

Phenotype Data Analysis Plots

PhenoData day range = 5 – 58

Analysis cutoff day = 58

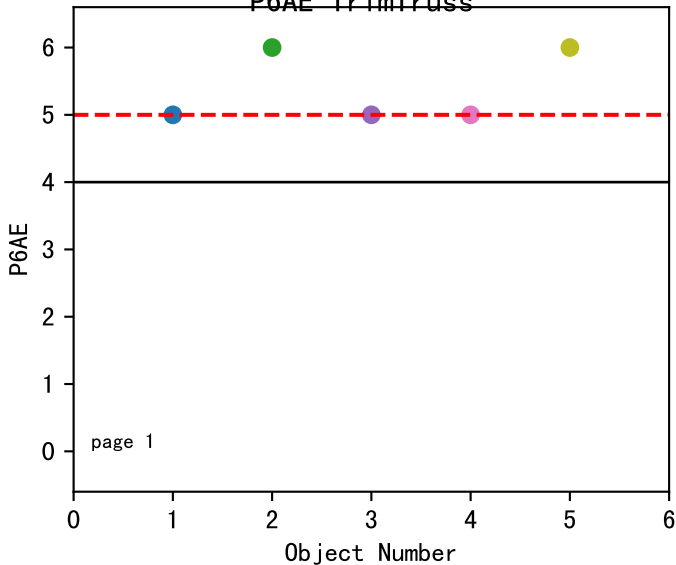
NC11 P6

2025-06-03 (Day 59)

TrussNodeMaxPerStem (Def=4.0 Set=5)

avg1=5.0~11% avg2=na

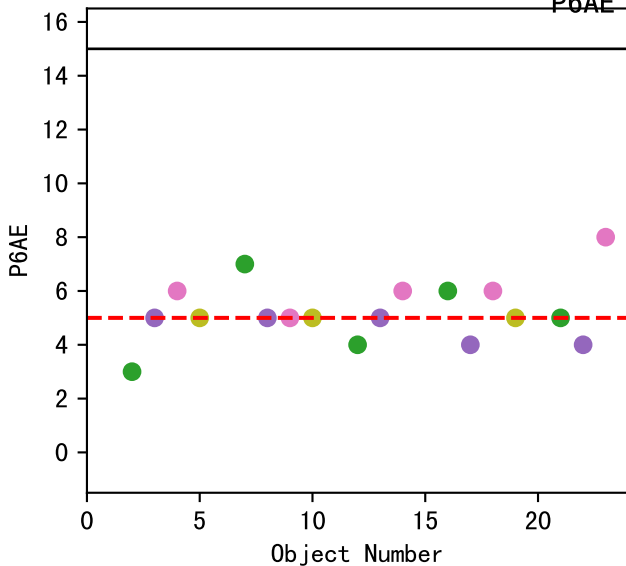
P6AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

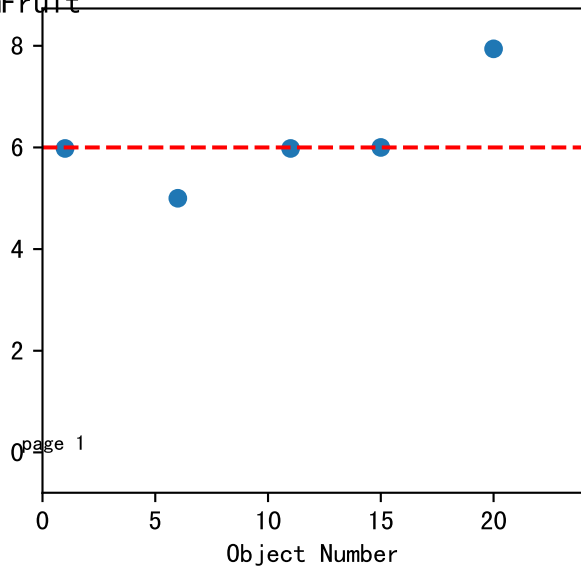
avg1=5.0~17% avg2=na

P6AE TrimFruit

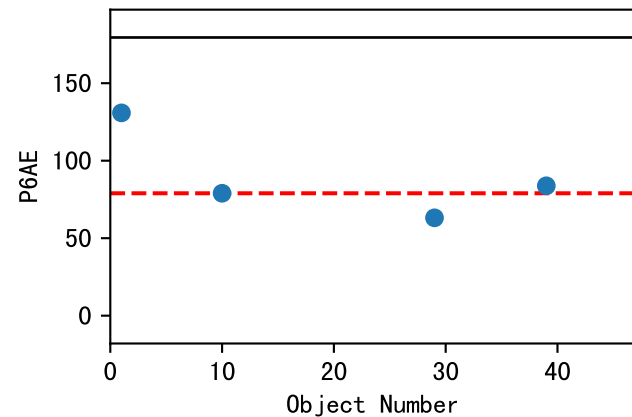


FruitNumMaxPerTruss (Def=na Set=6)

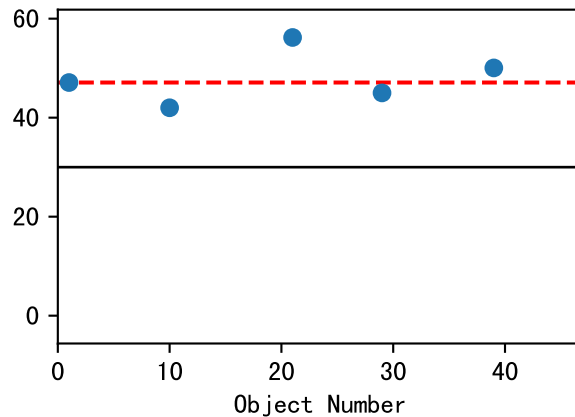
avg1=6.0~0% avg2=na



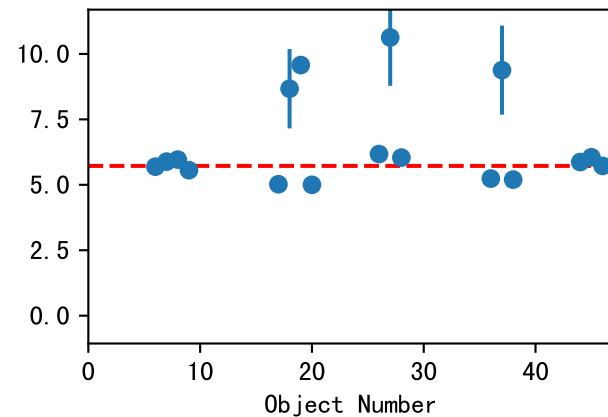
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=78.98~14% avg2=na



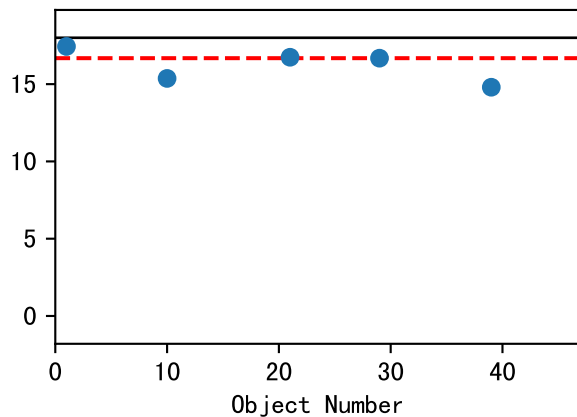
LfW_Q90AbsY (Def=30 Set=47.1)
avg1=47.1~11% avg2=na



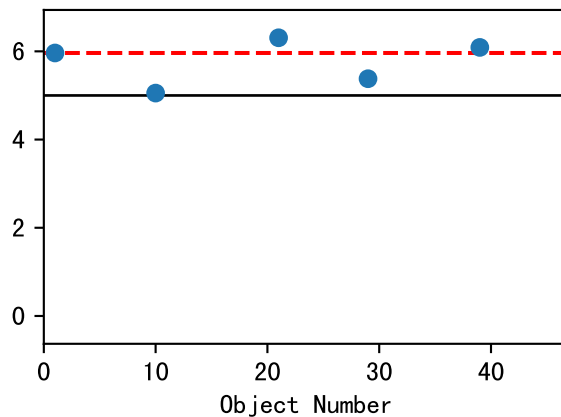
NdL_avgAbsY (Def=na Set=5.72)
avg1=5.72~7% avg2=na



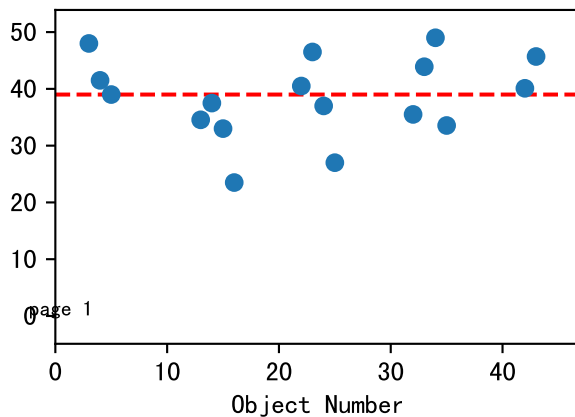
NdD_Q90AbsY (Def=18 Set=16.68)
avg1=16.68~7% avg2=na



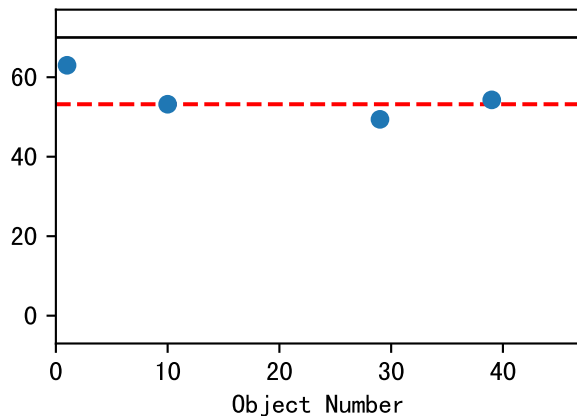
NdL_Q90AbsY (Def=5 Set=5.96)
avg1=5.96~9% avg2=na



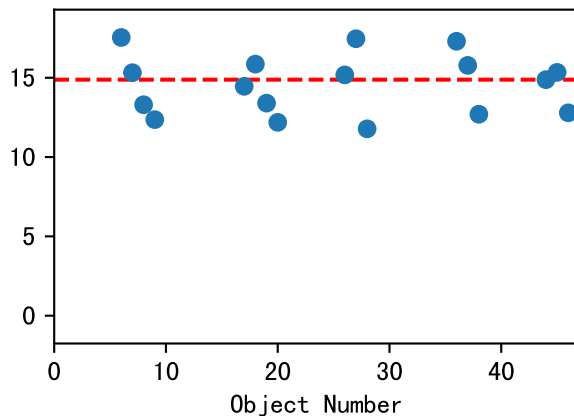
LfL_avgAbsY (Def=na Set=39.0)
avg1=39.0~18% avg2=na



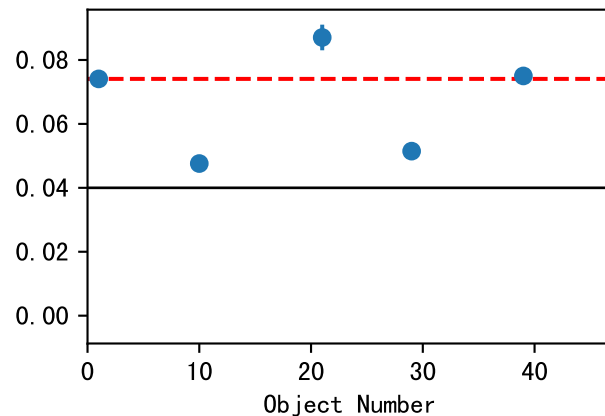
FrD_Q90AbsY (Def=70 Set=53.2)
avg1=53.2~5% avg2=na



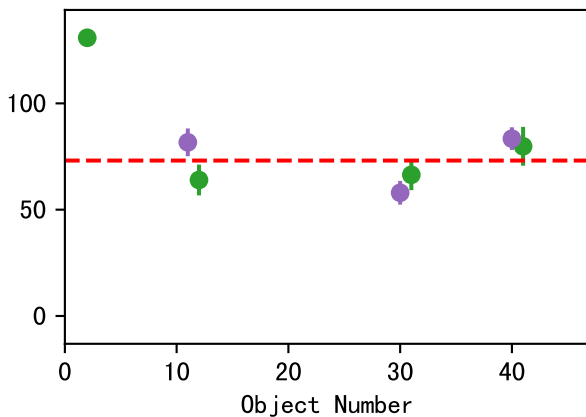
NdD_avgAbsY (Def=na Set=14.88)
avg1=14.88~13% avg2=na



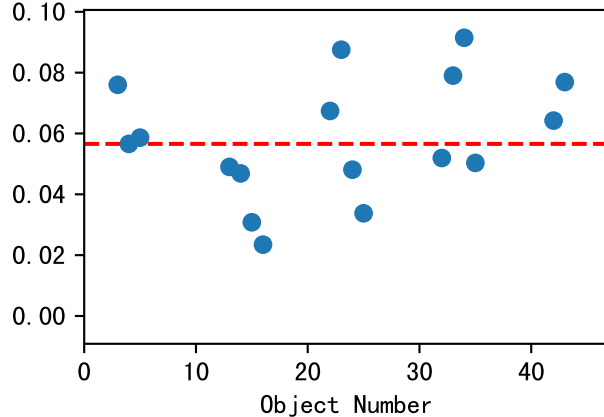
LfA_Q90AbsY (Def=0.04 Set=0.07)
avg1=0.07~23% avg2=na



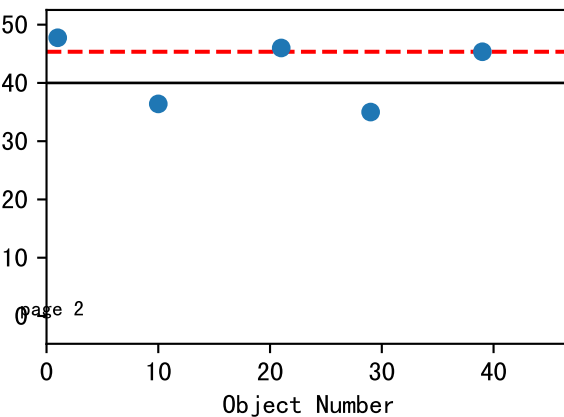
FrV_avgAbsY (Def=na Set=73.11)
avg1=73.11~15% avg2=na



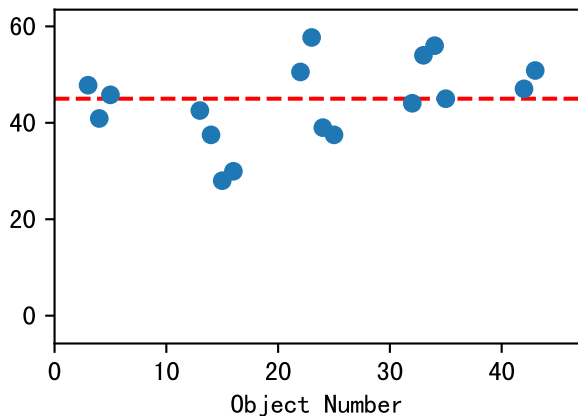
LfA_avgAbsY (Def=na Set=0.06)
avg1=0.06~35% avg2=na



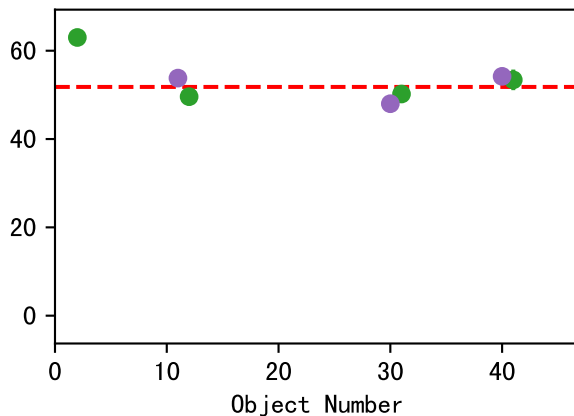
LfL_Q90AbsY (Def=40 Set=45.35)
avg1=45.35~13% avg2=na



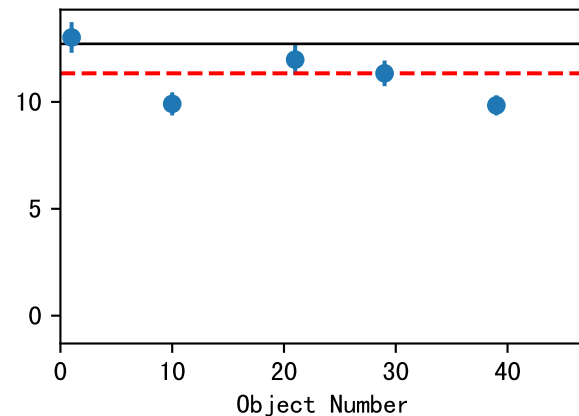
LfW_avgAbsY (Def=na Set=45.0)
avg1=45.0~19% avg2=na



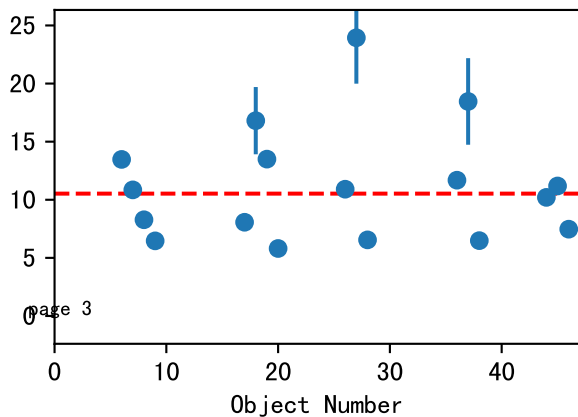
FrD_avgAbsY (Def=na Set=51.8)
avg1=51.8~5% avg2=na



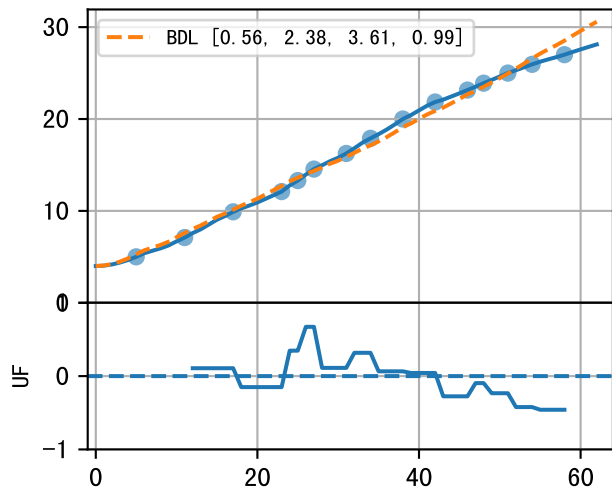
NdV_Q90AbsY (Def=na Set=11.34)
avg1=11.34~12% avg2=na



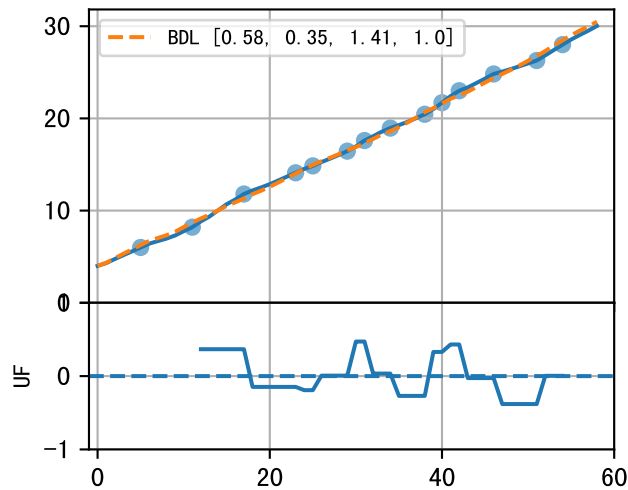
NdV_avgAbsY (Def=na Set=10.53)
avg1=10.53~36% avg2=na



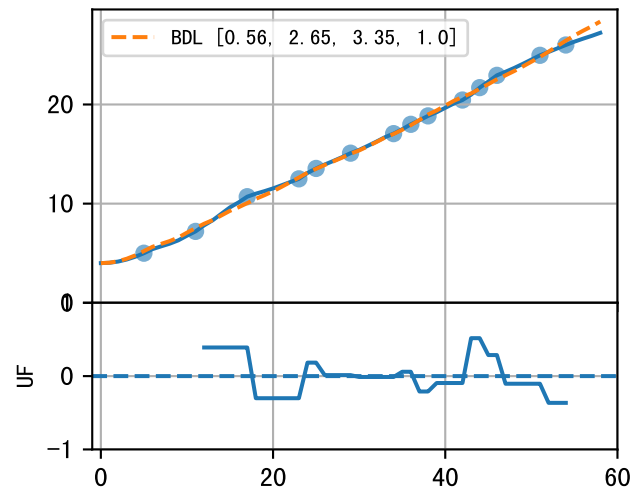
P6AE-007-10 (fit failed)



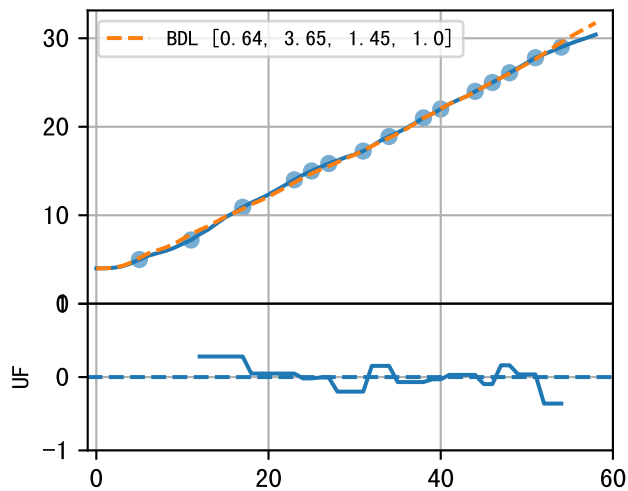
P6AE-014-17 (fit failed)



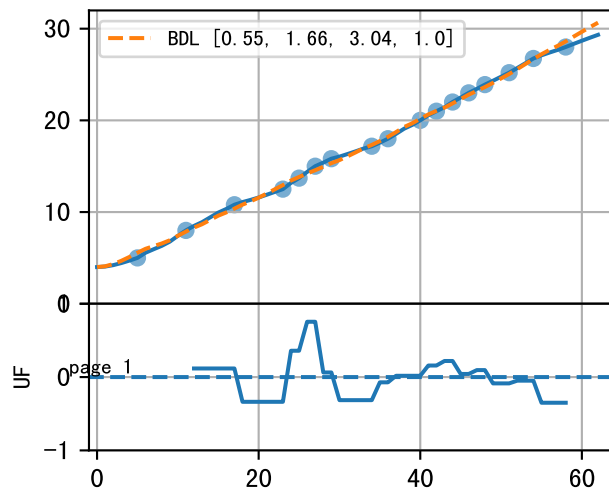
P6AE-026-25 (fit failed)



P6AE-033-4 (fit failed)



P6AE-045-12 (fit failed)

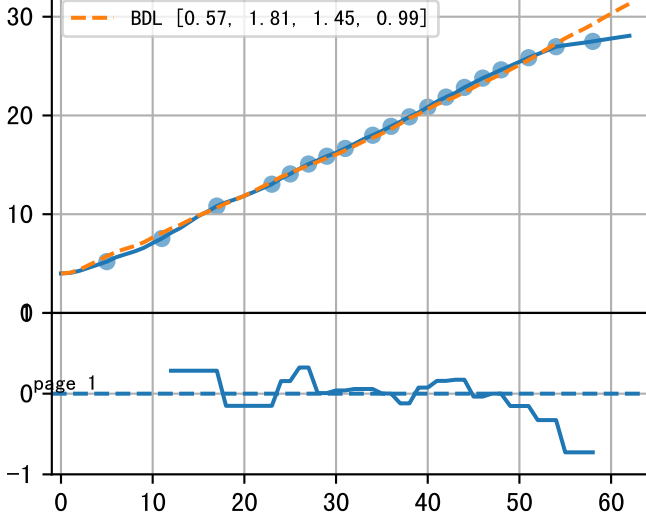


P6AEavg (fit failed)

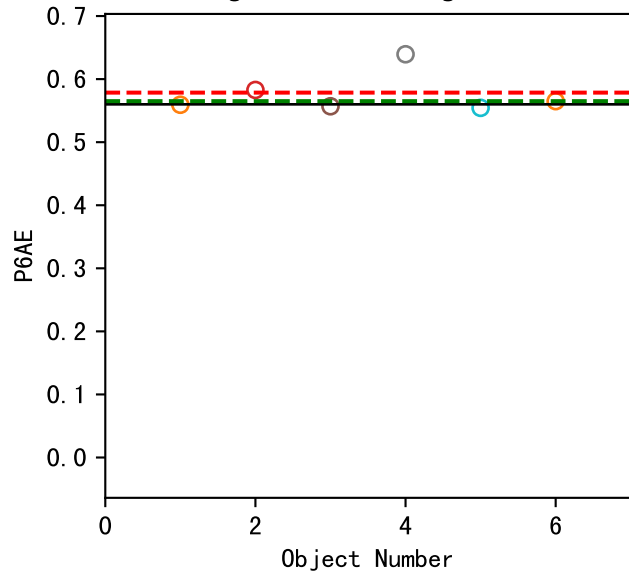
NdN

BDL [0.57, 1.81, 1.45, 0.99]

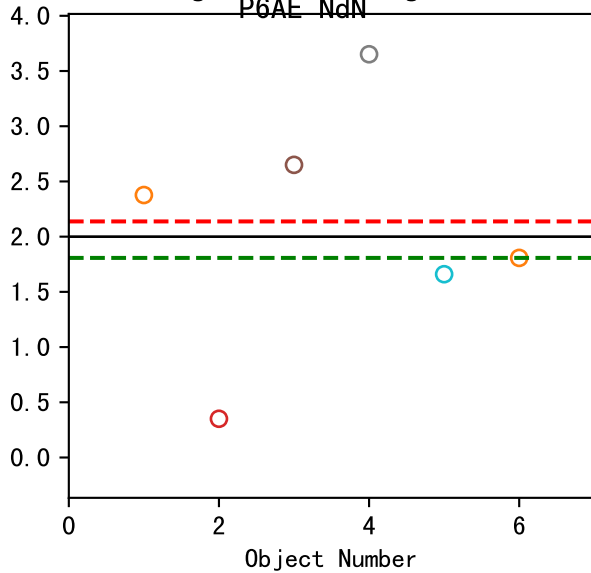
UF
page 1



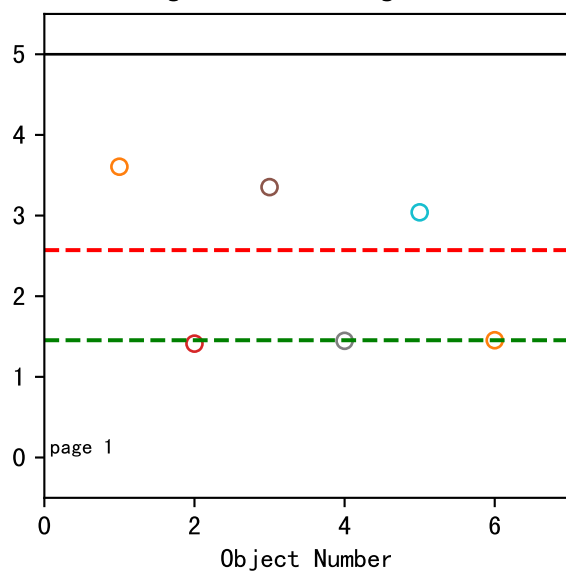
a (Def=0.56 Set=0.57)
avg1=0.58(fail) avg2=0.57



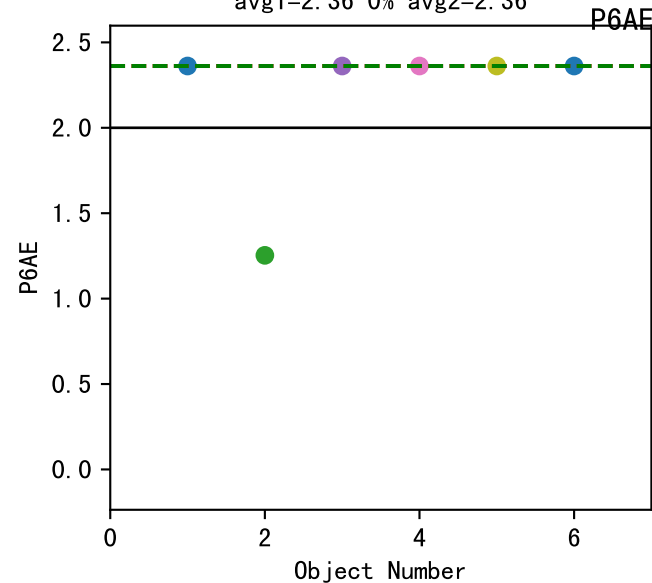
dm (Def=2 Set=1.81)
avg1=2.14(fail) avg2=1.81



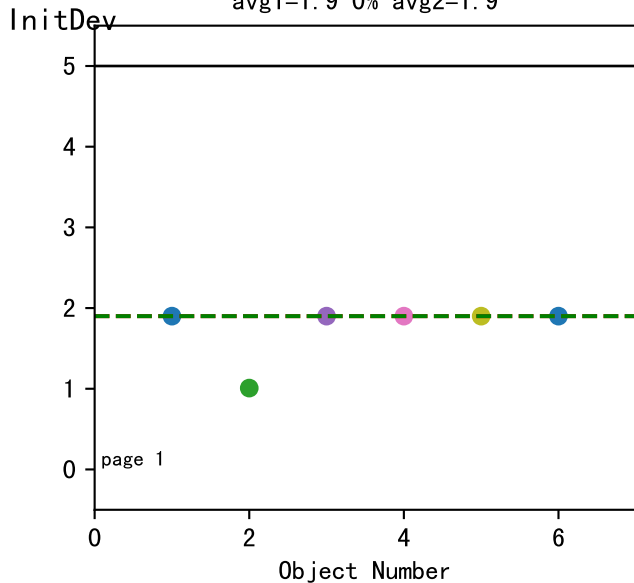
de (Def=5 Set=1.45)
avg1=2.57(fail) avg2=1.45



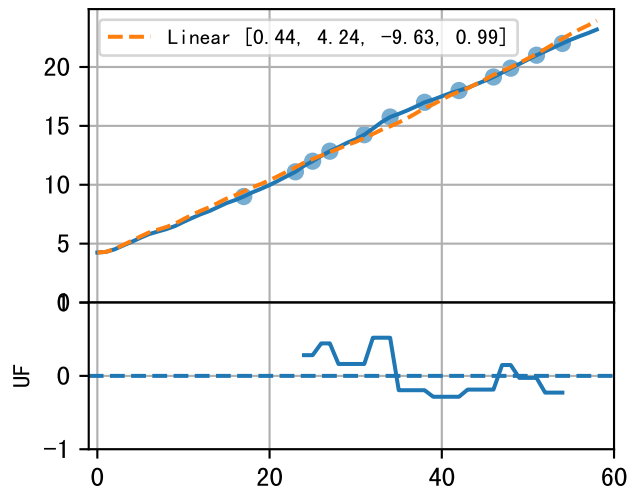
InitDev_dm (Def=2 Set=2.36)
avg1=2.36~0% avg2=2.36



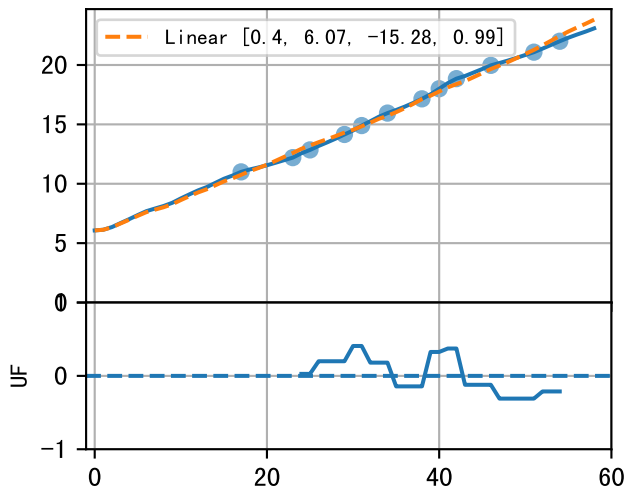
InitDev_de (Def=5 Set=1.9)
avg1=1.9~0% avg2=1.9



