

Phenotype Data Analysis Plots

PhenoData day range = 5 - 46

Analysis cutoff day = 46

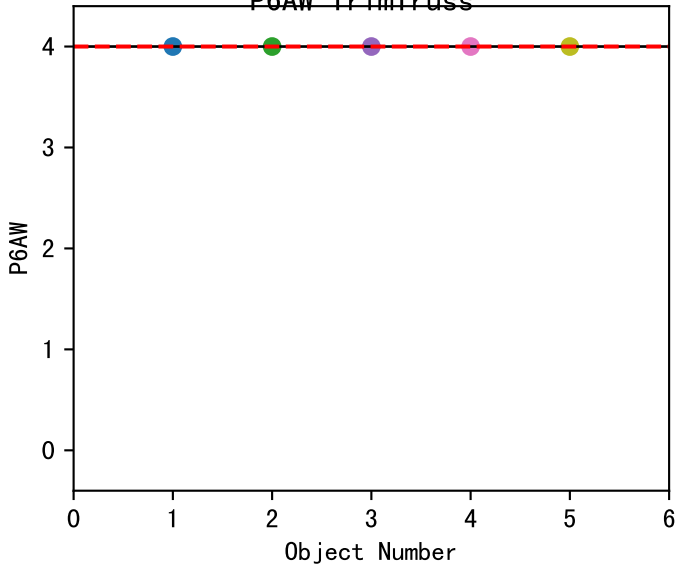
NC11 P6

2025-05-22 (Day 47)

TrussNodeMaxPerStem (Def=4.0 Set=4)

avg1=4.0~0% avg2=na

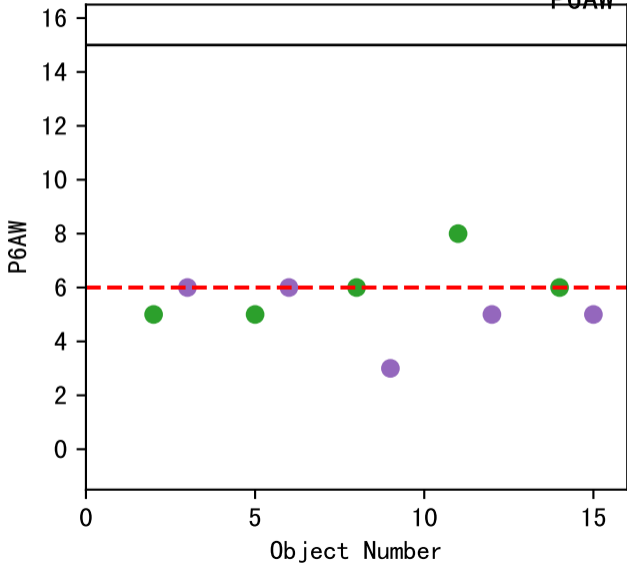
P6AW TrimTruss



FruitNumAvgPerTruss (Def=15 Set=6)

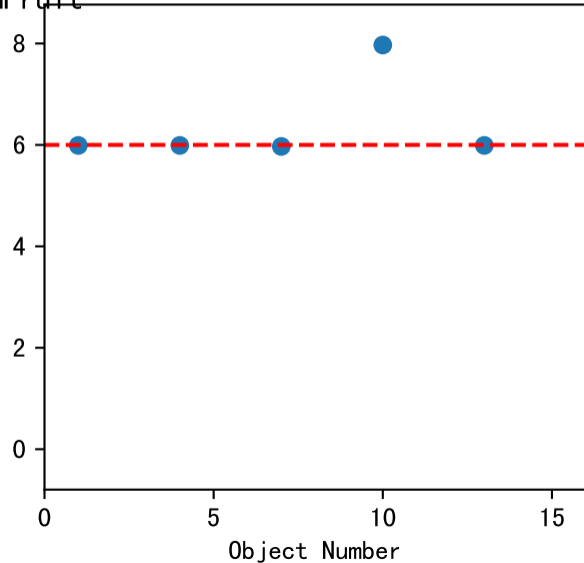
avg1=6.0~10% avg2=na

P6AW TrimFruit

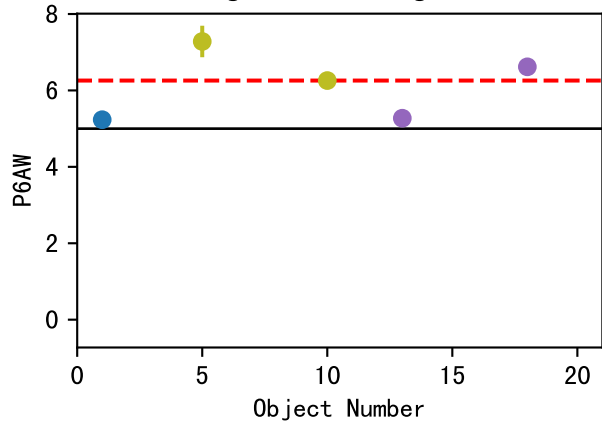


FruitNumMaxPerTruss (Def=na Set=6)

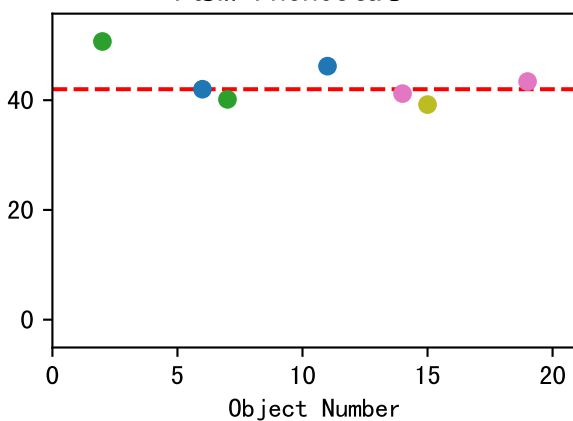
avg1=6.0~0% avg2=na



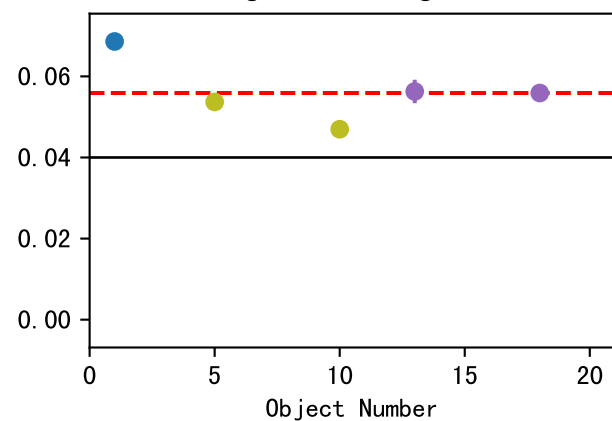
NdL_Q90AbsY (Def=5 Set=6.26)
avg1=6.26~14% avg2=na



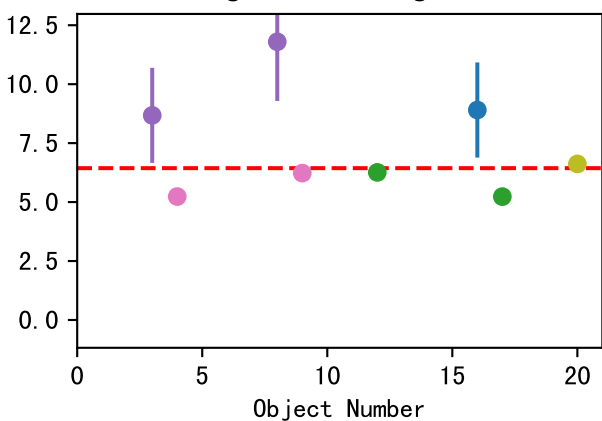
LfW_avgAbsY (Def=na Set=42.0)
avg1=42.0~105% avg2=na



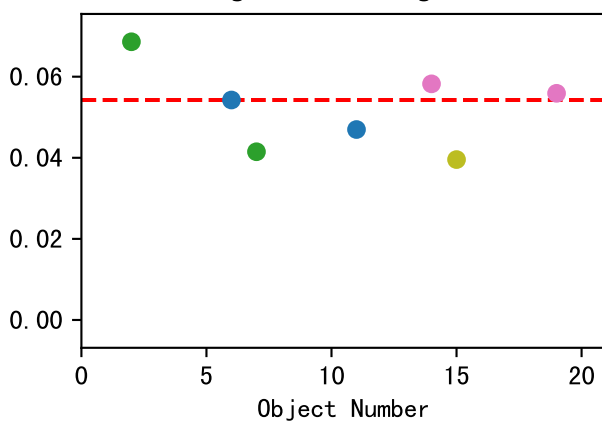
LfA_Q90AbsY (Def=0.04 Set=0.05)
avg1=0.06~3% avg2=na



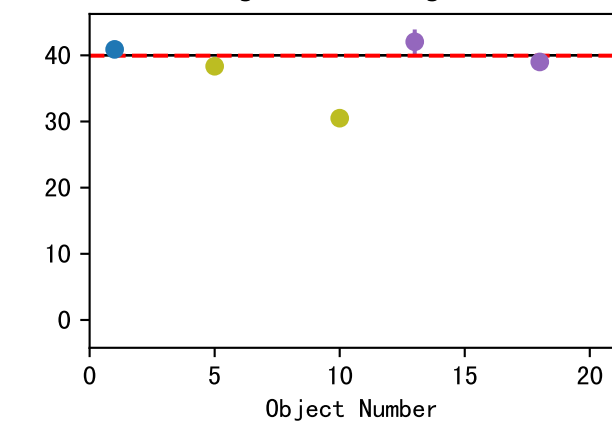
NdL_avgAbsY (Def=na Set=6.44)
avg1=6.44~35% avg2=na



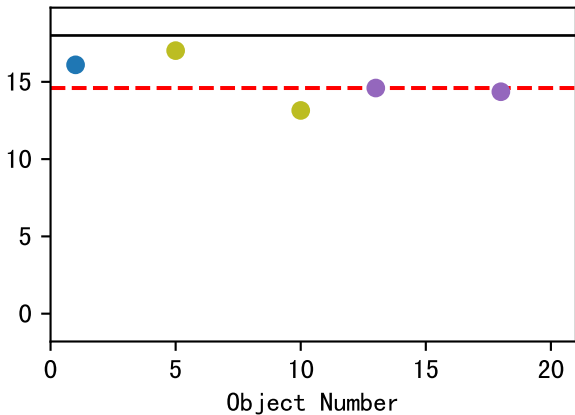
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~19% avg2=na



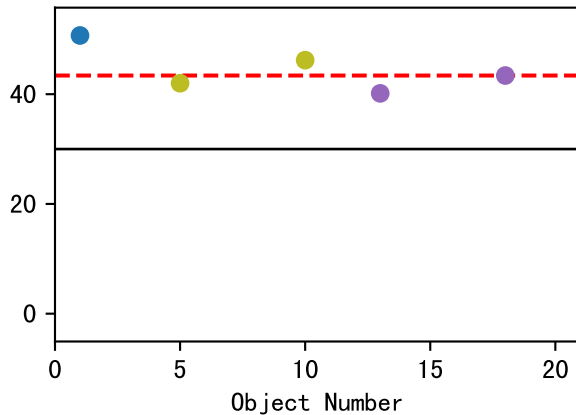
LfL_Q90AbsY (Def=40 Set=39.95)
avg1=39.95~4% avg2=na



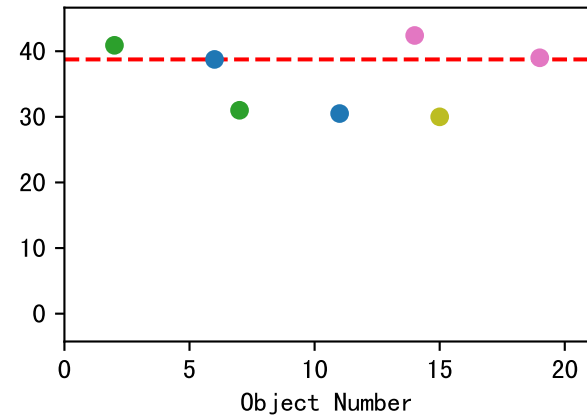
NdD_Q90AbsY (Def=18 Set=14.6)
avg1=14.6~10% avg2=na



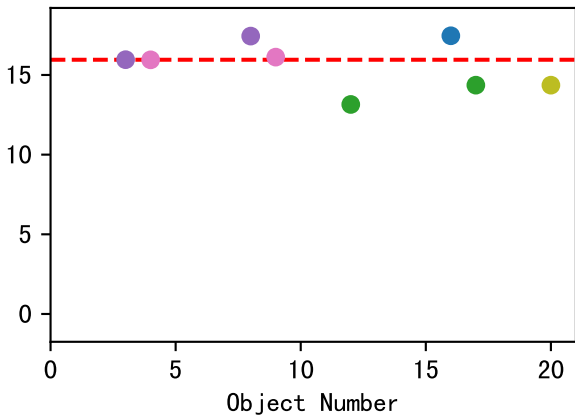
LfW_Q90AbsY (Def=30 Set=43.4)
avg1=43.4~9% avg2=na



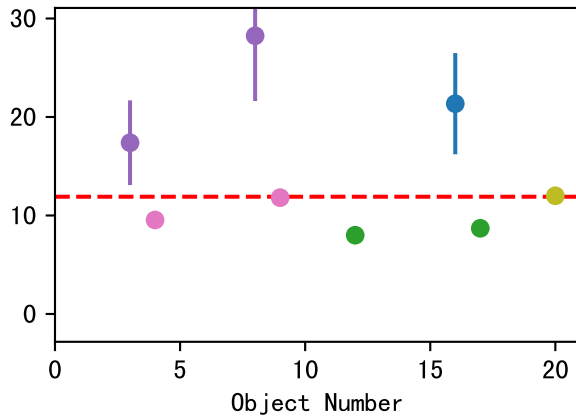
LfL_avgAbsY (Def=na Set=38.75)
avg1=38.75~14% avg2=na



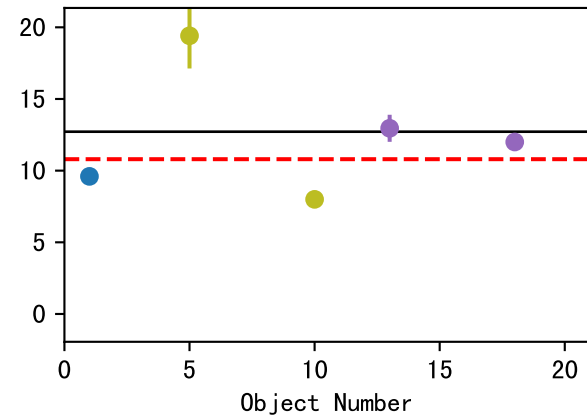
NdD_avgAbsY (Def=na Set=15.96)
avg1=15.96~10% avg2=na



