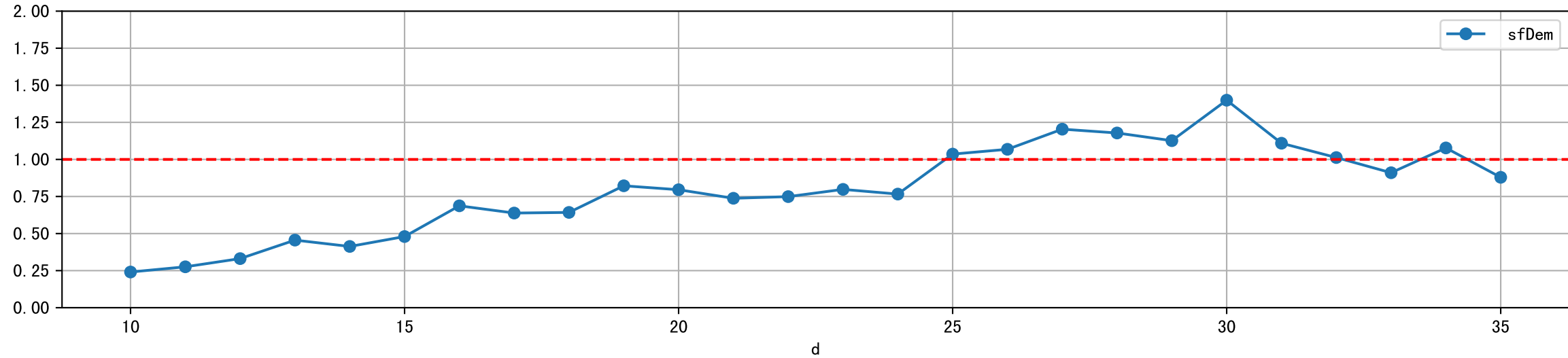
DeltaTypeAbbr=Wei AvgByD

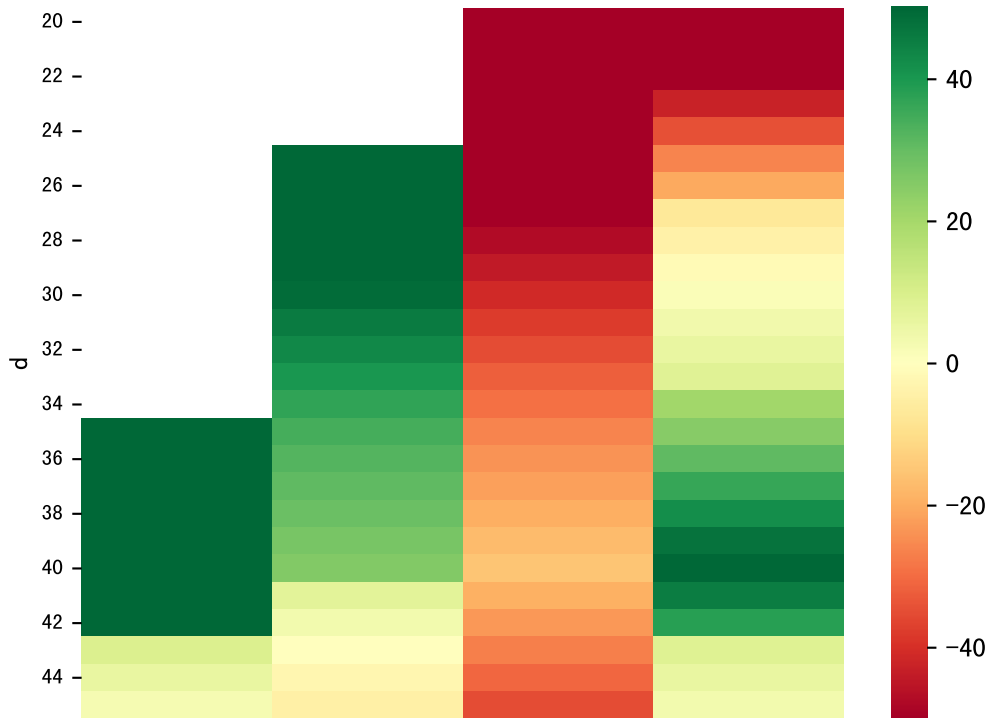


DeltaTypeAbbr=GrpByAge



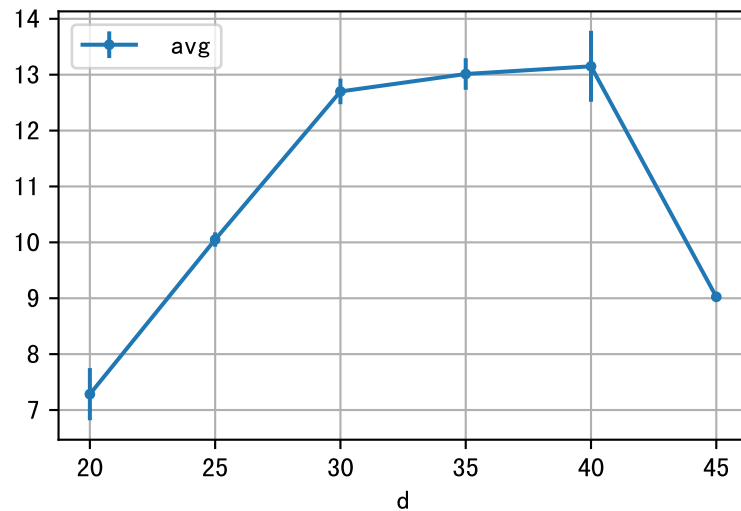
LfA: sfDem



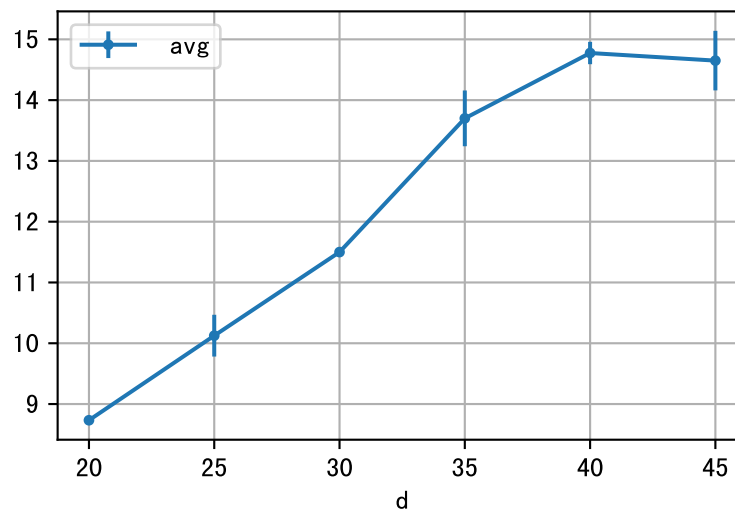


NdD: avg vs. d at each age group

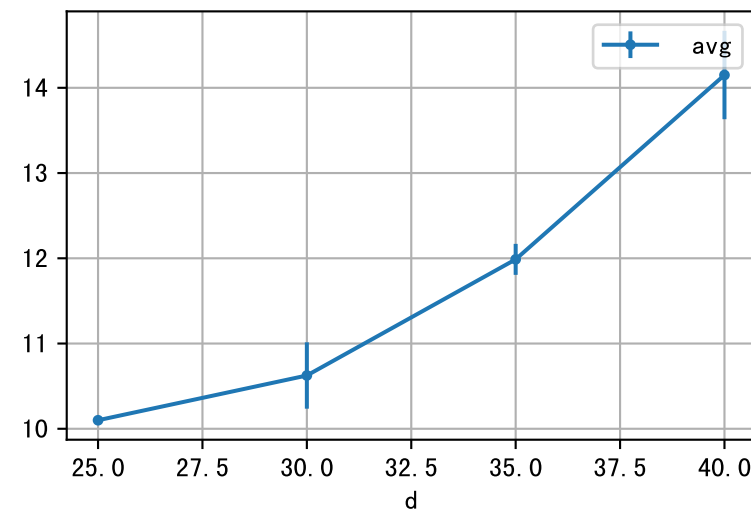
age=15



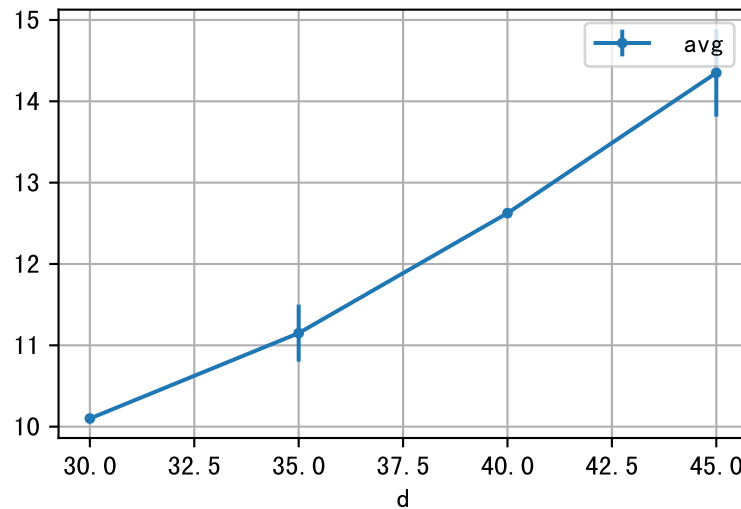
age=20



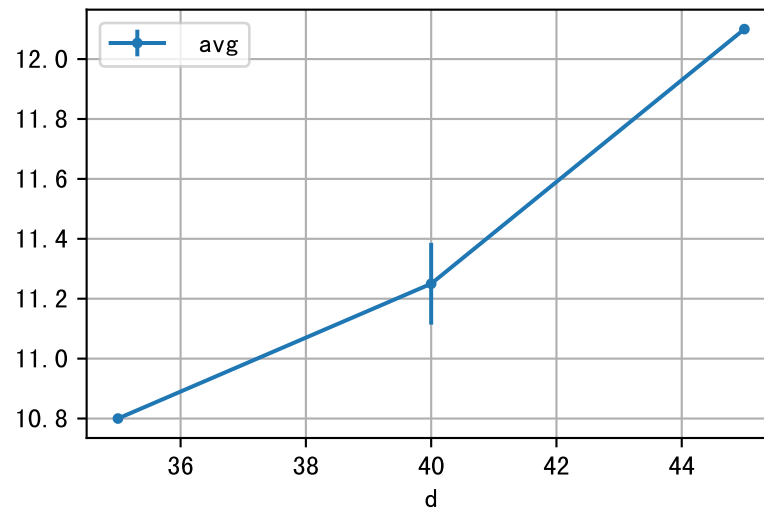
age=25



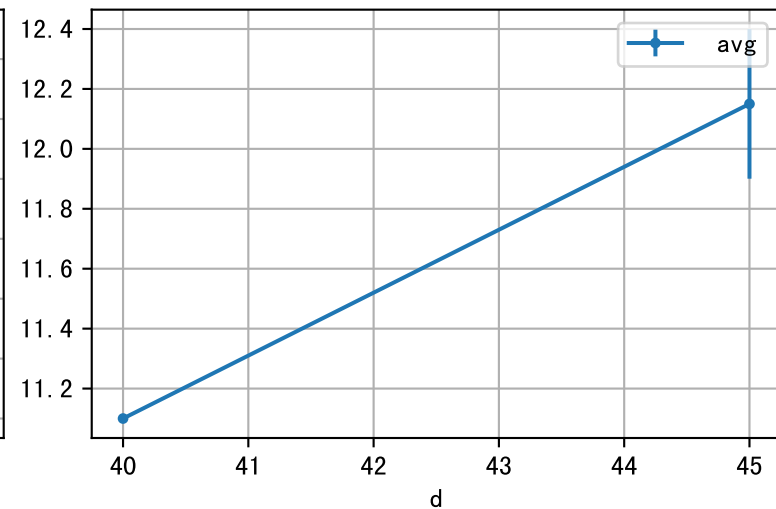
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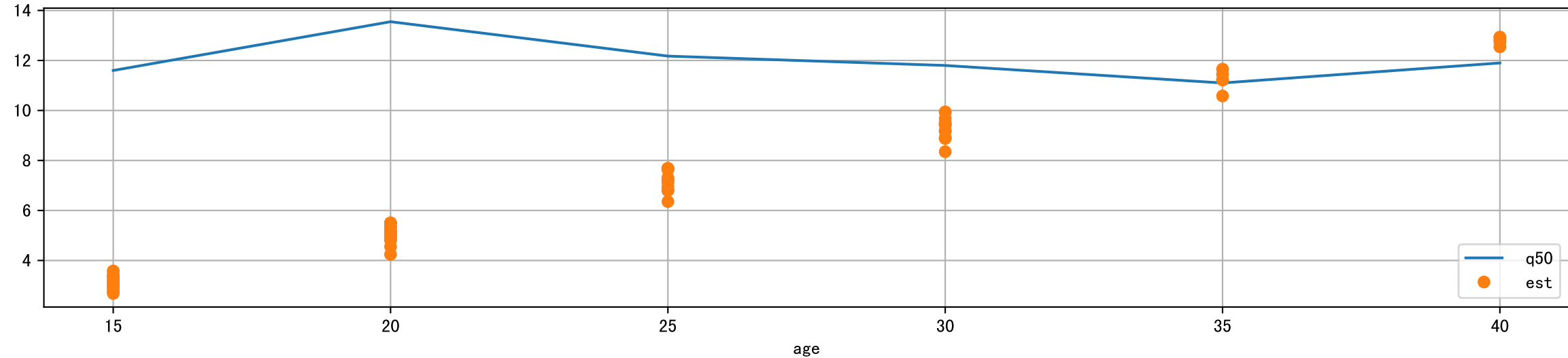