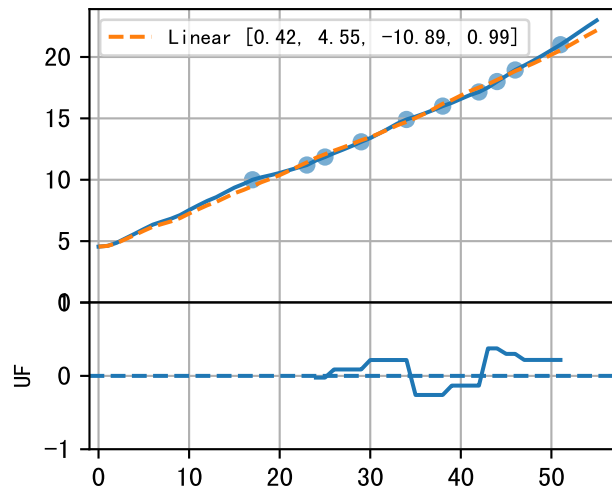
P6AE-007-10



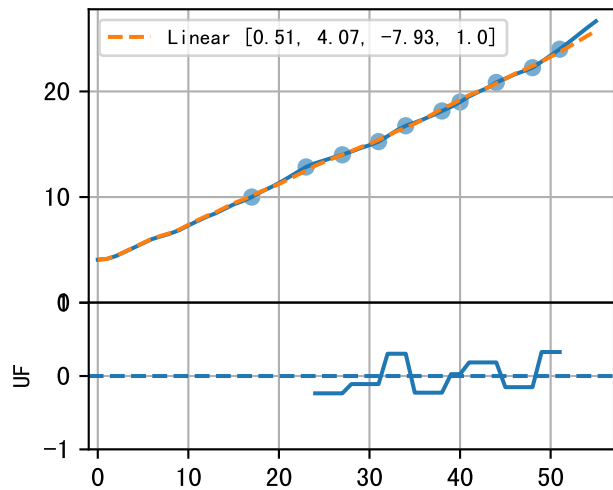
P6AE-014-17



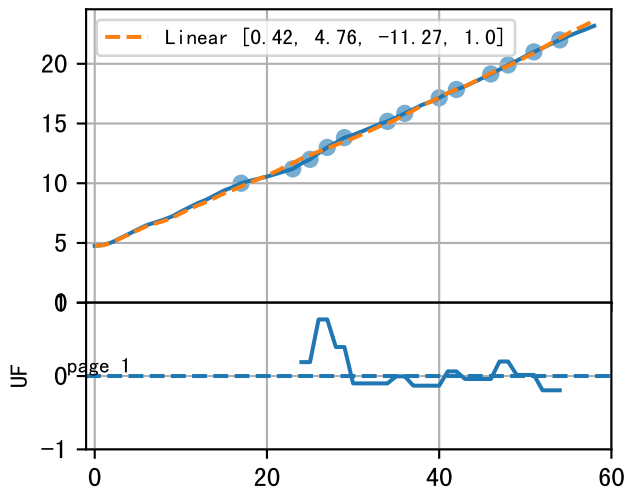
P6AE-026-25

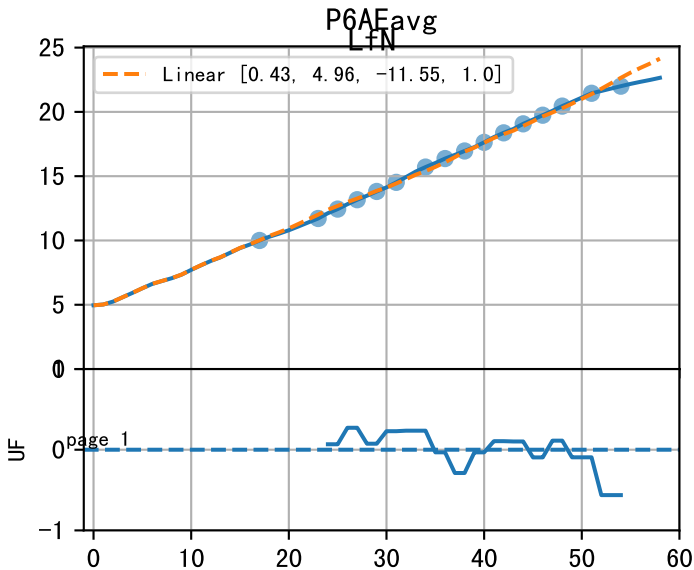


P6AE-033-4

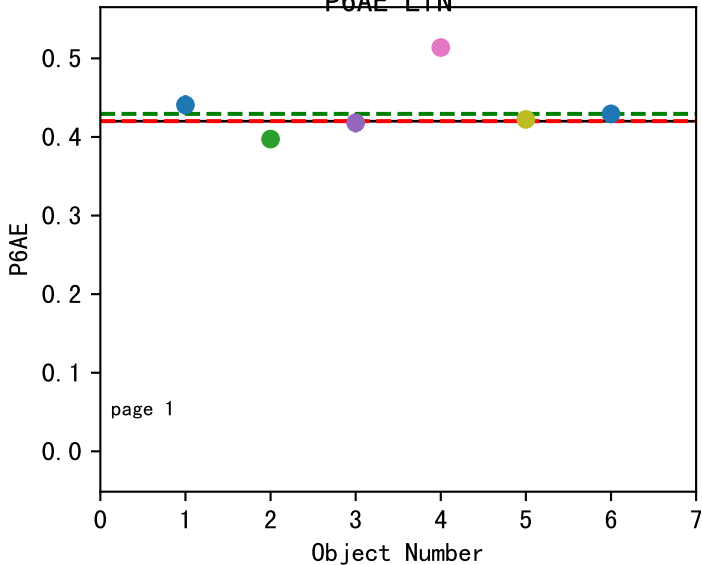


P6AE-045-12



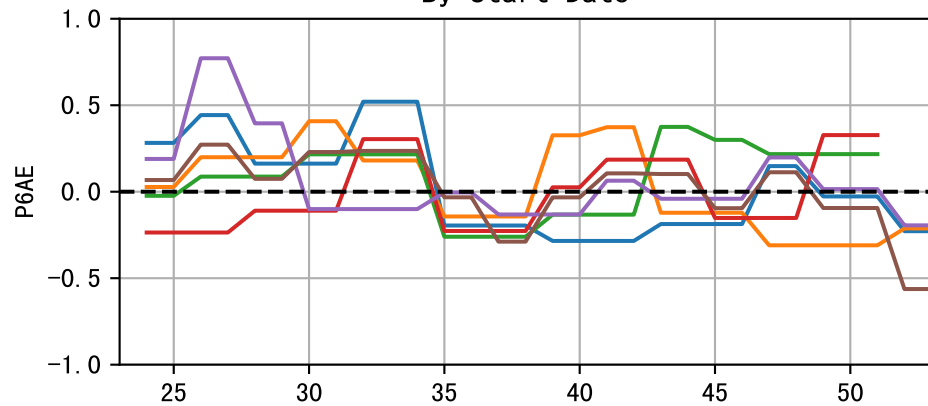


a (Def=0.42 Set=0.43)
avg1=0.42~4% avg2=0.43~4%
P6AE LFN

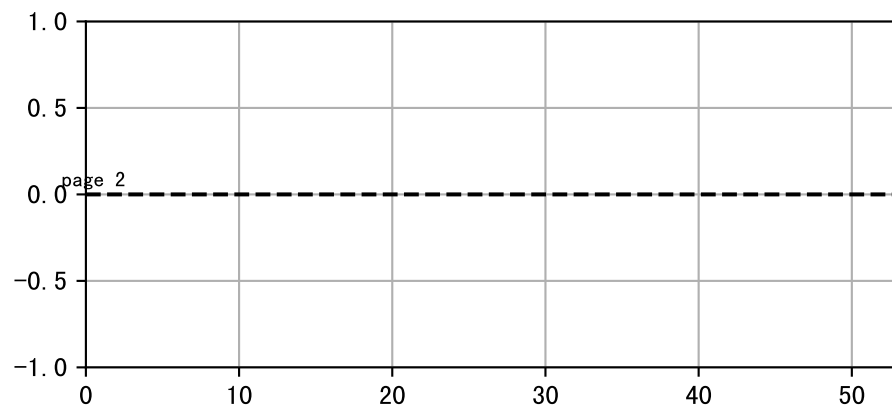
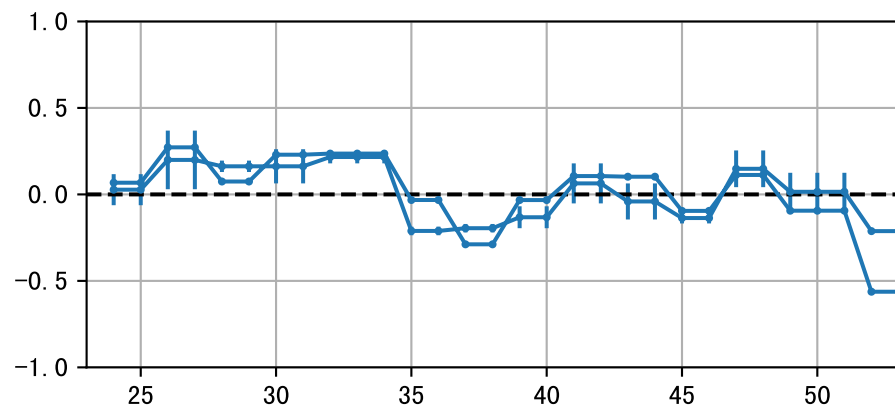
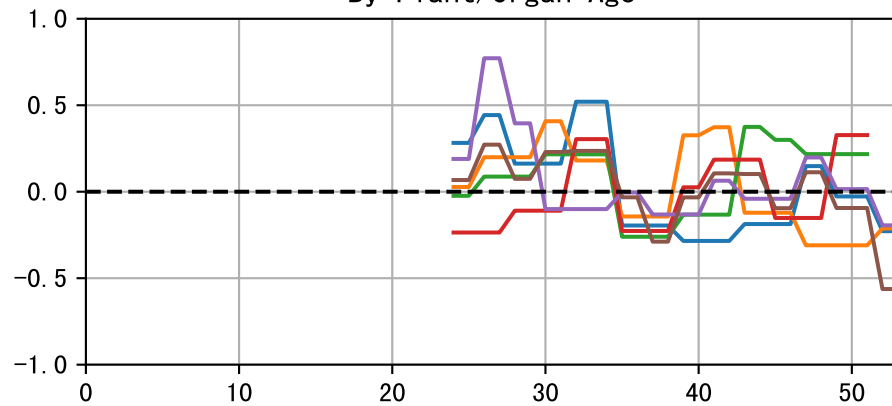


page 1

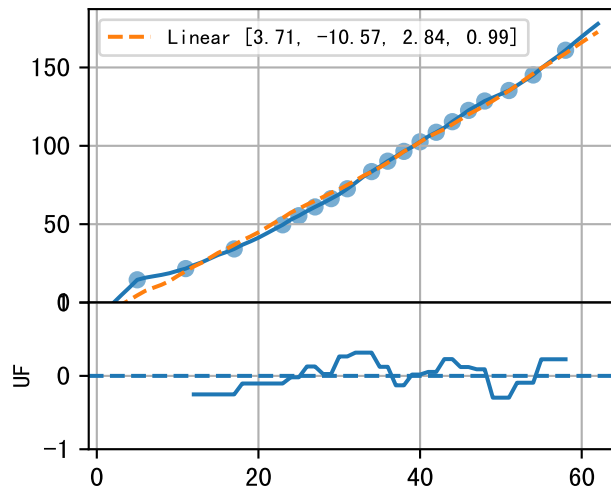
By Start Date



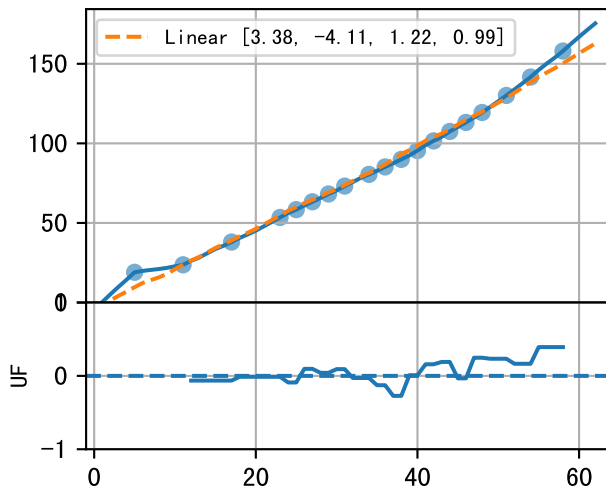
By Plant/Organ Age



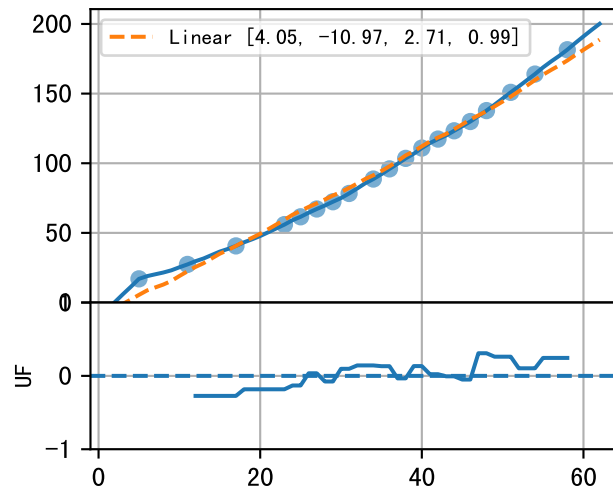
P6AE-007-10



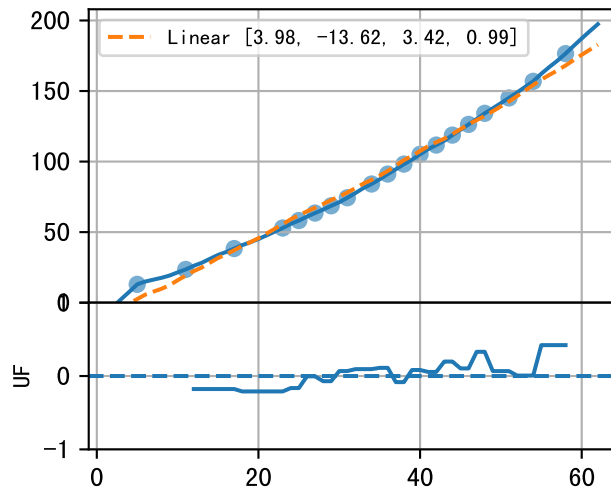
P6AE-014-17



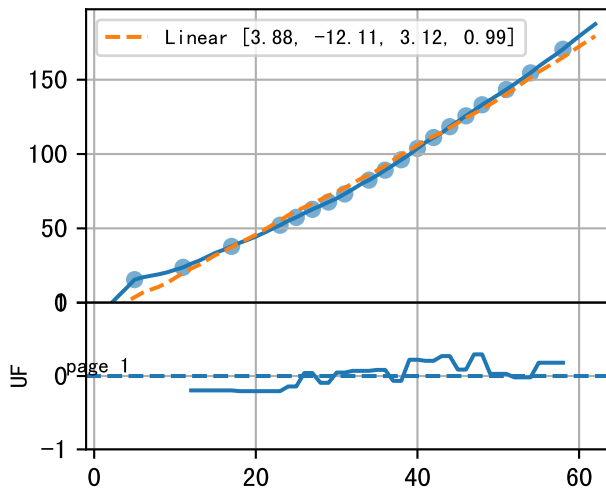
P6AE-026-25



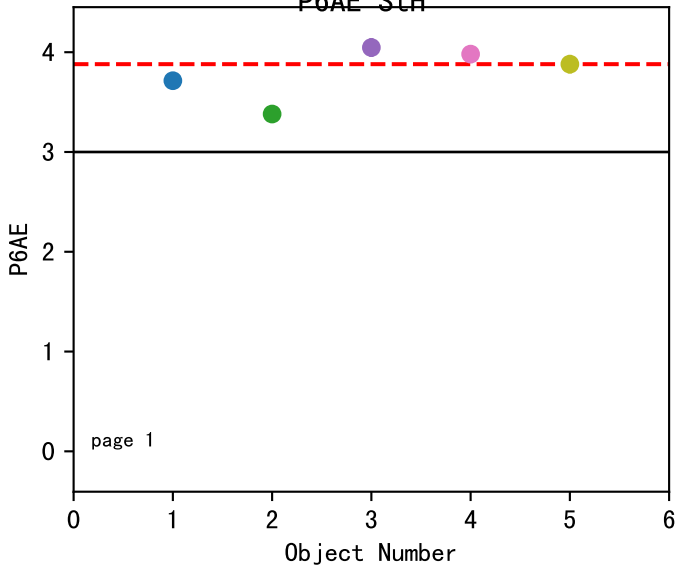
P6AE-033-4



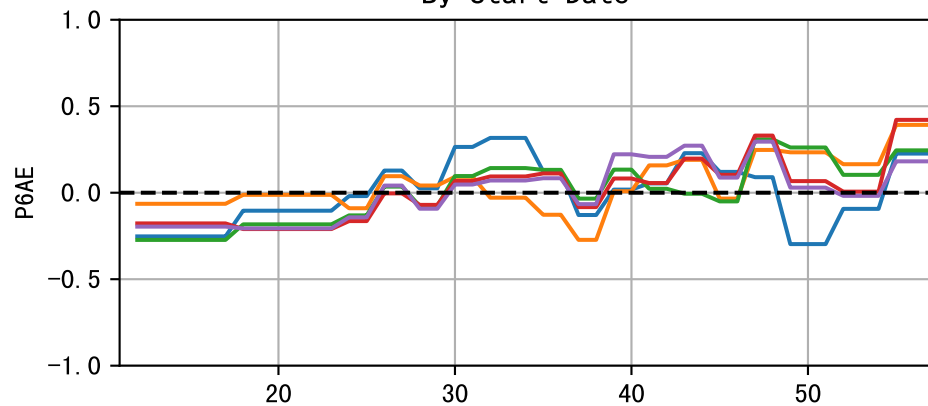
P6AE-045-12



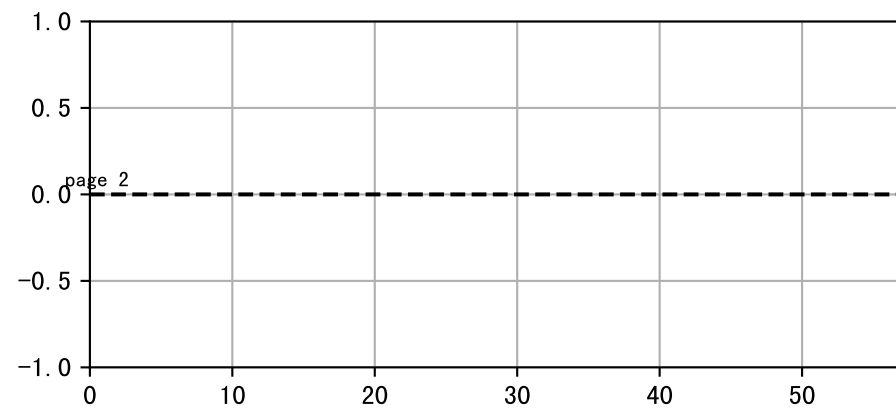
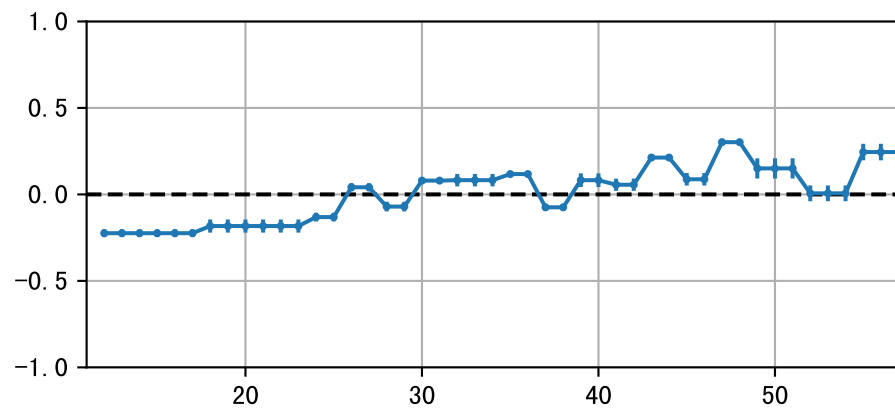
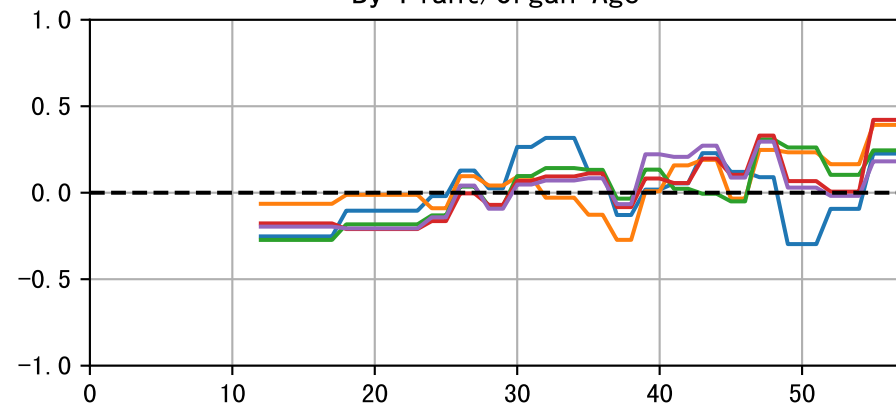
a (Def=3 Set=3.88)
avg1=3.88~7% avg2=na
P6AE StH



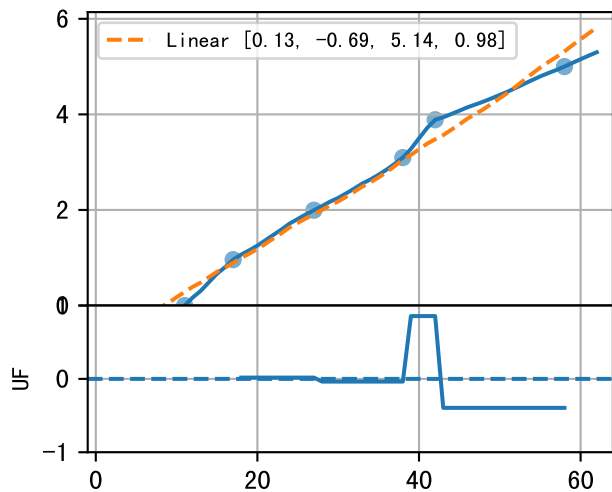
By Start Date



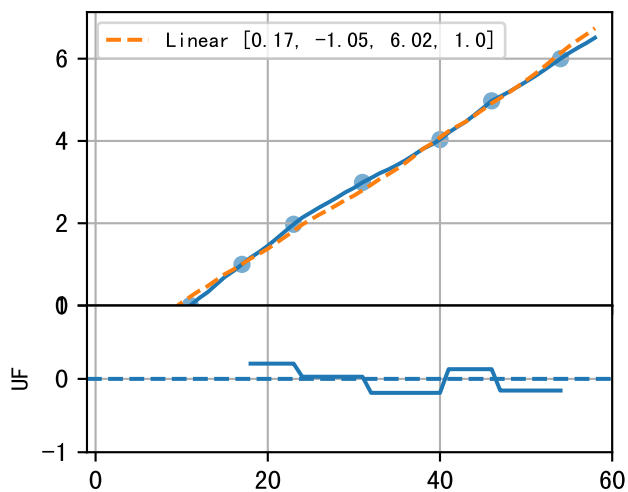
By Plant/Organ Age



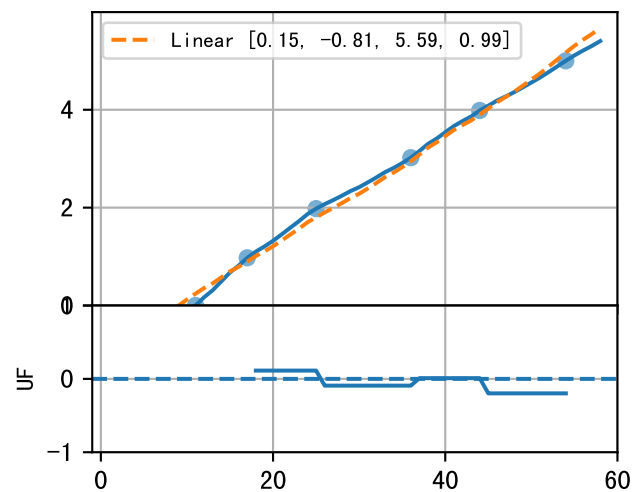
P6AE-007-10



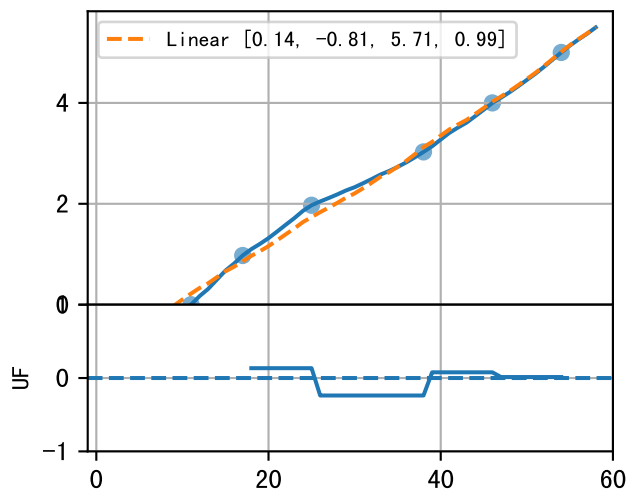
P6AE-014-17



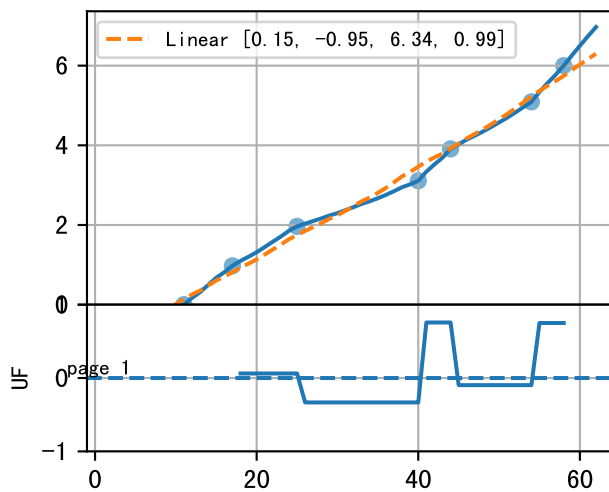
P6AE-026-25



P6AE-033-4



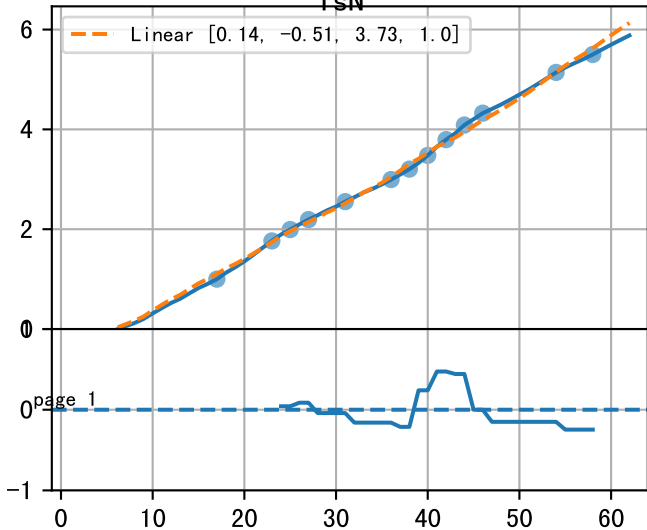
P6AE-045-12



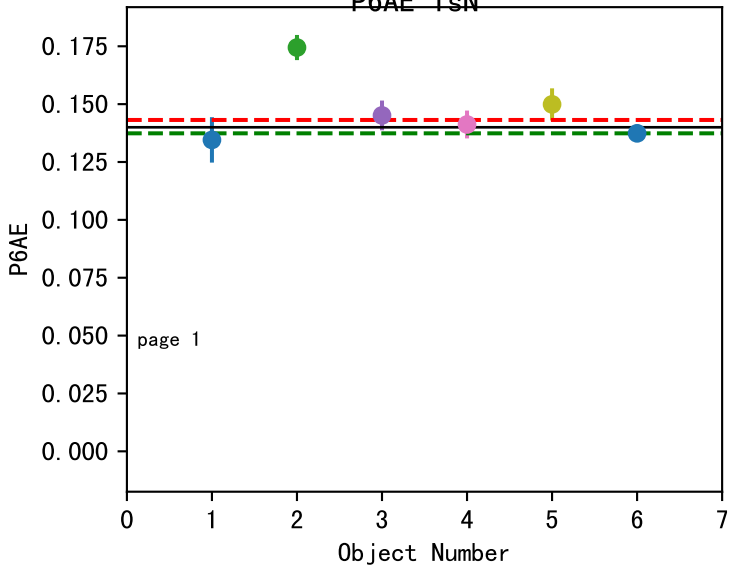
P6AEavg
1.5N

Linear [0.14, -0.51, 3.73, 1.0]

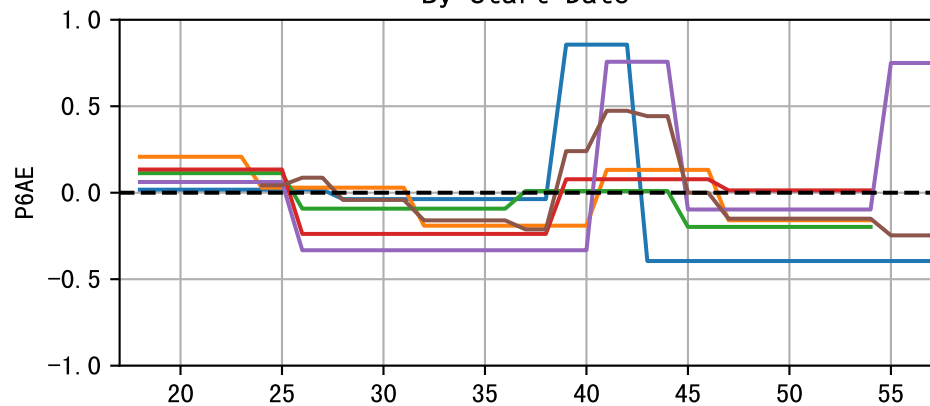
UF
page 1



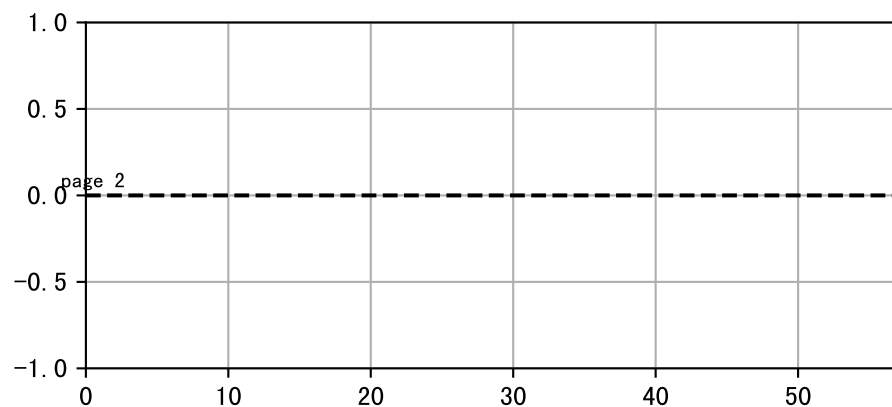
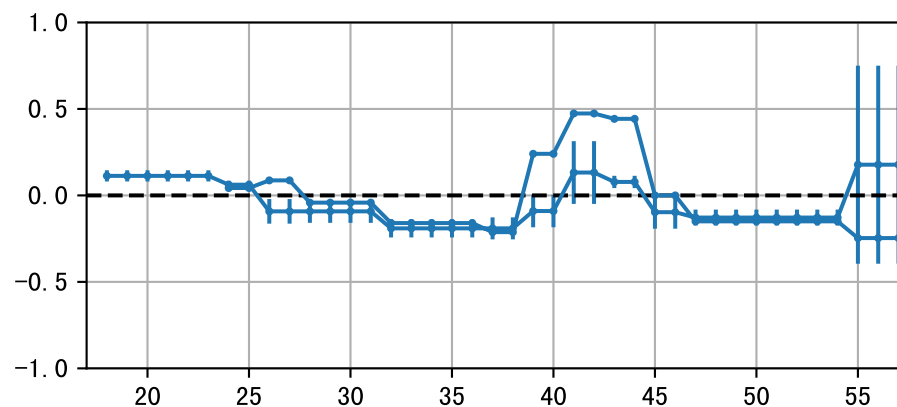
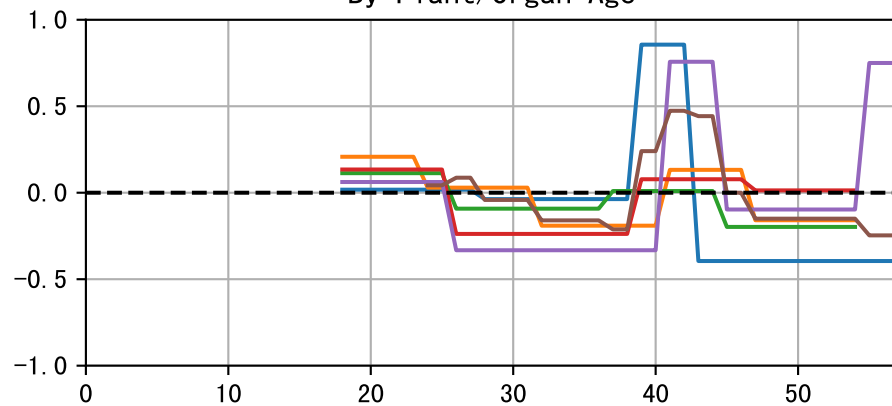
a (Def=0.14 Set=0.14)
avg1=0.14 $\sim$ 5% avg2=0.14 $\sim$ 4%
P6AE TSN