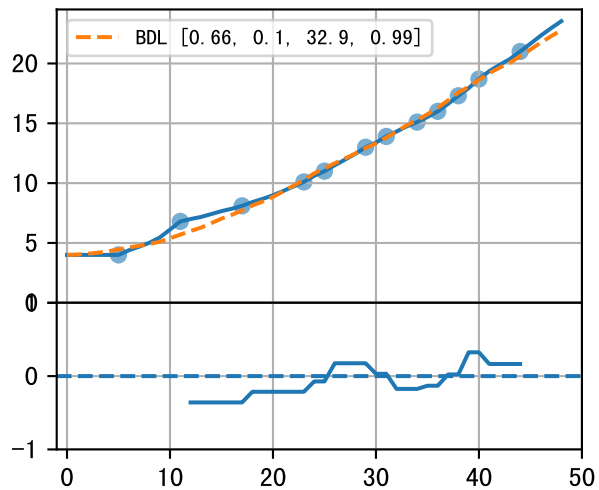
NdV_avgAbsY (Def=na Set=11.9)
avg1=11.9~60% avg2=na



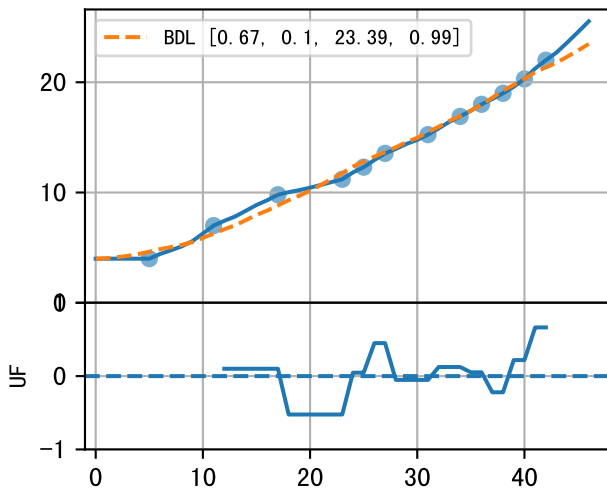
NdV_Q90AbsY (Def=12.72 Set=12.72)
avg1=10.8~21% avg2=na



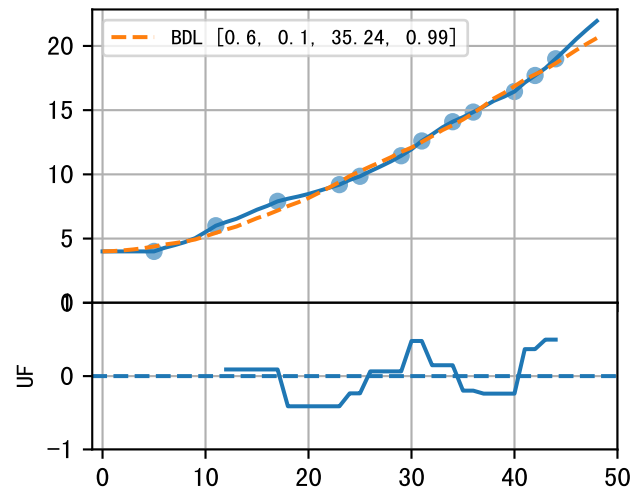
P6AW-058-22 (fit failed)



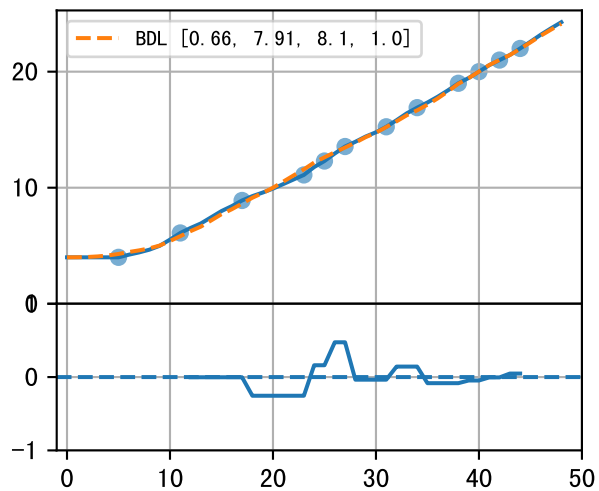
P6AW-074-10 (fit failed)



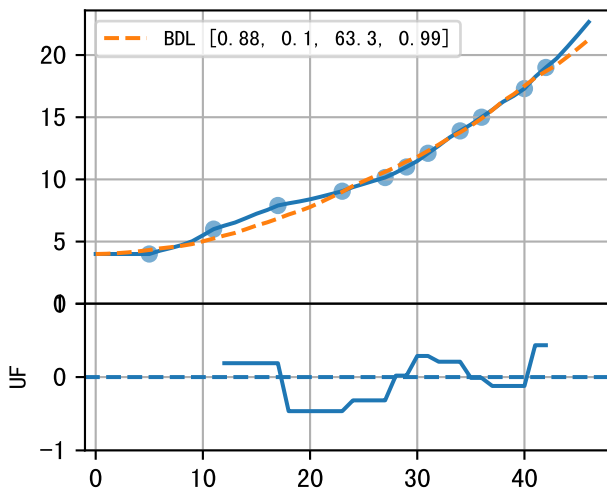
P6AW-087-14 (fit failed)



P6AW-095-29 (fit failed)



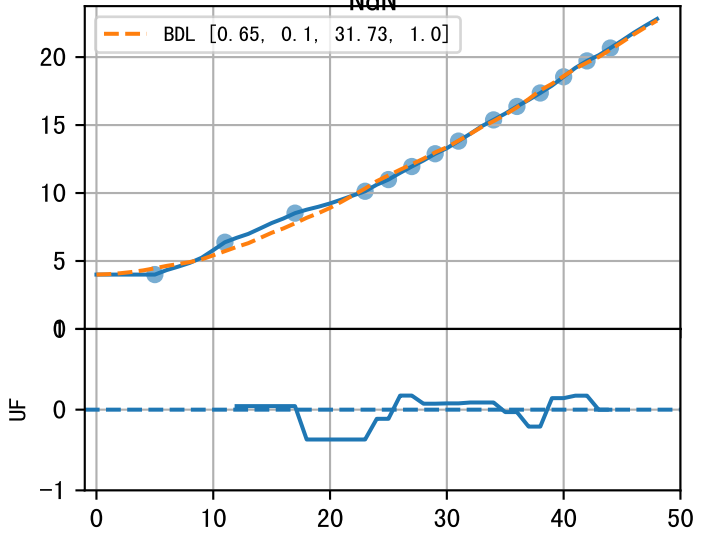
P6AW-106-11 (fit failed)



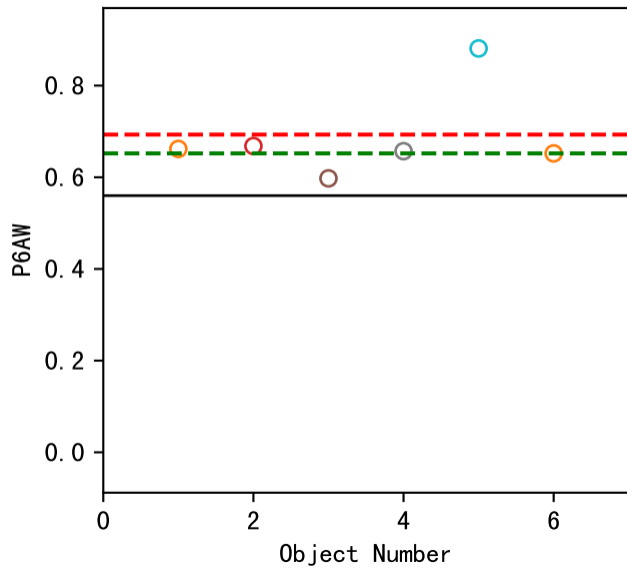
P6AWavg (fit failed)

NdN

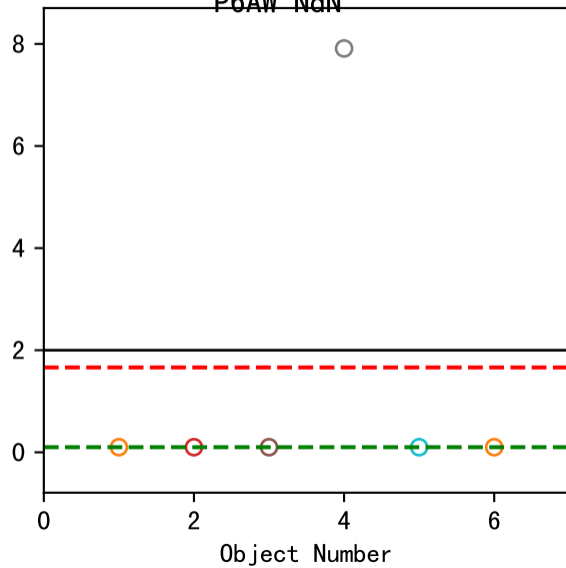
BDL [0.65, 0.1, 31.73, 1.0]



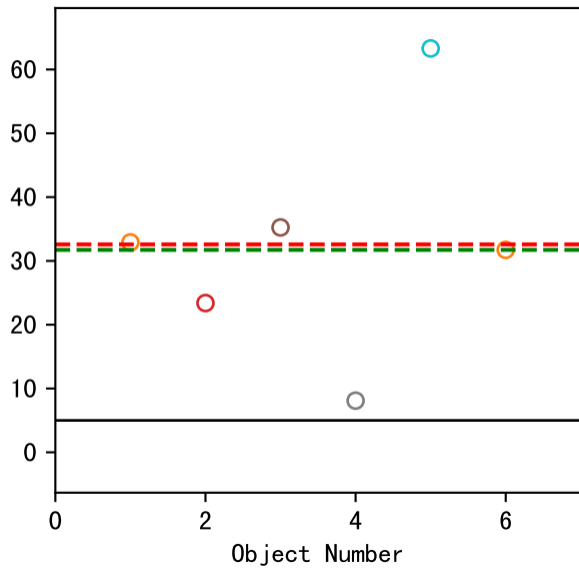
a (Def=0.56 Set=0.65)
avg1=0.69(fail) avg2=0.65



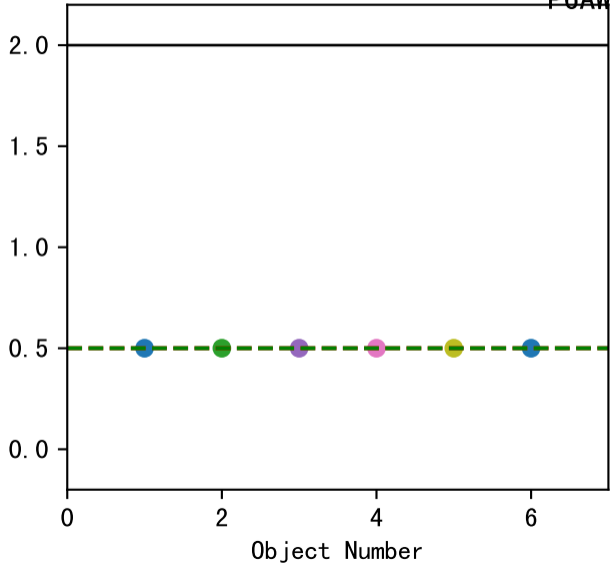
dm (Def=2 Set=0.1)
avg1=1.66(fail) avg2=0.1



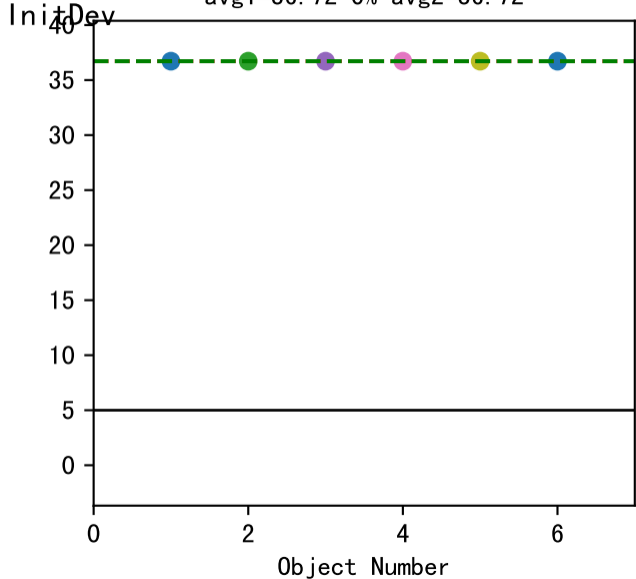
de (Def=5 Set=31.73)
avg1=32.59(fail) avg2=31.73



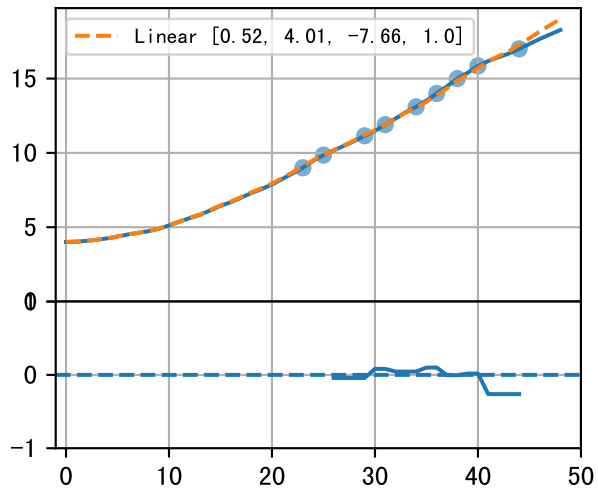
InitDev_dm (Def=2 Set=0.5)
avg1=0.5~0% avg2=0.5



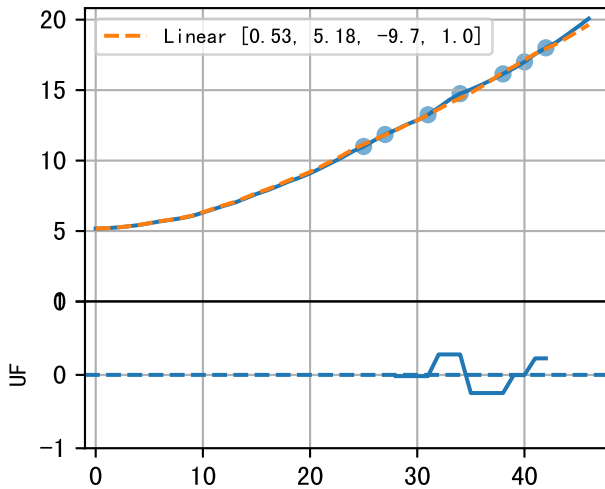
InitDev_de (Def=5 Set=36.72)
avg1=36.72~0% avg2=36.72