age=35



age=40

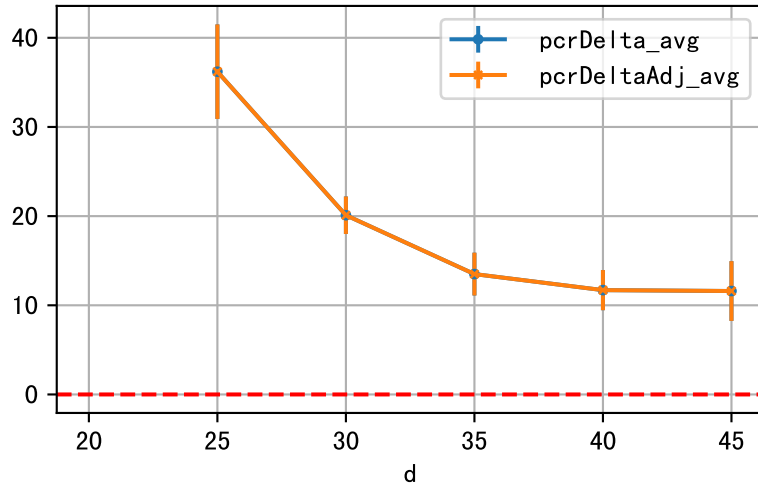


NdD: model est vs obs0v@Q50

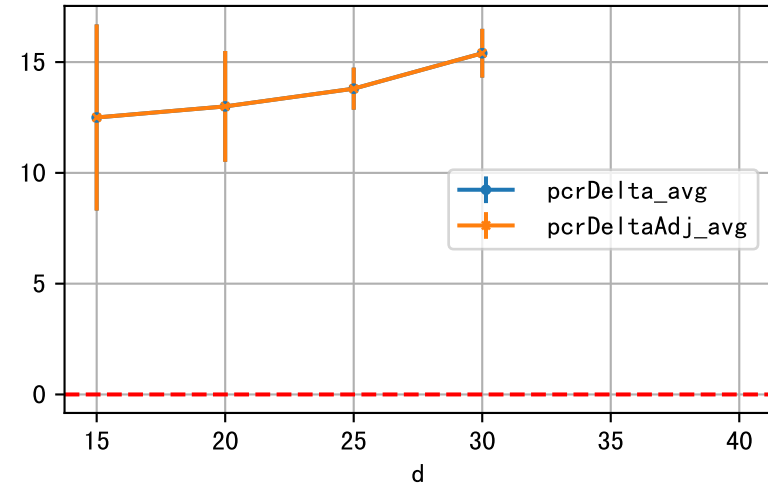


P6AE NdD: D_5d_NdD

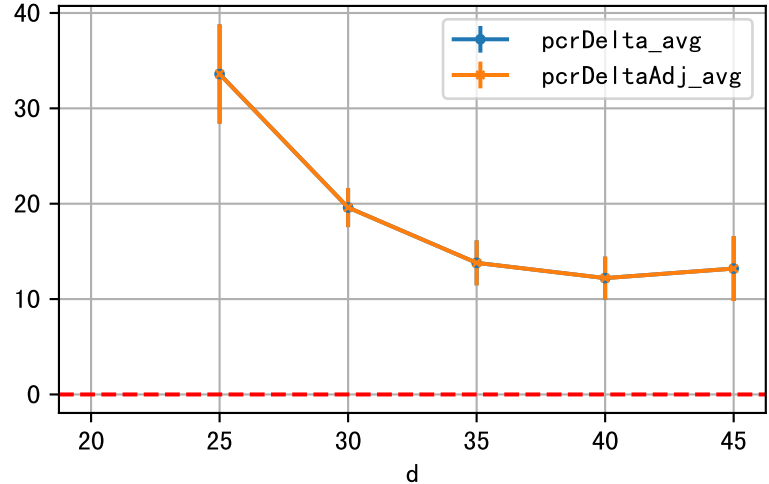
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

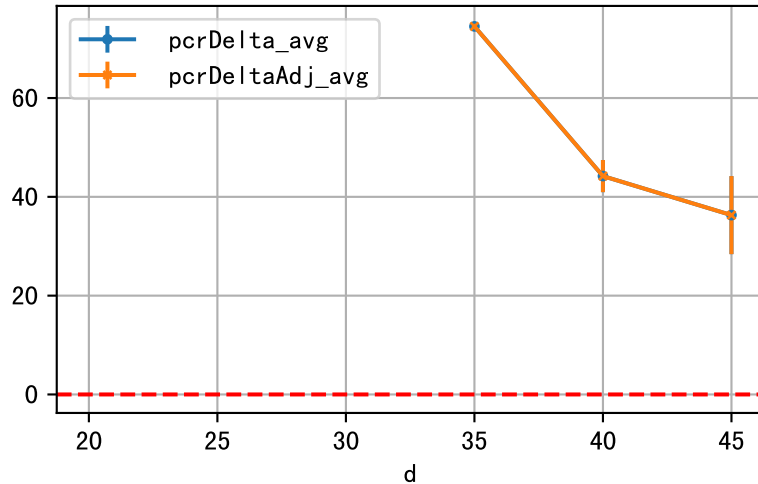


DeltaTypeAbbr=WeiAvgByD

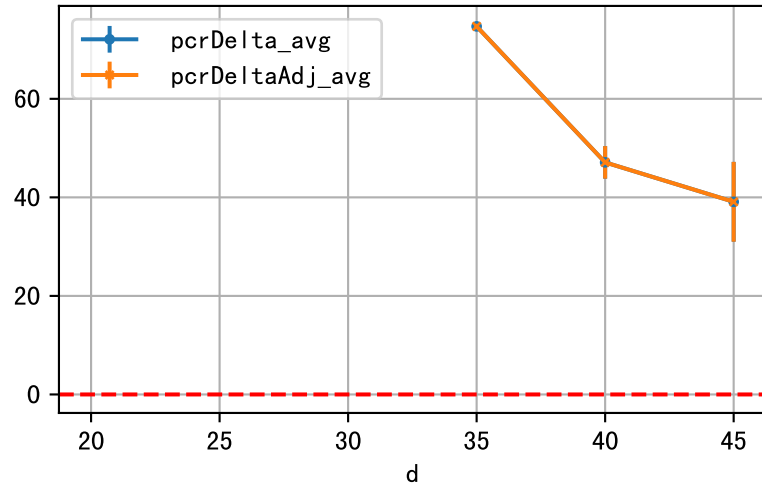


P6AE NdD: D_15d_NdD

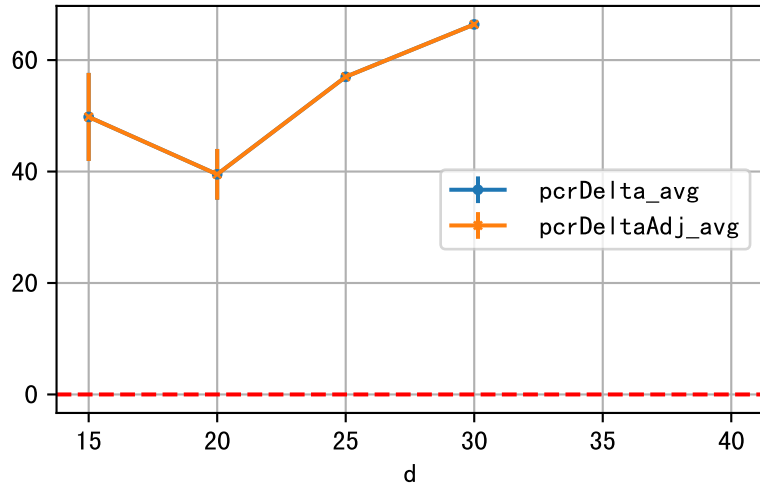
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