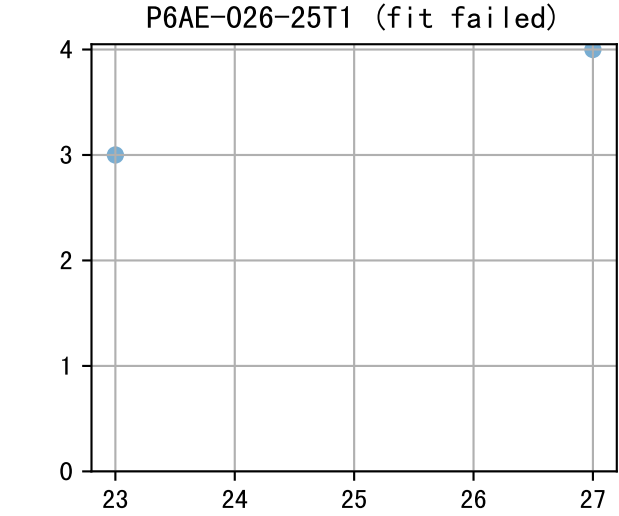
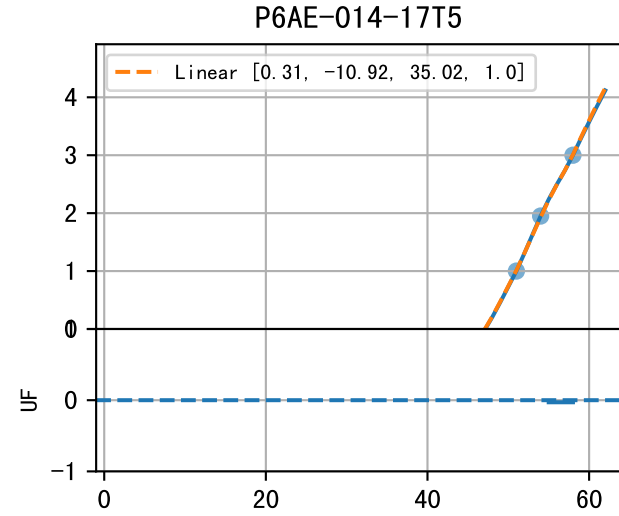
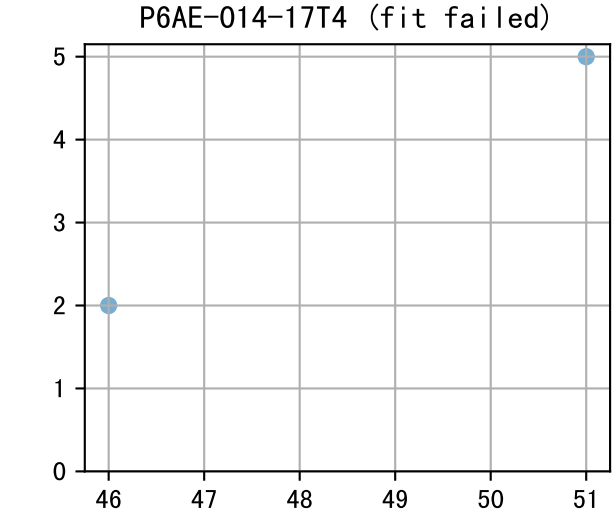
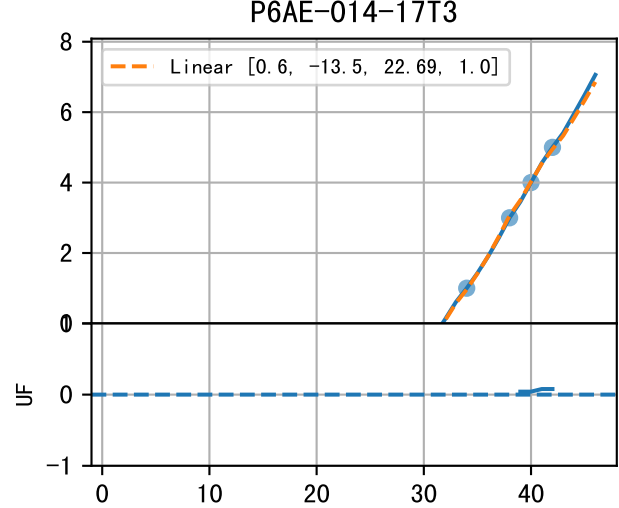
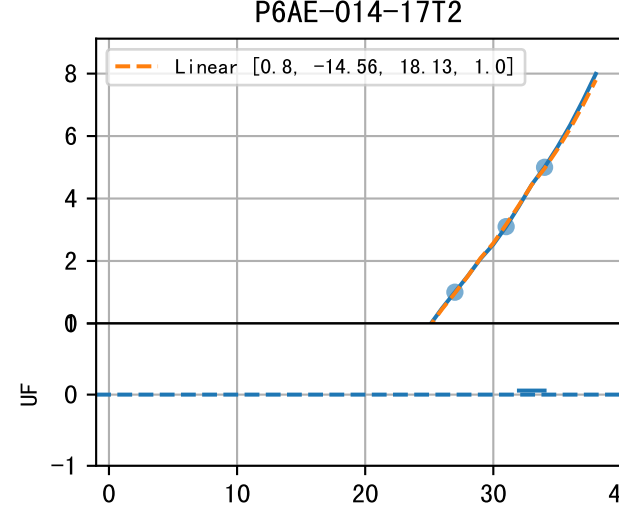
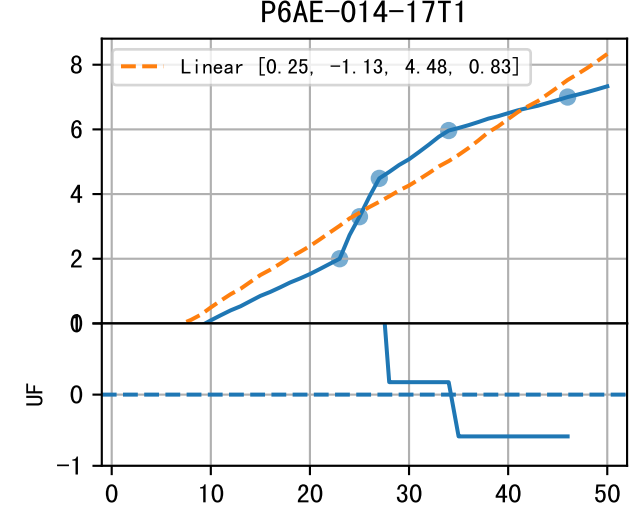
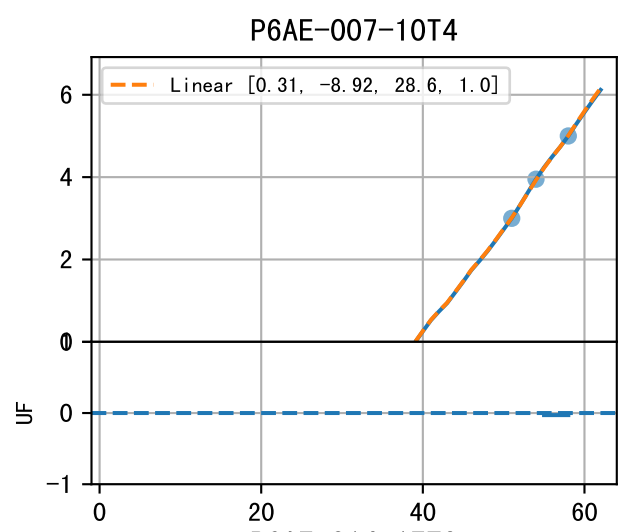
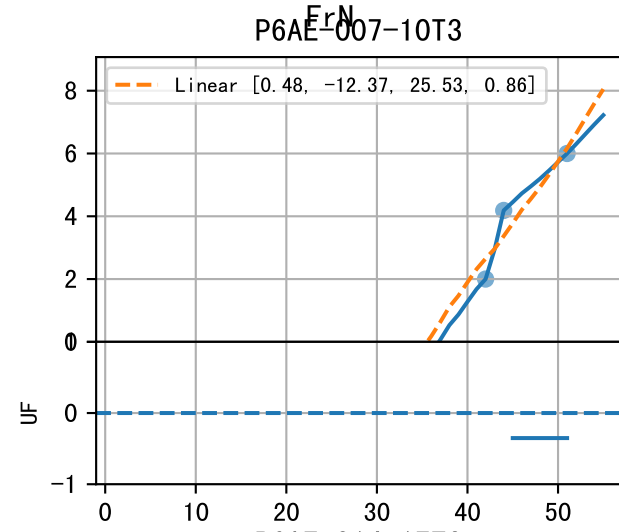
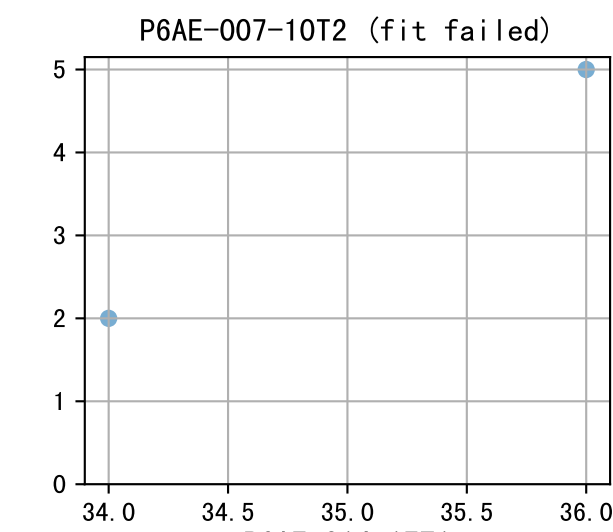


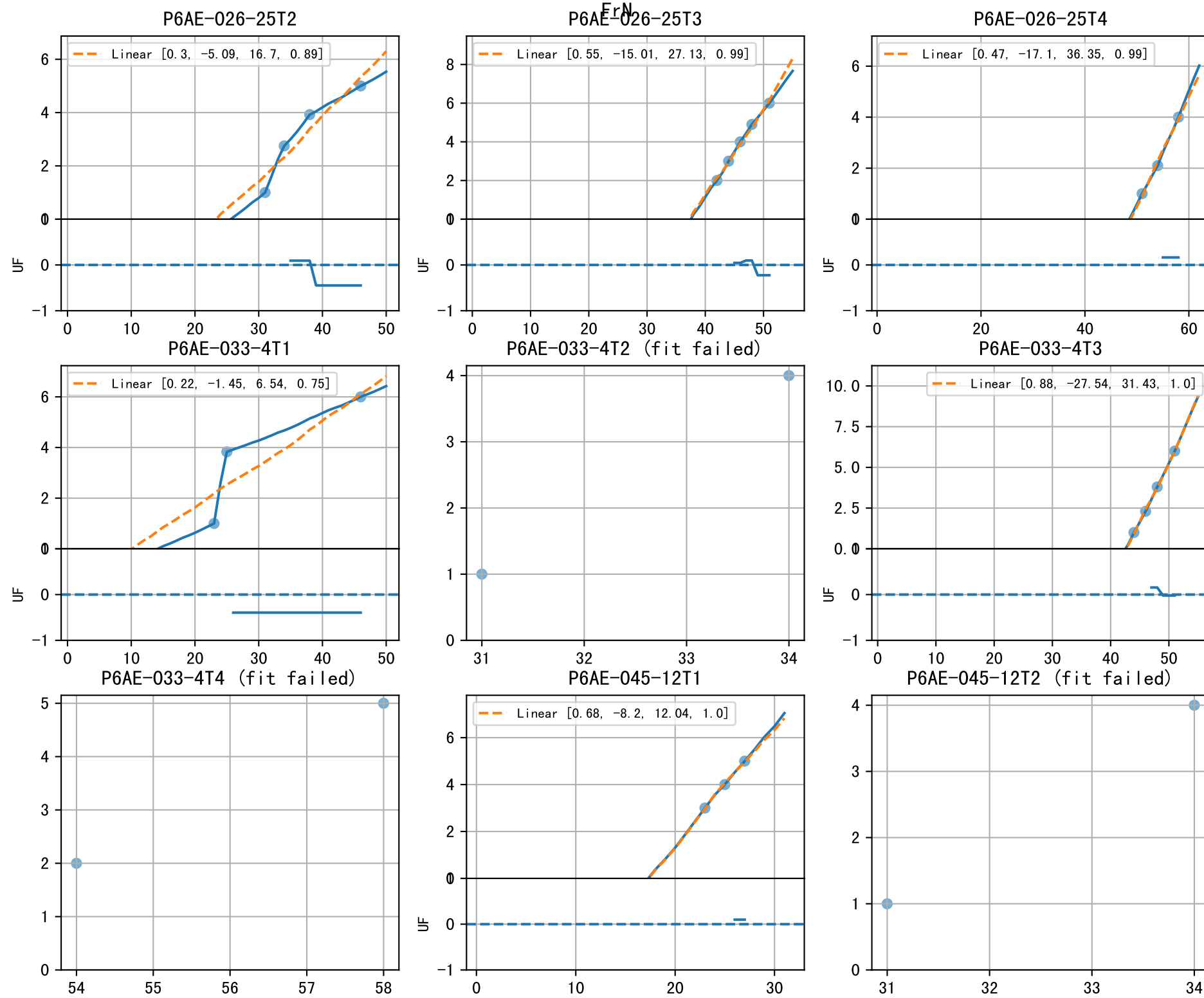
By Start Date



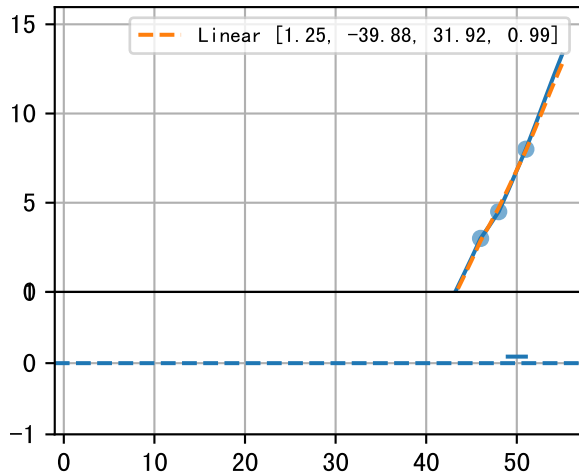
By Plant/Organ Age



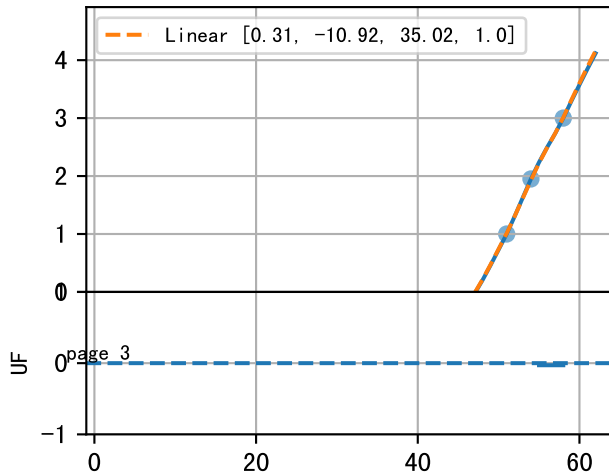




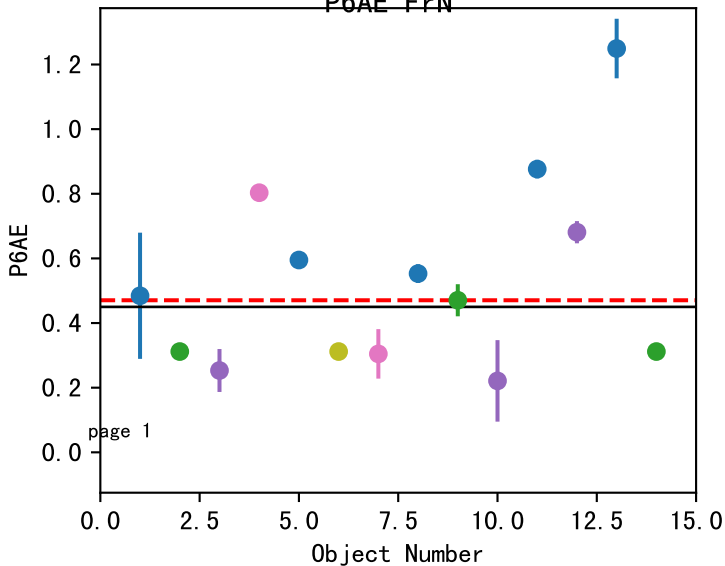
P6AE-045-12T3



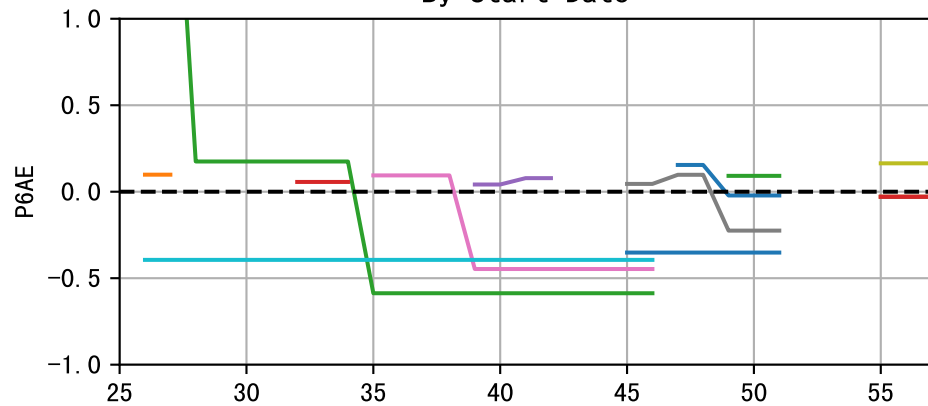
P6AE-045-12T4



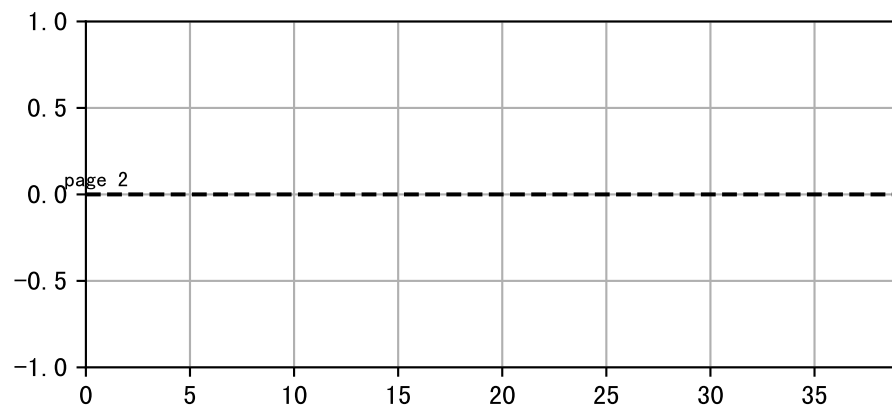
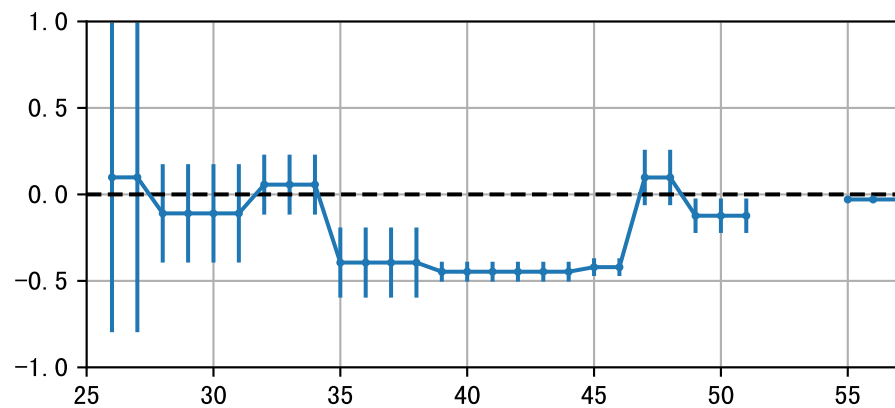
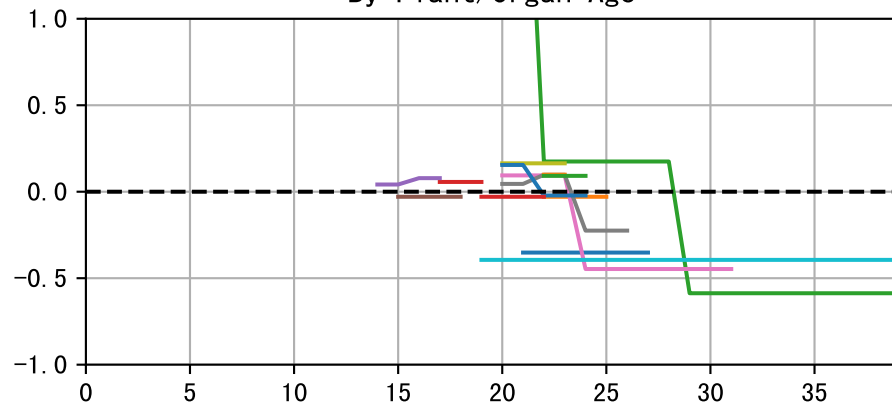
a (Def=0.45 Set=0.47)
avg1=0.47~46% avg2=na

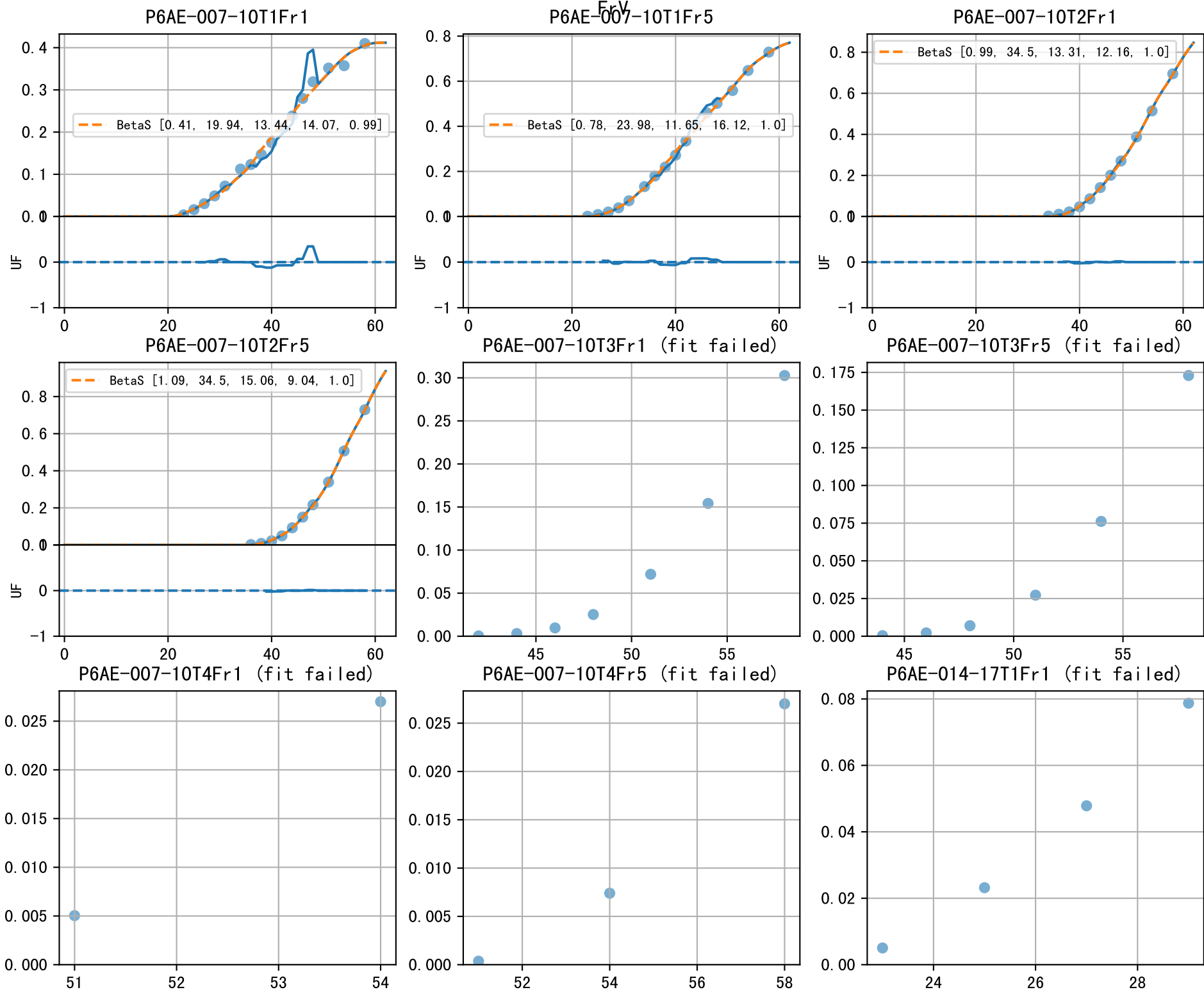


By Start Date

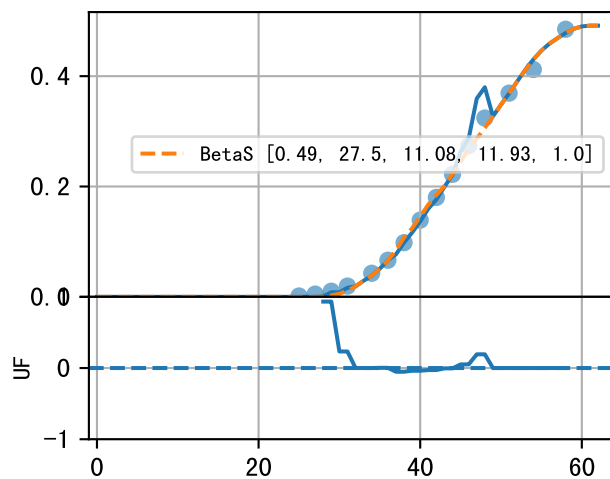


By Plant/Organ Age

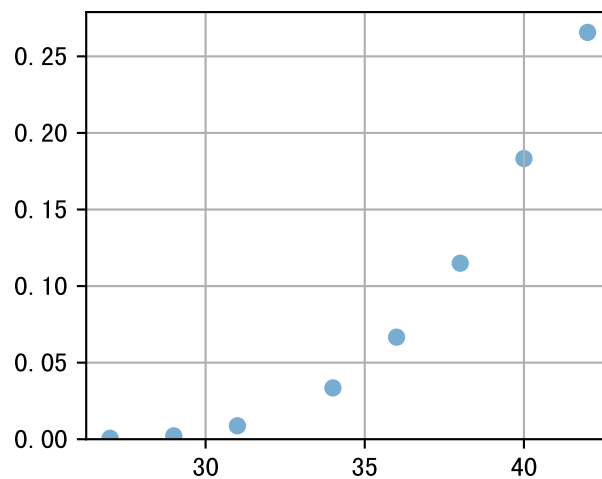




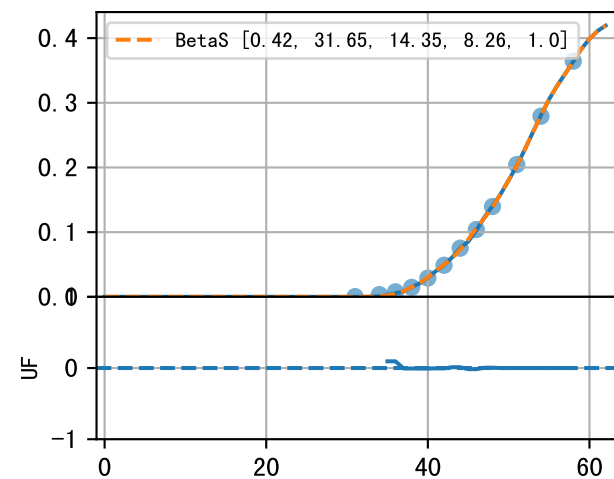
P6AE-014-17T1Fr5



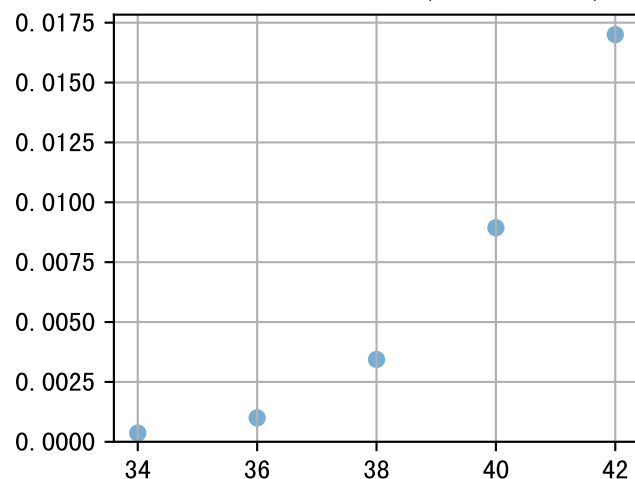
P6AE-014-17T2Fr1 (fit failed)



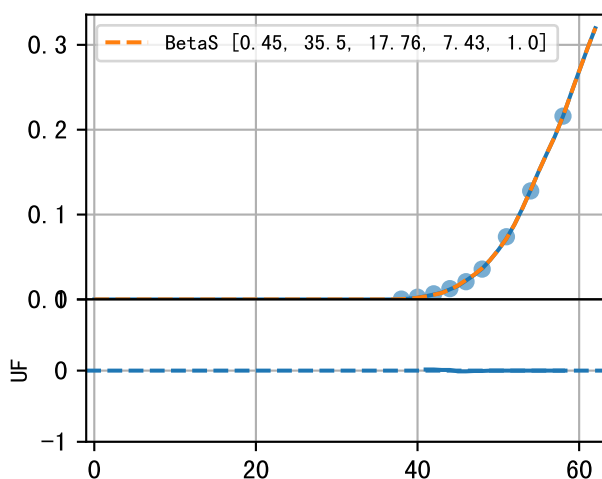
P6AE-014-17T2Fr5



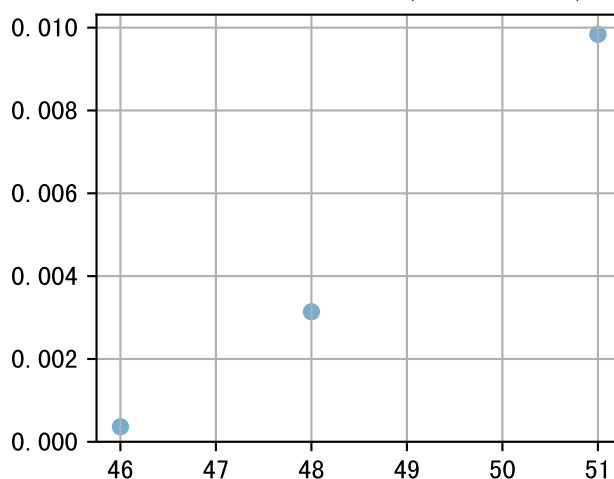
P6AE-014-17T3Fr1 (fit failed)