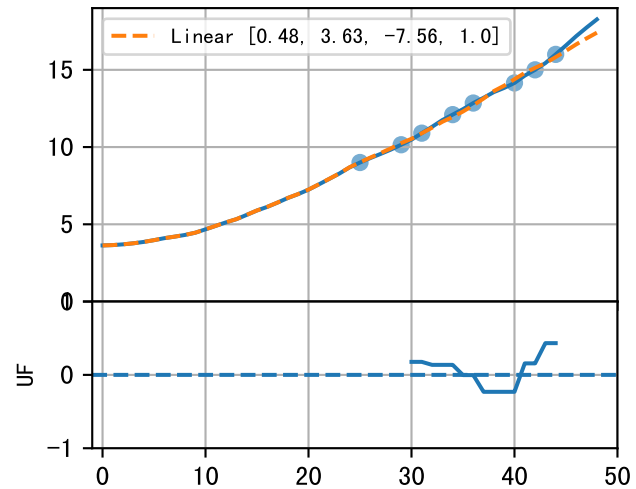
P6AW-058-22



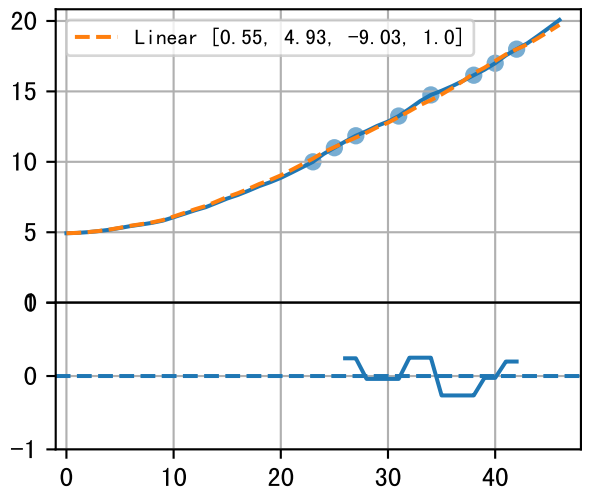
P6AW-074-9



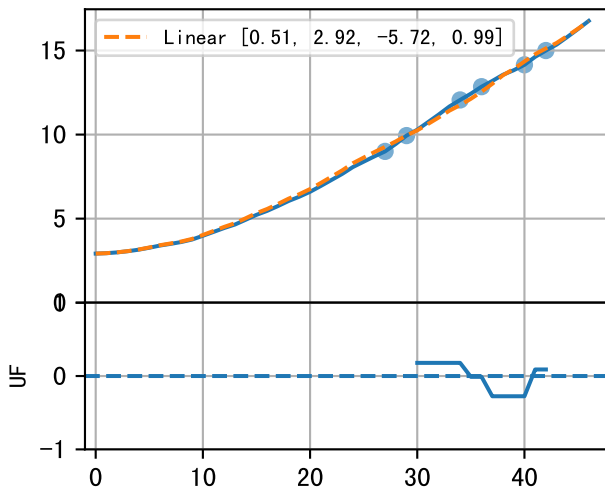
P6AW-087-14



P6AW-095-29

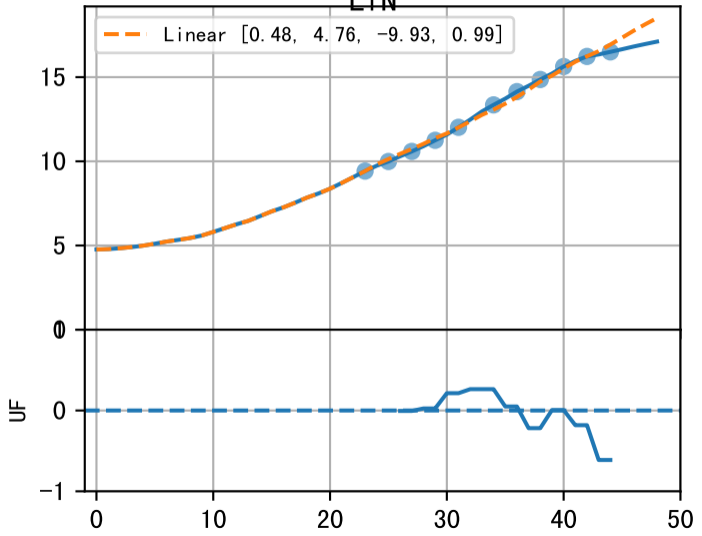


P6AW-106-11

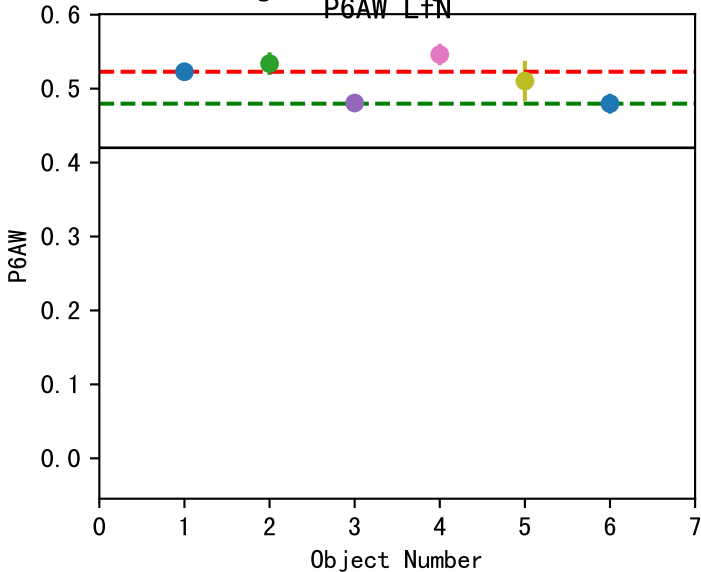


P6AWavg
Lfn

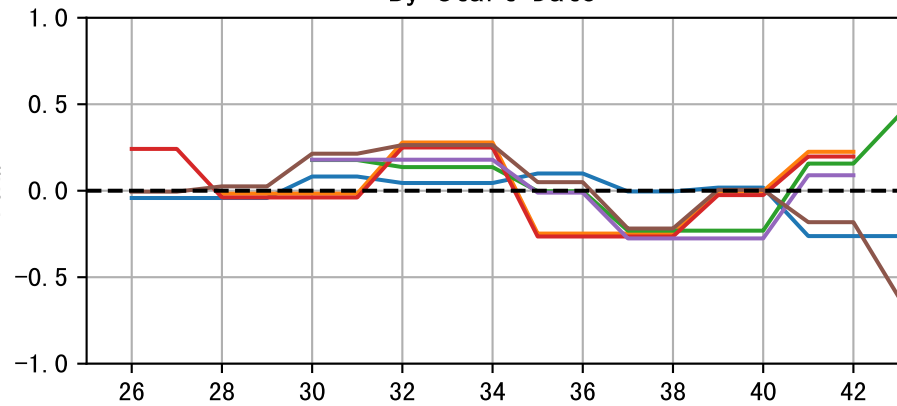
Linear [0.48, 4.76, -9.93, 0.99]



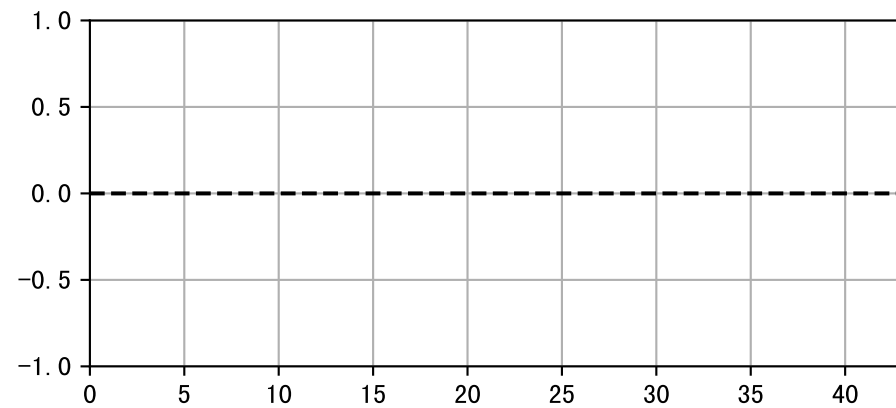
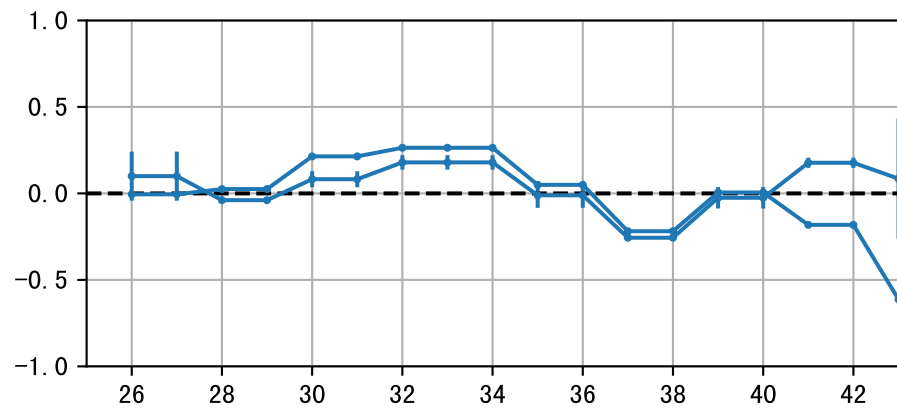
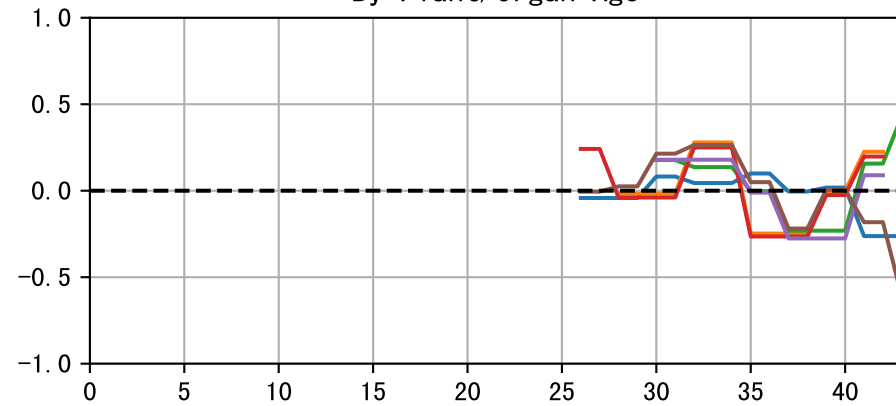
a (Def=0.42 Set=0.48)
avg1=0.52 \sim 5% avg2=0.48 \sim 6%