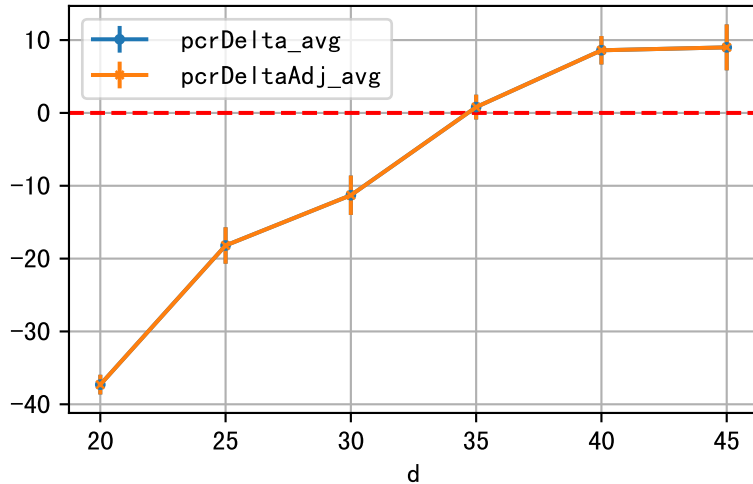


DeltaTypeAbbr=GrpByAge

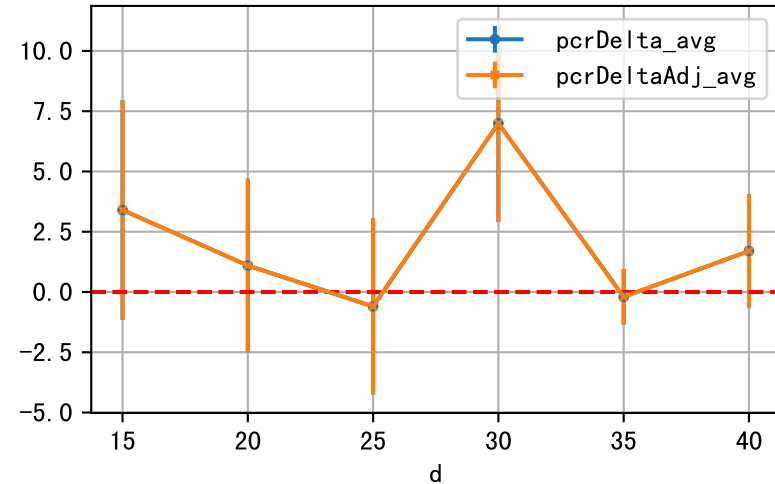


P6AE NdD: D_Q50_NdD

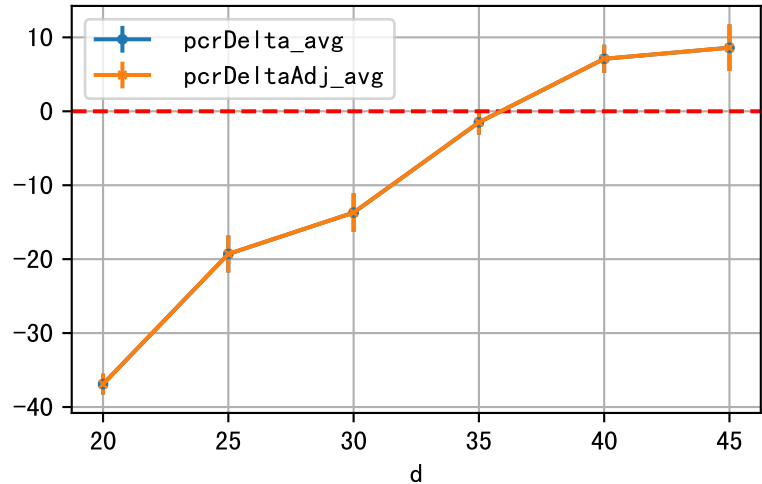
DeltaTypeAbbr=GrpByDay



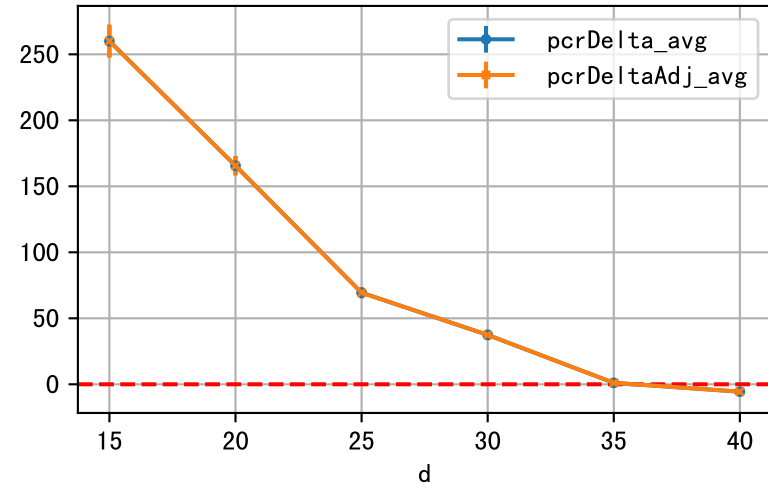
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=WeiAvgByD

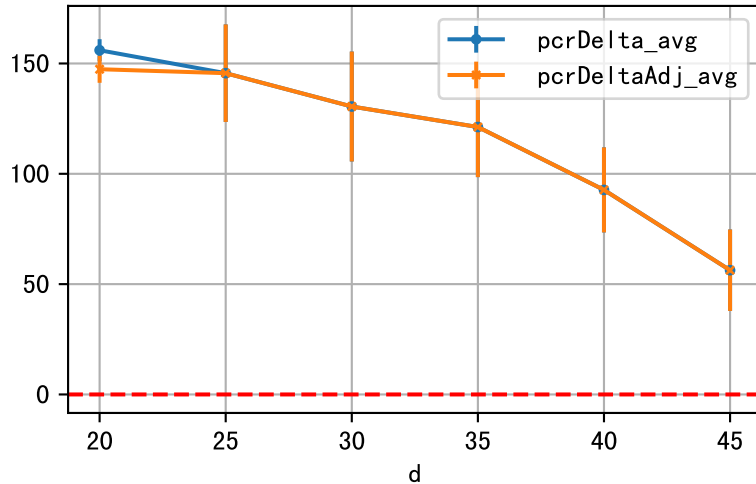


DeltaTypeAbbr=GrpByAge

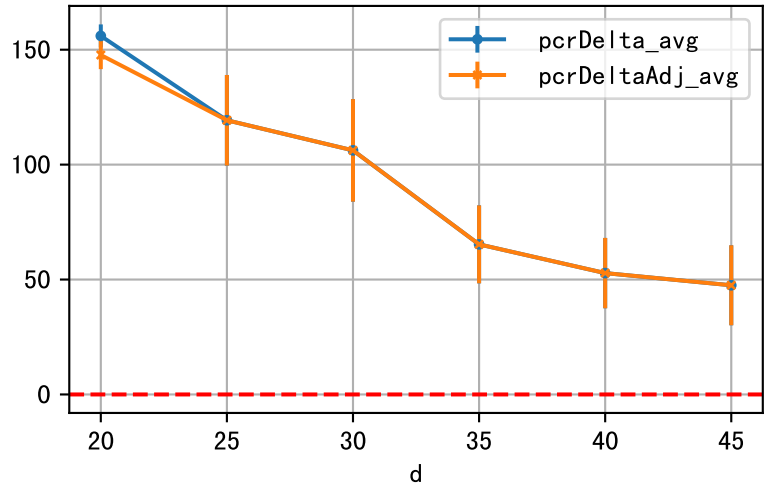


P6AE NdD: D_Est_NdD

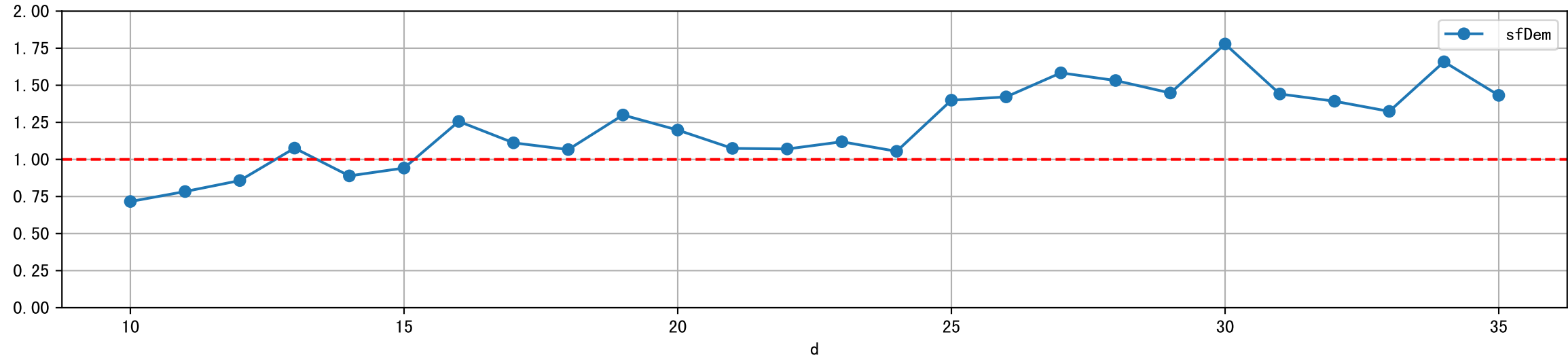
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