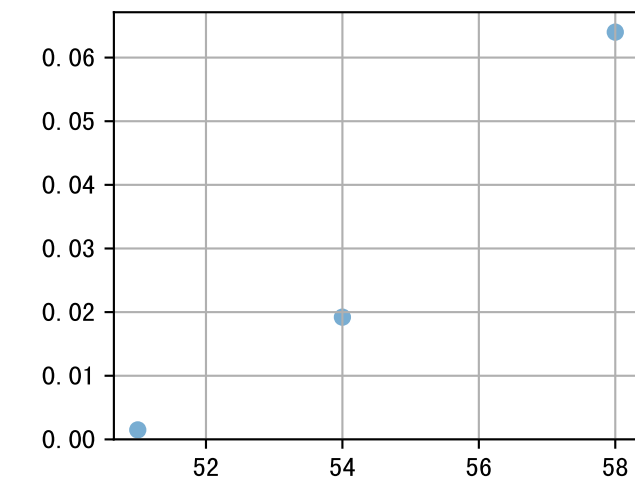
P6AE-014-17T3Fr5



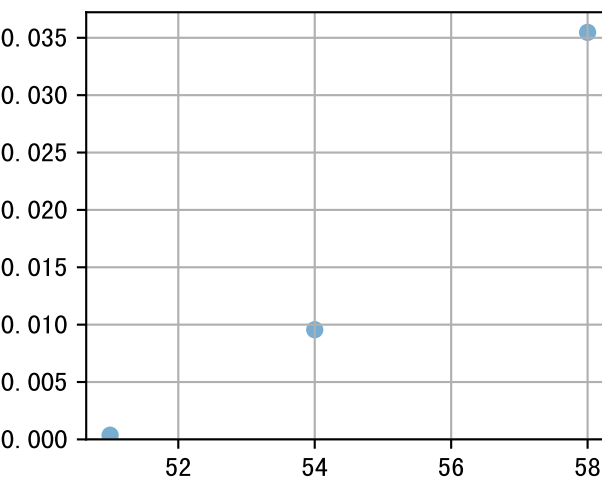
P6AE-014-17T4Fr1 (fit failed)



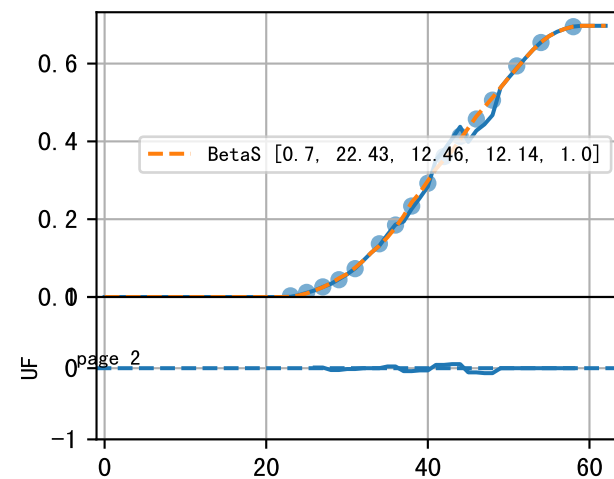
P6AE-014-17T4Fr5 (fit failed)



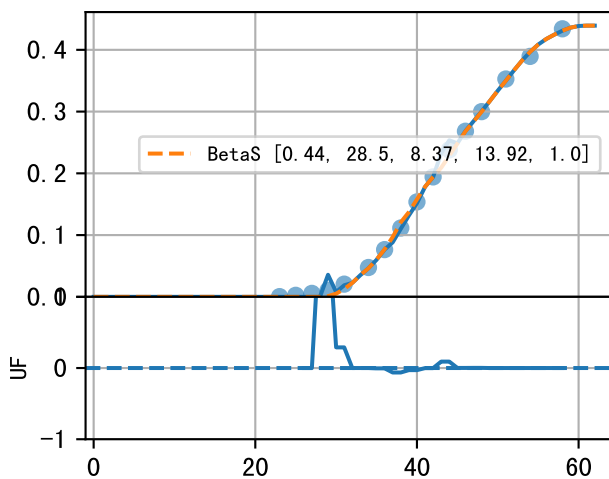
P6AE-014-17T5Fr1 (fit failed)



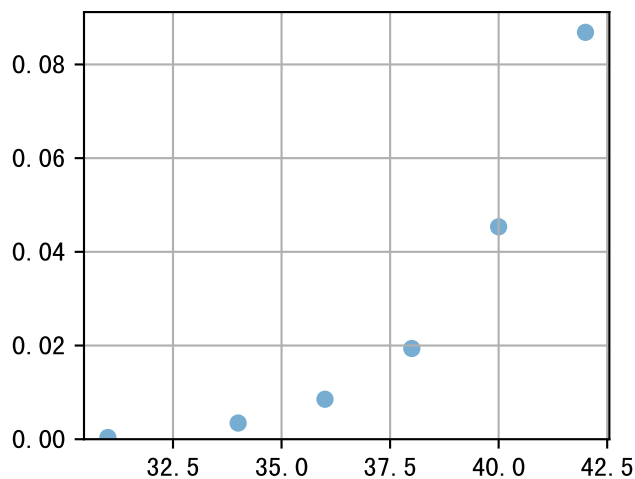
P6AE-026-25T1Fr1



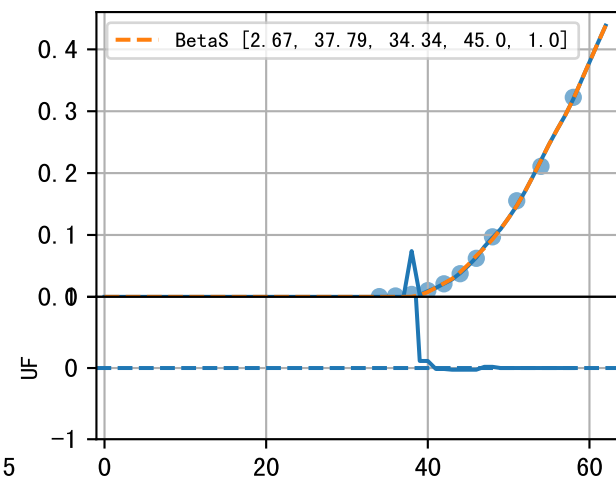
P6AE-026-25T1Fr5



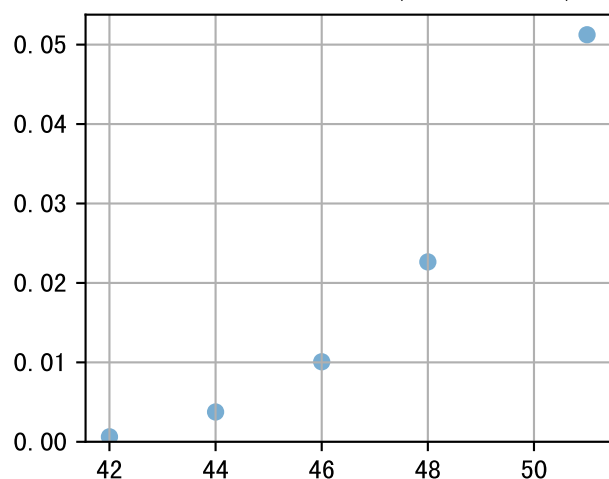
P6AE-026-25T2Fr1 (fit failed)



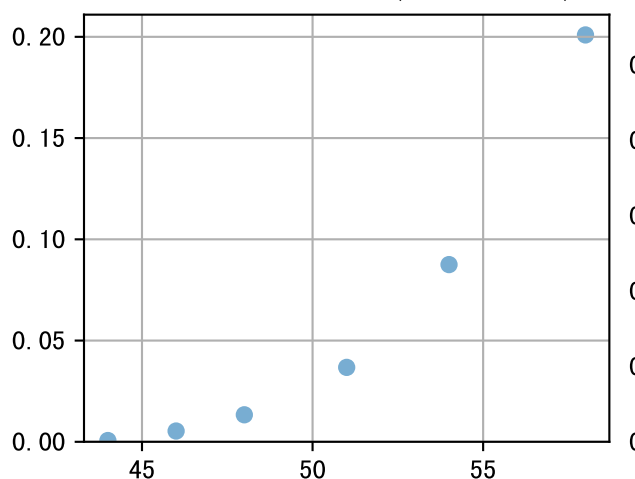
P6AE-026-25T2Fr5 (fit failed)



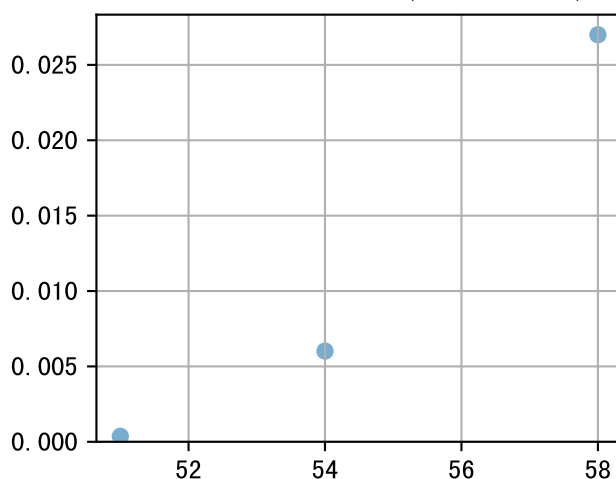
P6AE-026-25T3Fr1 (fit failed)



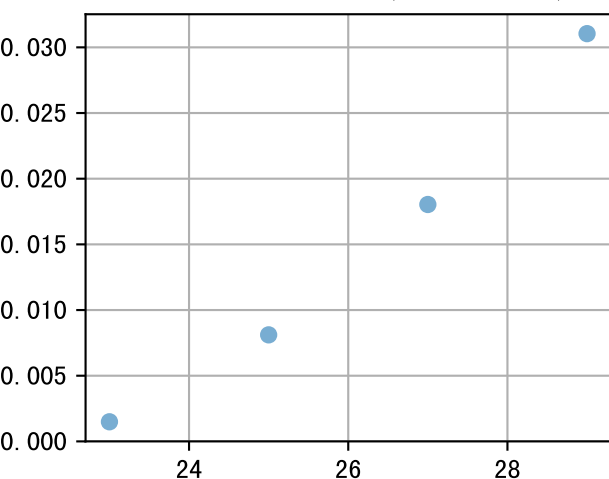
P6AE-026-25T3Fr5 (fit failed)



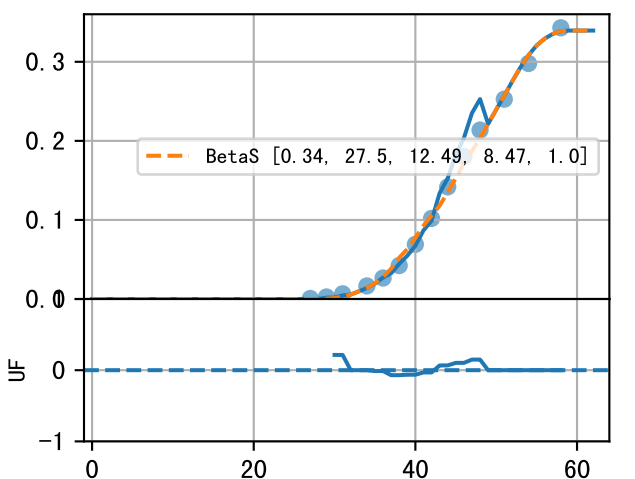
P6AE-026-25T4Fr1 (fit failed)



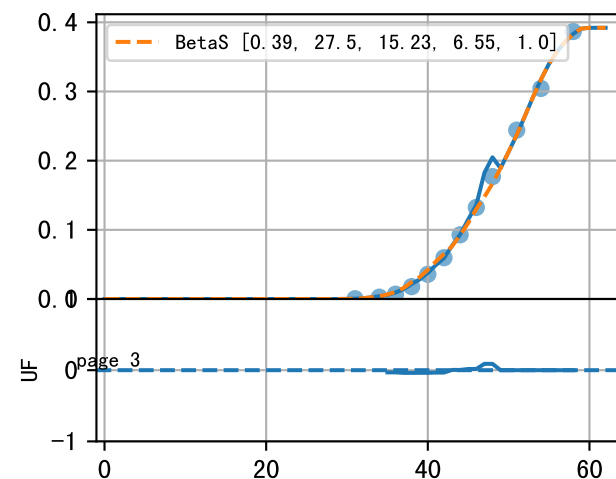
P6AE-033-4T1Fr1 (fit failed)

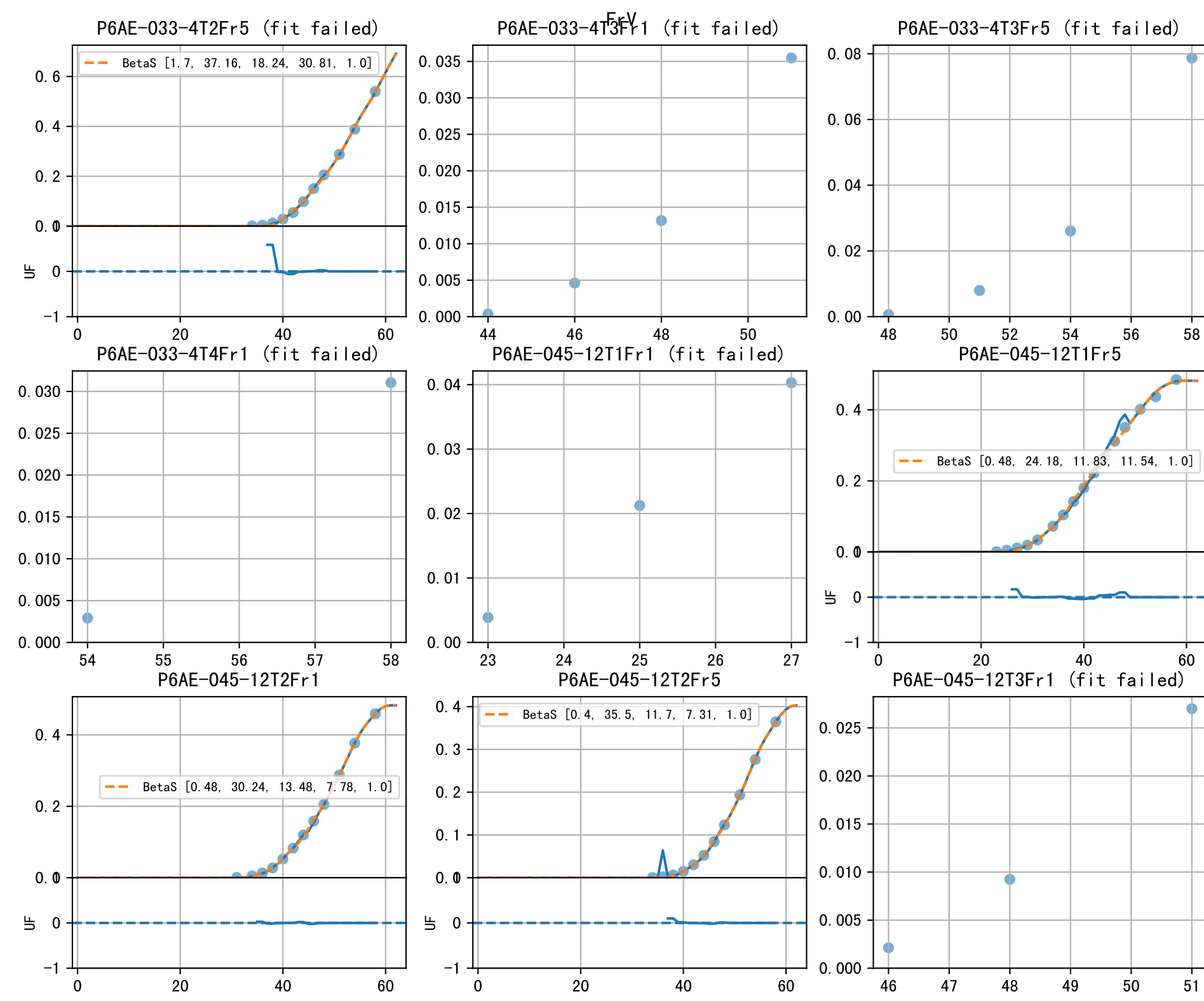


P6AE-033-4T1Fr5



P6AE-033-4T2Fr1

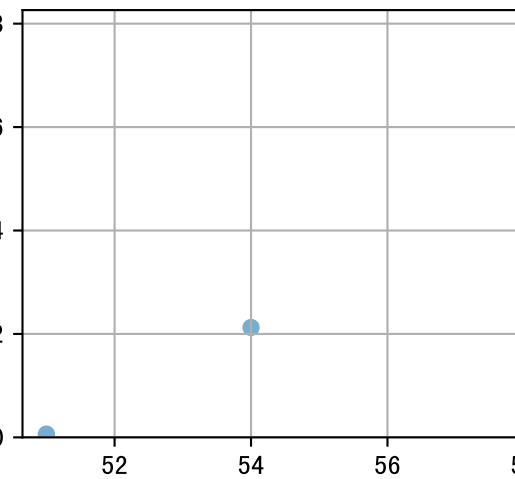


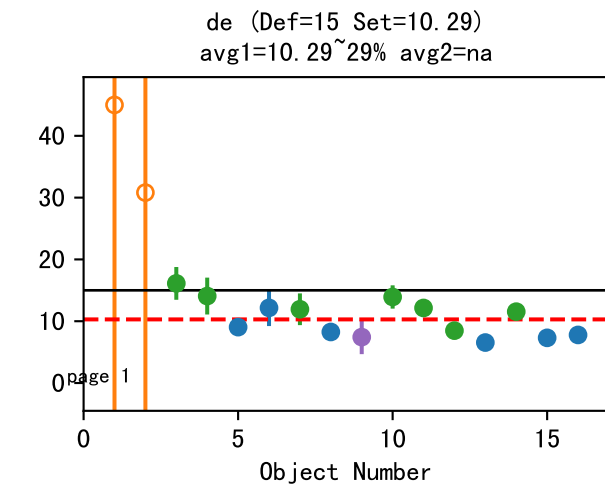
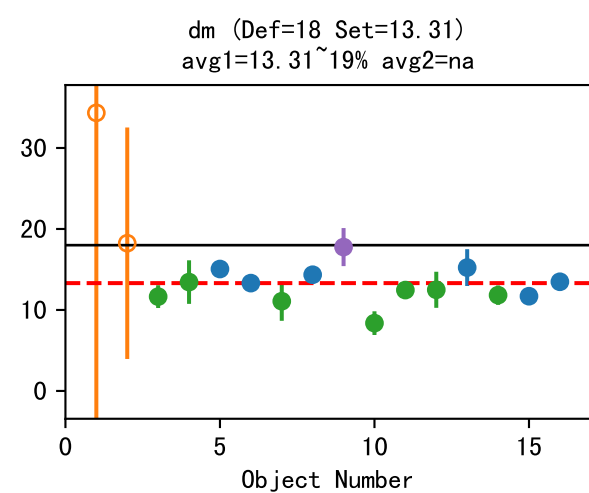
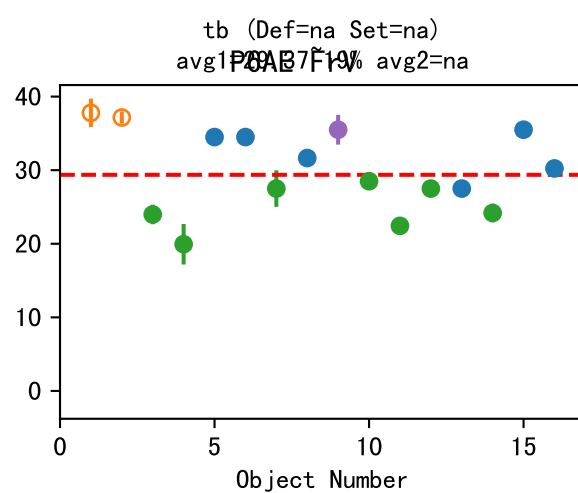
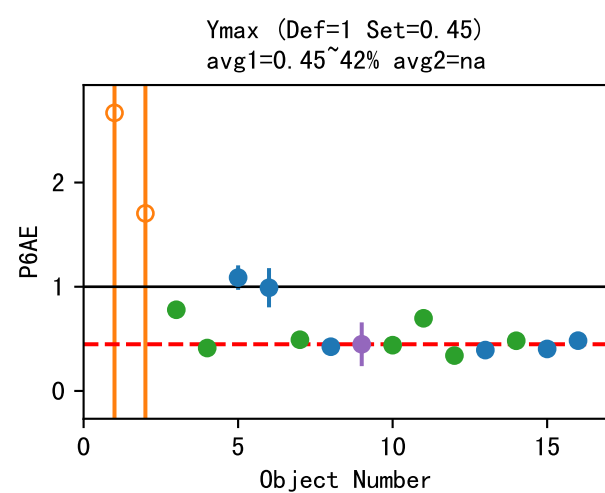


P6AE-045-12T3Fr5 (fit failed)

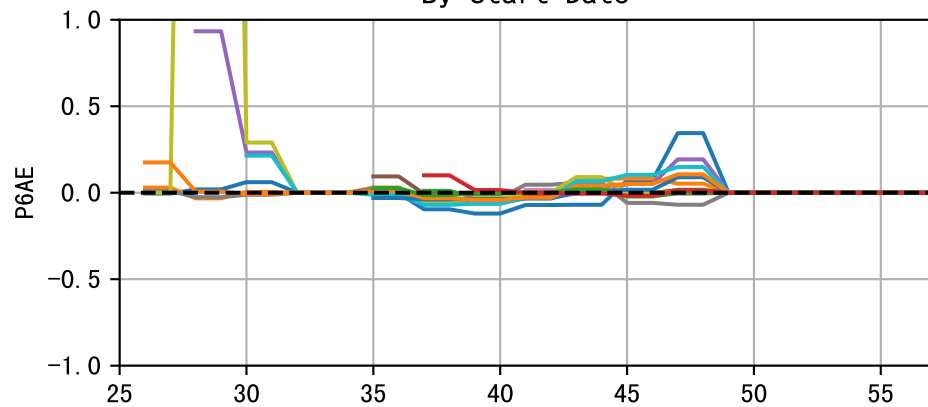


P6AE-045-12T4Fr1 (fit failed)

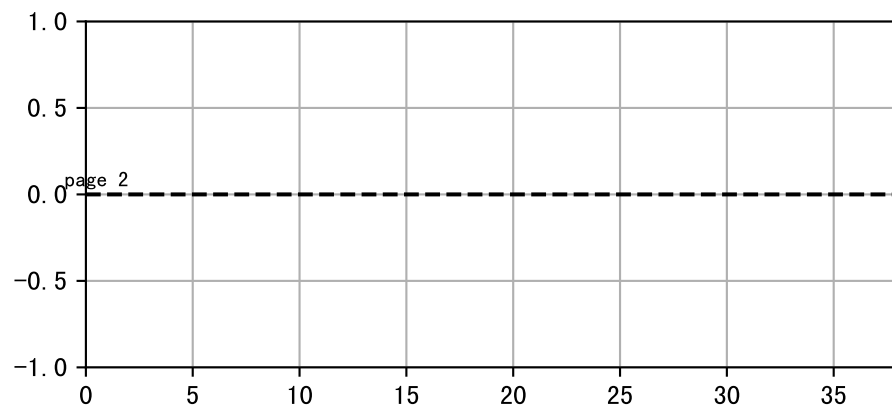
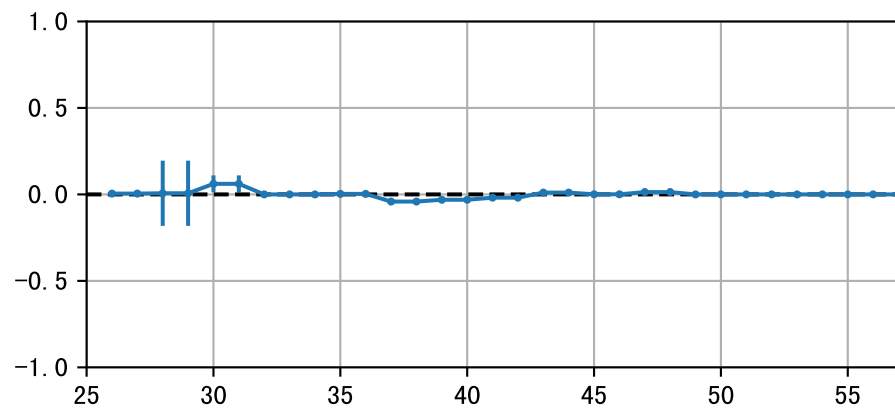
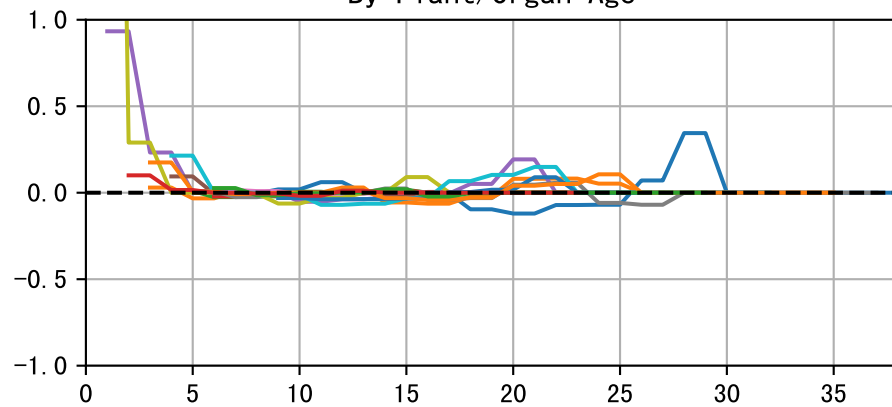