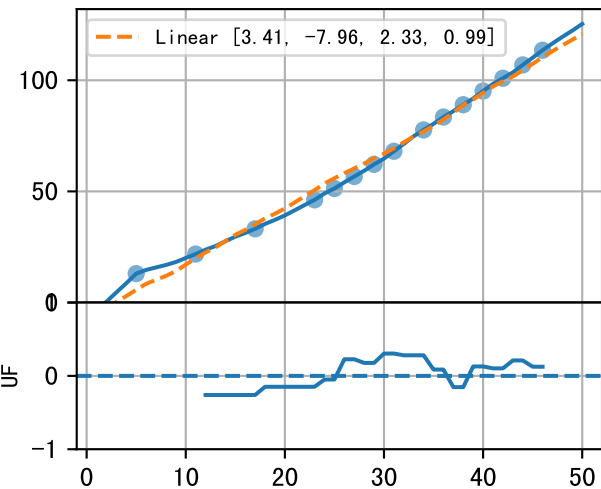
By Start Date



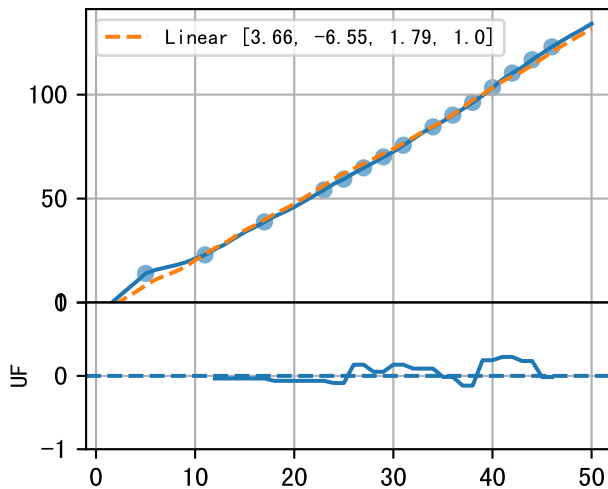
By Plant/Organ Age



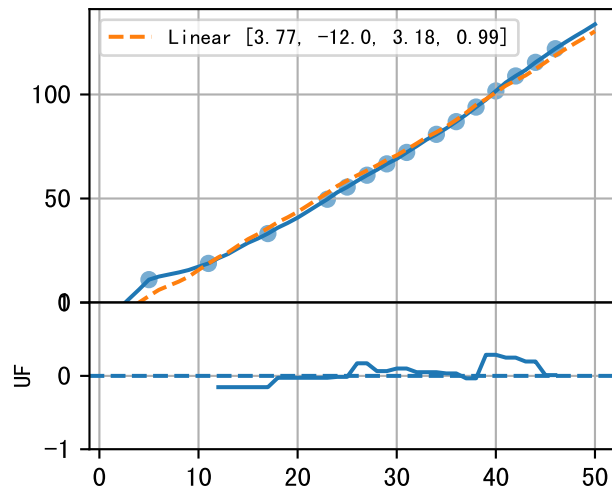
P6AW-058-22



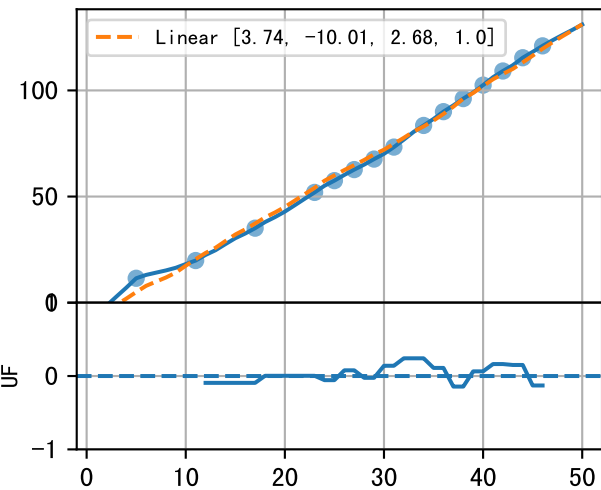
P6AW-074-9



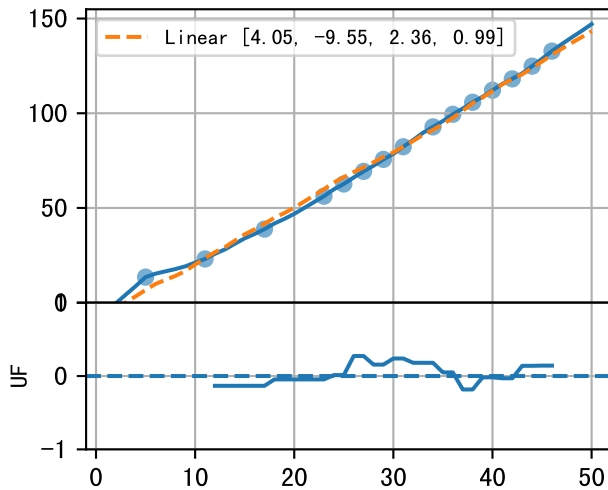
P6AW-087-14



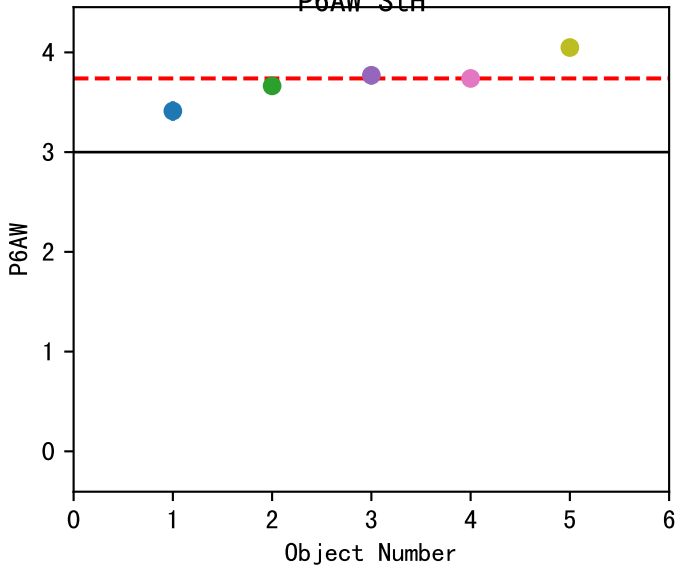
P6AW-095-29



P6AW-106-11

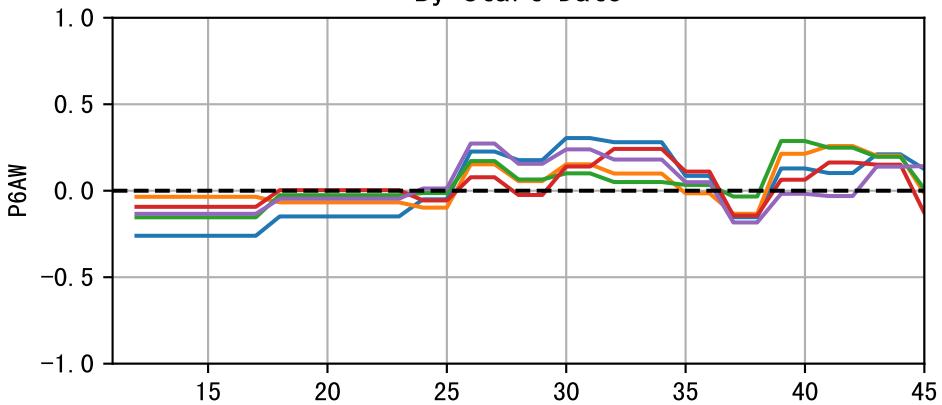


a (Def=3 Set=3.74)
avg1=3.74~1% avg2=na
P6AW StH

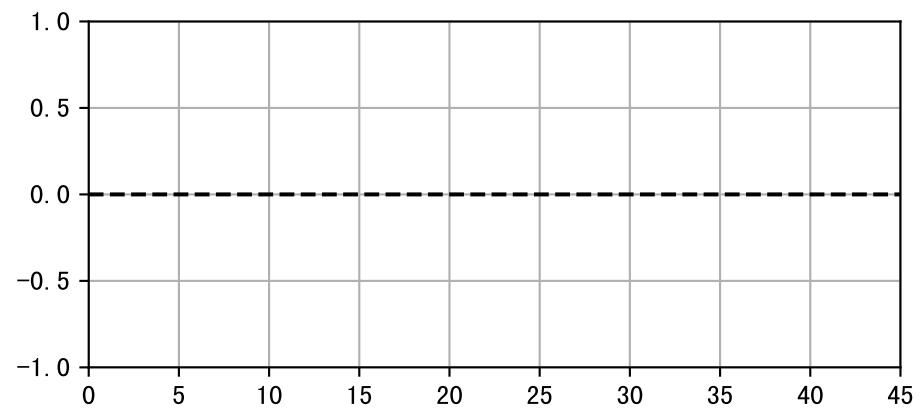
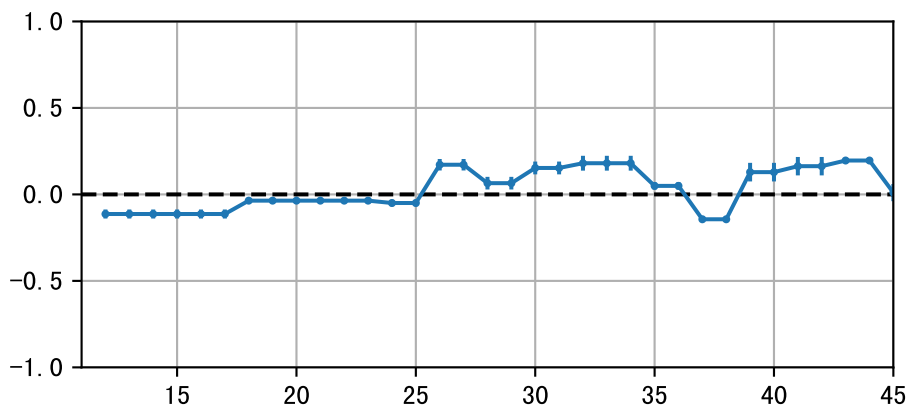
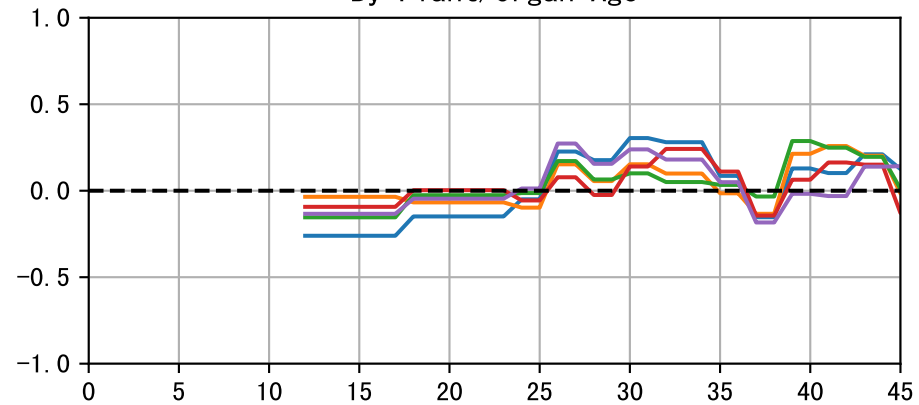


StH

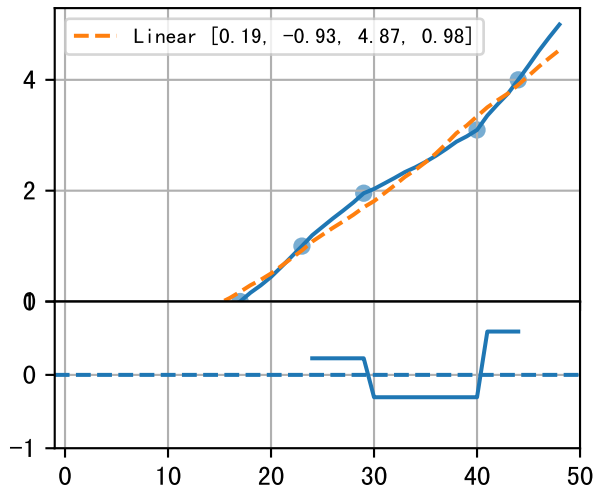
By Start Date



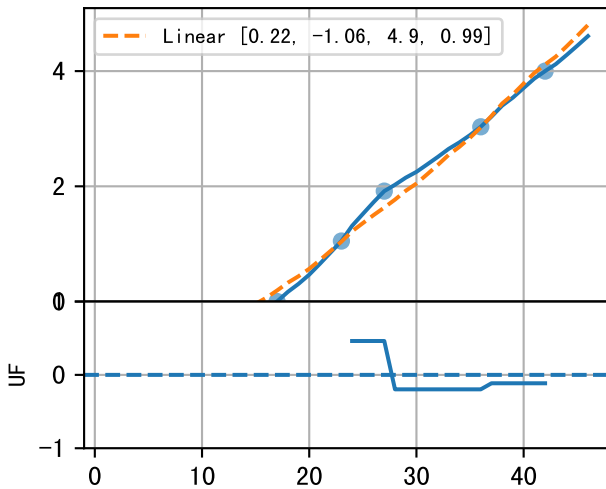
By Plant/Organ Age



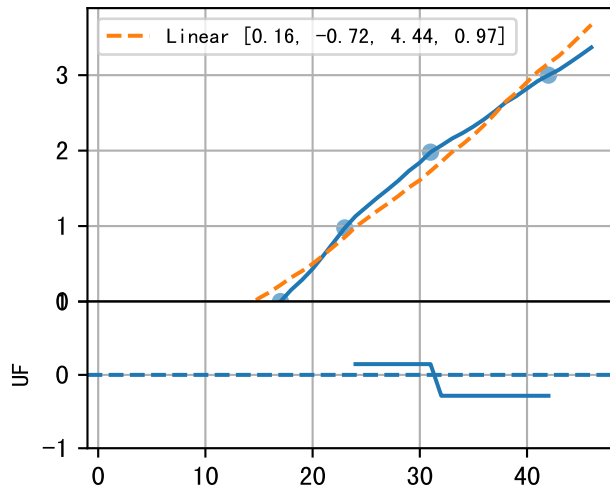
P6AW-058-22



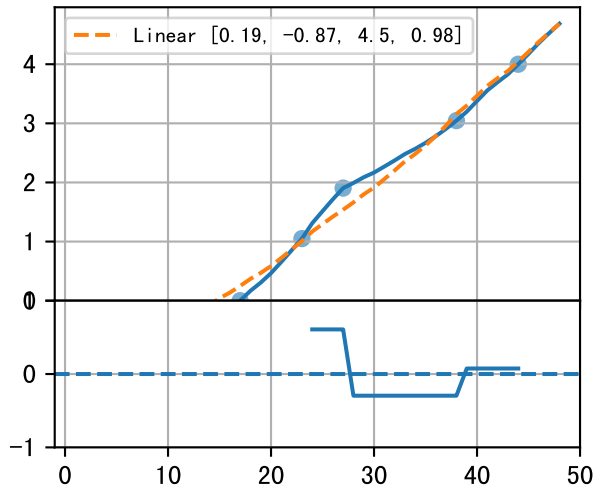
P6AW-074-9



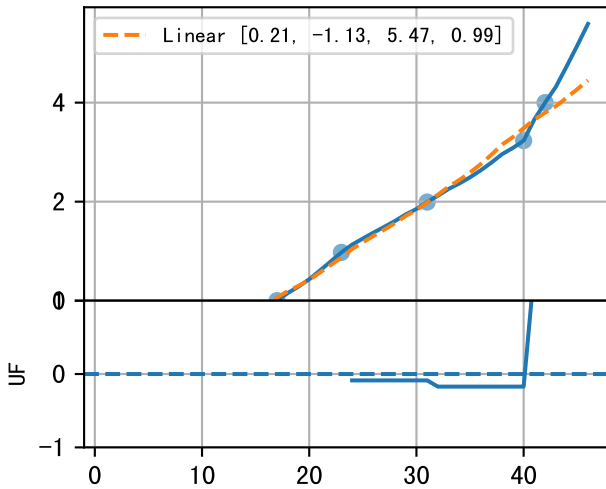
P6AW-087-14



P6AW-095-29



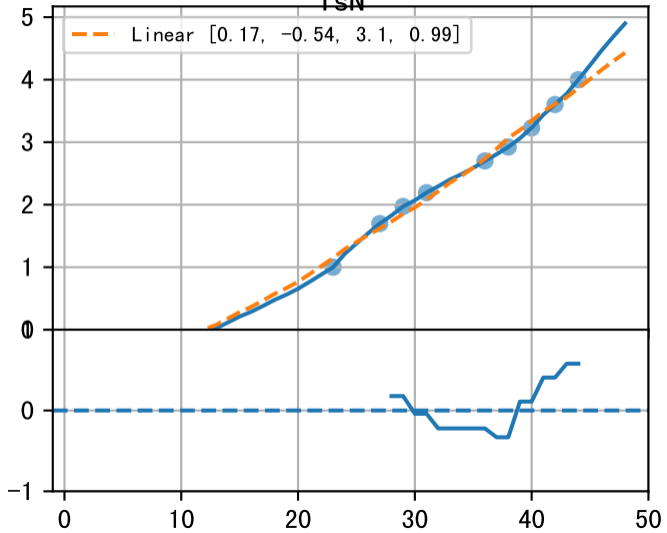
P6AW-106-11



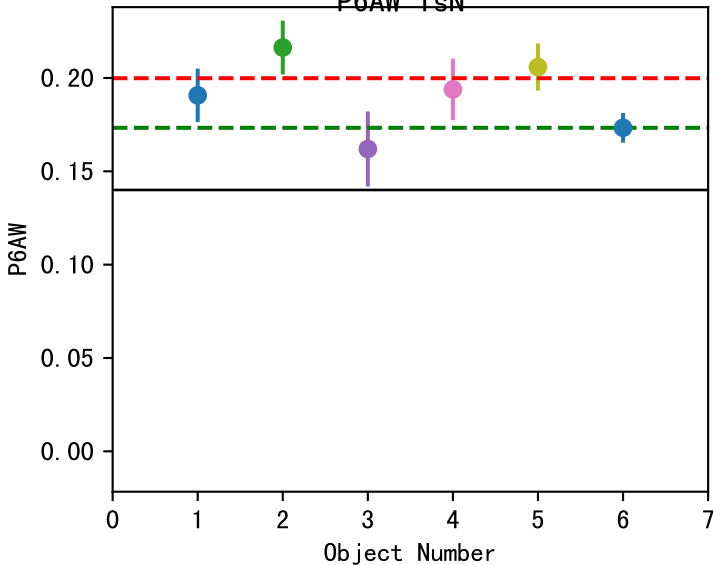
P6AWavg
TSN

Linear [0.17, -0.54, 3.1, 0.99]