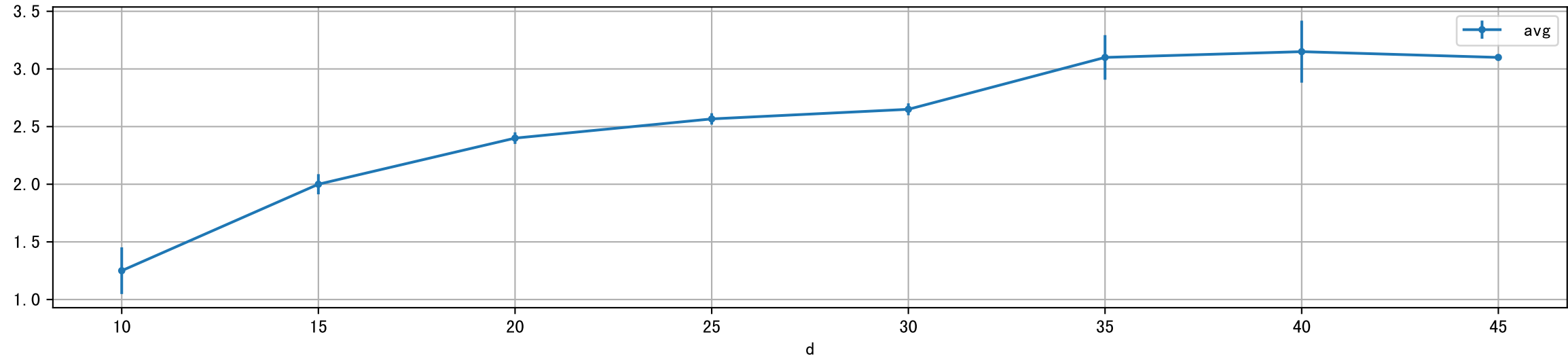


NdD: sfDem

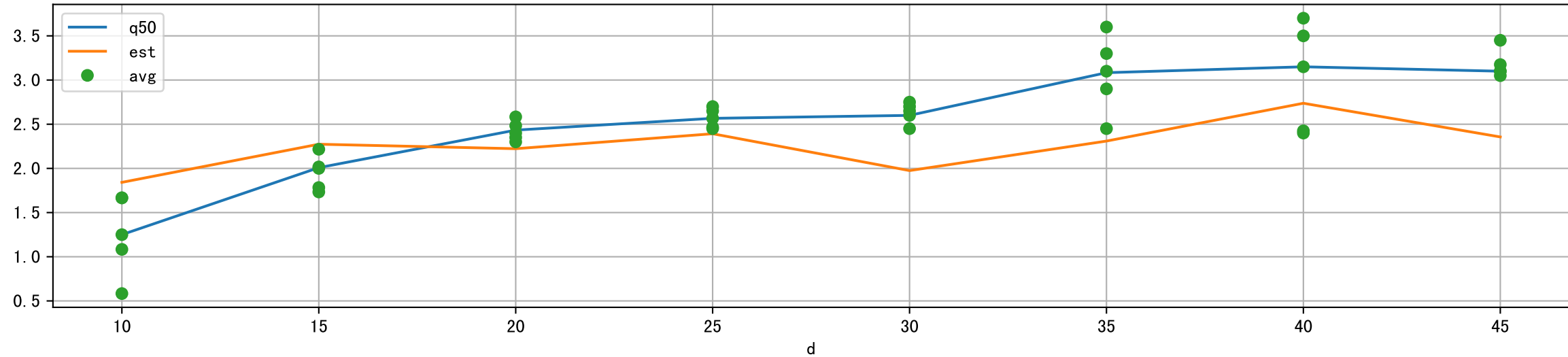




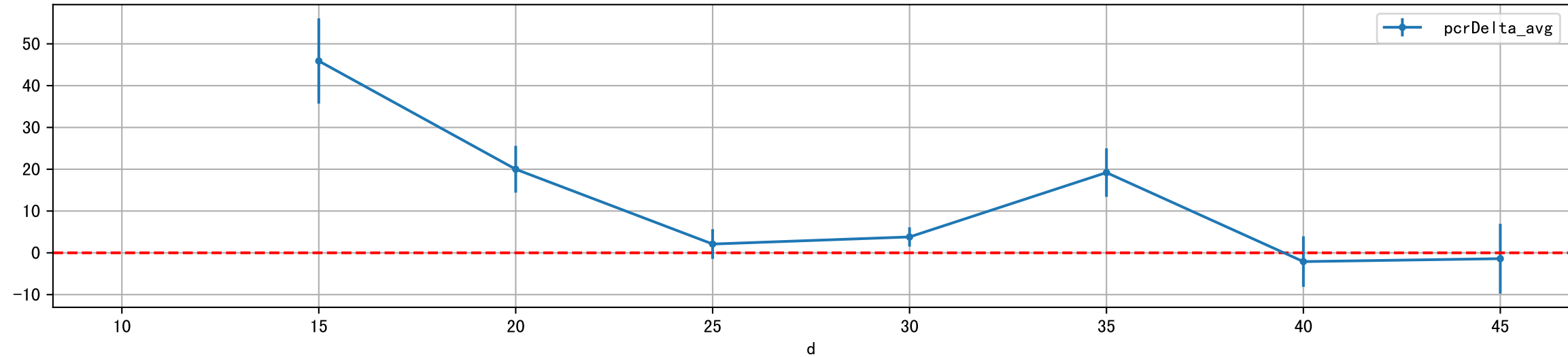
dStH: avg vs. d



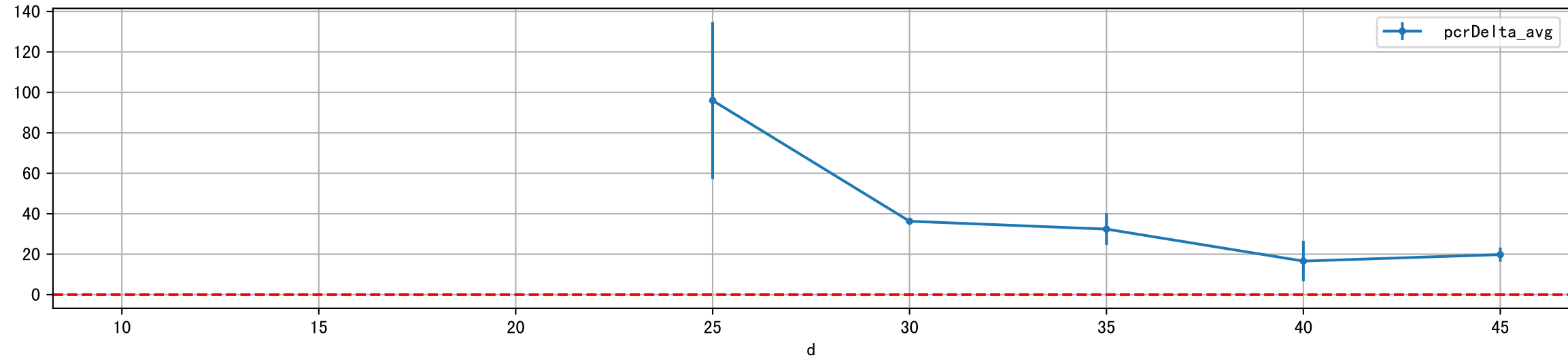
dStH: obsAvg vs obs0v@Q50



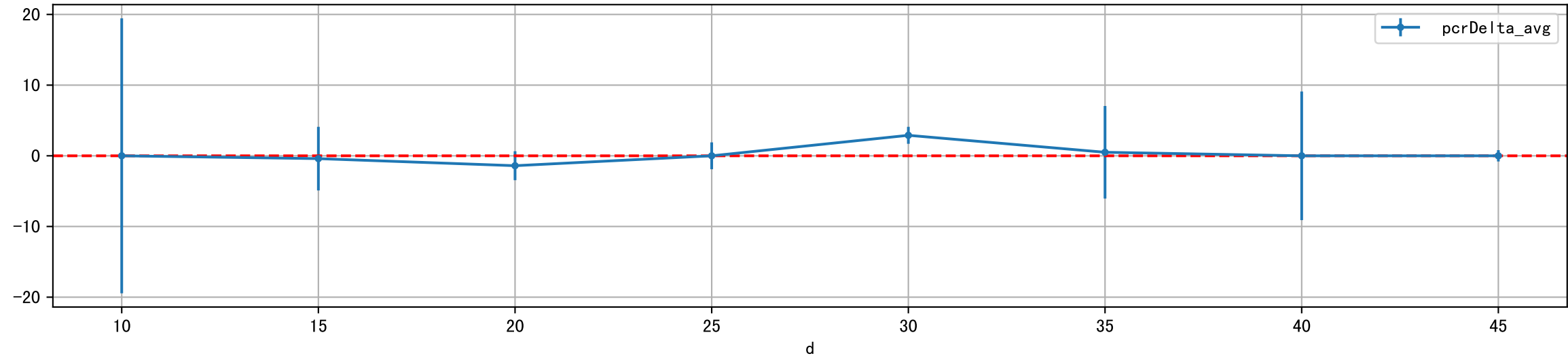
dStH: D_5d_StH



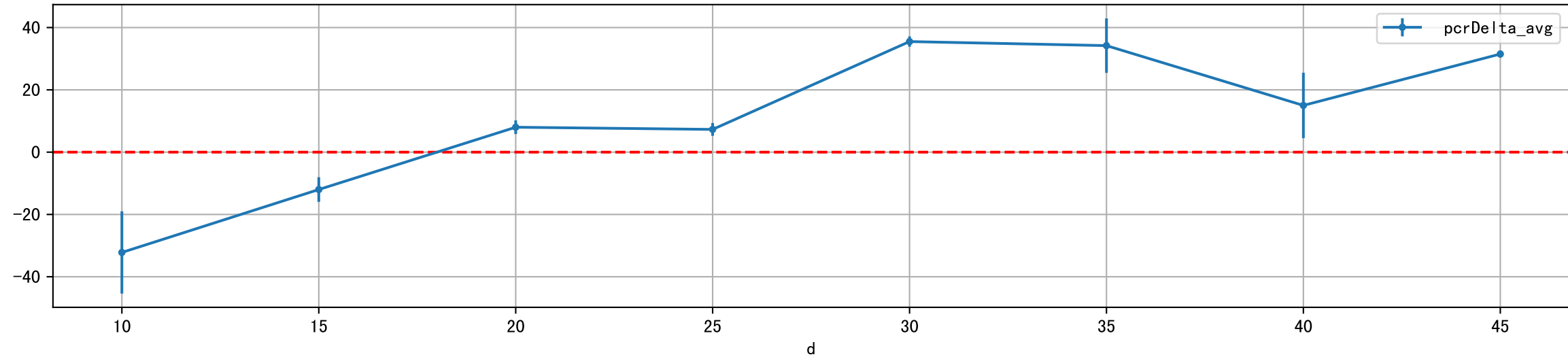
dStH: D_15d_StH