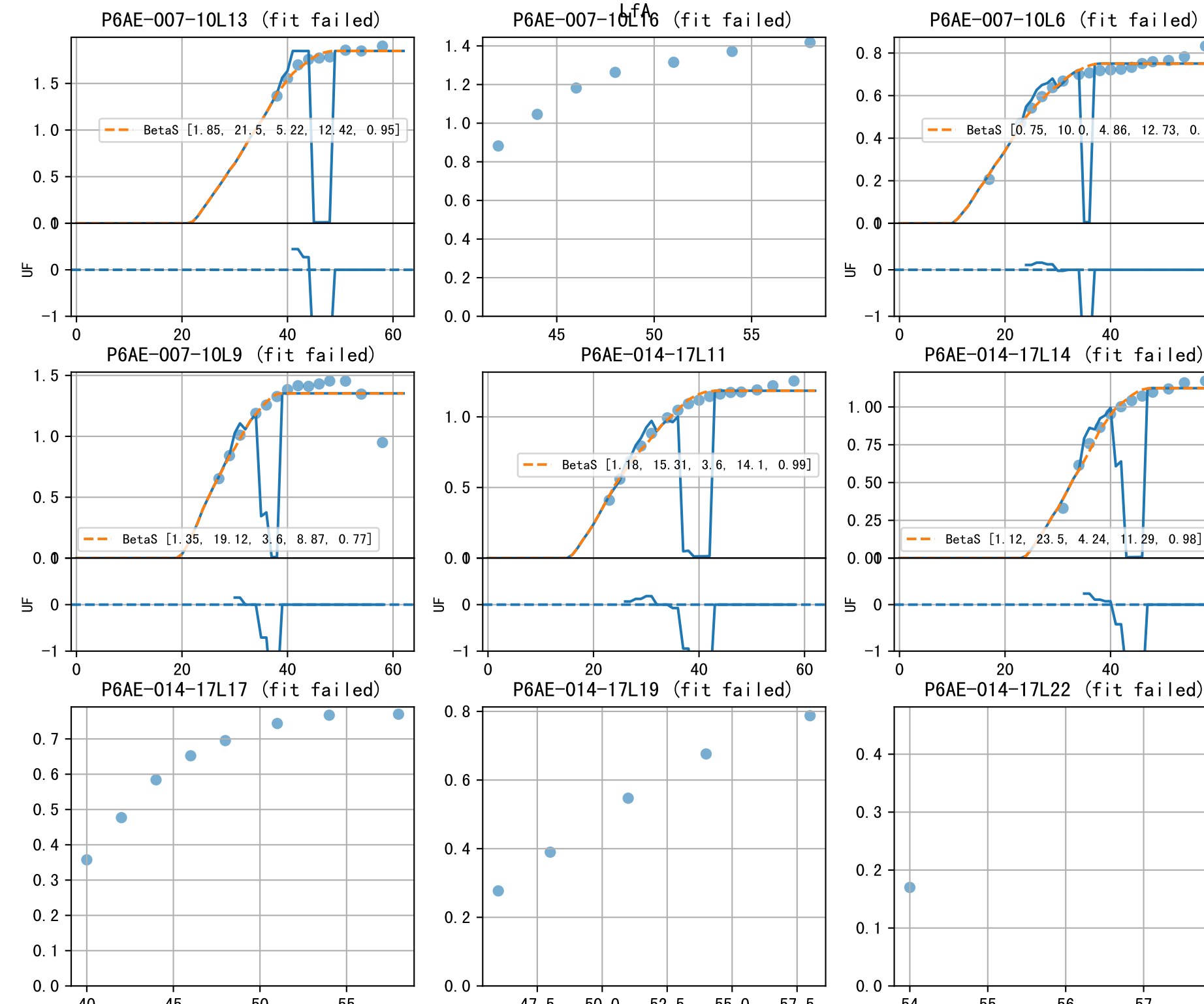


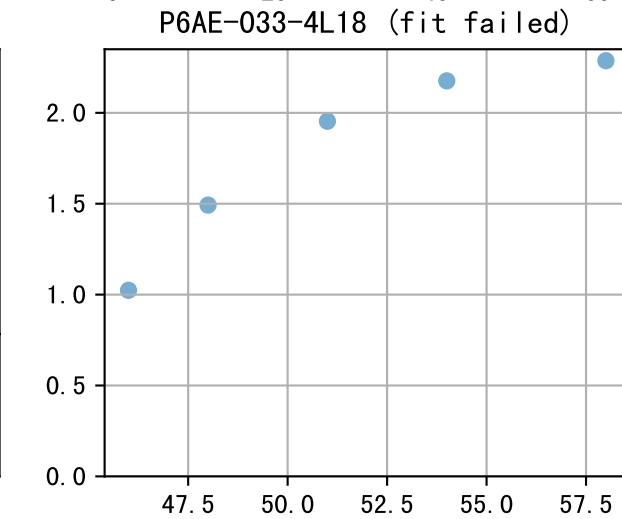
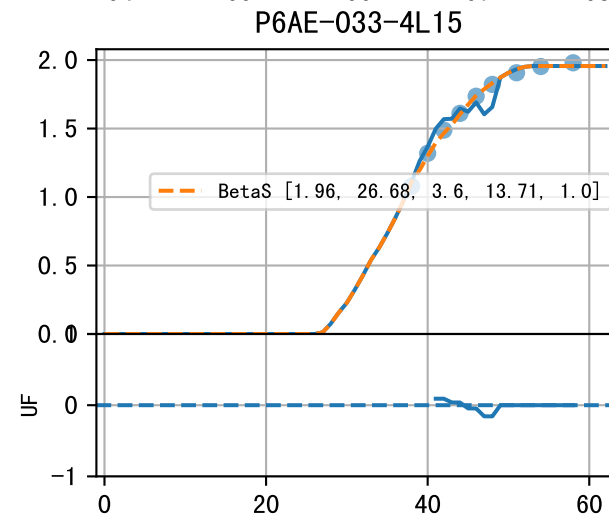
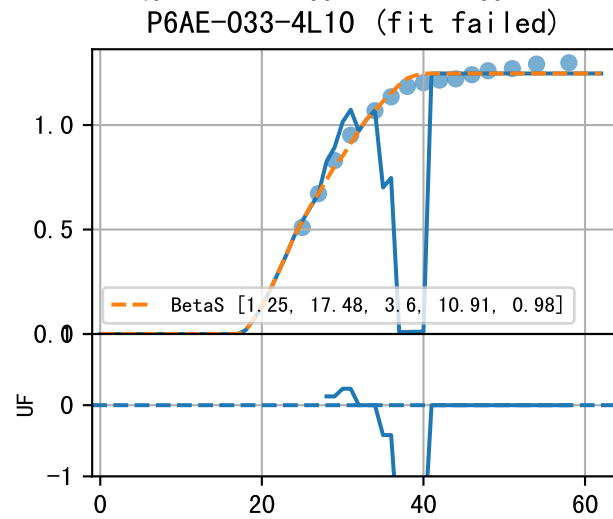
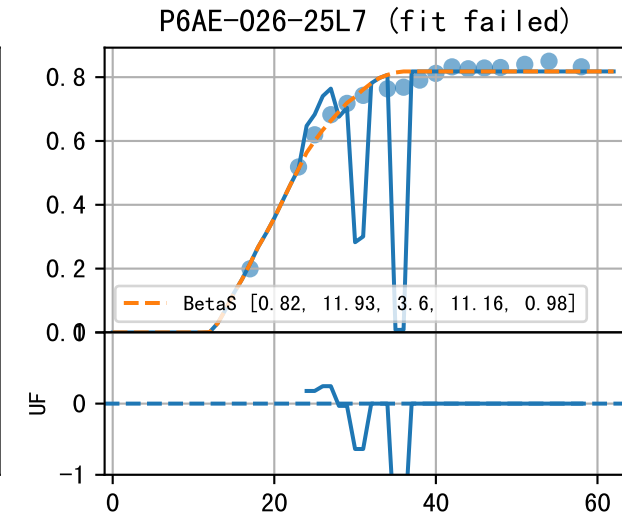
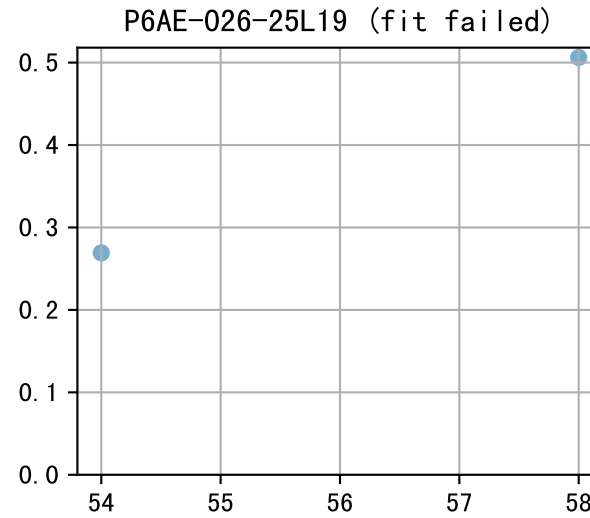
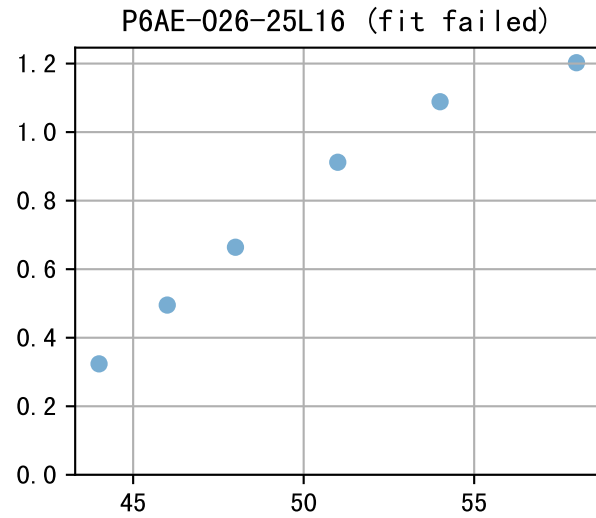
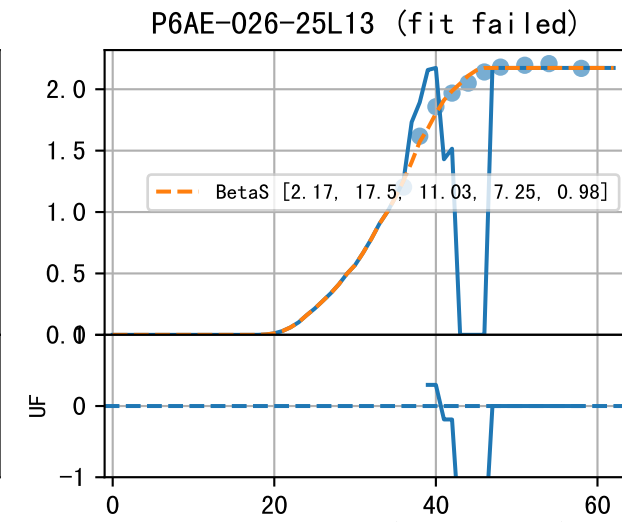
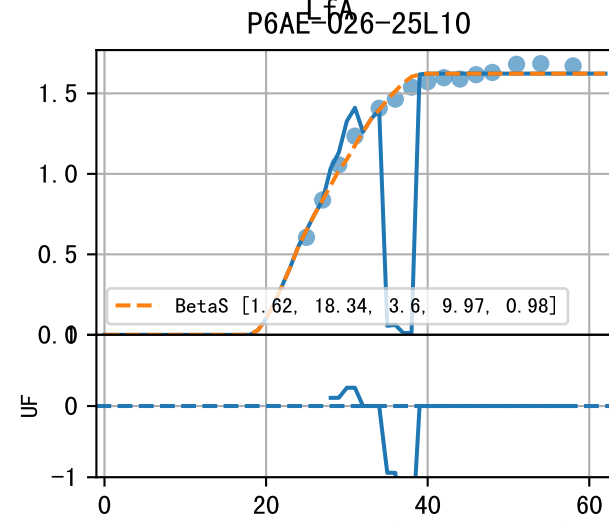
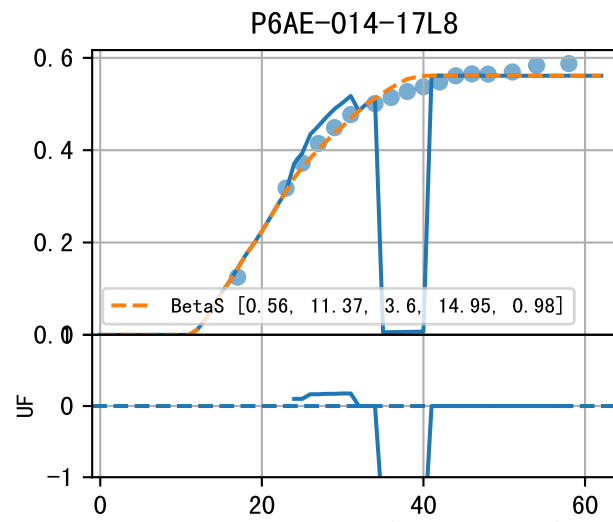
By Start Date



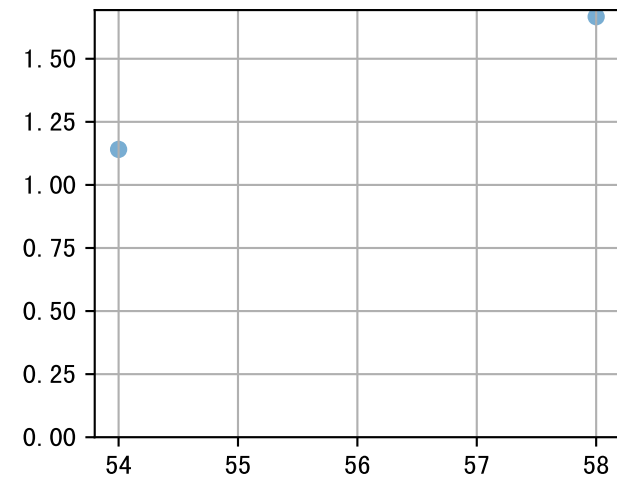
By Plant/Organ Age



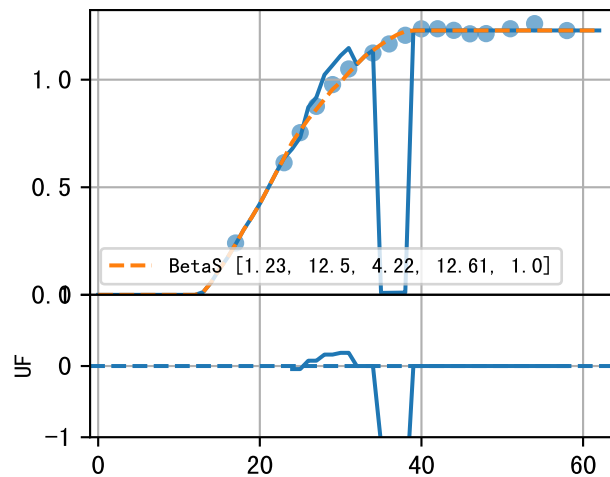




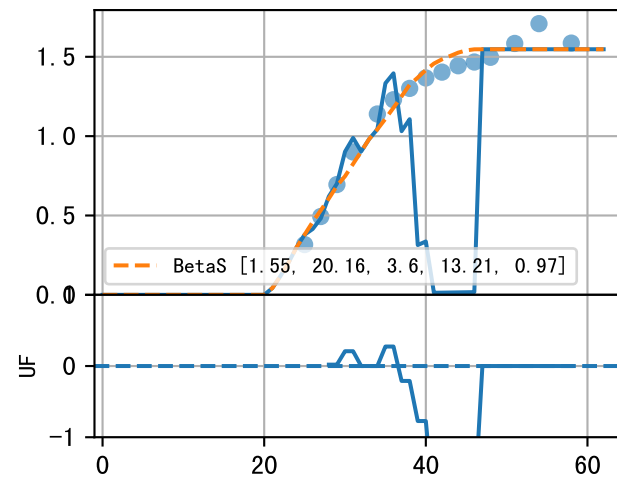
P6AE-033-4L21 (fit failed)



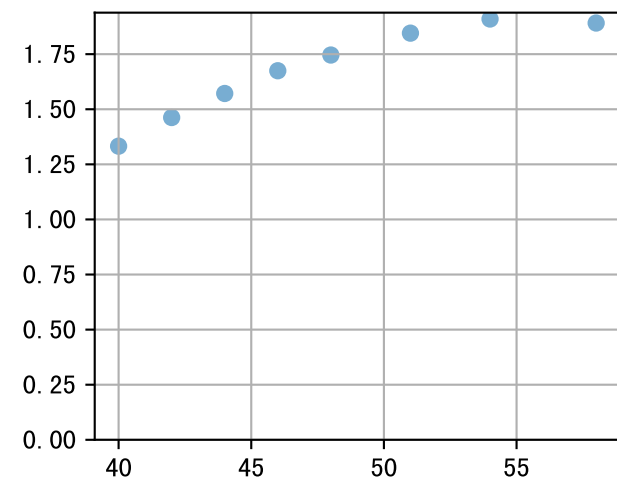
P6AE-033-4L8



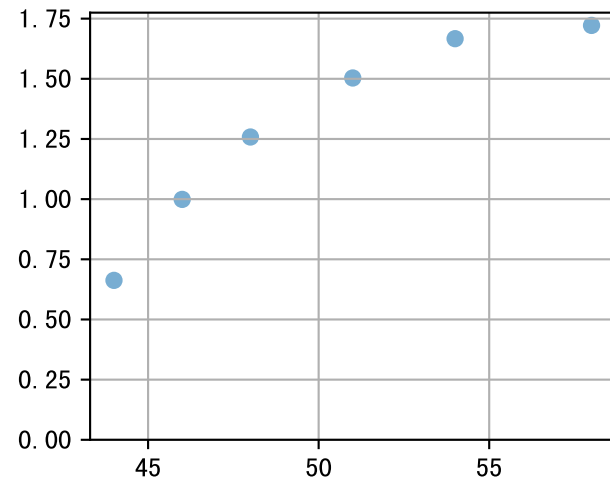
P6AE-045-12L10 (fit failed)



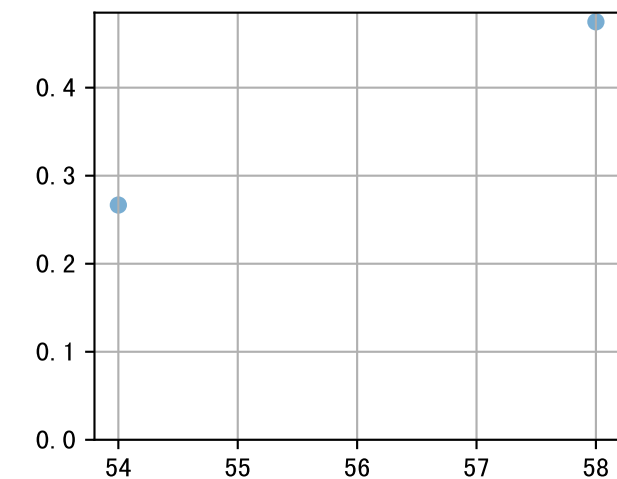
P6AE-045-12L14 (fit failed)



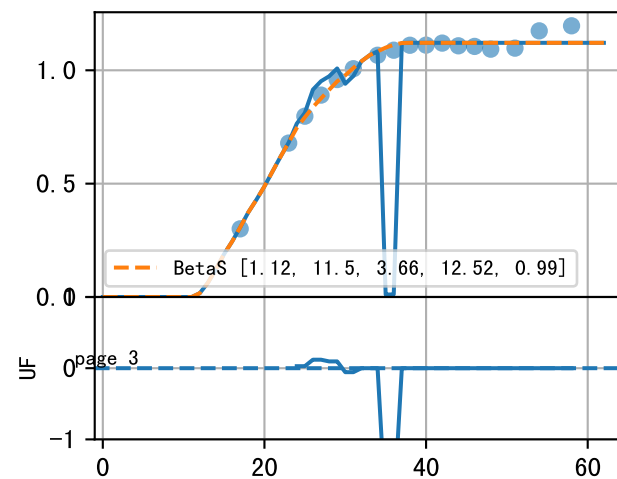
P6AE-045-12L17 (fit failed)

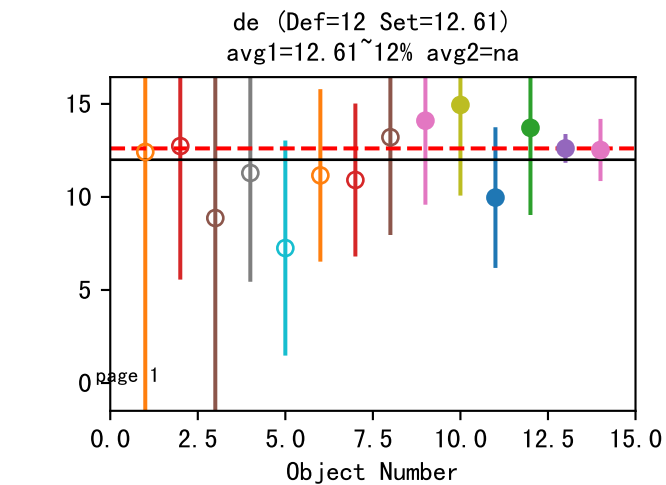
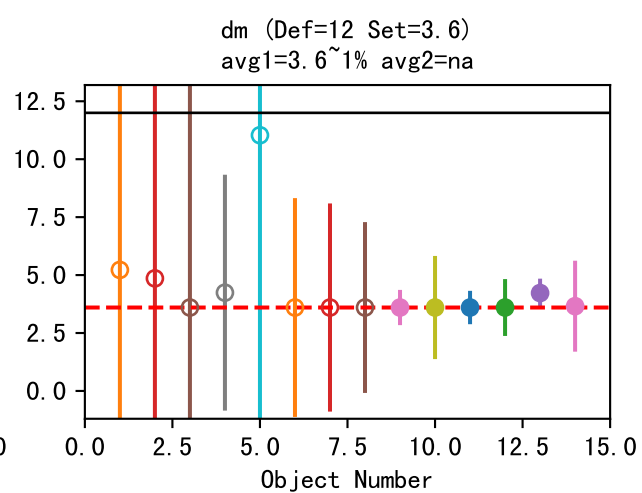
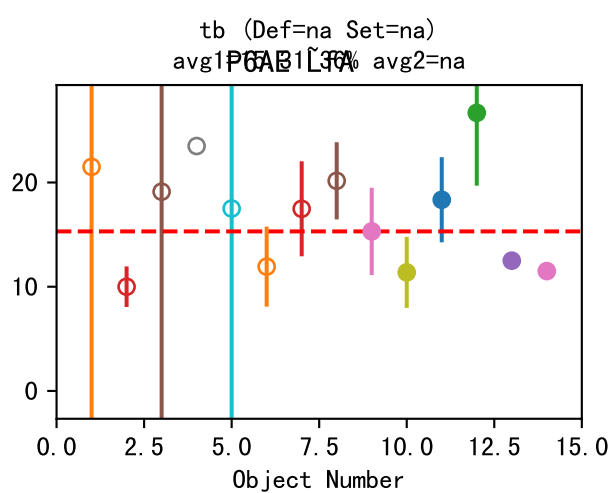
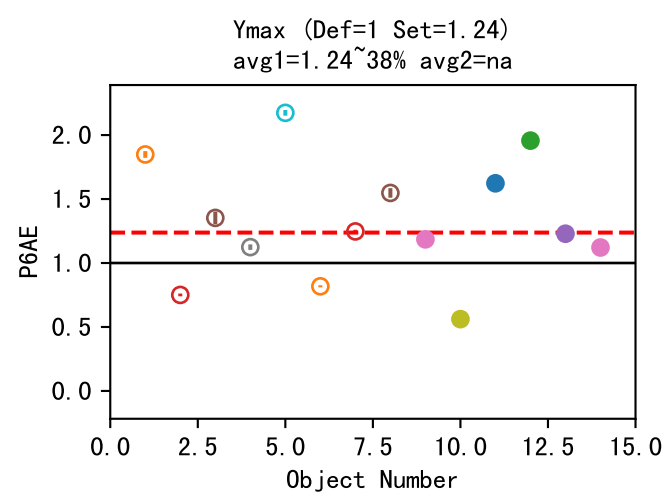


P6AE-045-12L20 (fit failed)

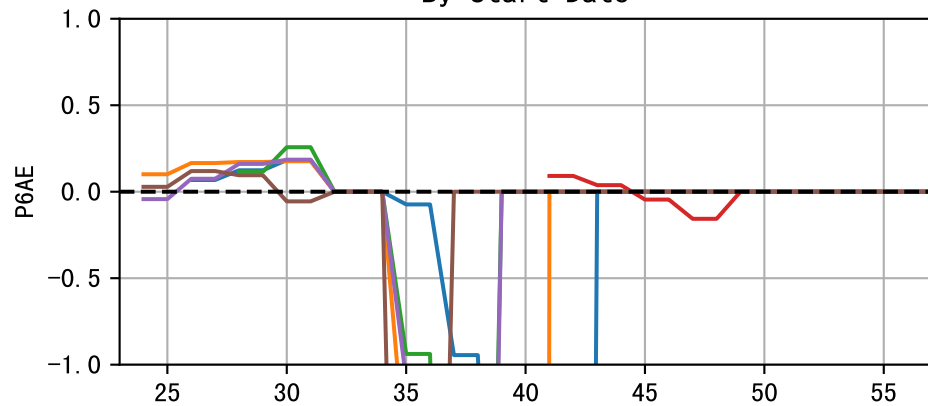


P6AE-045-12L7

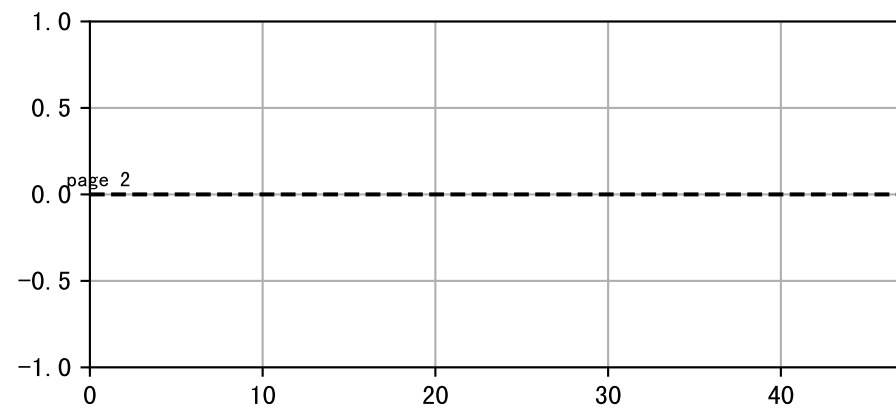
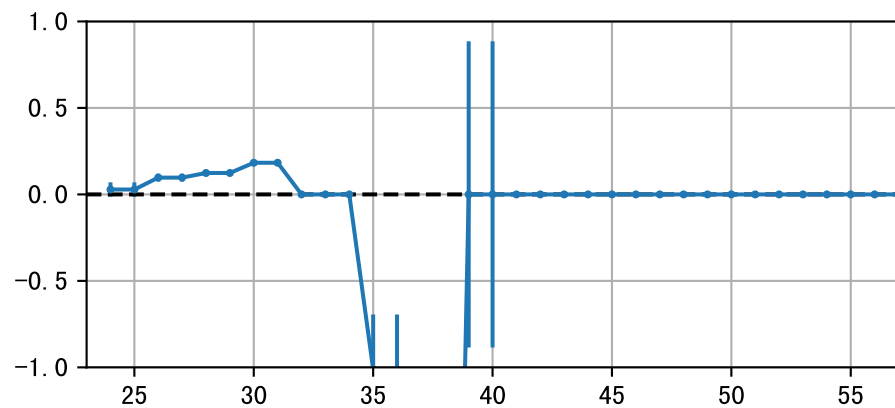
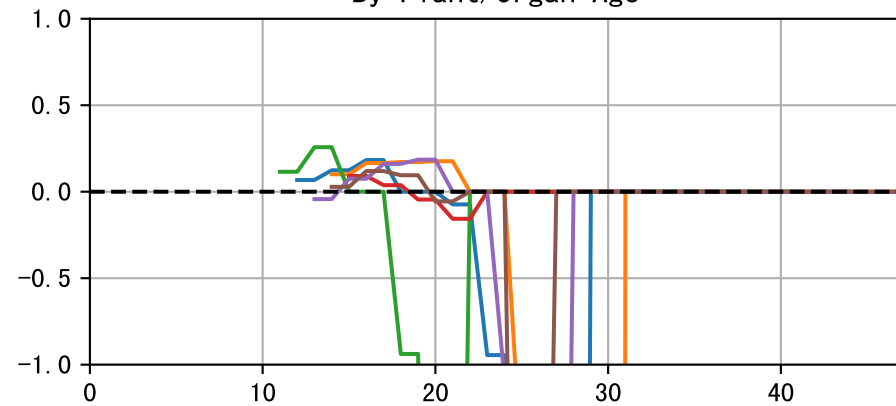


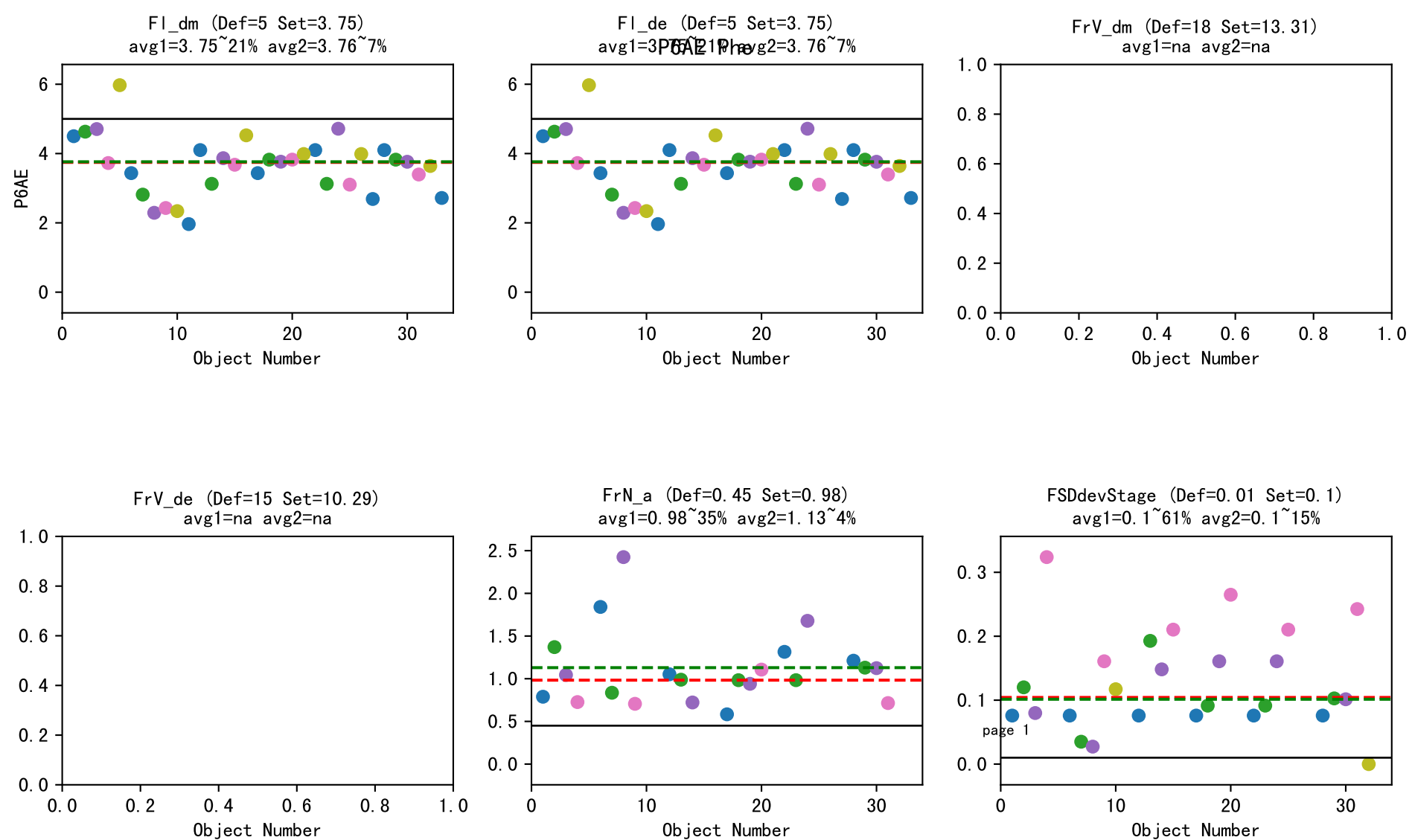


By Start Date

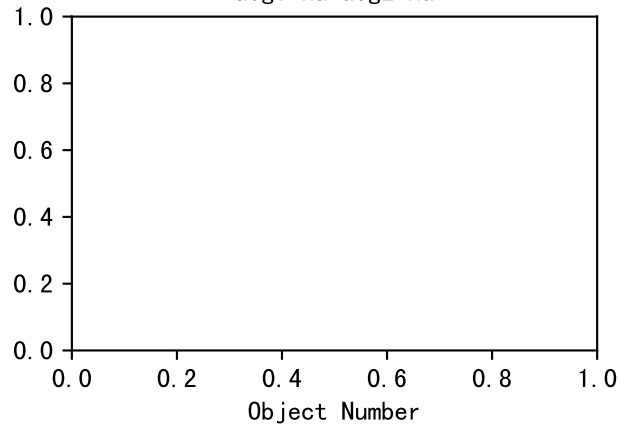


By Plant/Organ Age

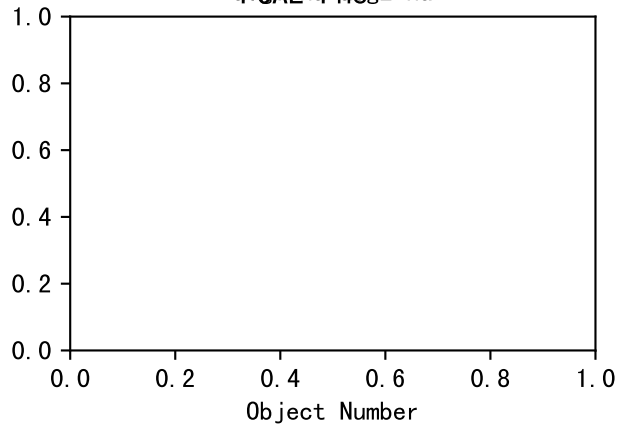




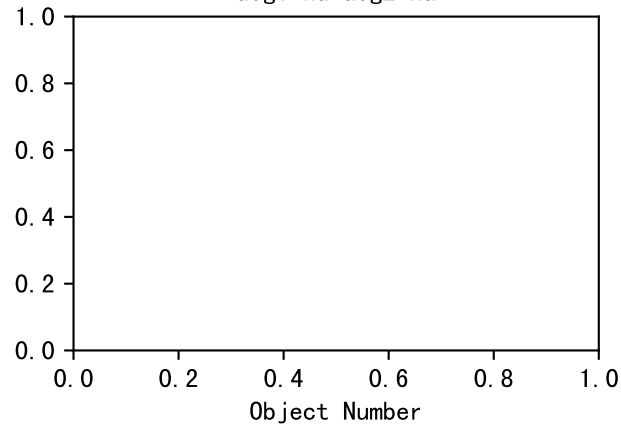
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



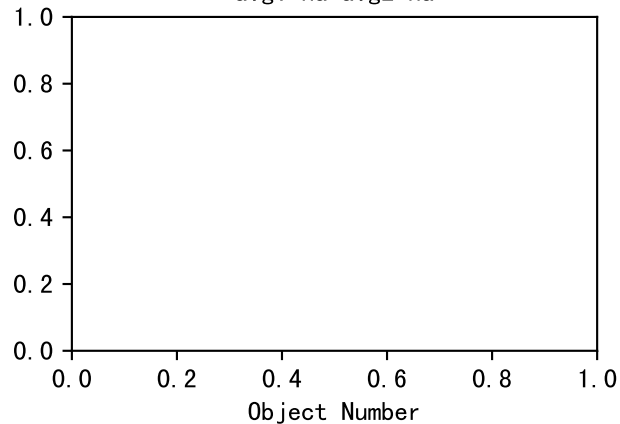
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



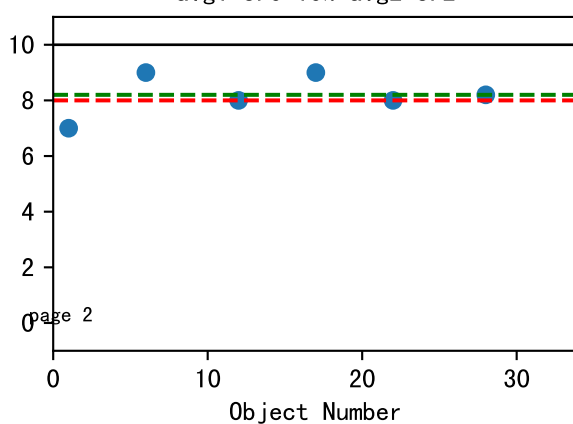
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



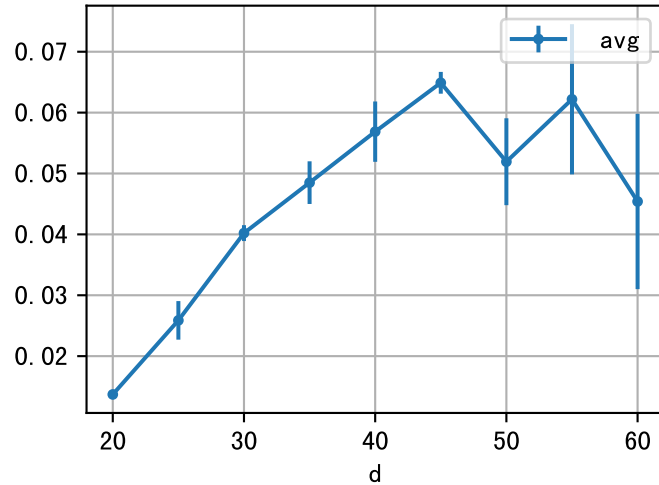
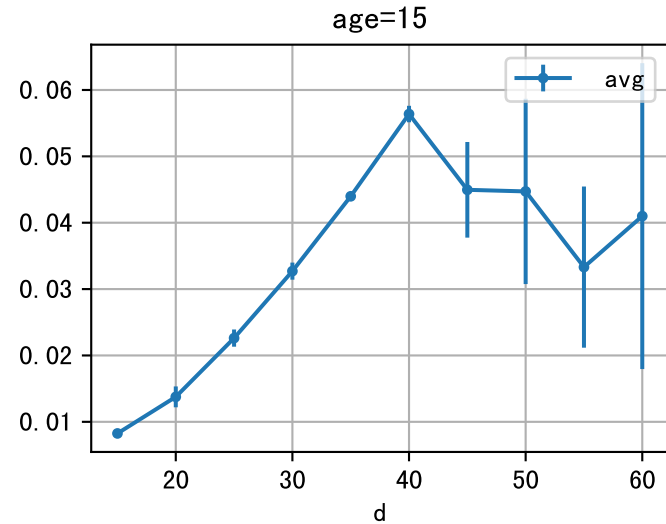
FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na



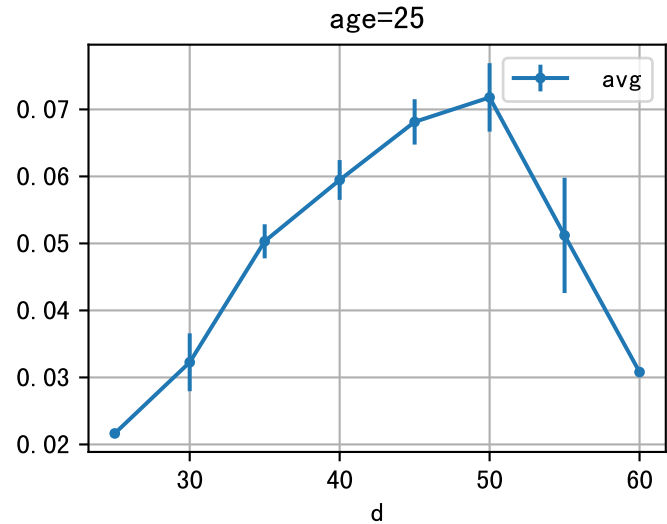
NNgen (Def=10 Set=8)
avg1=8.0~10% avg2=8.2