UF

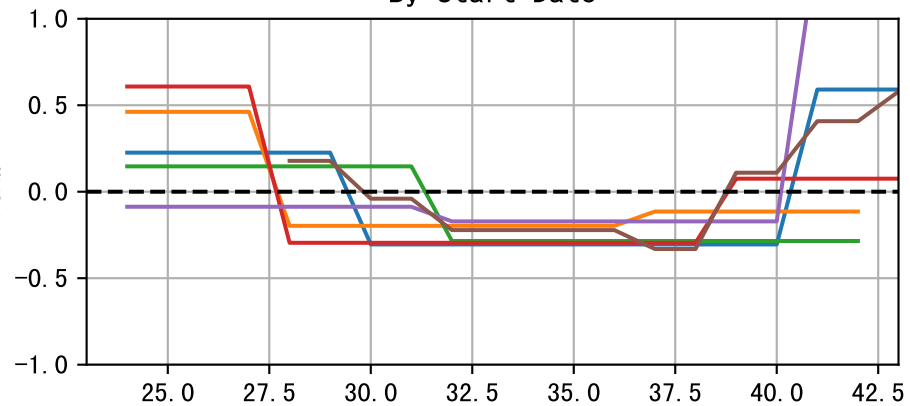


a (Def=0.14 Set=0.17)
avg1=0.2~6% avg2=0.17~10%

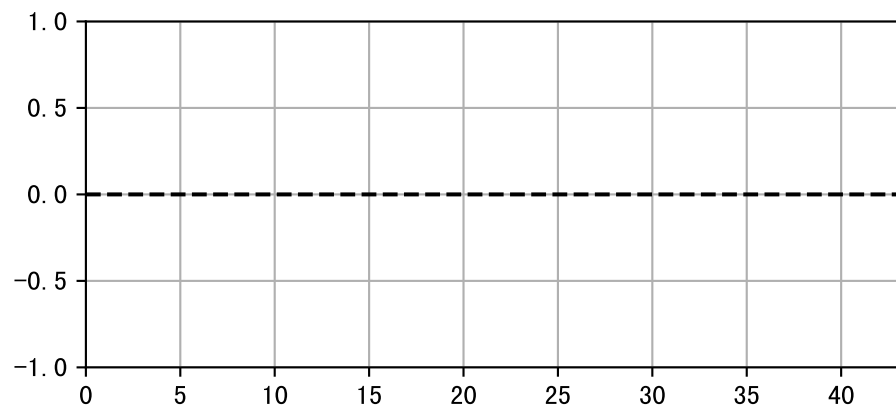
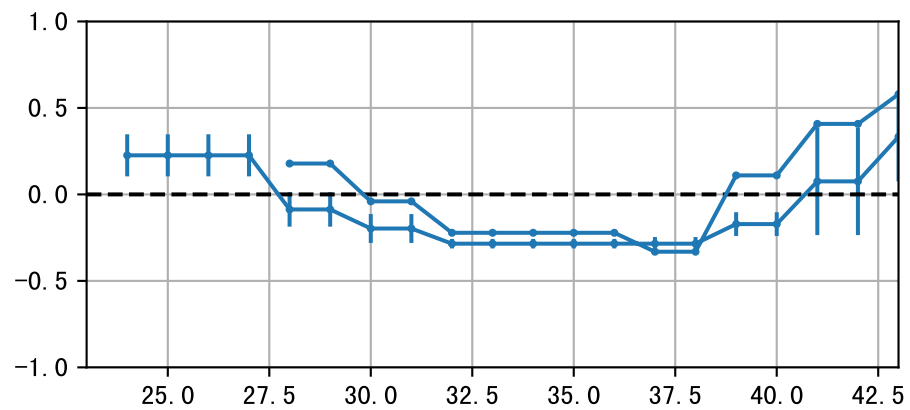
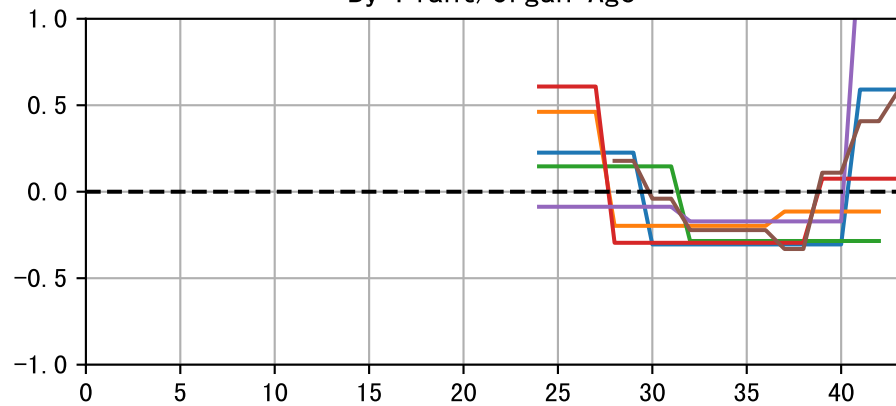


TsN

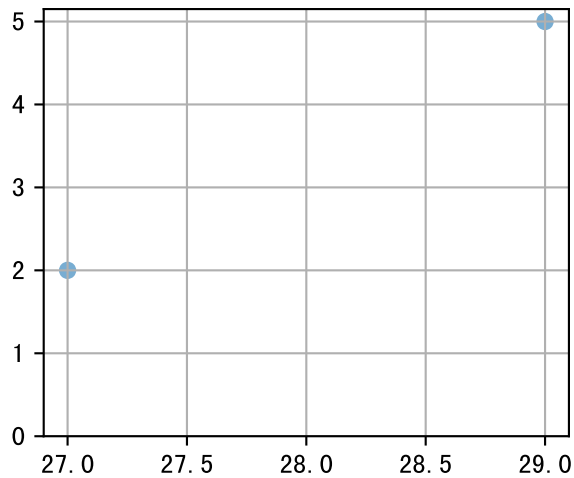
By Start Date



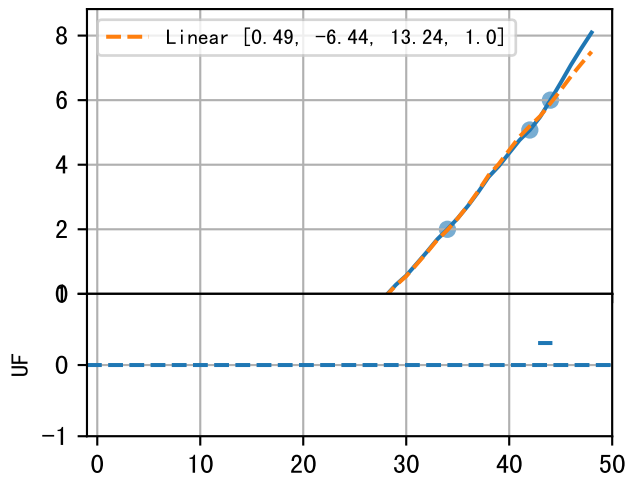
By Plant/Organ Age



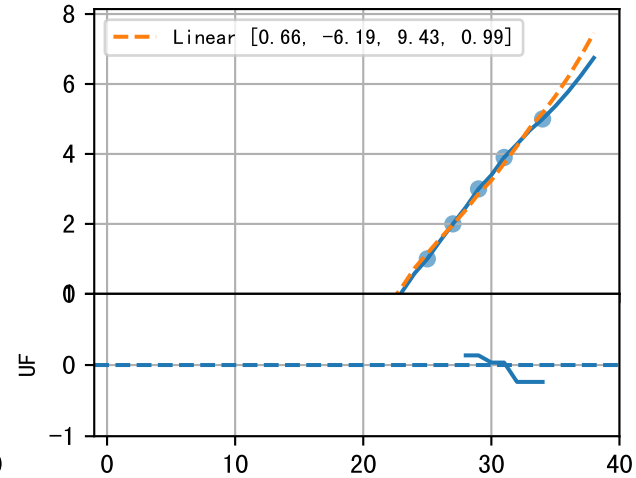
P6AW-058-22T1 (fit failed)



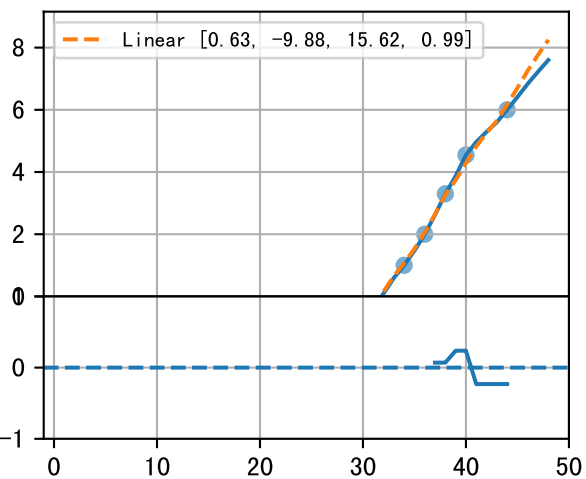
P6AW-058-22T2



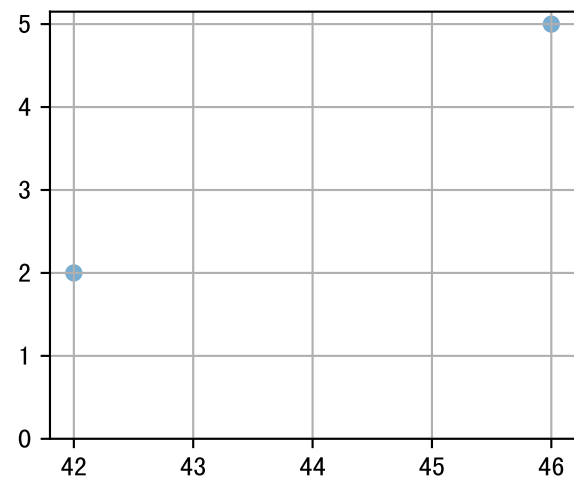
P6AW-074-9T1



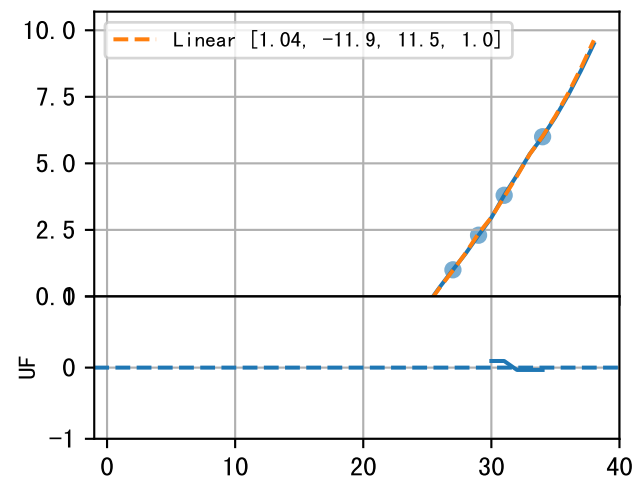
P6AW-074-9T2



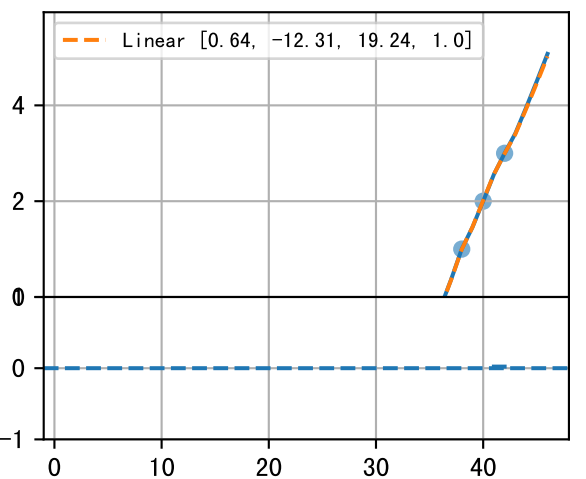
P6AW-074-9T3 (fit failed)