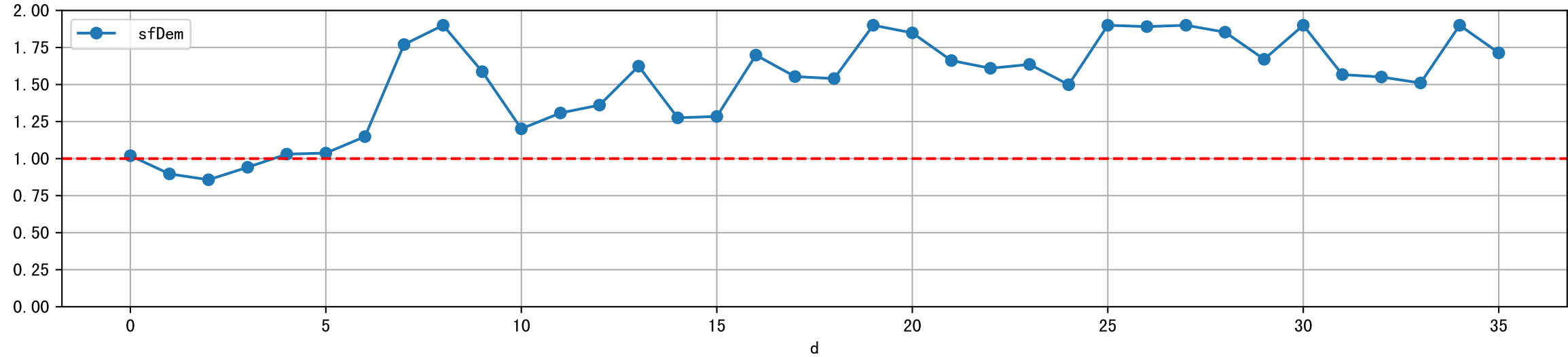
dStH: D_Q50_StH



dStH: D_Est_StH



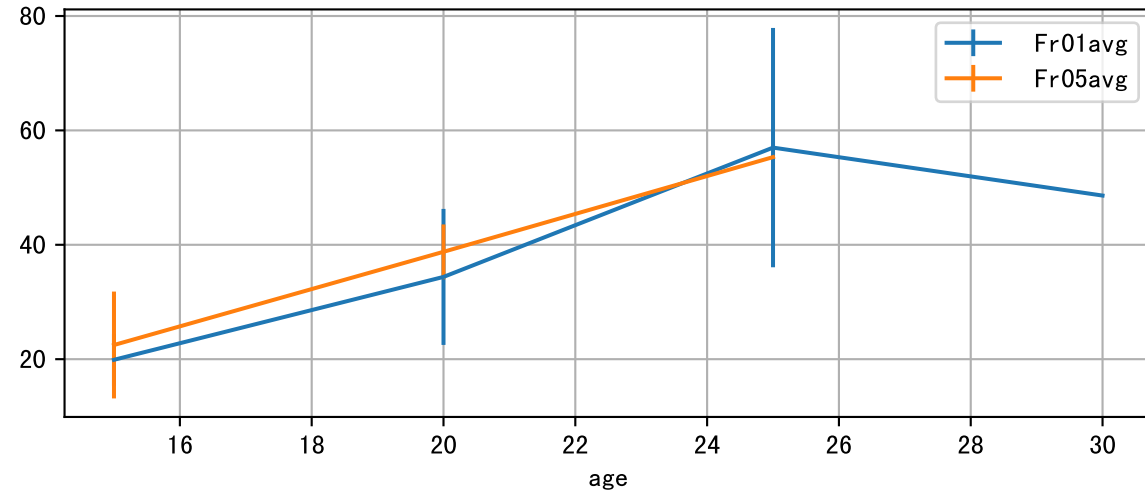
dStH: sfDem



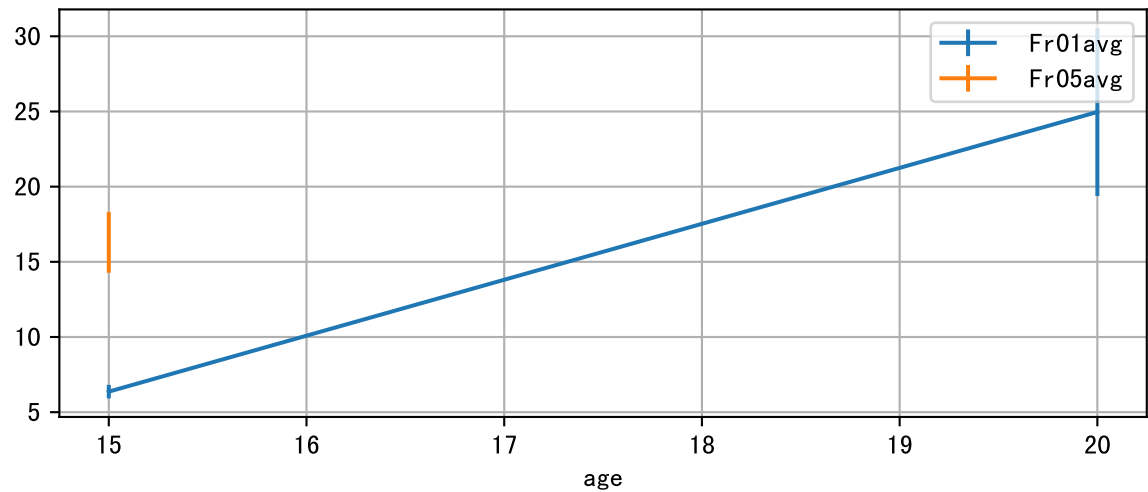


FrV: Fr01 vs Fr05 at each truss

organID=T01

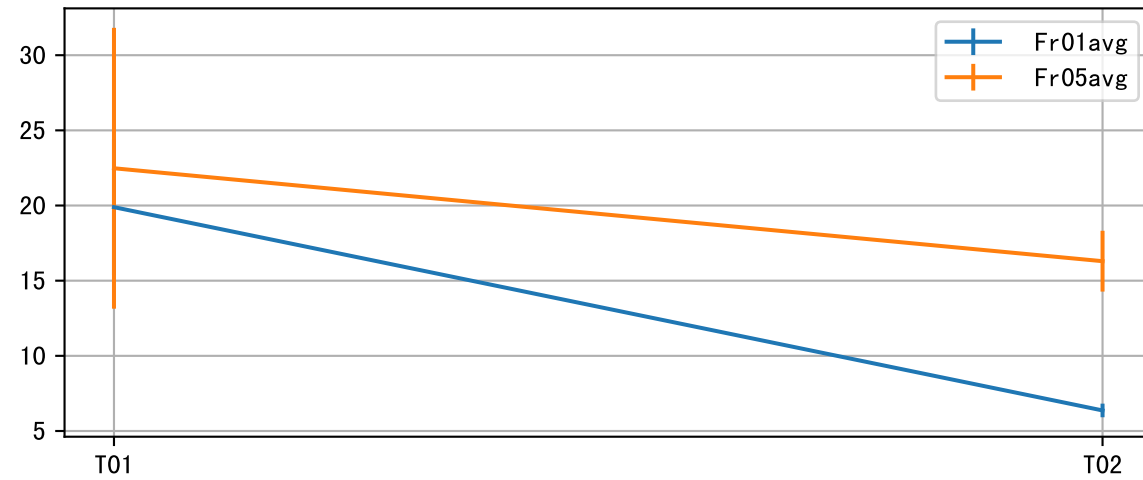


organID=T02

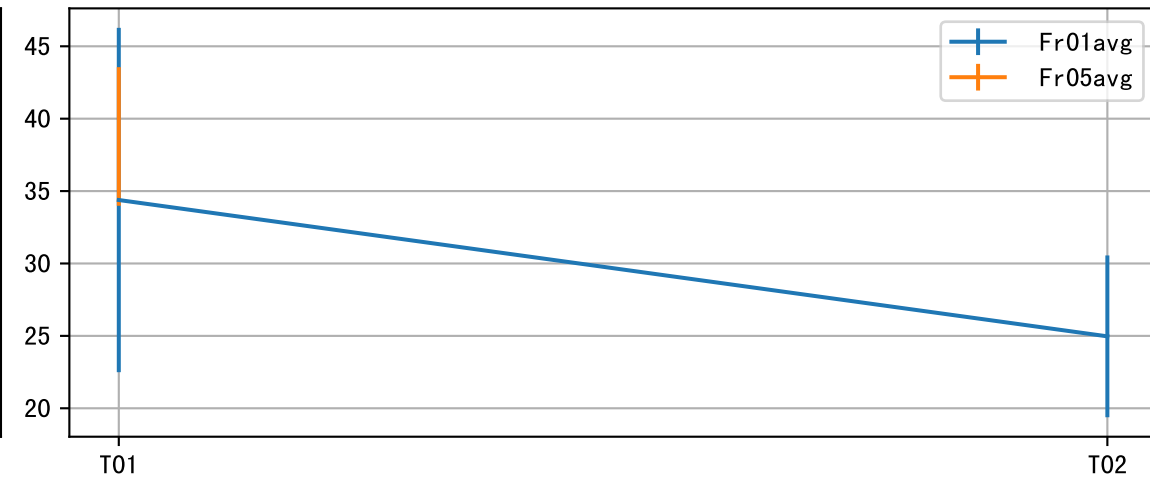


FrV trend at each age