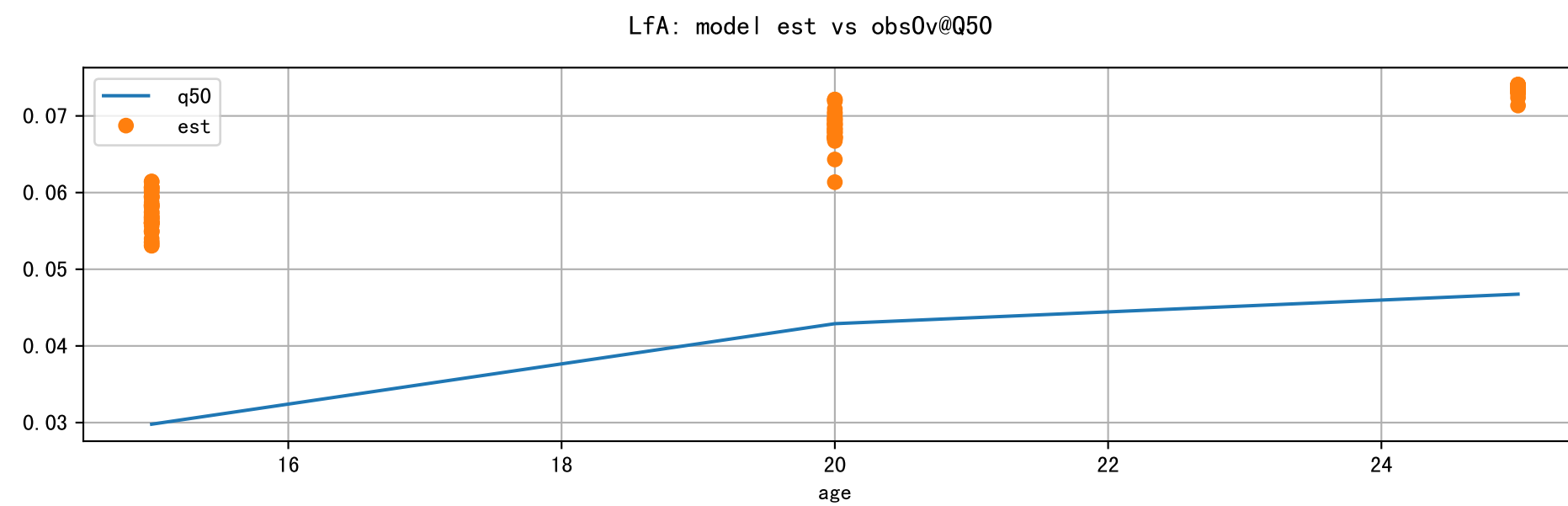


LfA: avg vs. d at each age group



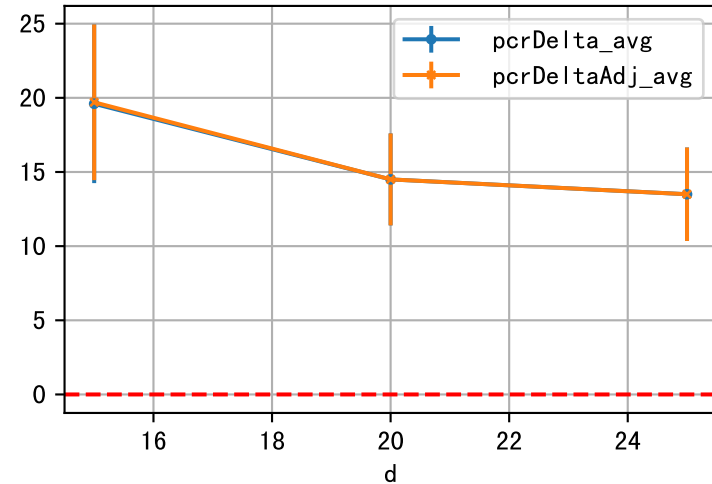
page 1



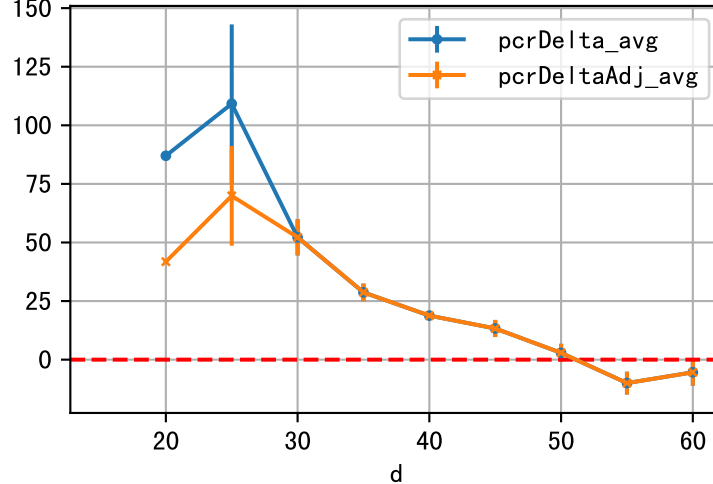


P6AE LfA: D_5d_LfA

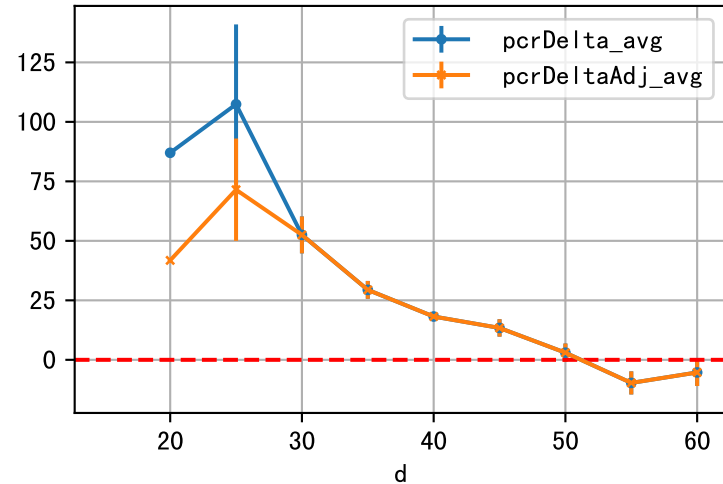
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

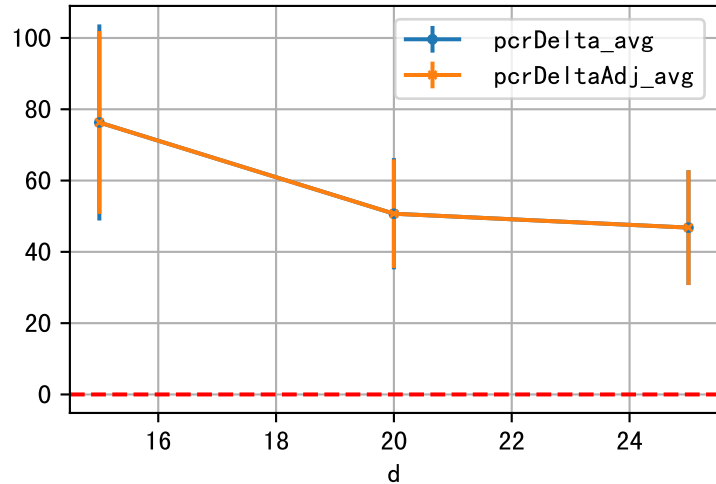


DeltaTypeAbbr=Wei AvgByD

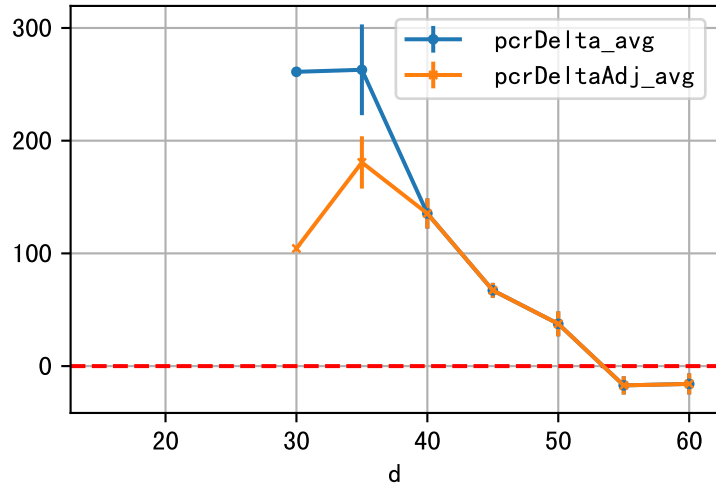


P6AE LfA: D_15d_LfA

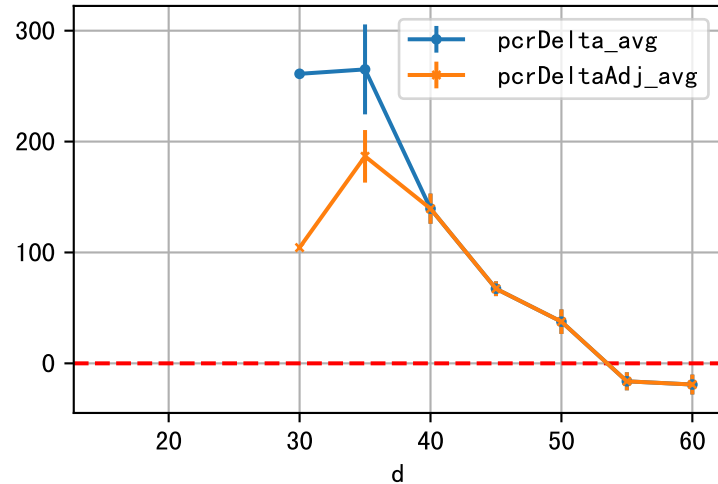
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