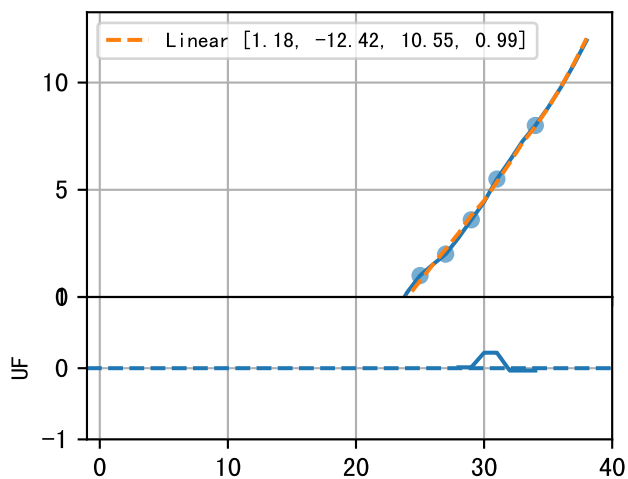
P6AW-087-14T1



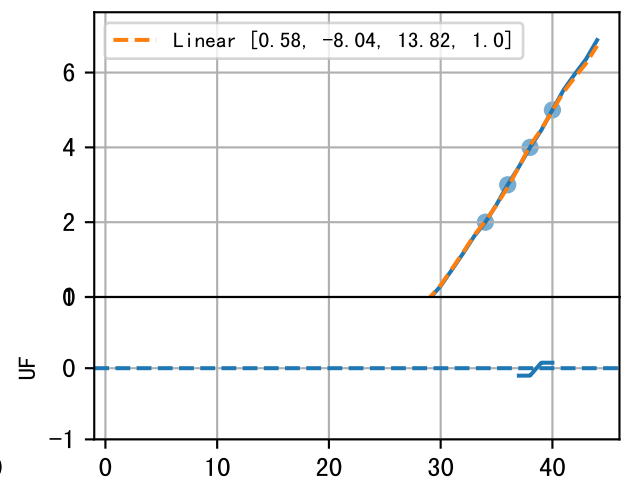
P6AW-087-14T2



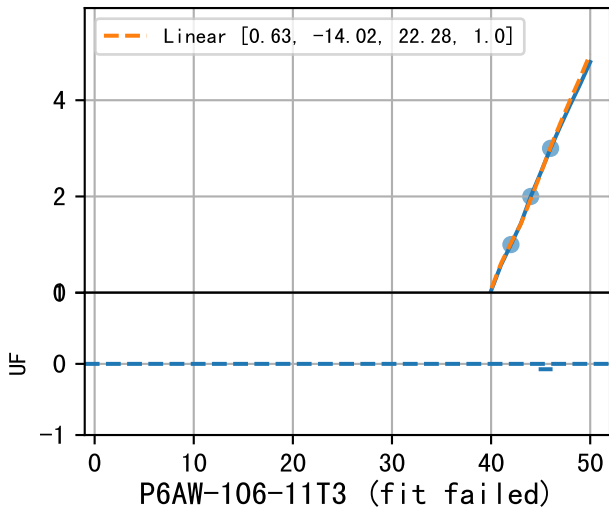
P6AW-095-29T1



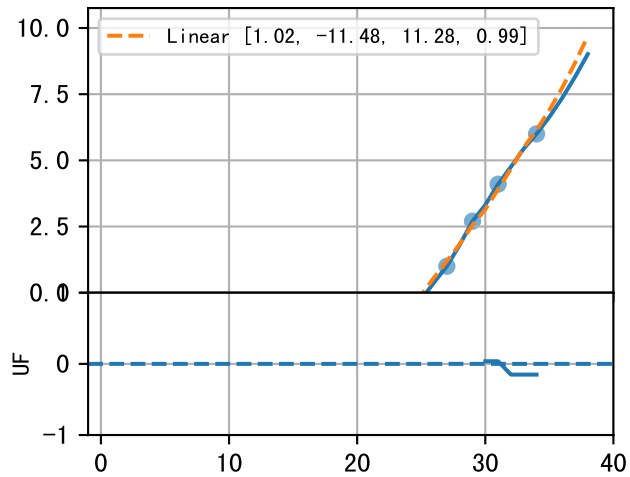
P6AW-095-29T2



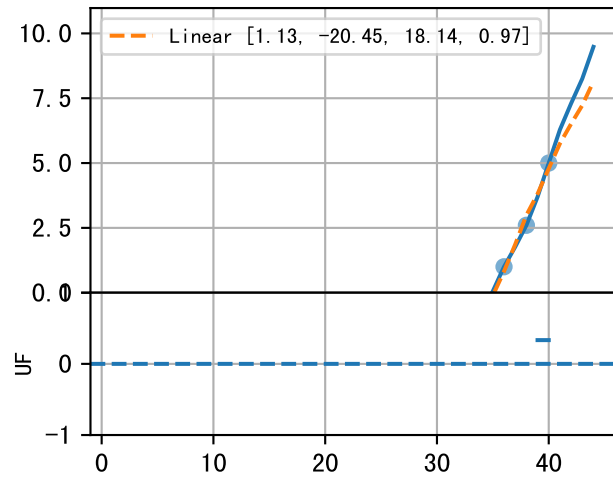
P6AW-095-29T3



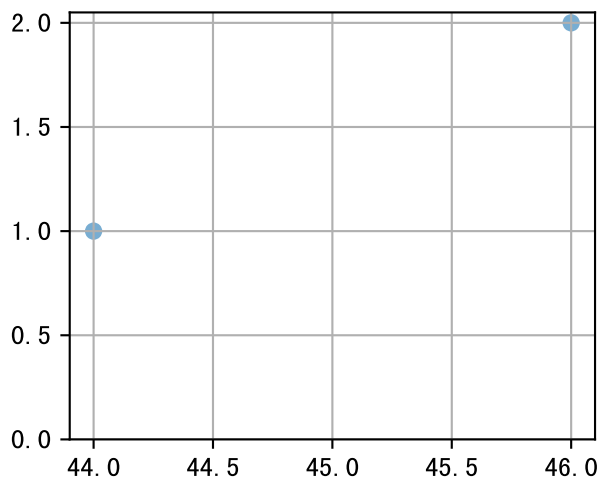
P6AW-106-11T1



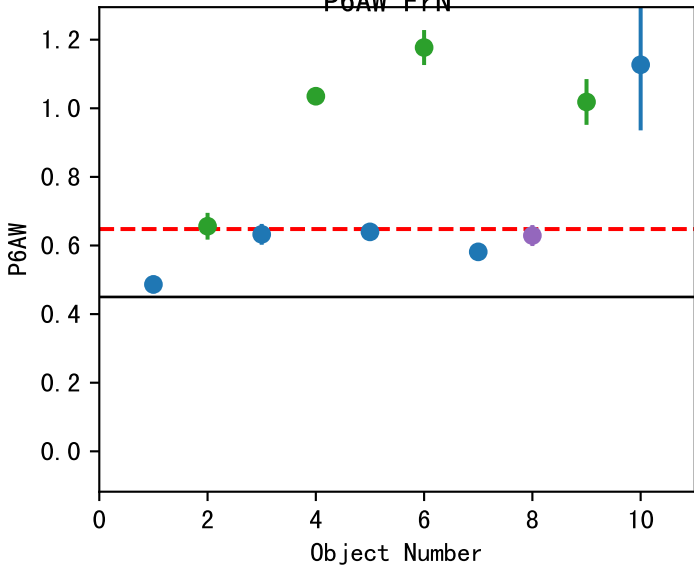
P6AW-106-11T2



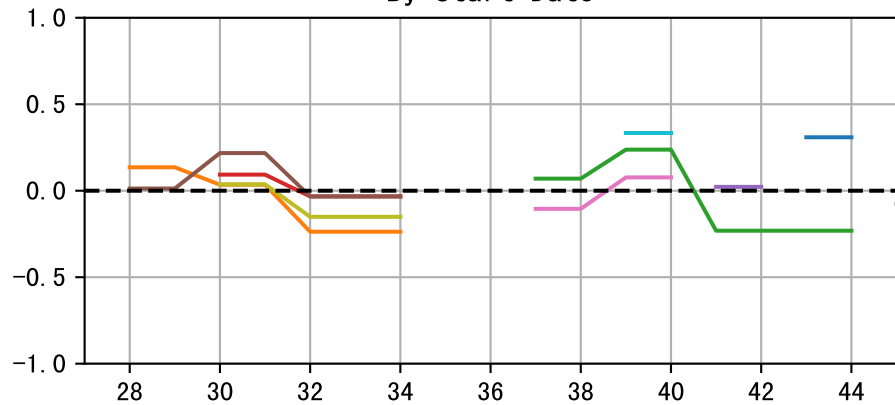
P6AW-106-11T3 (fit failed)



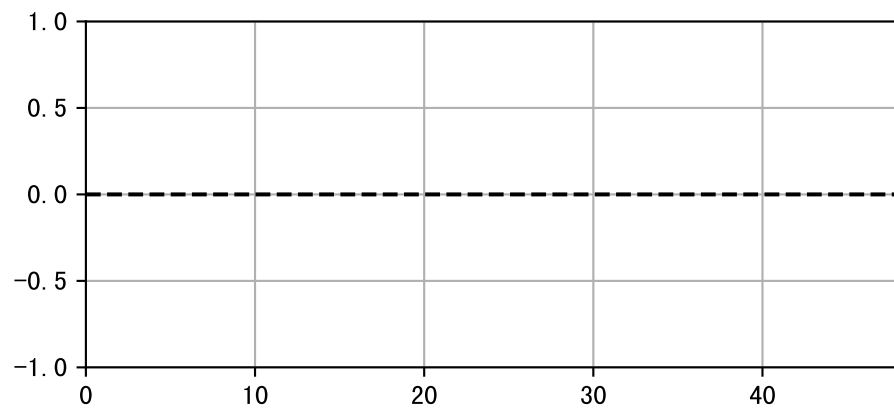
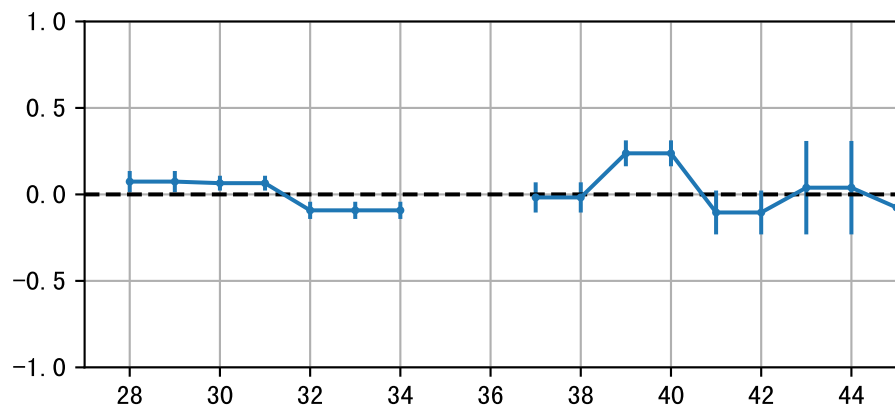
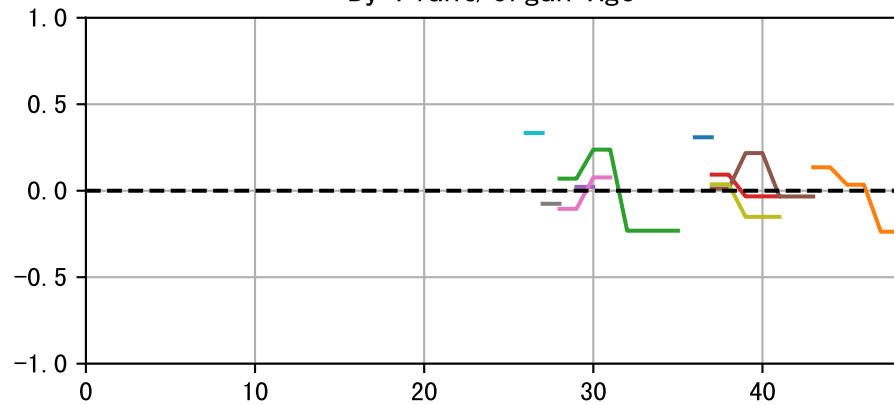
a (Def=0.45 Set=0.65)
avg1=0.65~40% avg2=na



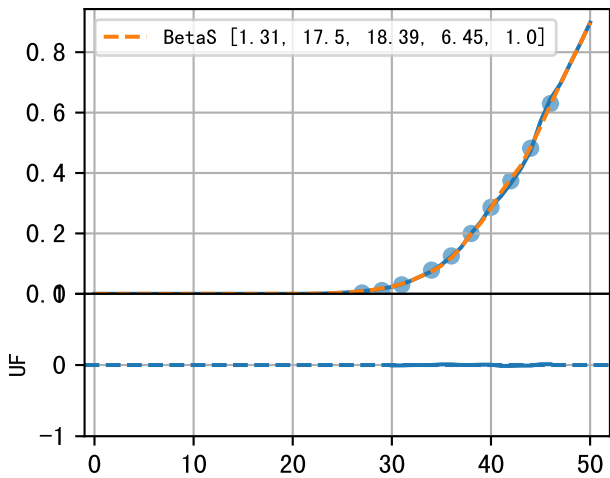
By Start Date



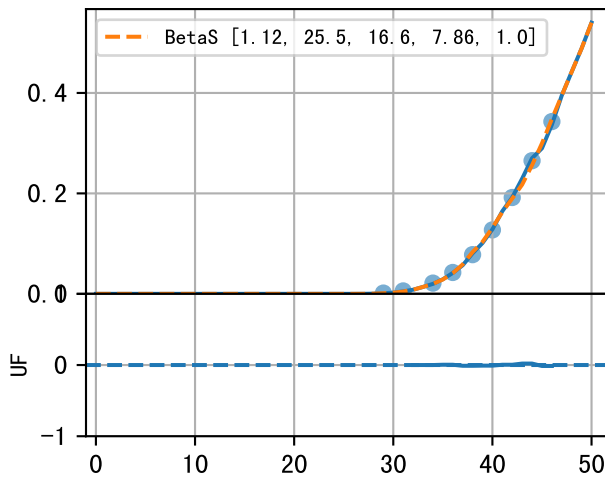
By Plant/Organ Age



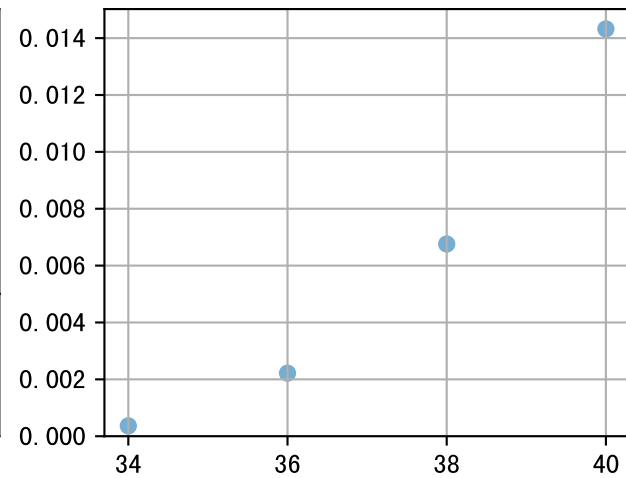
P6AW-058-22T1Fr1



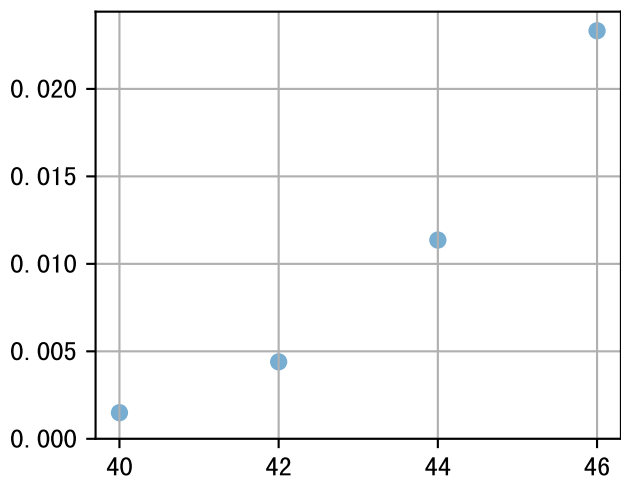
P6AW-058-22T1Fr5 (fit failed)