age=15

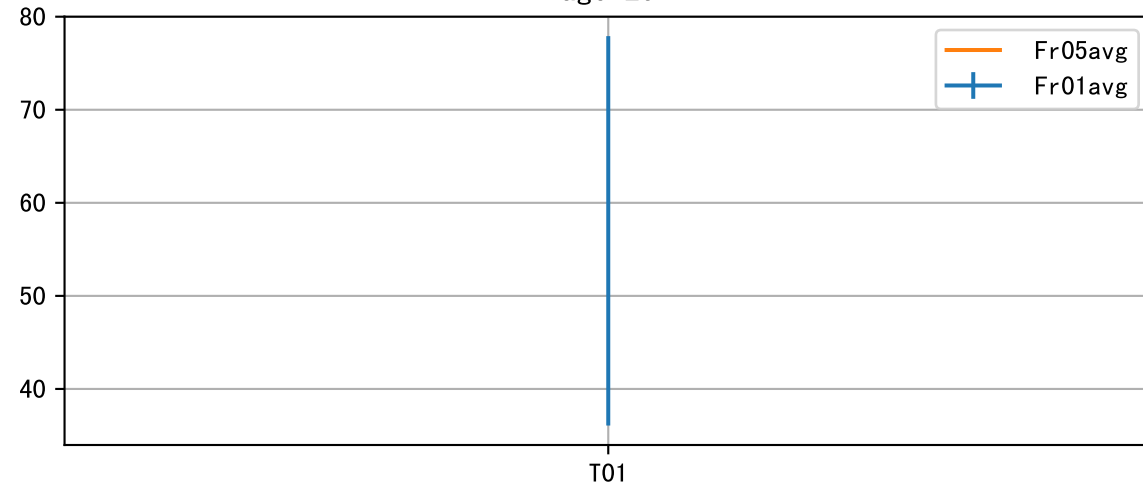


age=20



organID

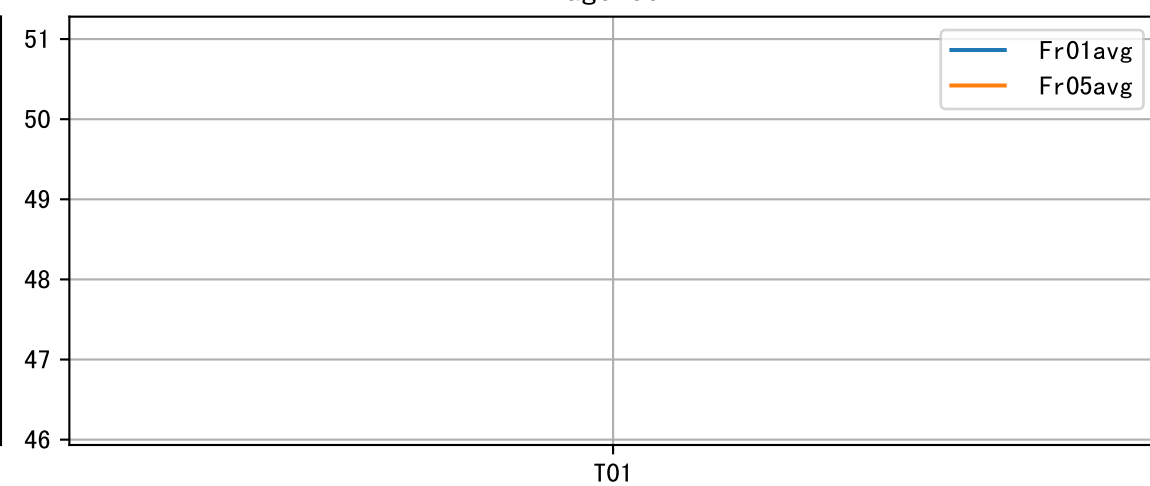
age=25



organID

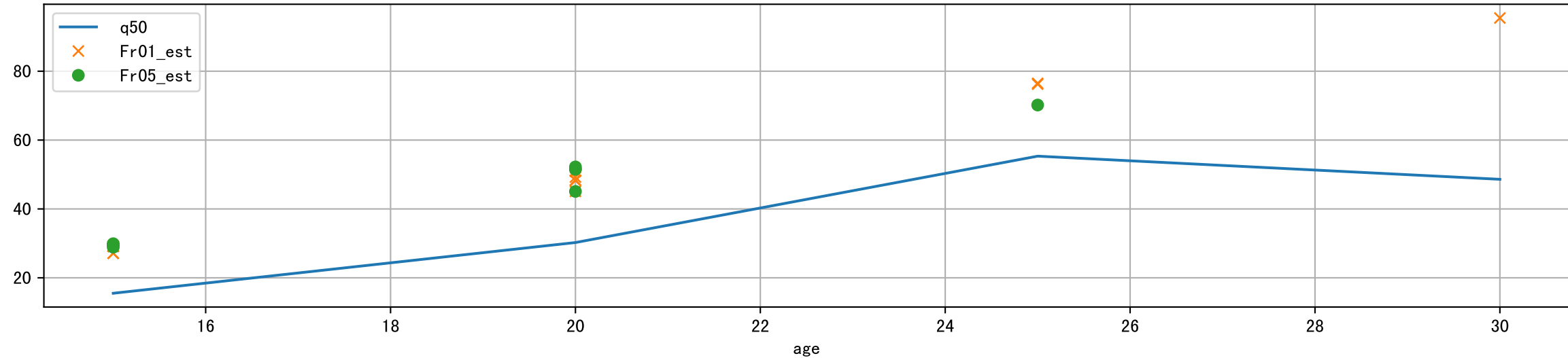
organID

age=30

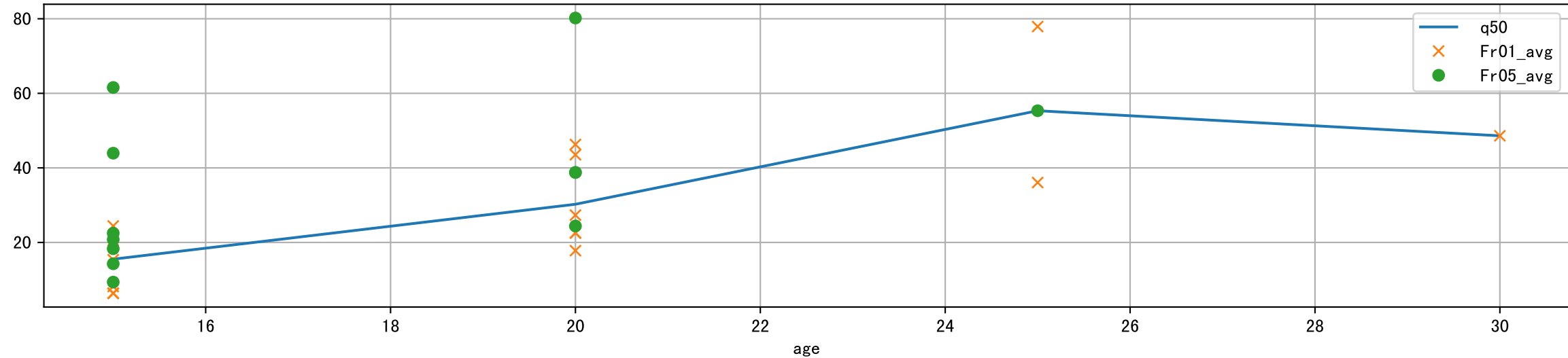


organID

FrV: model Est vs obsFrV at Q90

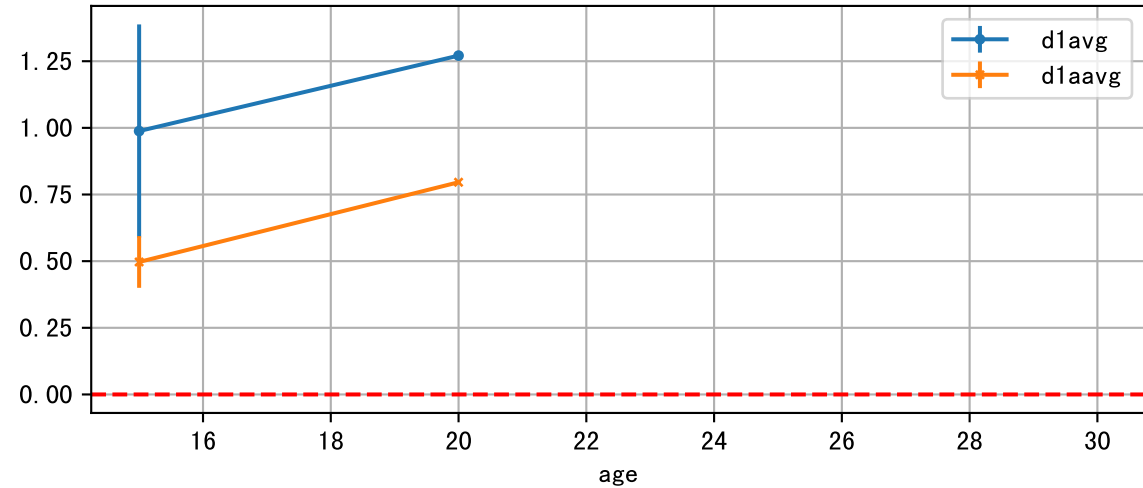


FrV: obsFrV vs obsFrV@Q90