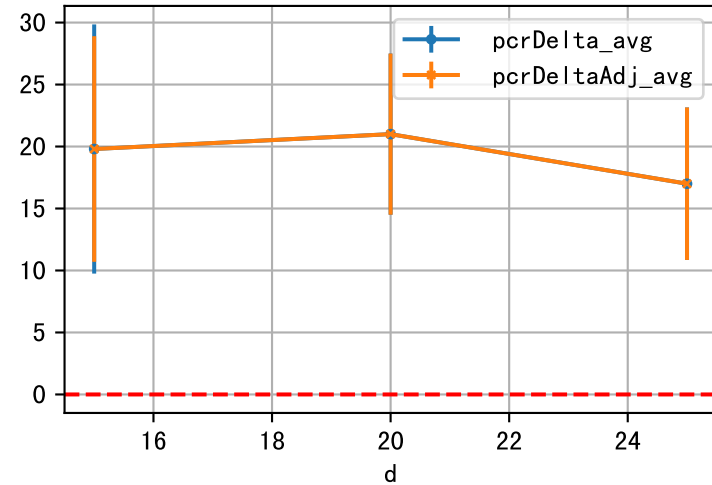


DeltaTypeAbbr=Wei AvgByD

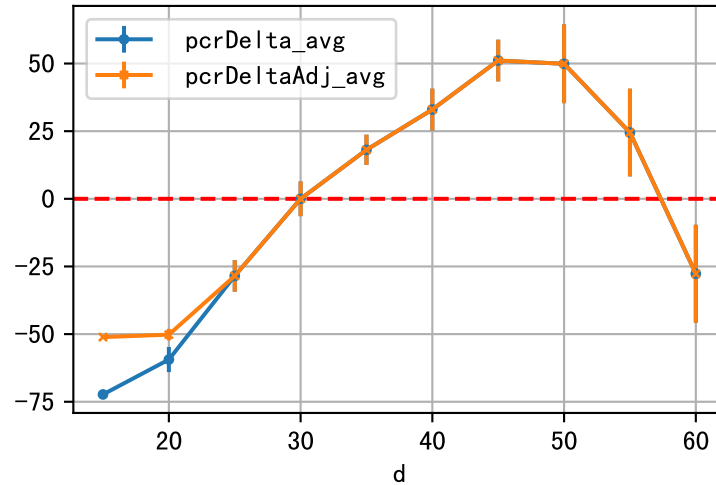


P6AE LfA: D_Q50_LfA

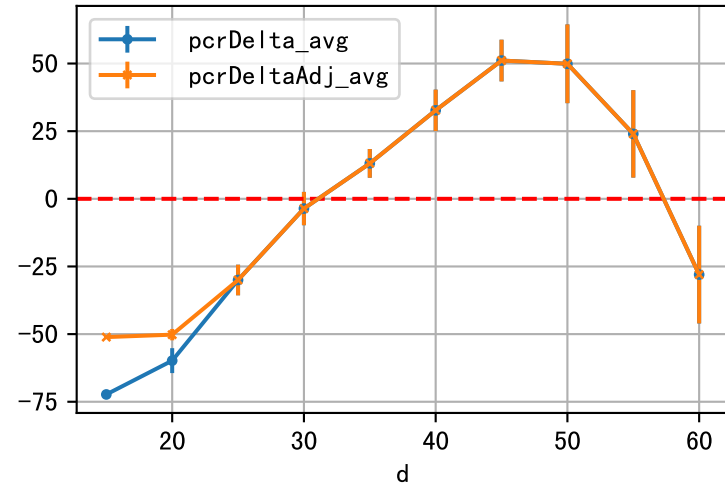
DeltaTypeAbbr=GrpByAge



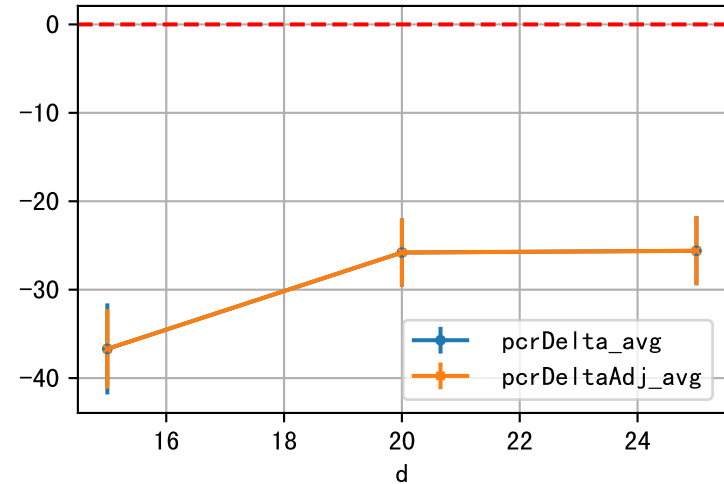
DeltaTypeAbbr=GrpByDay



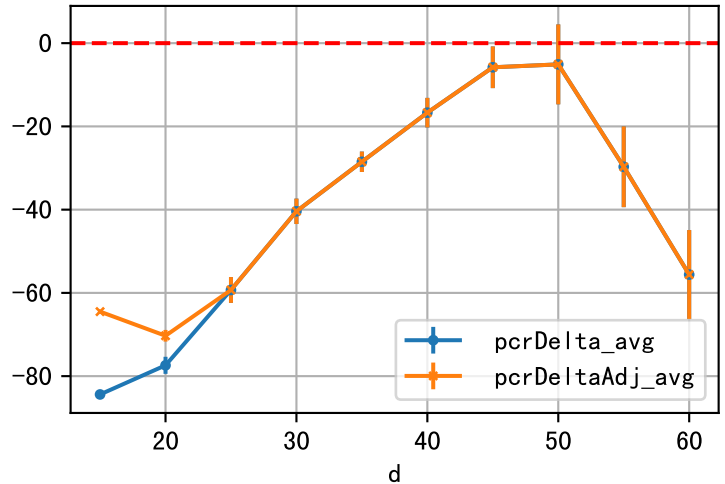
DeltaTypeAbbr=Wei AvgByD



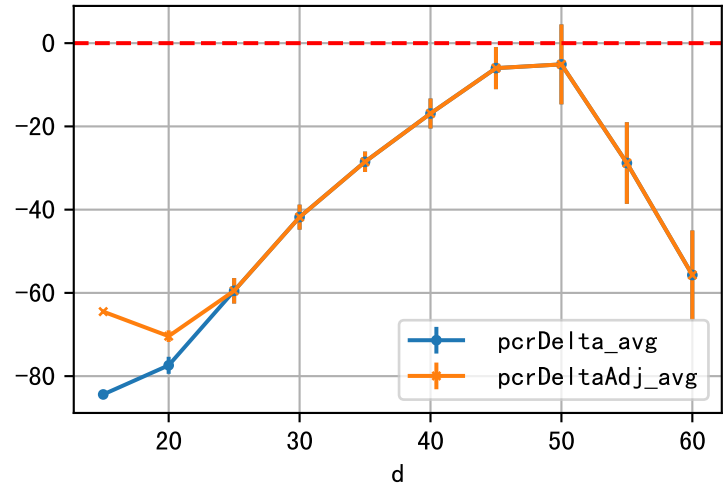
DeltaTypeAbbr=GrpByAge



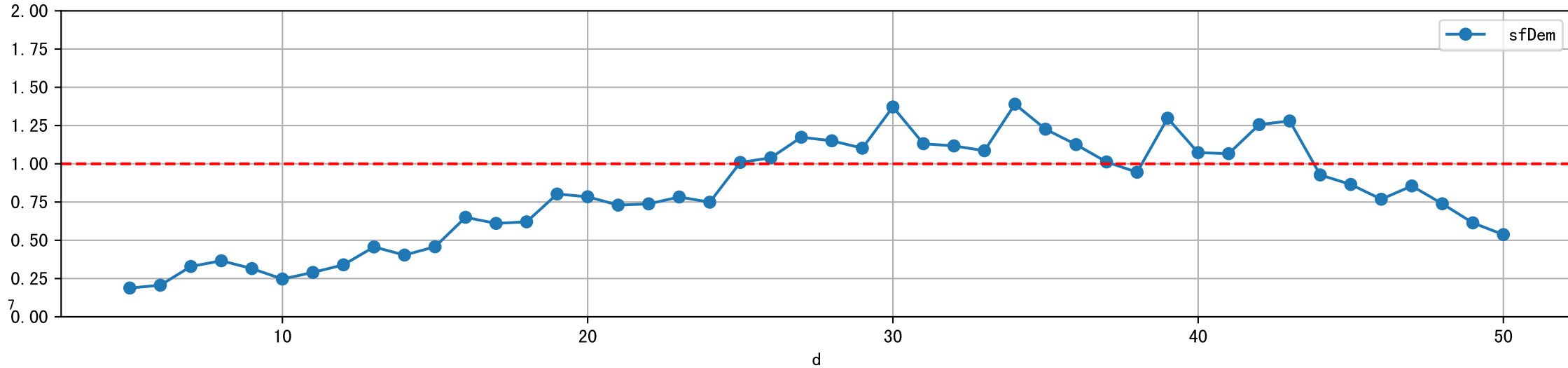
DeltaTypeAbbr=GrpByDay

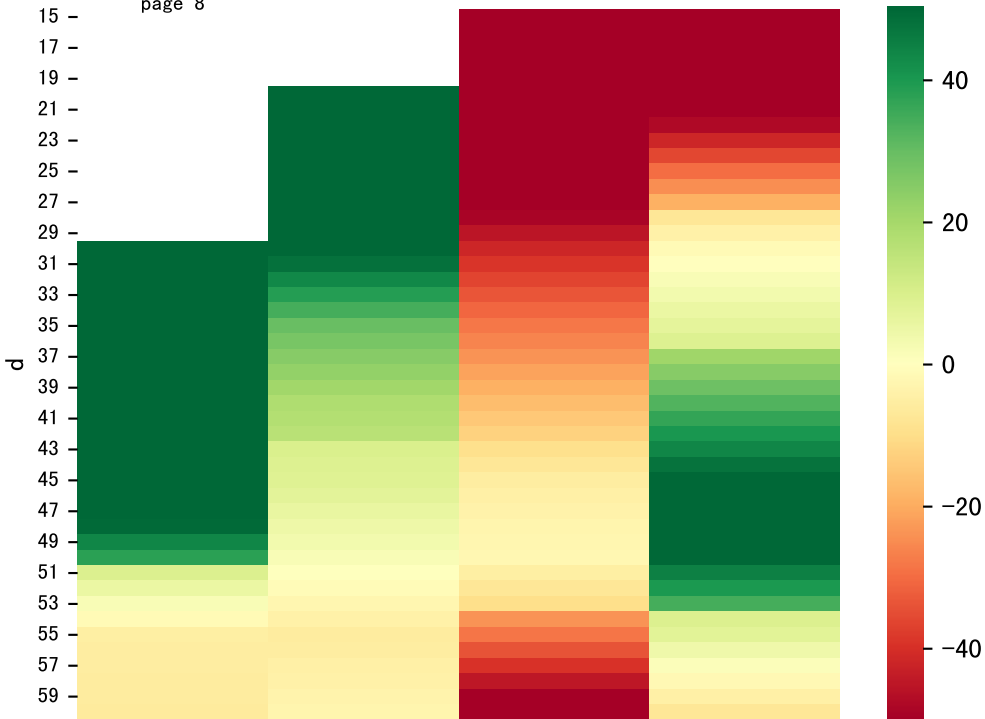


DeltaTypeAbbr=Wei AvgByD



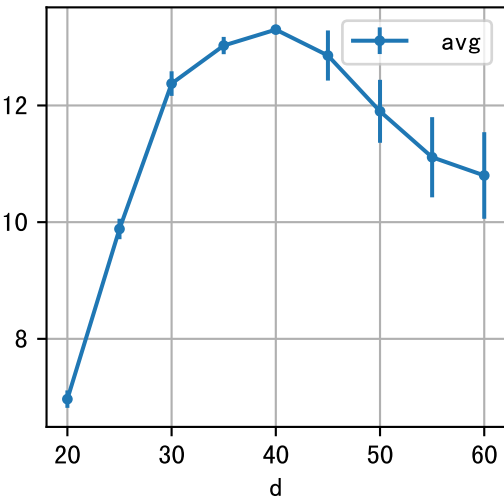
LfA: sfDem



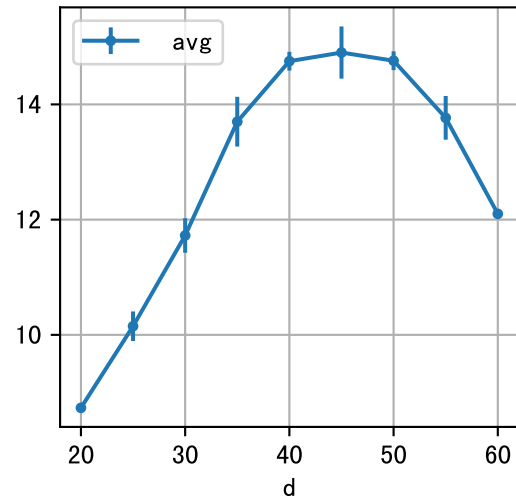


NdD: avg vs. d at each age group

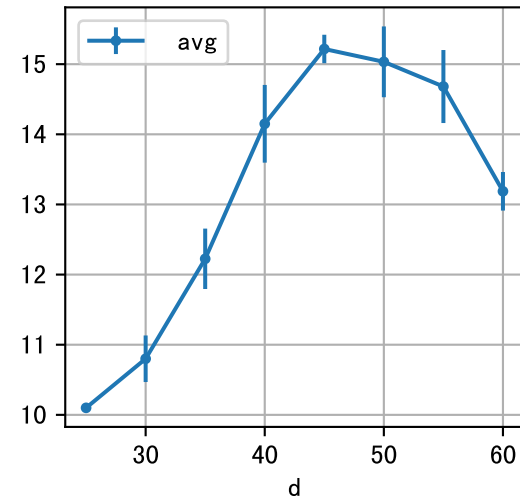
age=15



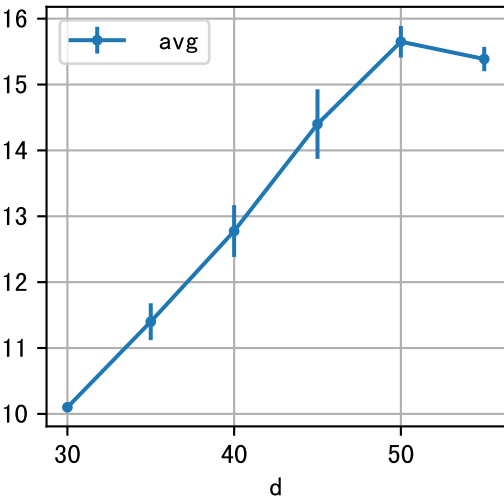
age=20



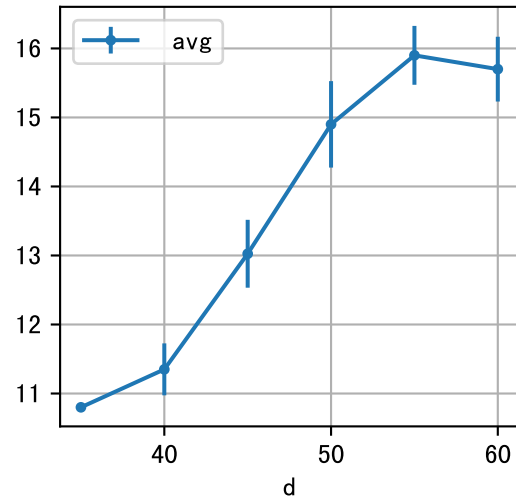
age=25



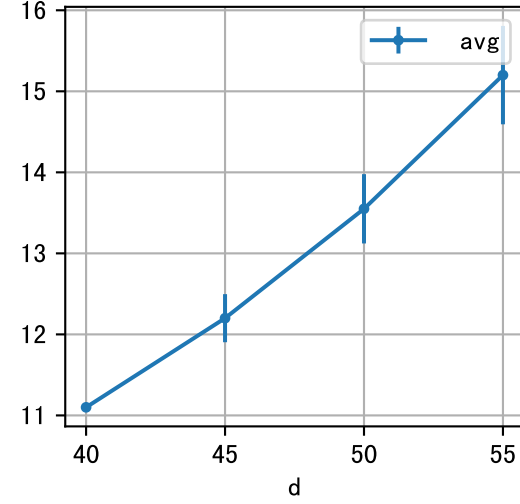
age=30



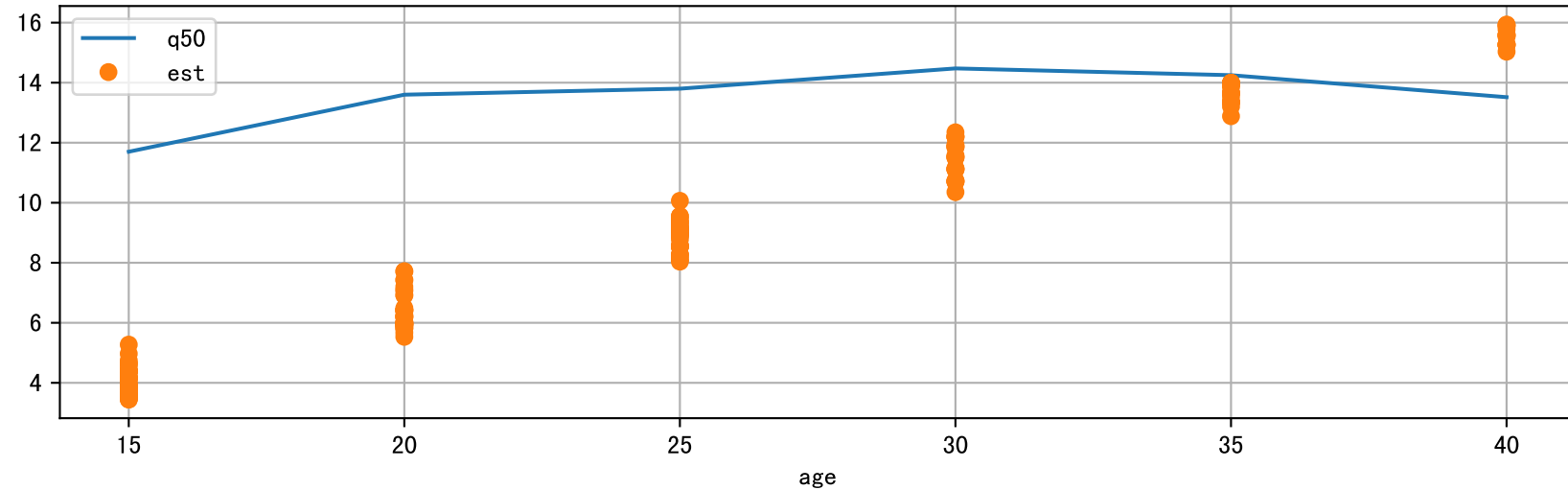
age=35



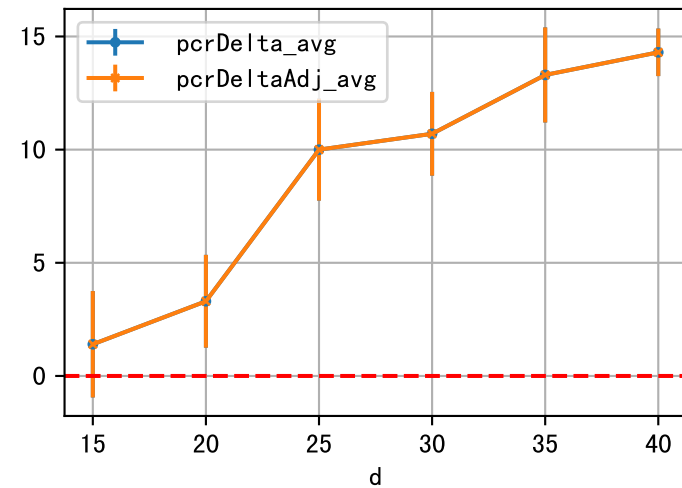
age=40



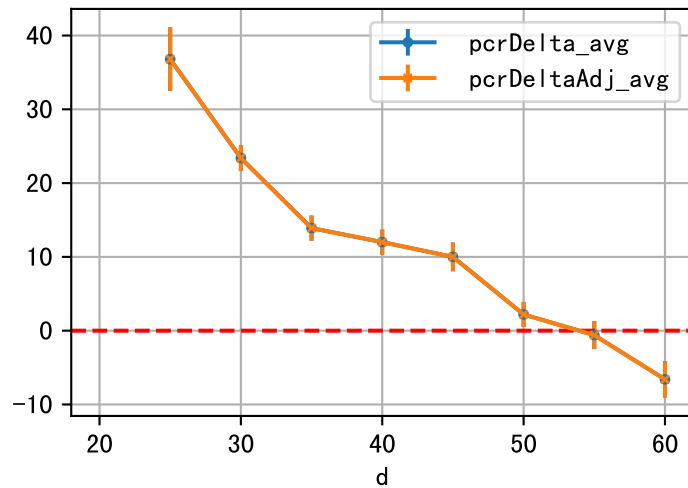
NdD: model est vs obs0v@Q50



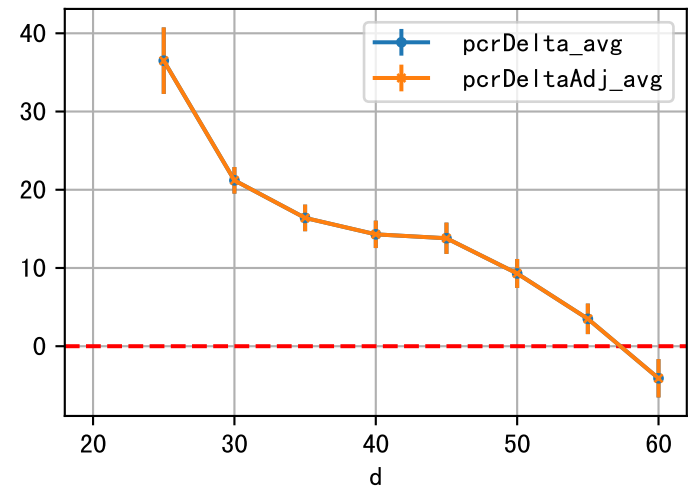
DeltaTypeAbbr=GrpByAge



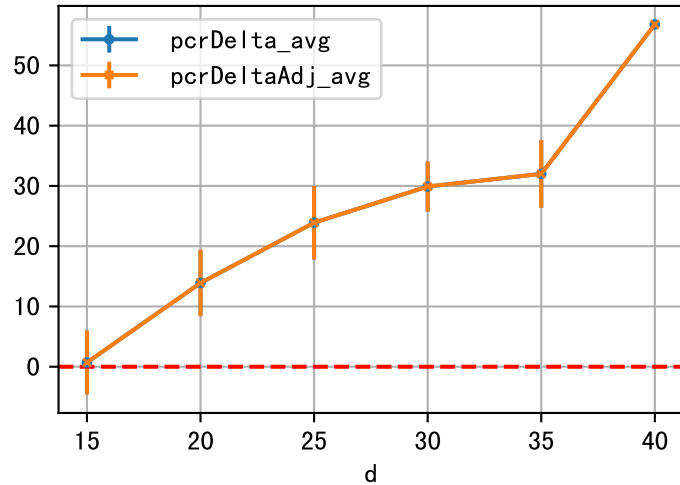
DeltaTypeAbbr=GrpByDay



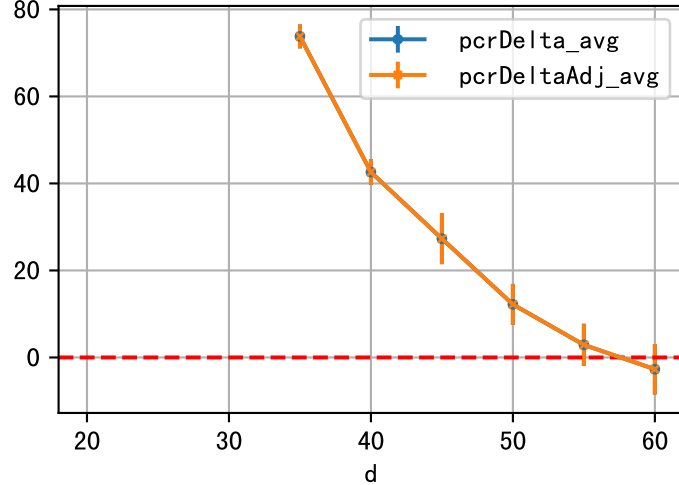
DeltaTypeAbbr=Wei AvgByD



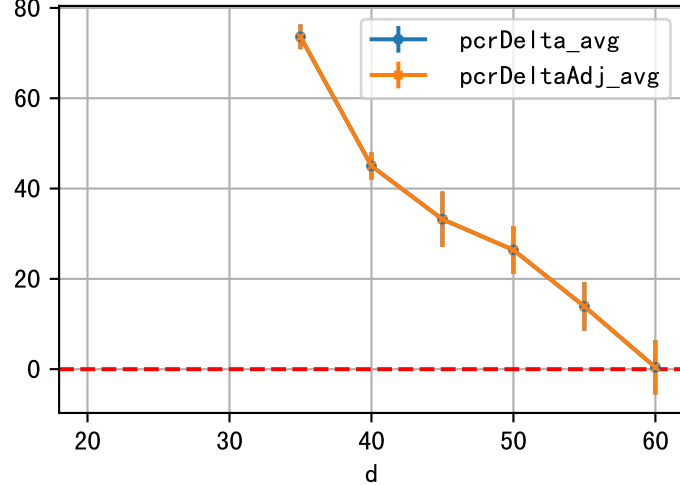
DeltaTypeAbbr=GrpByAge



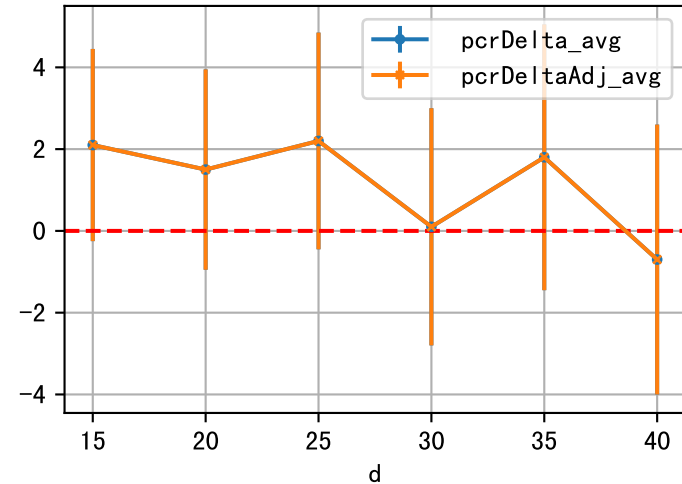
DeltaTypeAbbr=GrpByDay



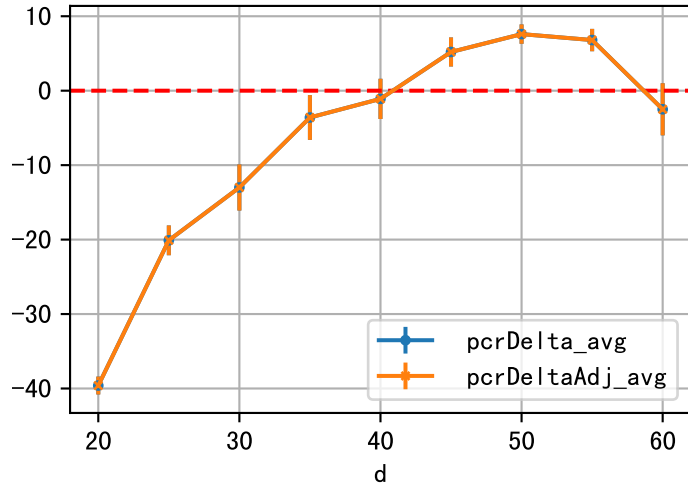
DeltaTypeAbbr=Wei AvgByD



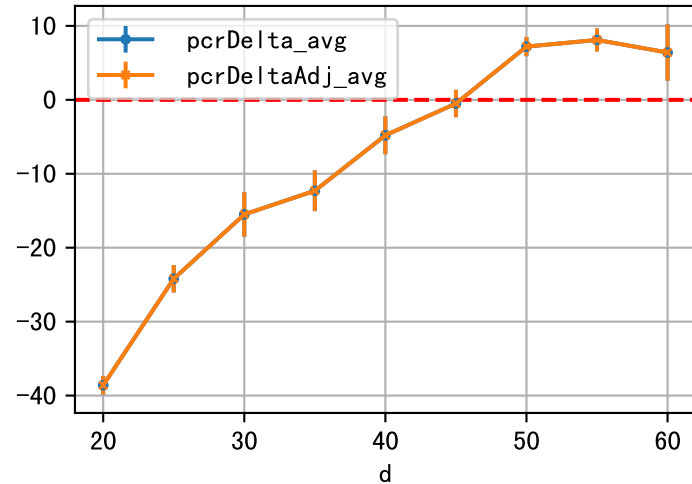
DeltaTypeAbbr=GrpByAge



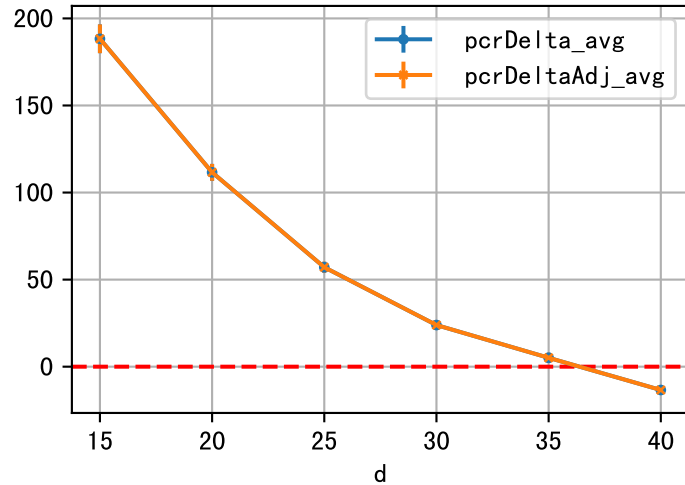
DeltaTypeAbbr=GrpByDay



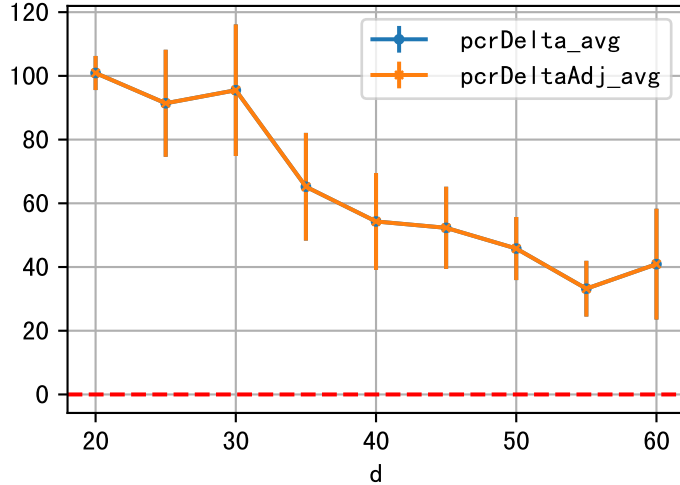