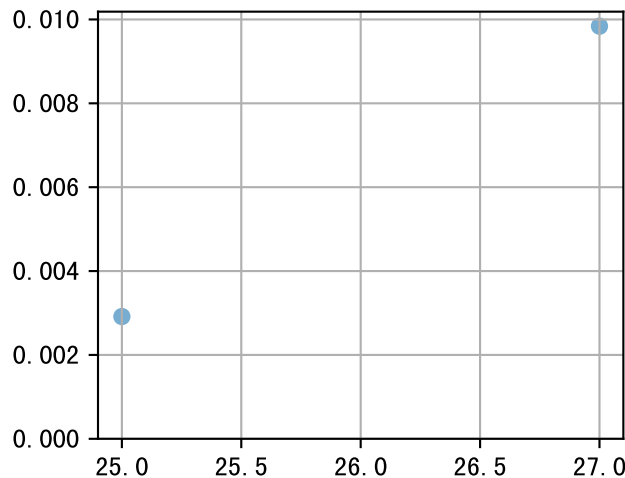
P6AW-058-22T2Fr1 (fit failed)



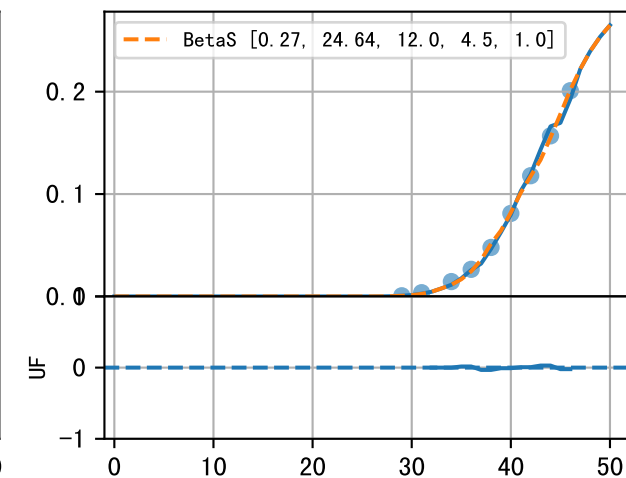
P6AW-058-22T2Fr5 (fit failed)



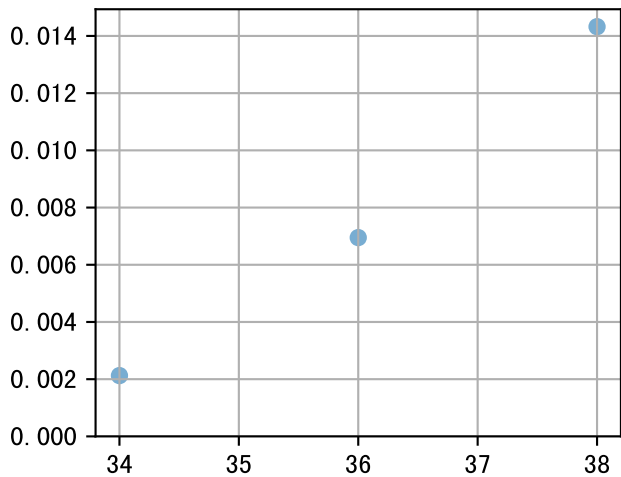
P6AW-074-9T1Fr1 (fit failed)



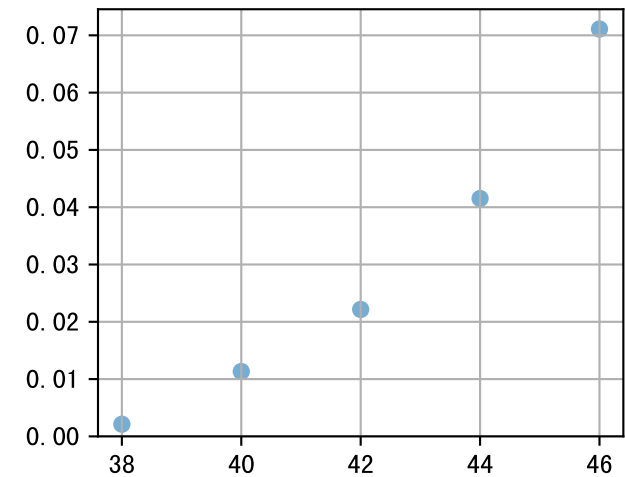
P6AW-074-9T1Fr5



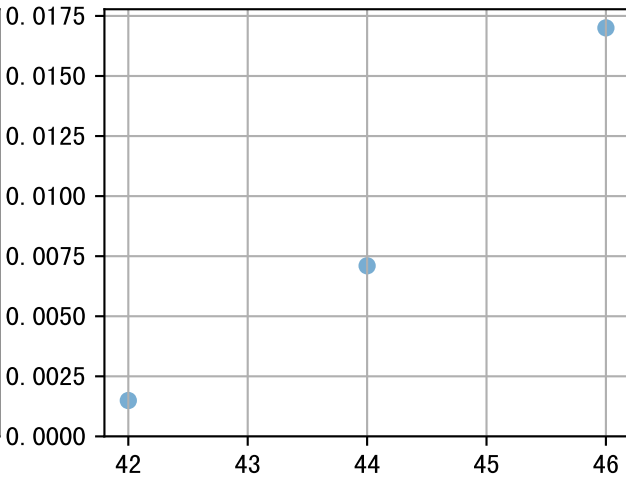
P6AW-074-9T2Fr1 (fit failed)



P6AW-074-9T2Fr5 (fit failed)

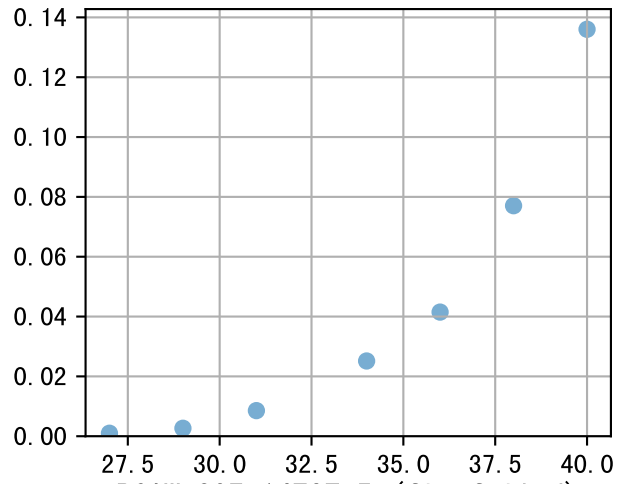


P6AW-074-9T3Fr1 (fit failed)

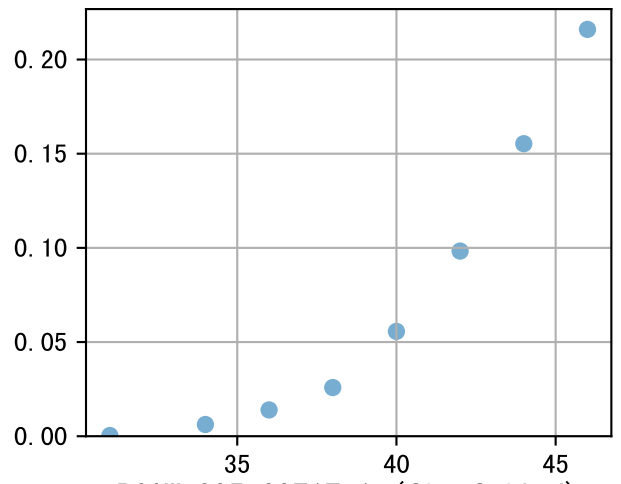


Fr^V

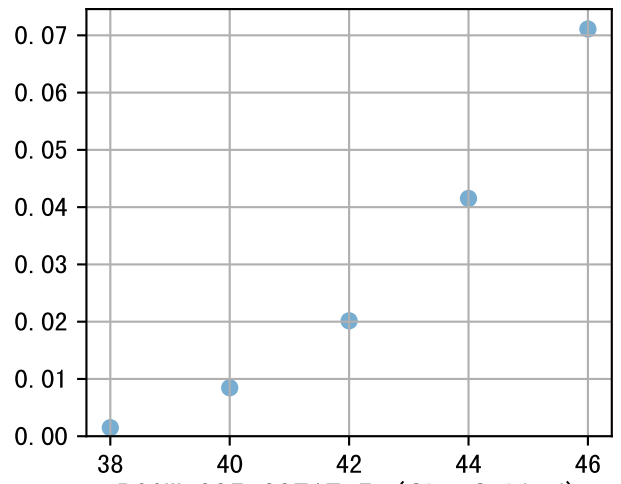
P6AW-087-14T1Fr1 (fit failed)



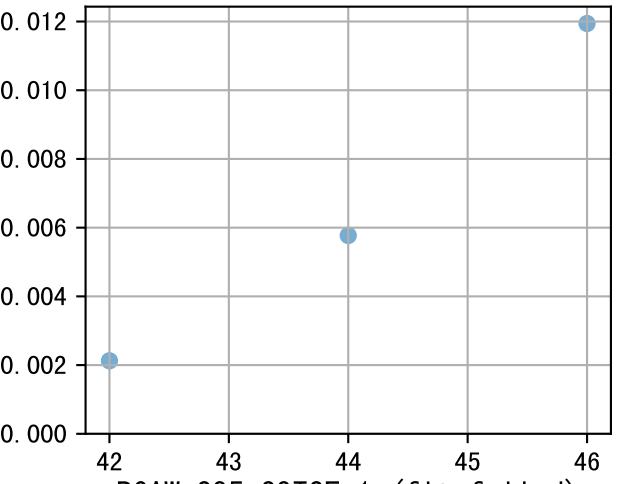
P6AW-087-14T1Fr5 (fit failed)



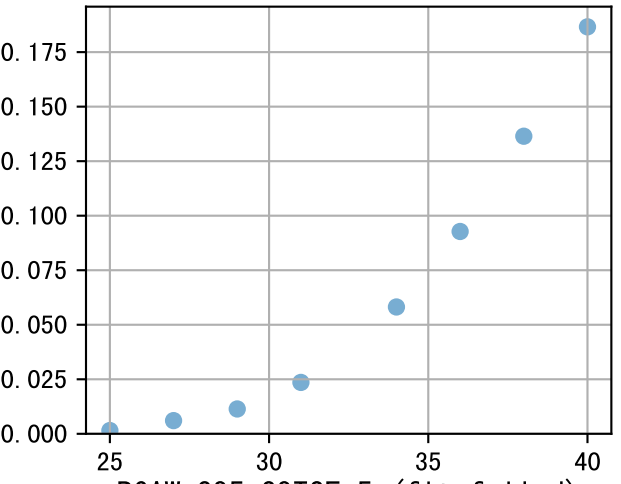
P6AW-087-14T2Fr1 (fit failed)



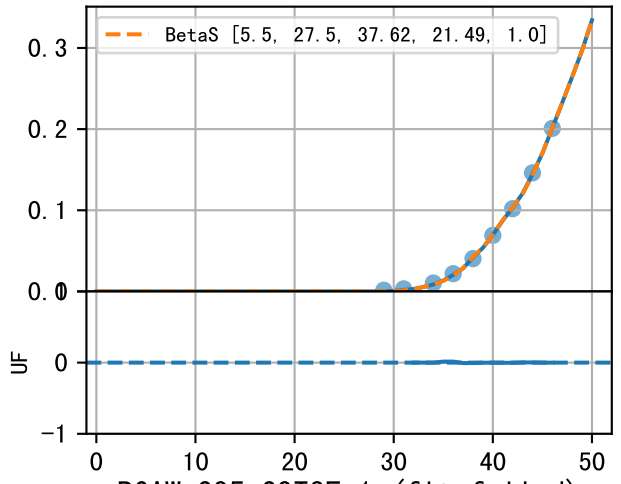
P6AW-087-14T2Fr5 (fit failed)



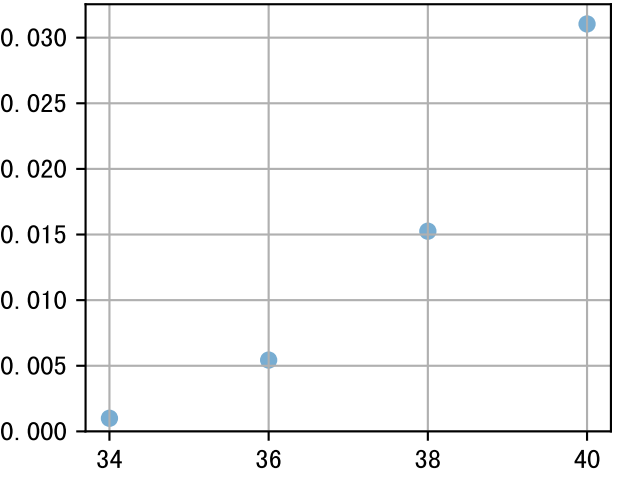
P6AW-095-29T1Fr1 (fit failed)



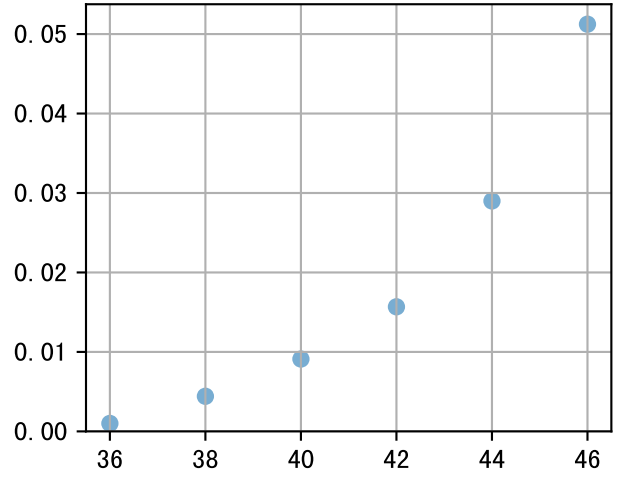
P6AW-095-29T1Fr5 (fit failed)