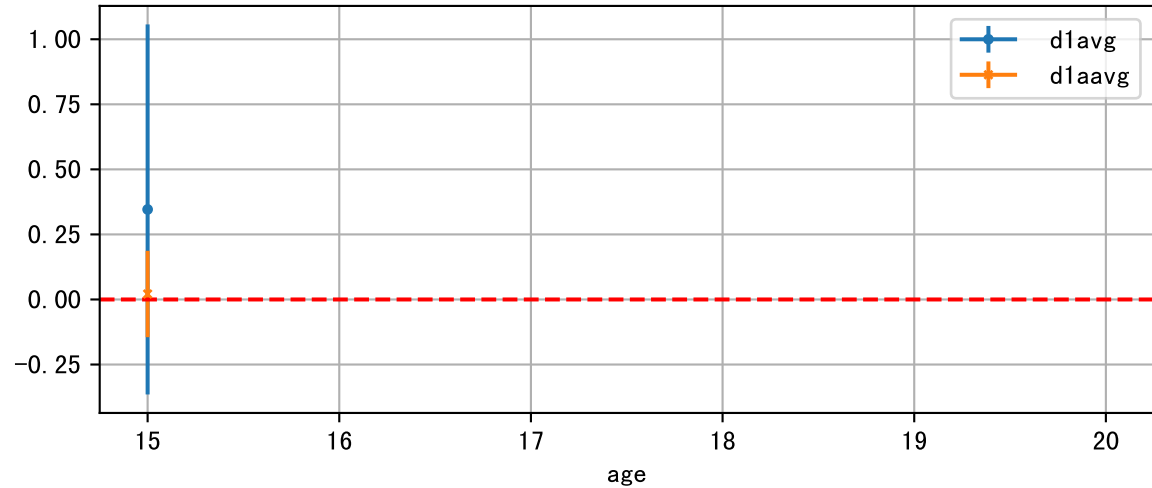


FrV: D_Fr1_FrV

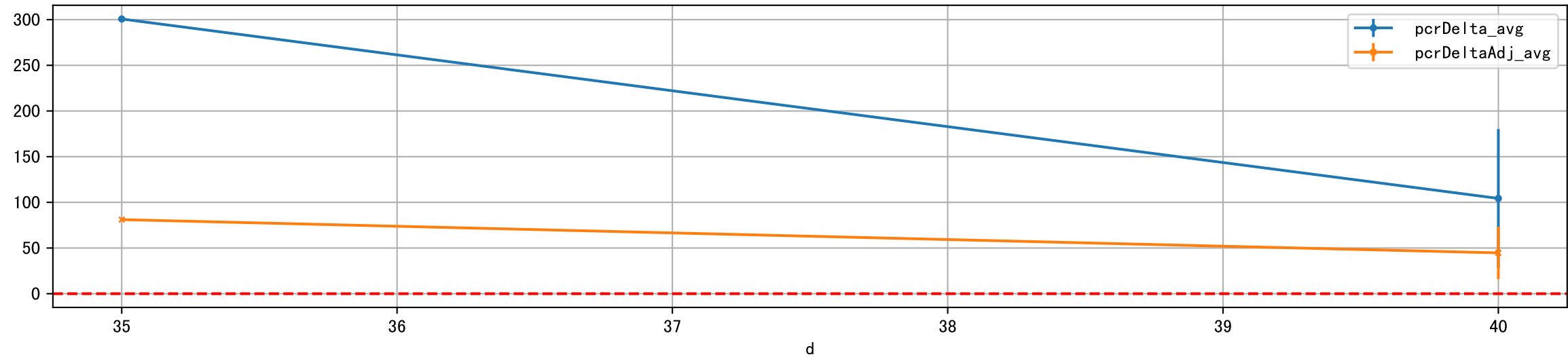
organID=1



organID=2

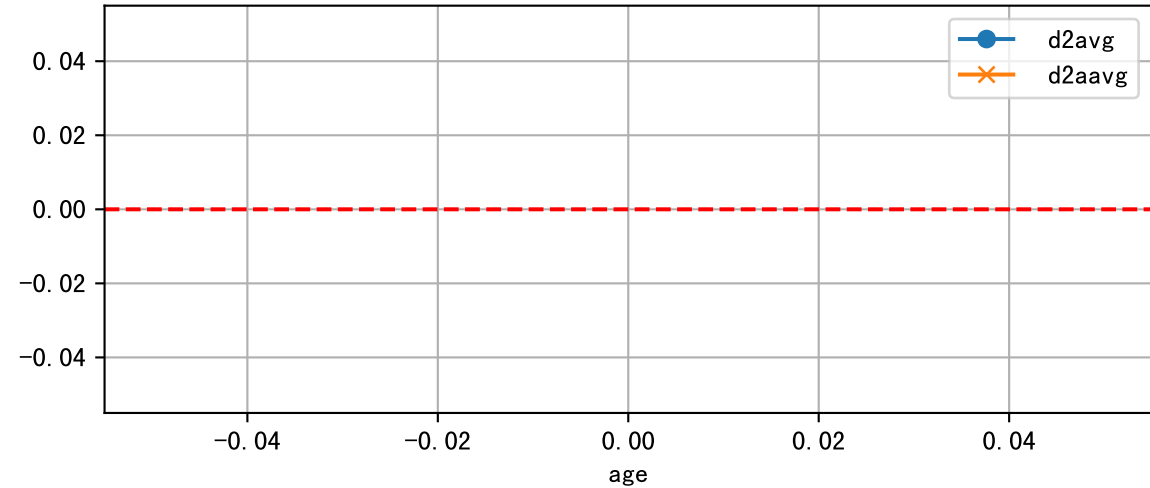


P6AE FrV: D_Fr1_FrV

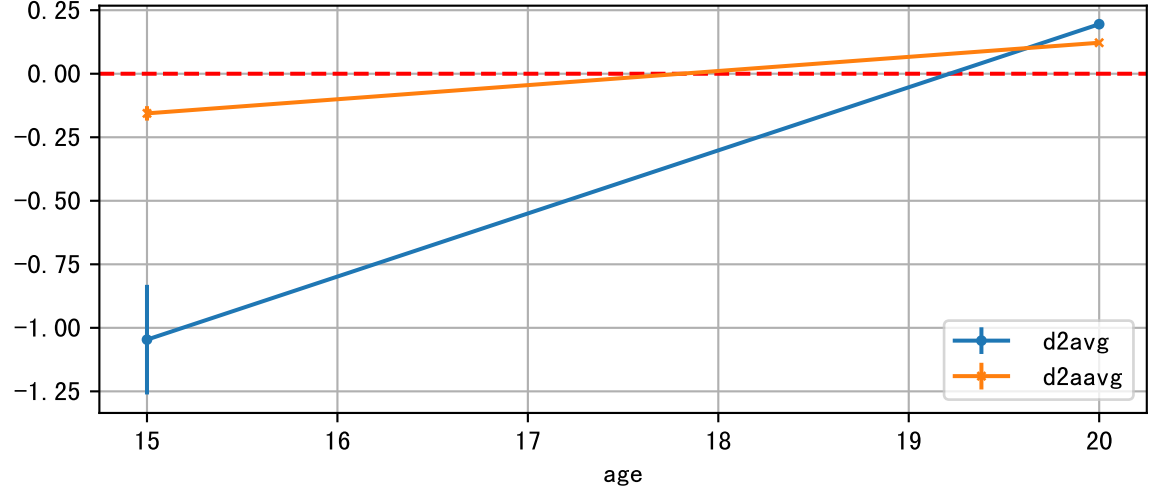


FrV: D_Ts_FrV

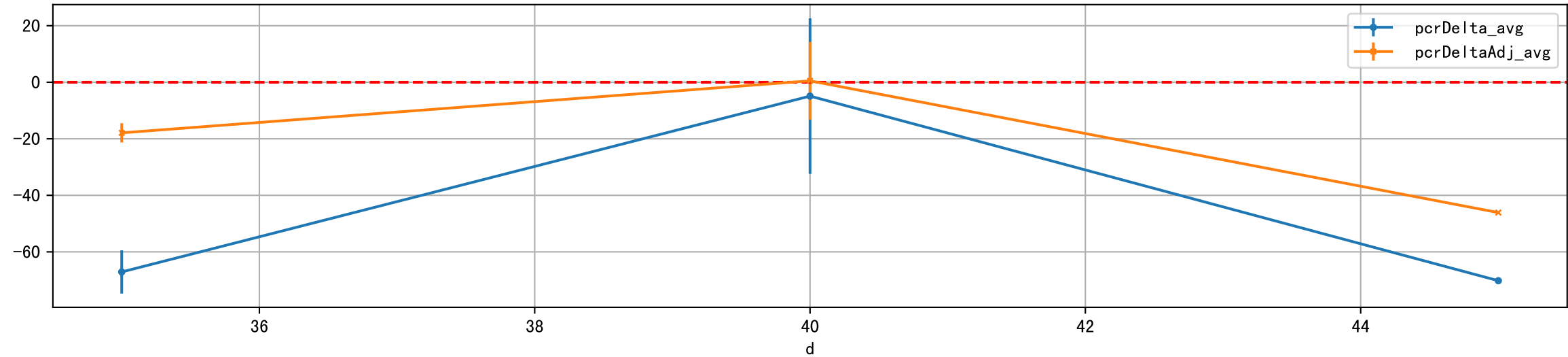
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organID=2