DeltaTypeAbbr=Wei AvgByD



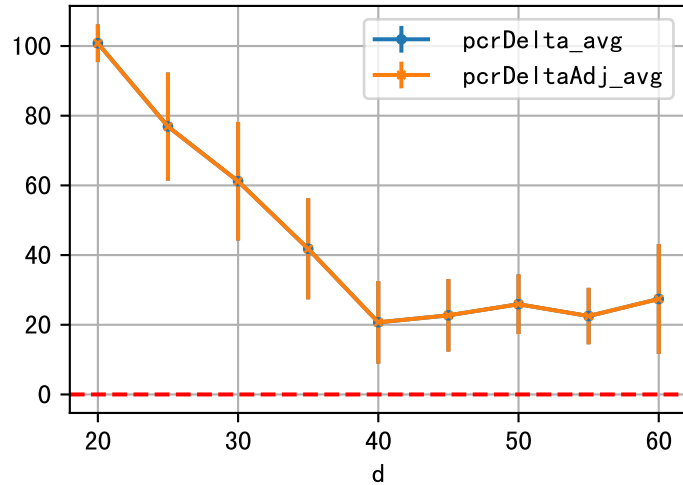
DeltaTypeAbbr=GrpByAge



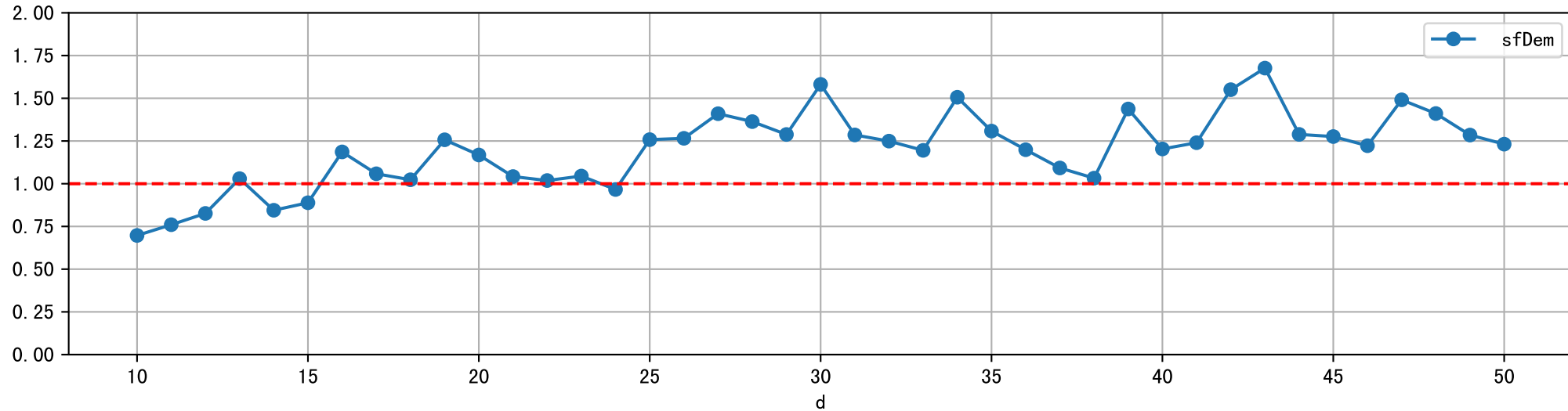
DeltaTypeAbbr=GrpByDay

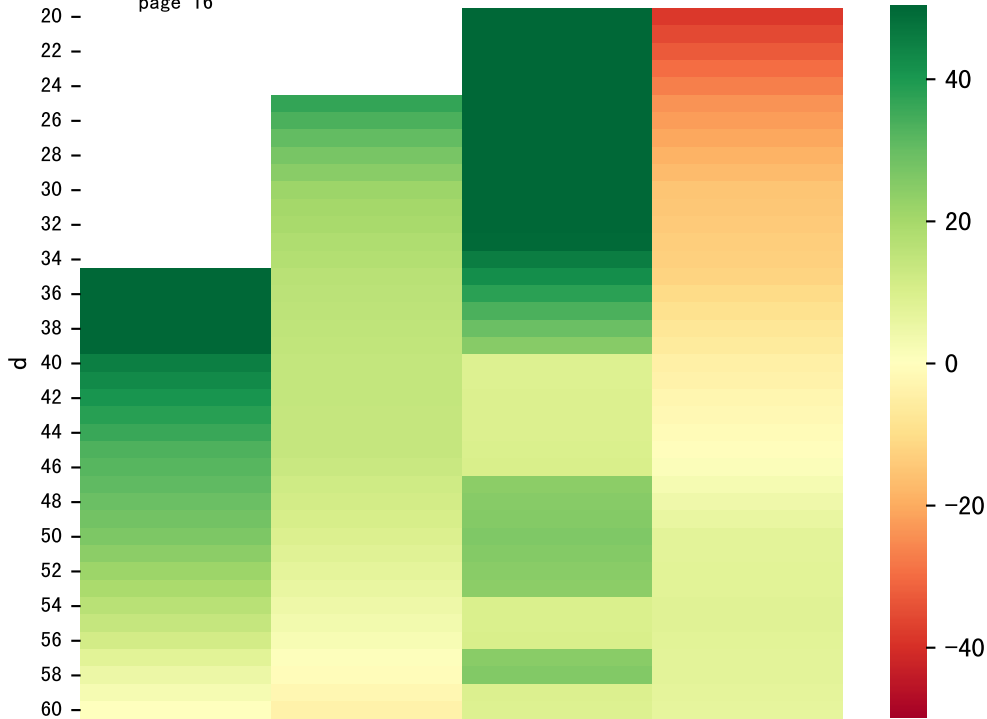


DeltaTypeAbbr=Wei AvgByD

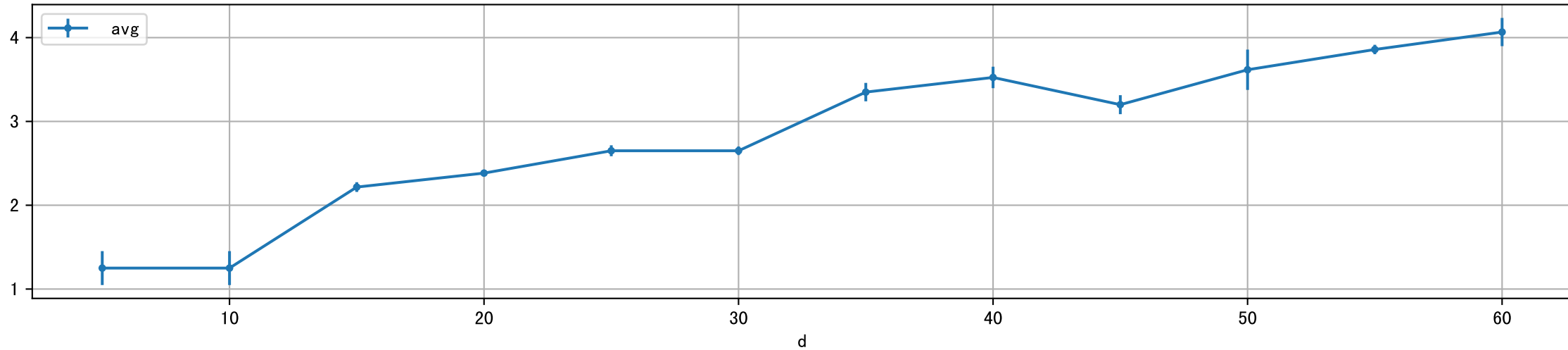


NdD: sfDem

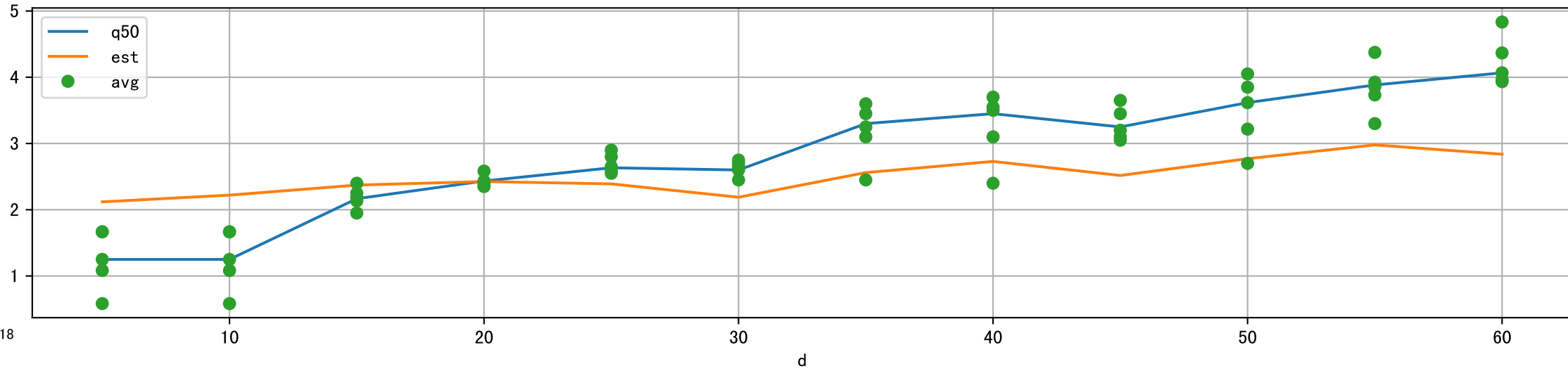




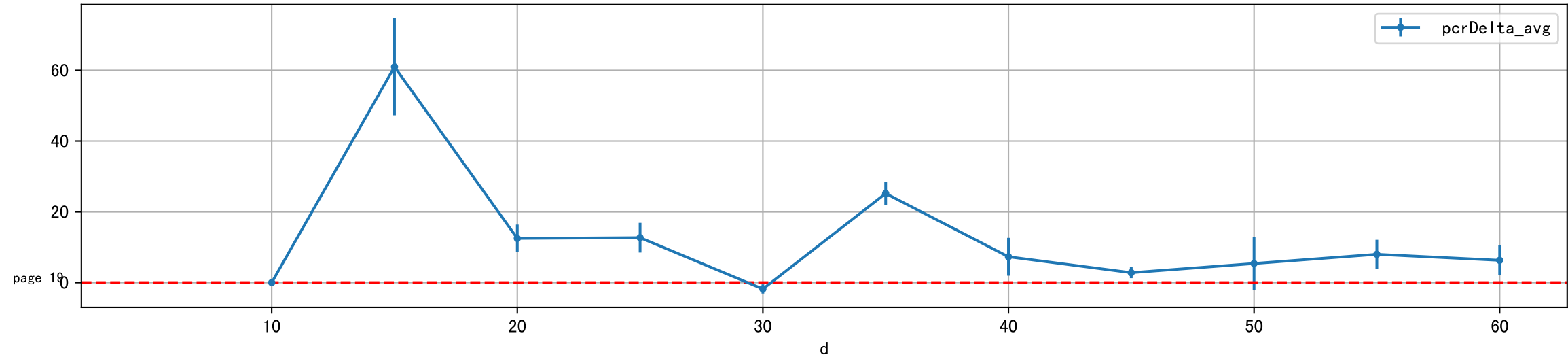
dStH: avg vs. d



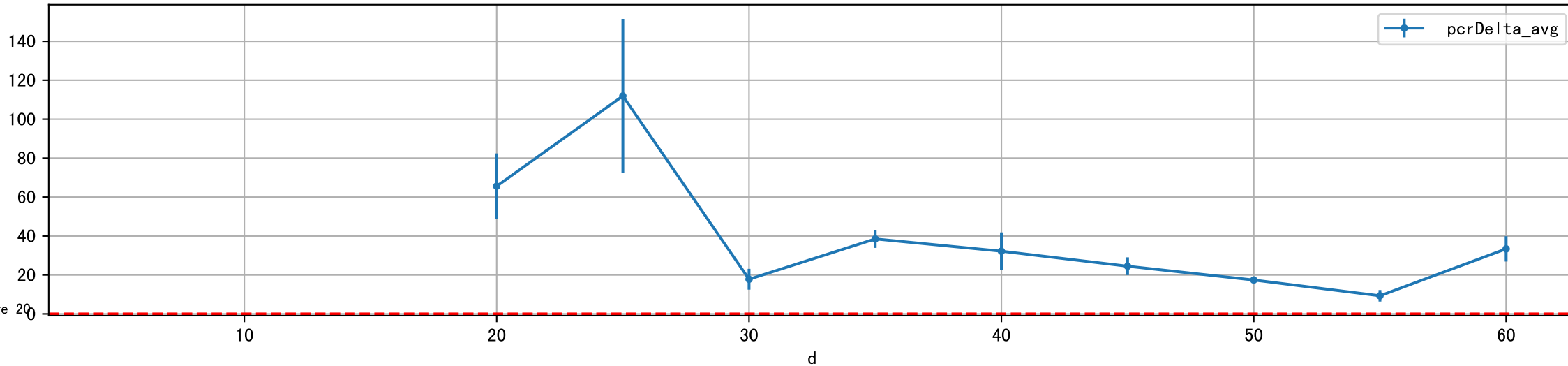
dStH: obsAvg vs obs0v@Q50



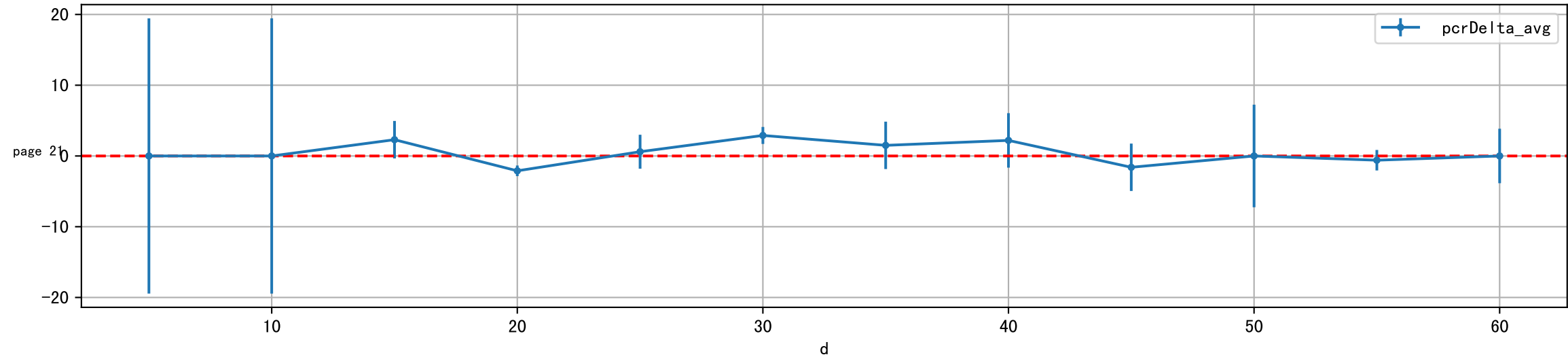
dStH: D_5d_StH



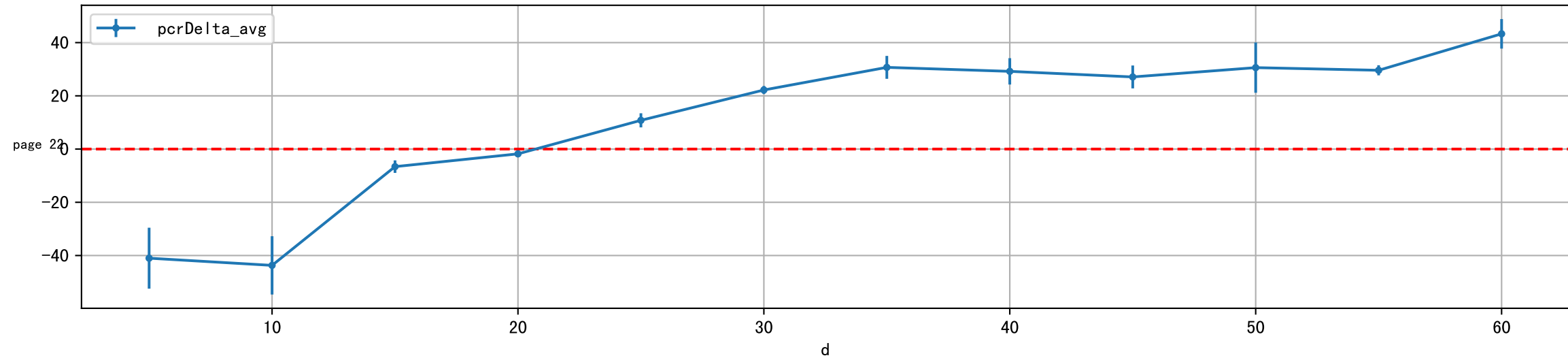
dStH: D_15d_StH



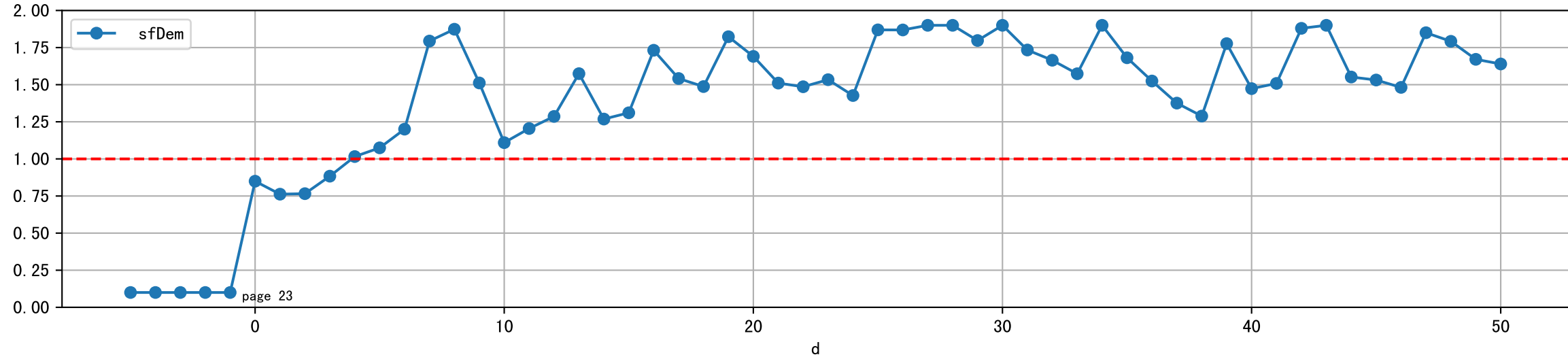
dStH: D_Q50_StH

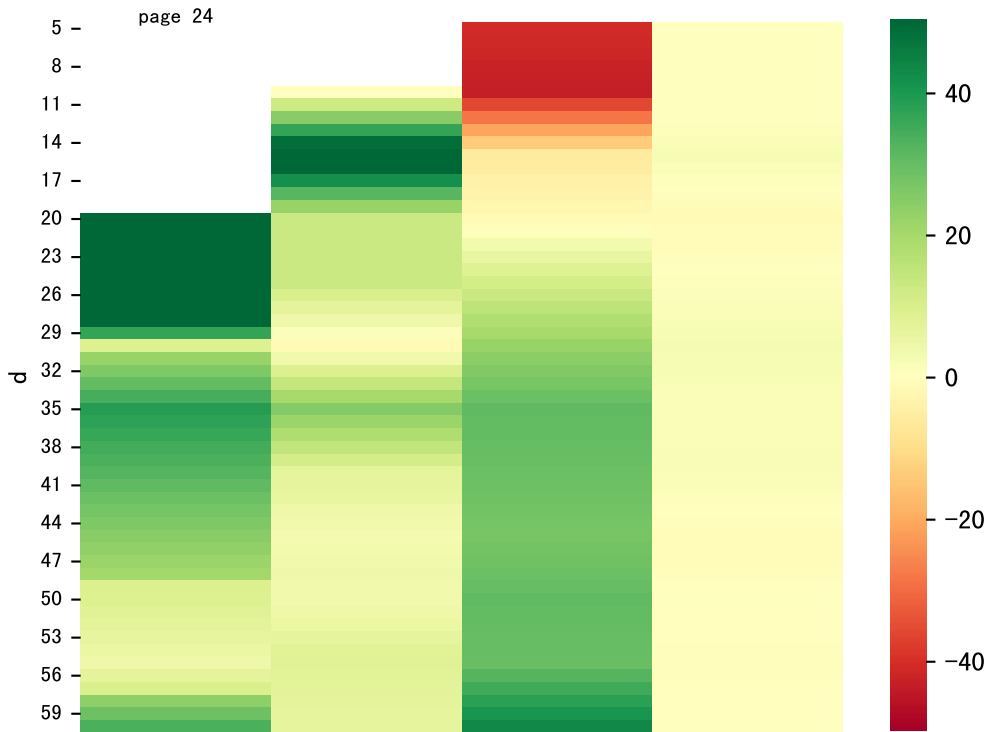


dStH: D_Est_StH



dStH: sfDem



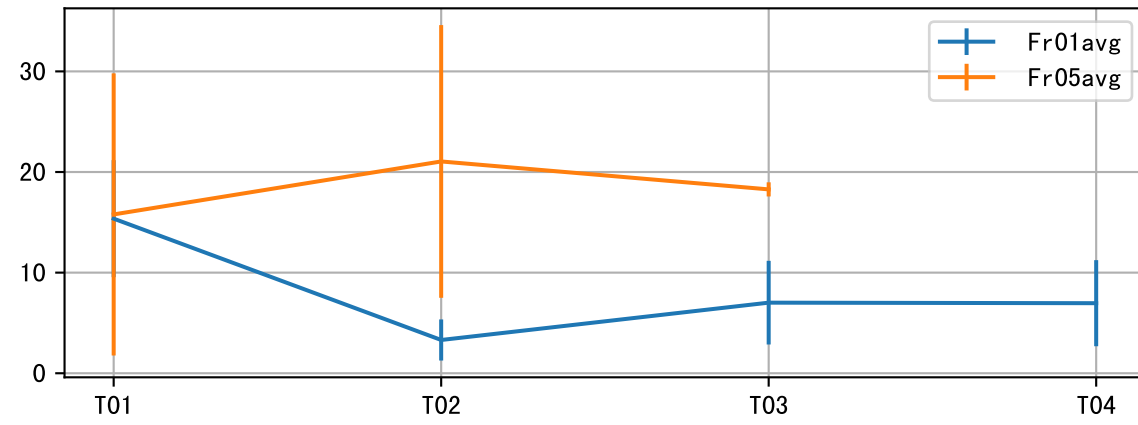


FrV: Fr01 vs Fr05 at each truss

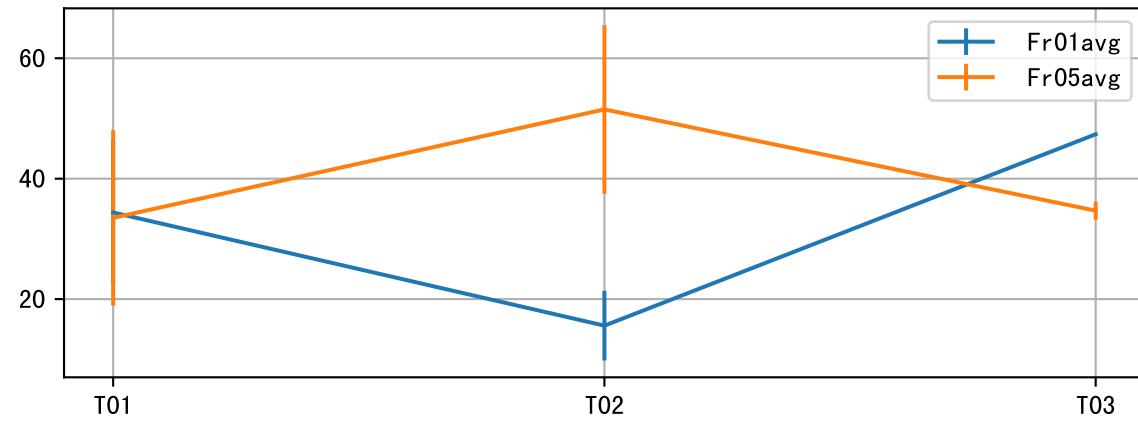


FrV trend at each age

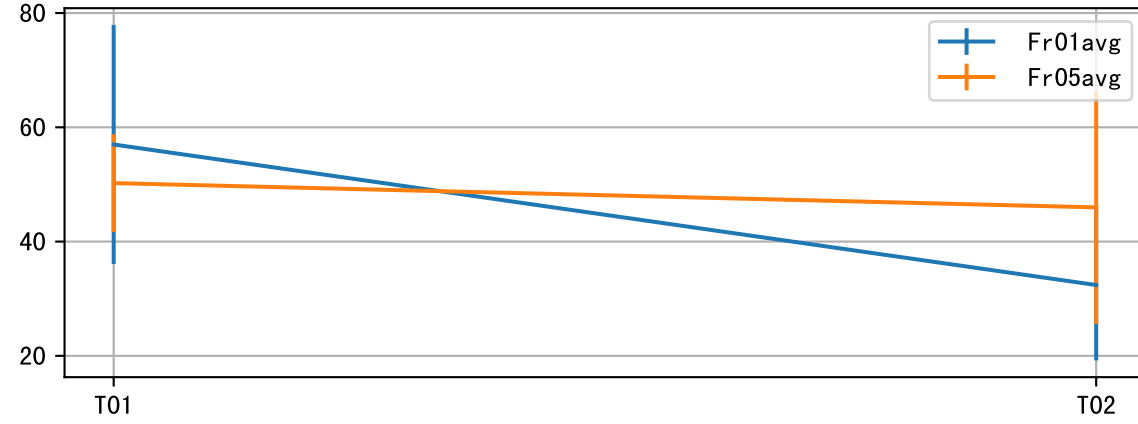
age=15



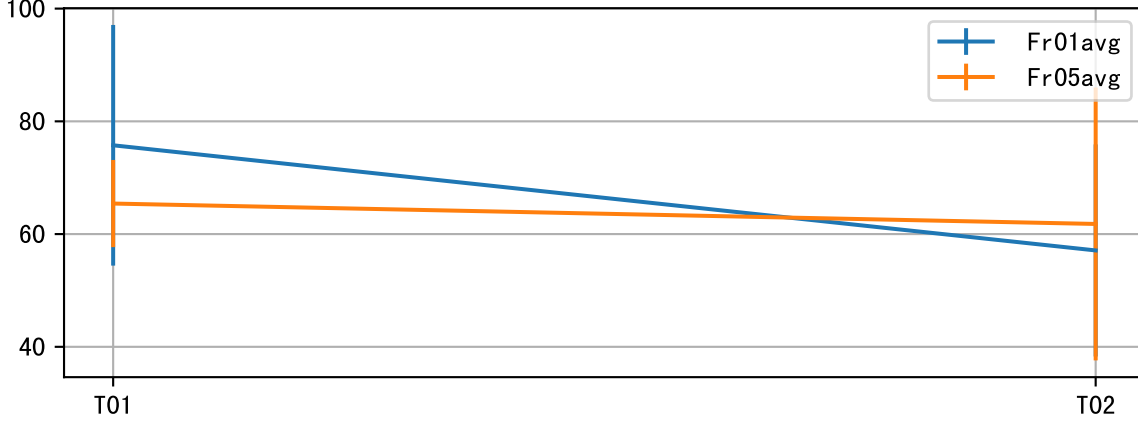
age=20



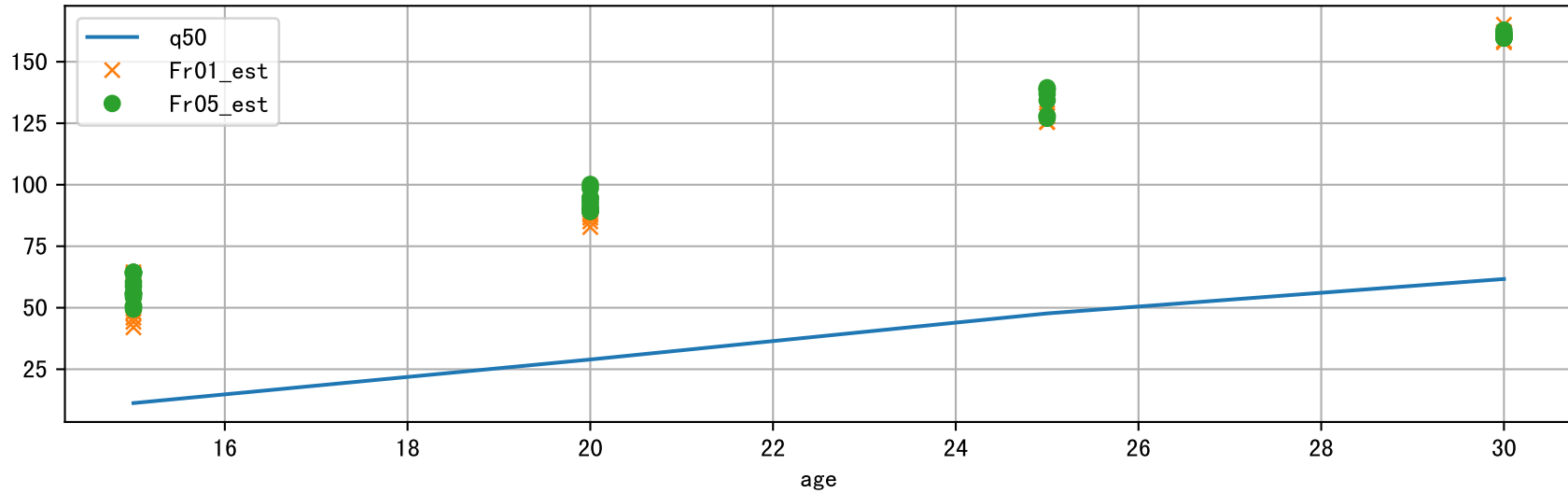
age=25

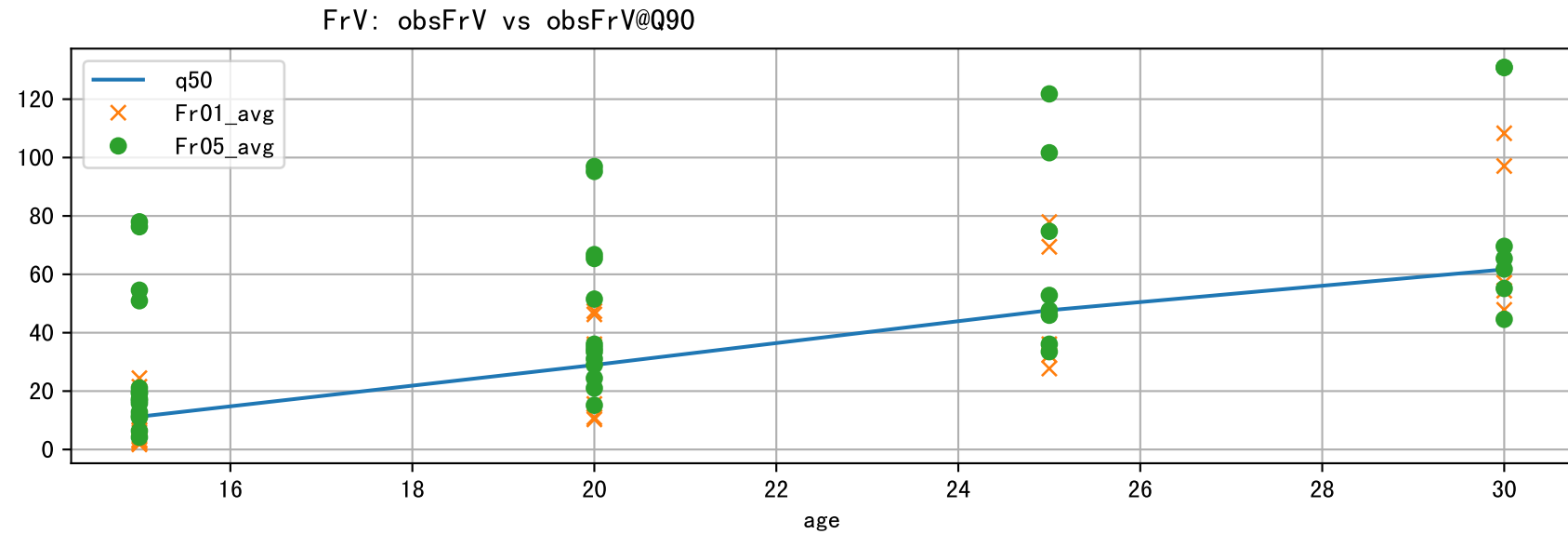


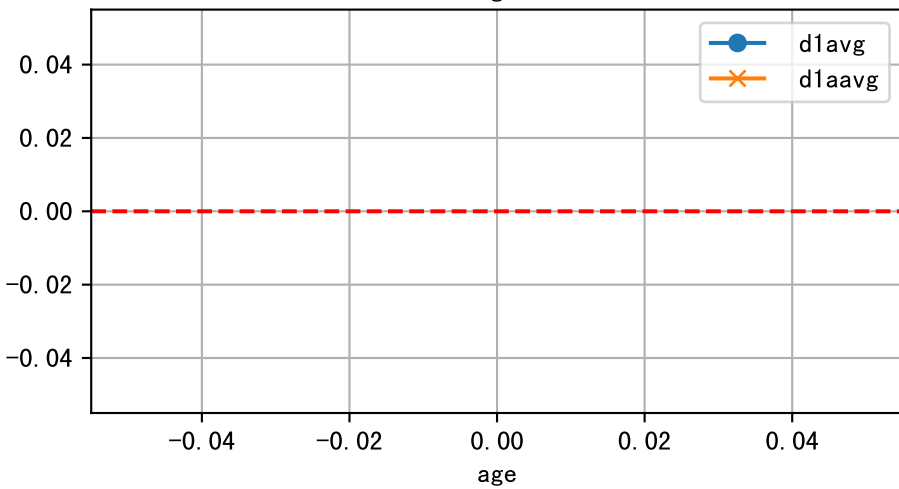
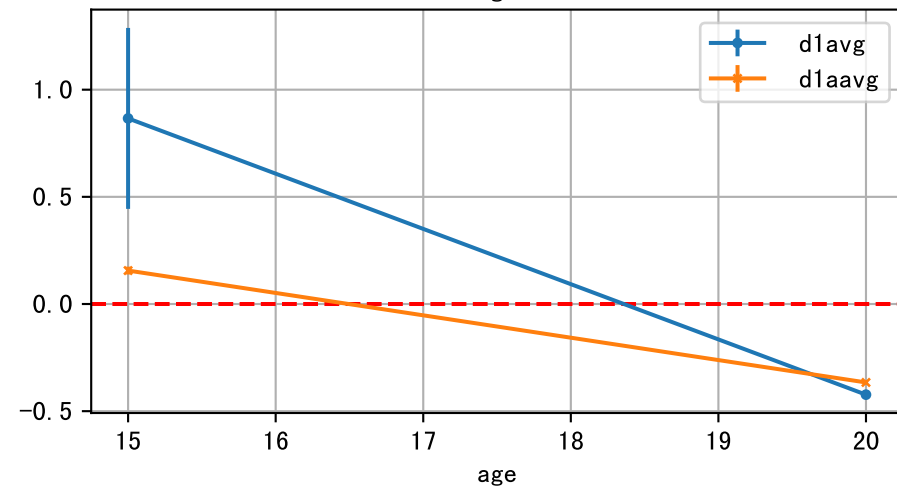
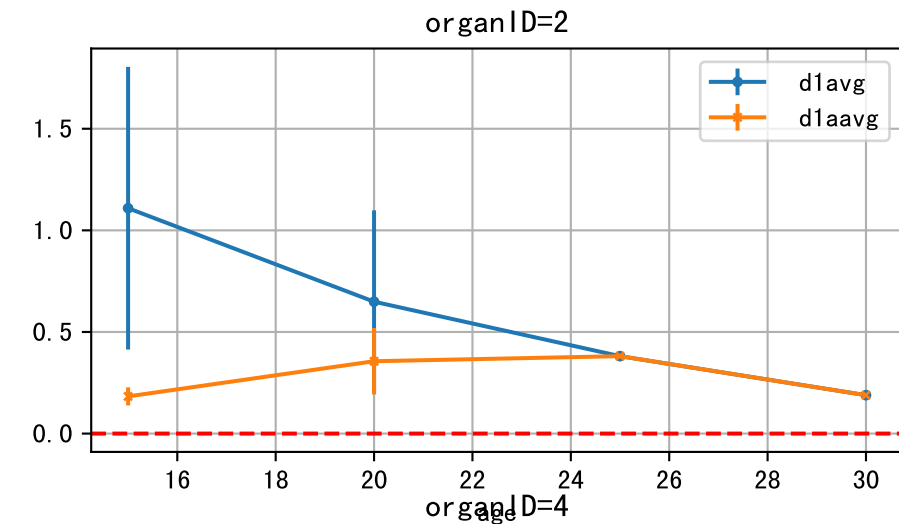
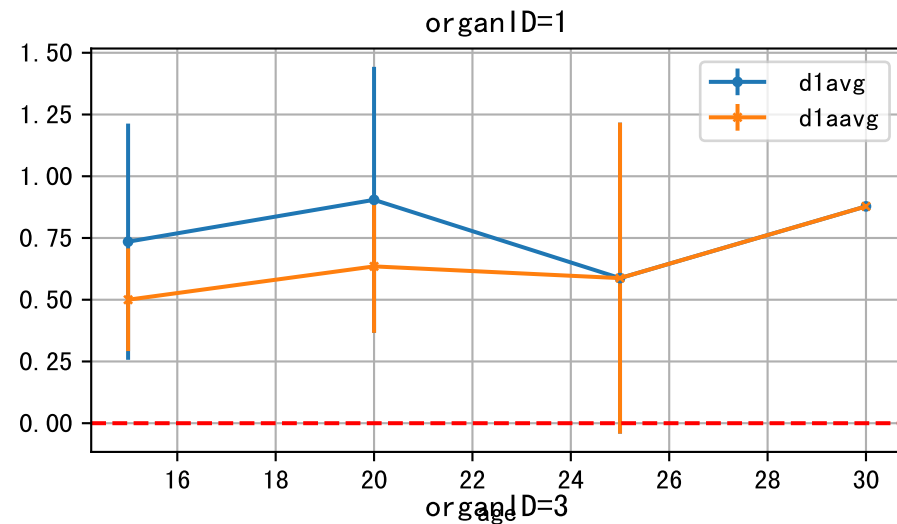
age=30



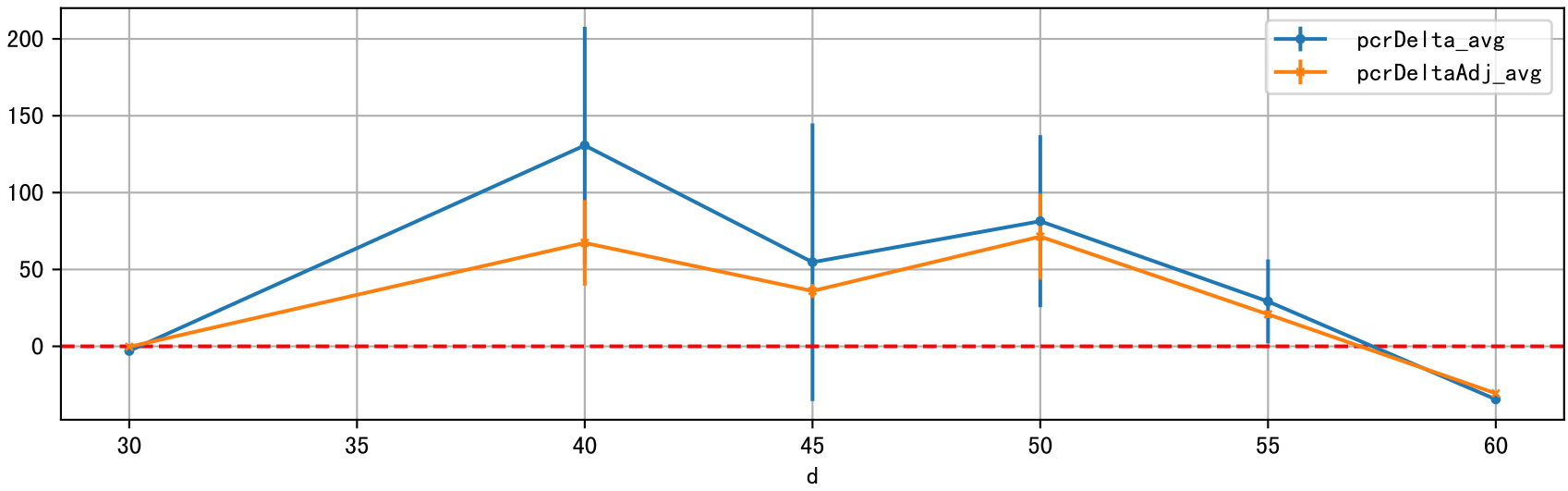
FrV: model Est vs obsFrV at Q90





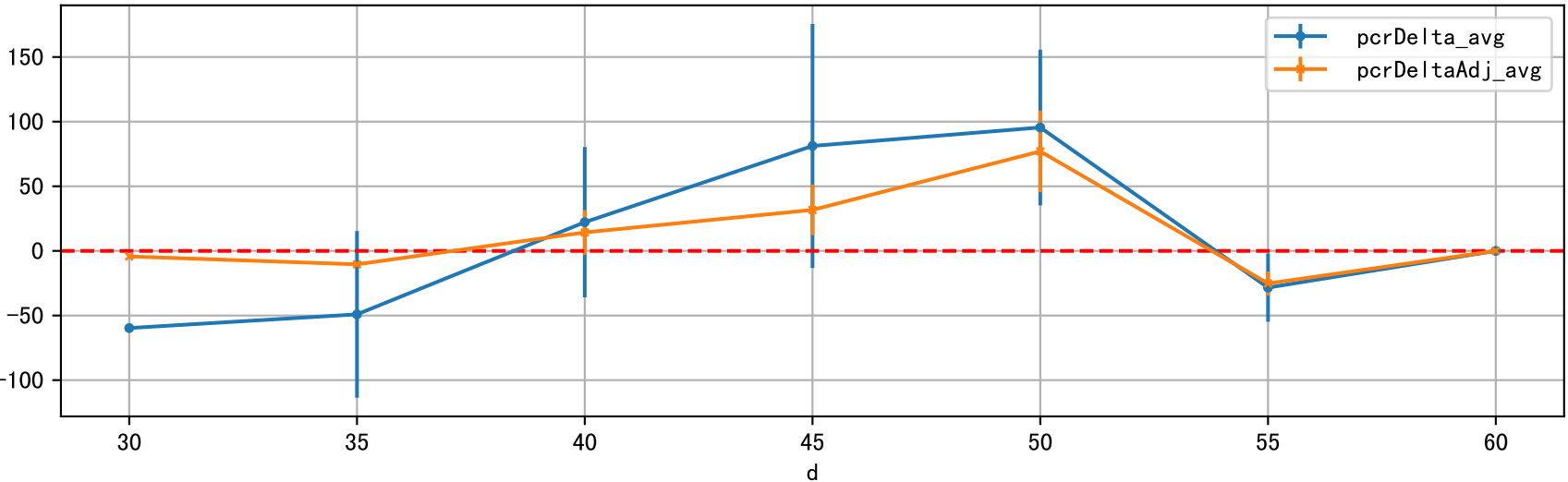


P6AE FrV: D_Fr1_FrV

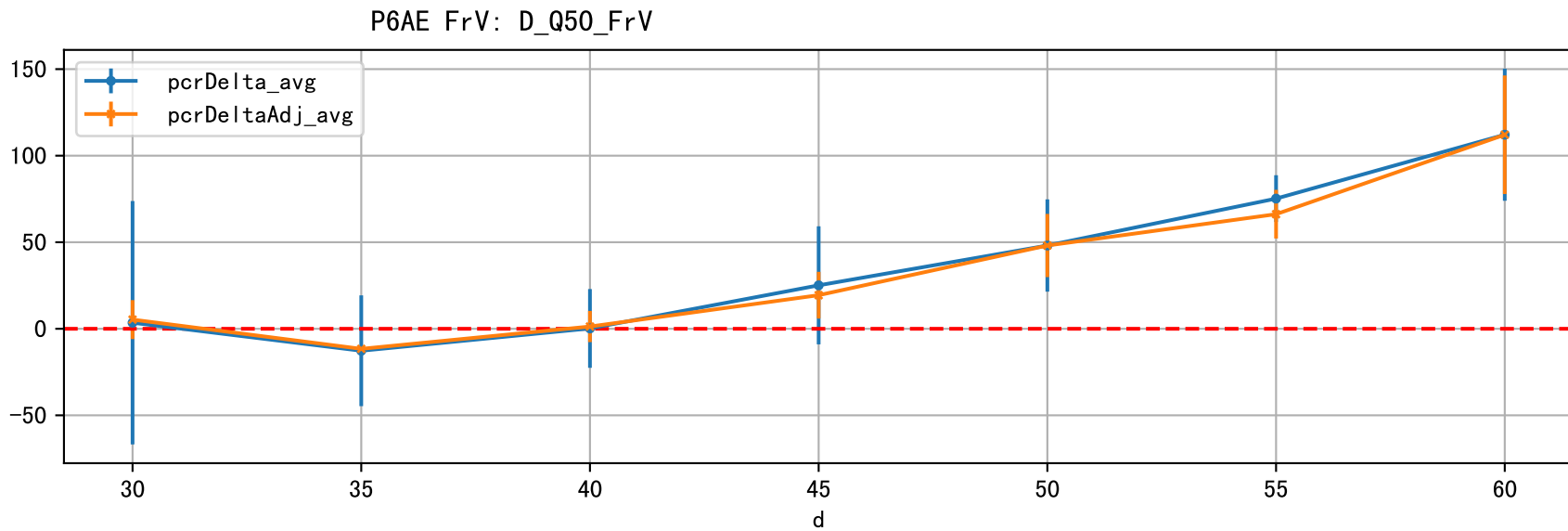


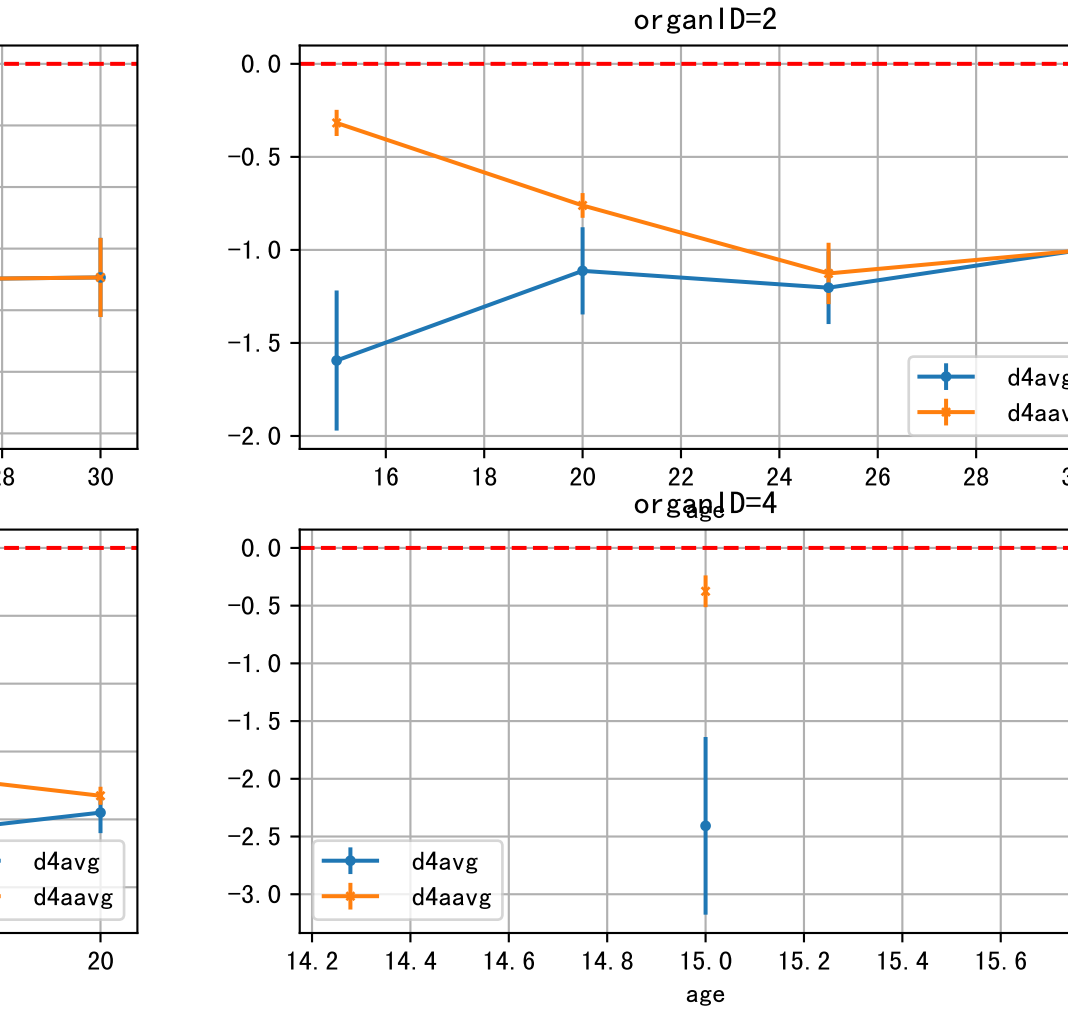
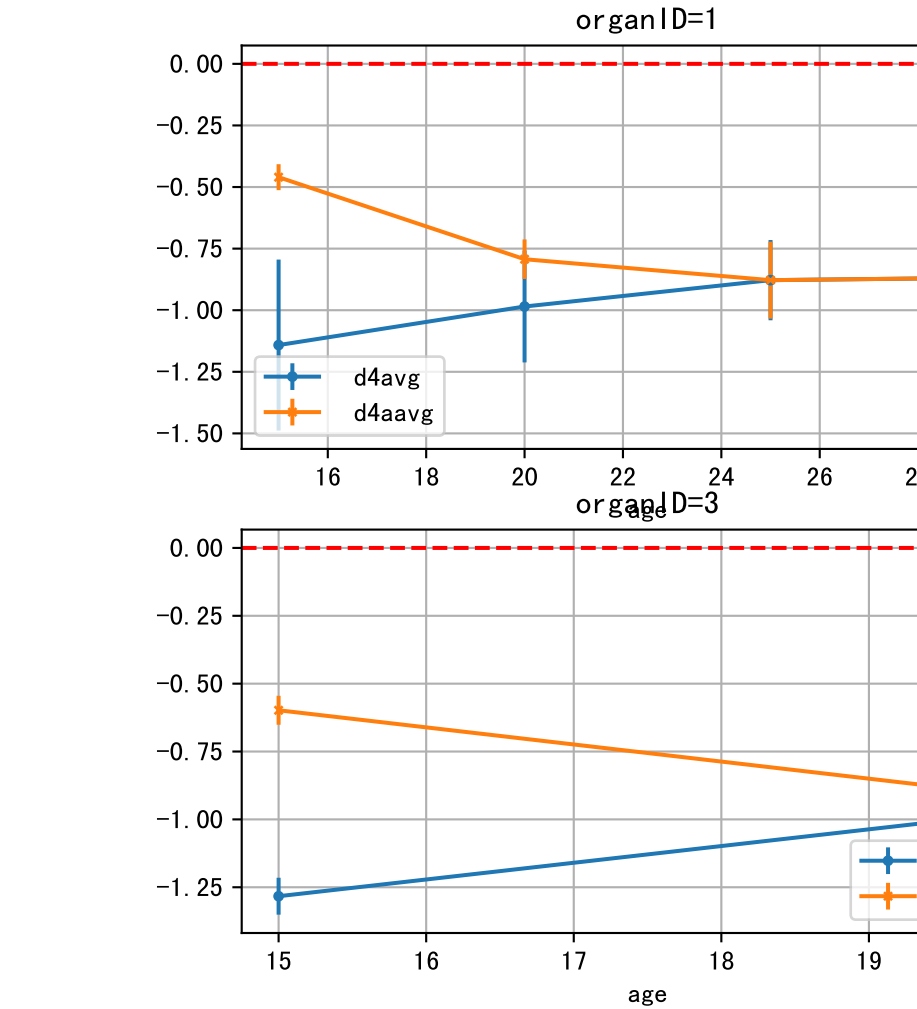


P6AE FrV: D_Ts_FrV

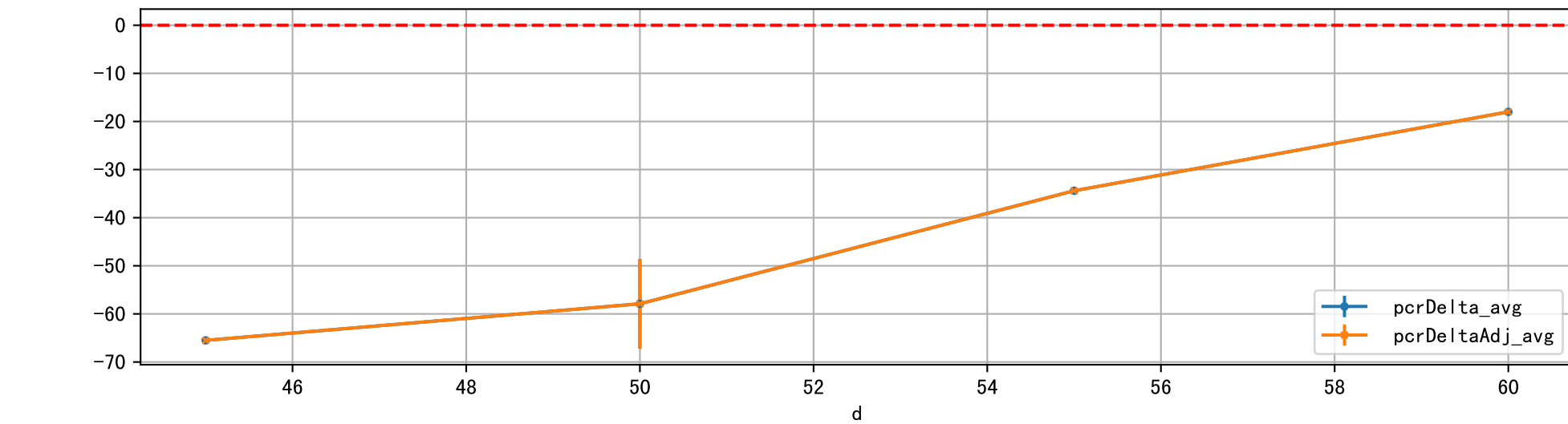


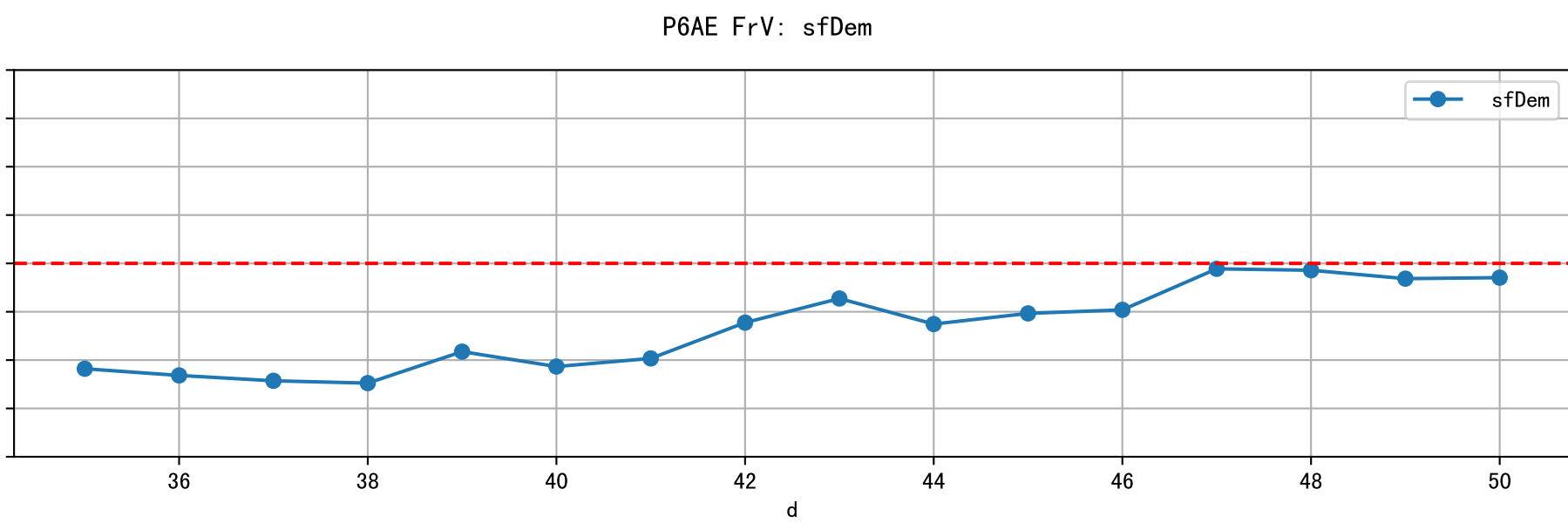






P6AE FrV: D_Est_FrV





9