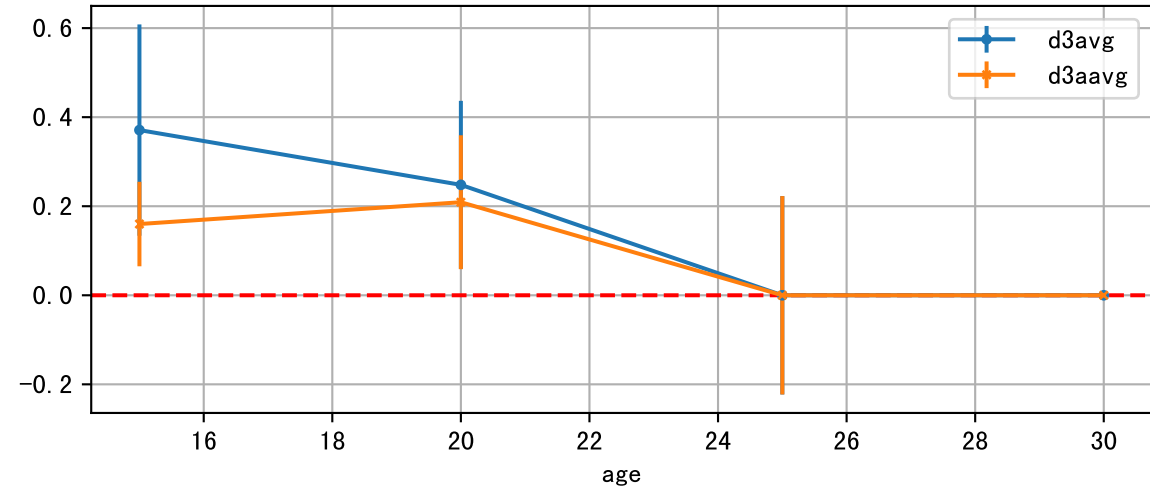


P6AE FrV: D_Ts_FrV

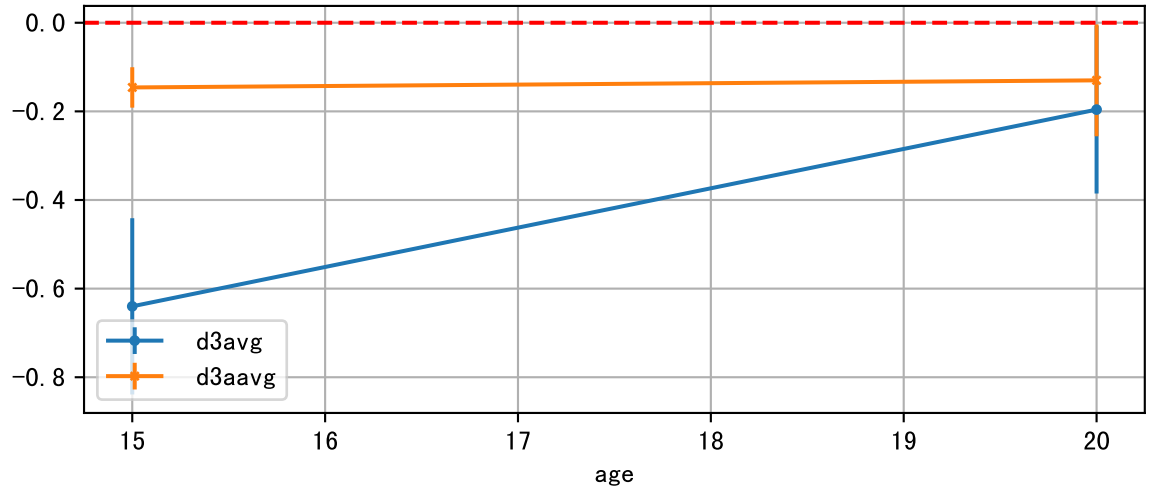


FrV: D_Q50_FrV

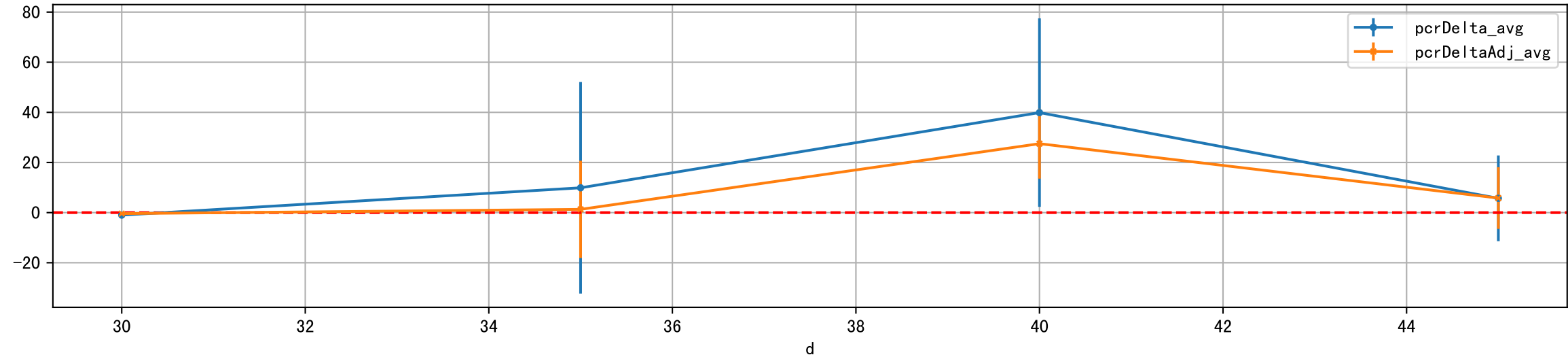
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organID=2

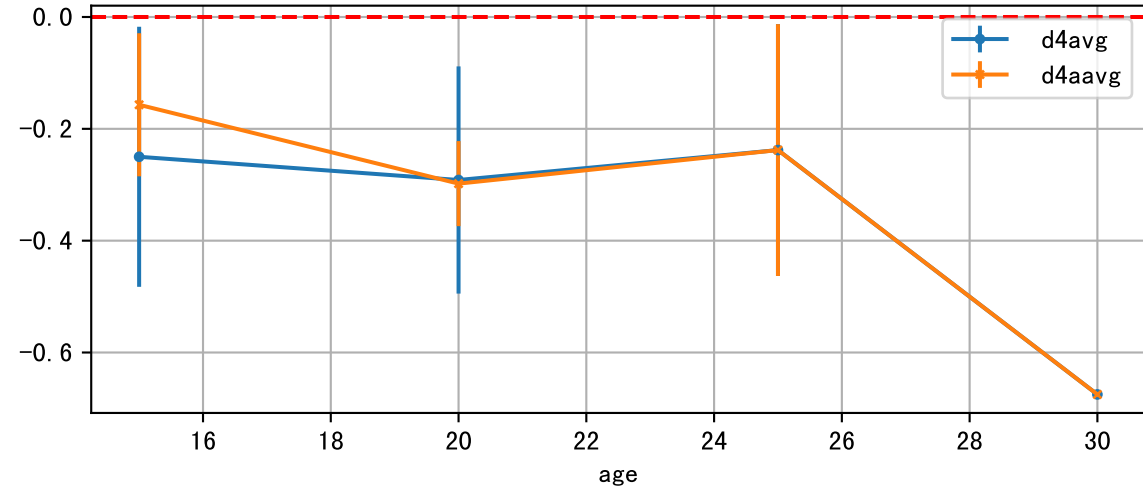


P6AE FrV: D_Q50_FrV

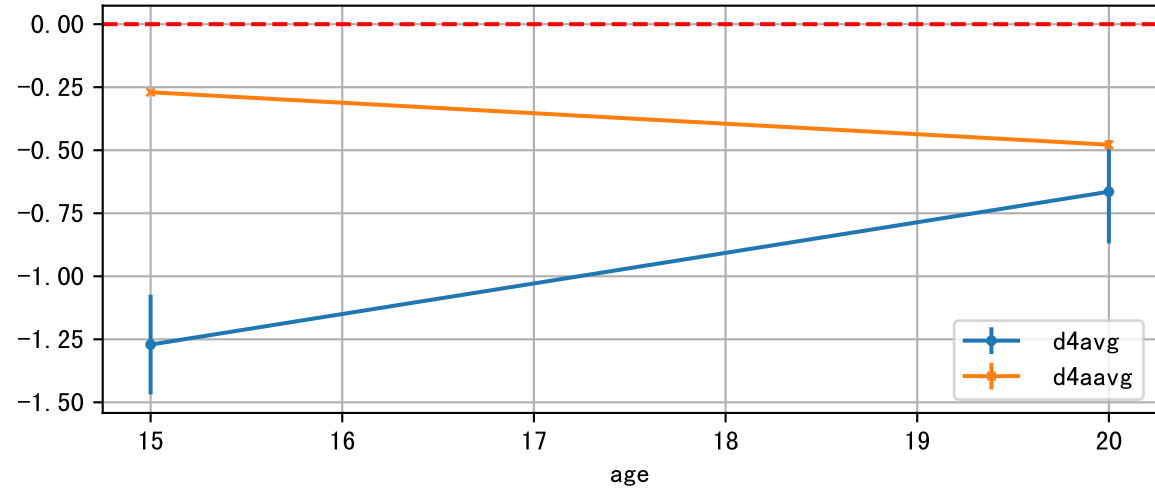


FrV: D_Est_FrV

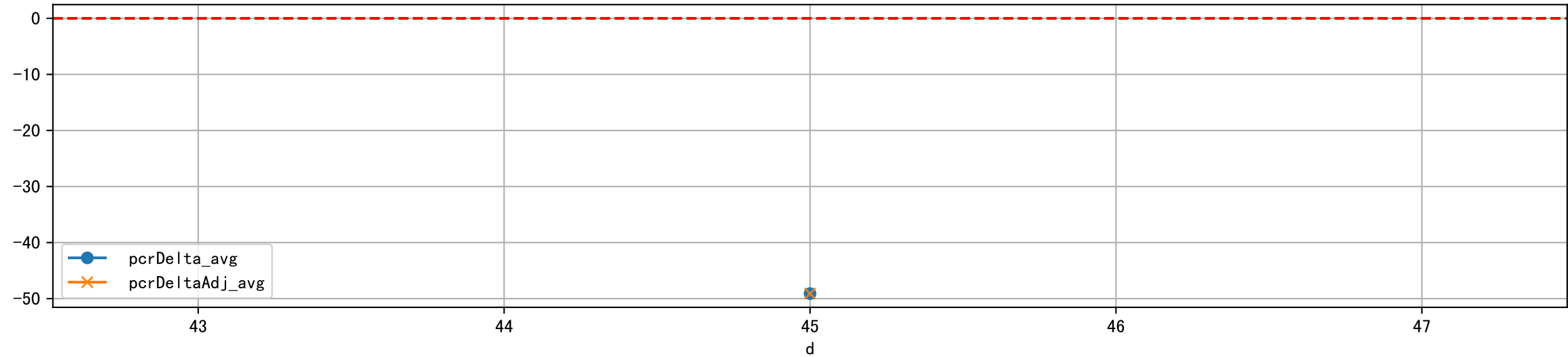
organID=1



organID=2



P6AE FrV: D_Est_FrV



P6AE FrV: sfDem