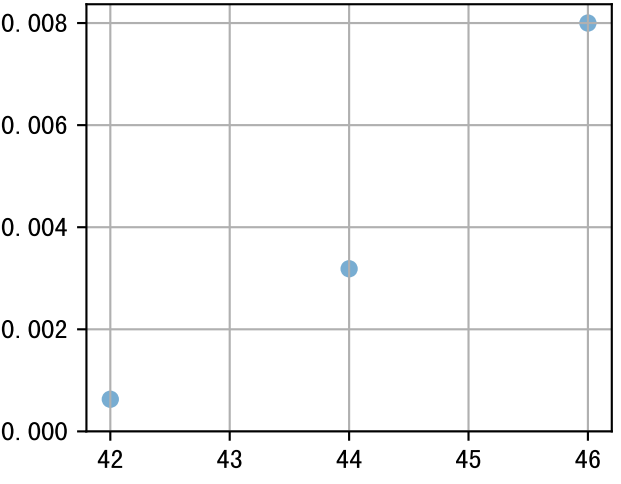
P6AW-095-29T2Fr1 (fit failed)



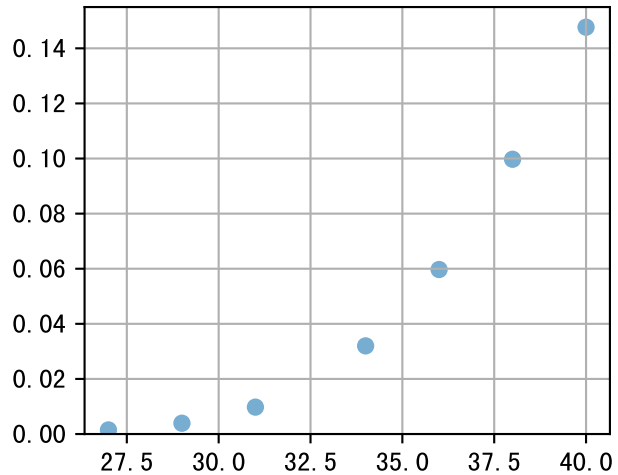
P6AW-095-29T2Fr5 (fit failed)



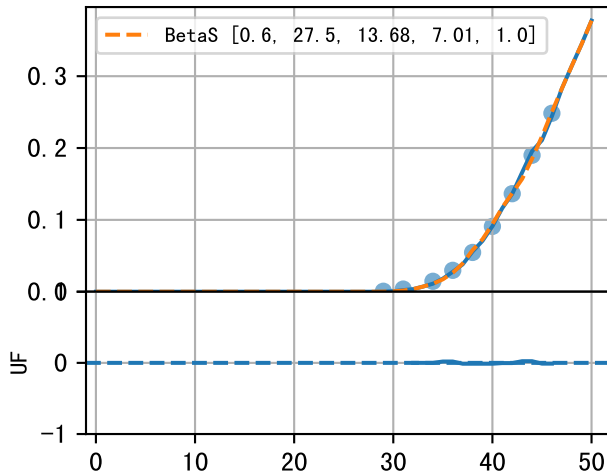
P6AW-095-29T3Fr1 (fit failed)



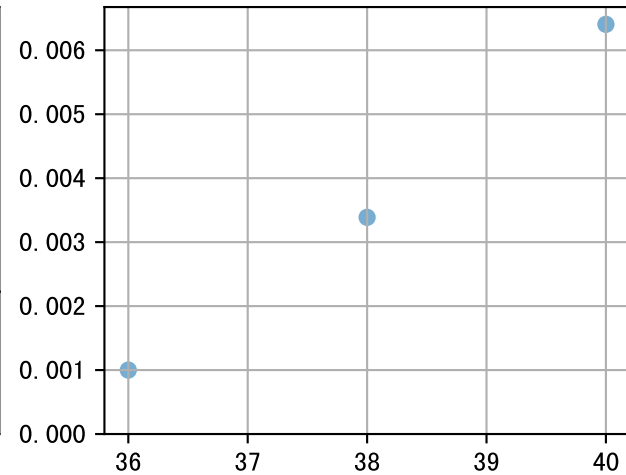
P6AW-106-11T1Fr1 (fit failed)



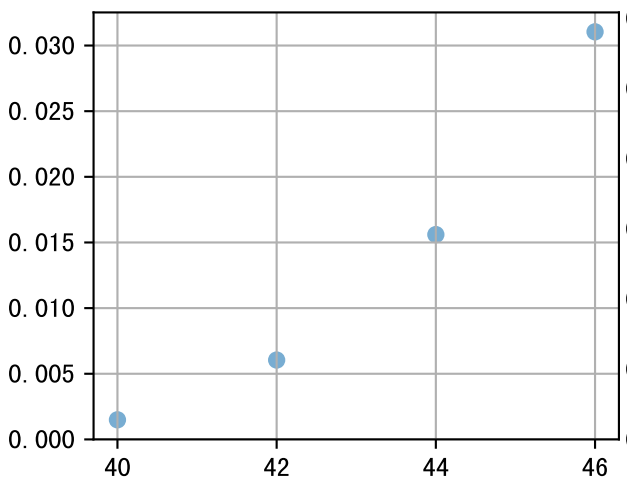
P6AW-106-11T1Fr5 (fit failed)



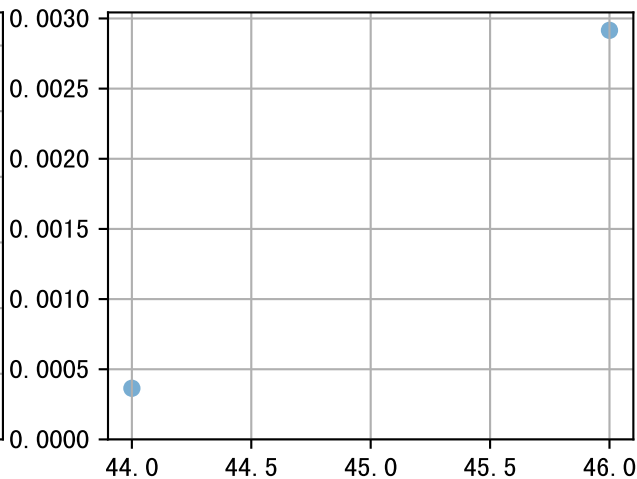
P6AW-106-11T2Fr1 (fit failed)

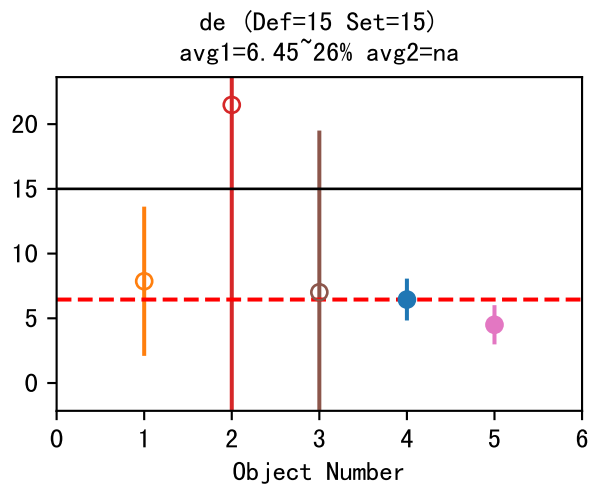
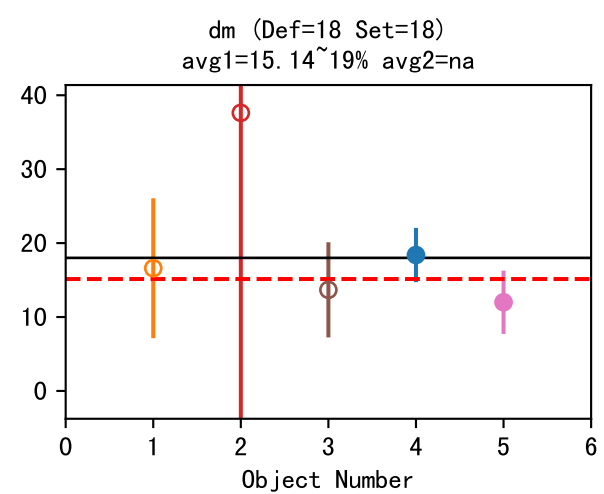
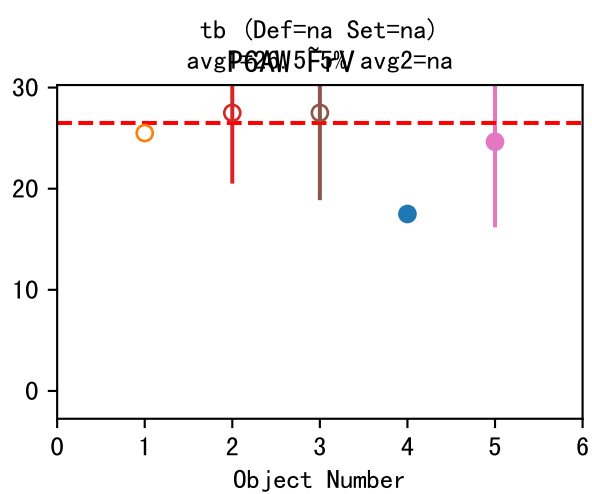
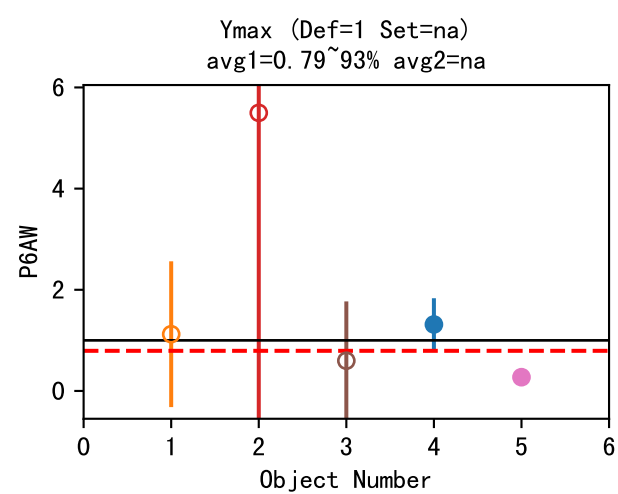


P6AW-106-11T2Fr5 (fit failed)



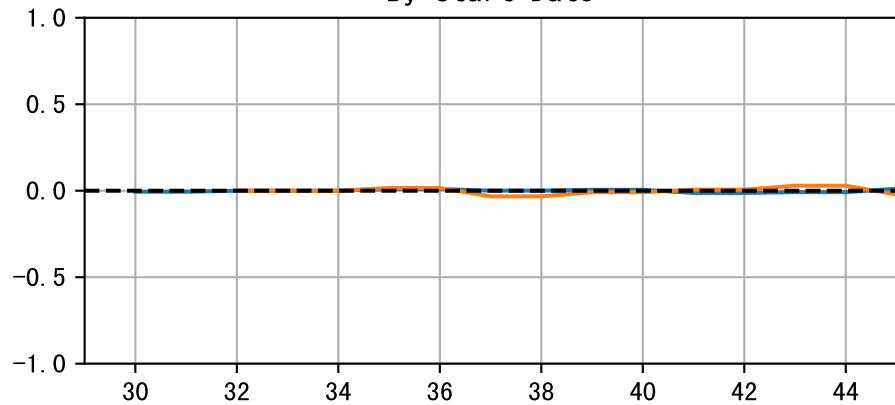
P6AW-106-11T3Fr1 (fit failed)



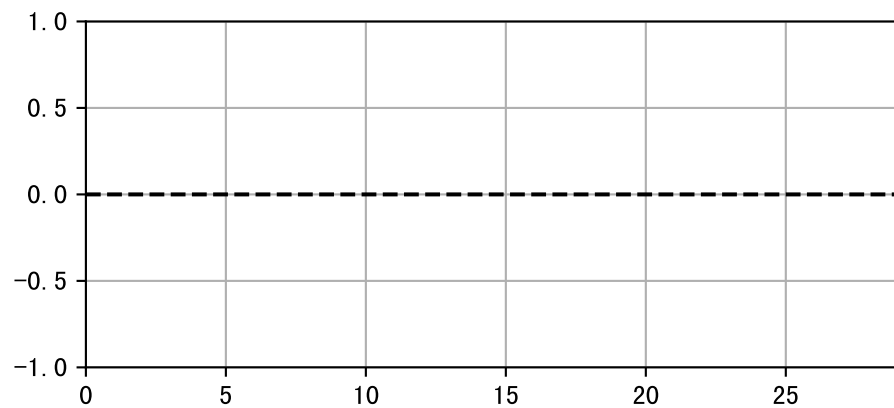
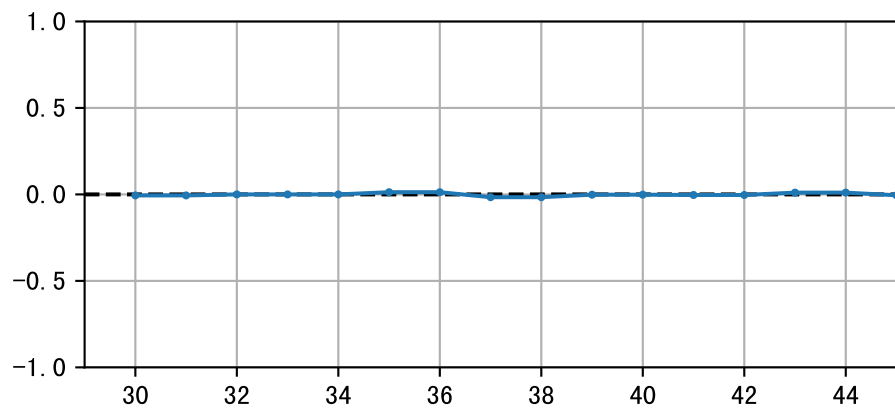
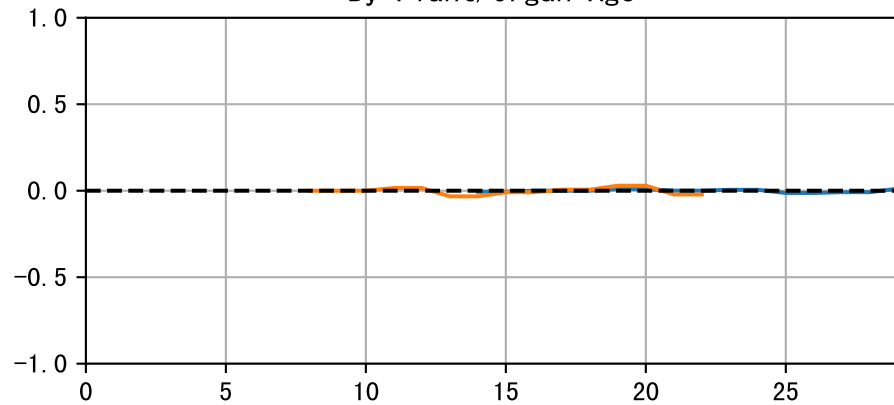


FrV

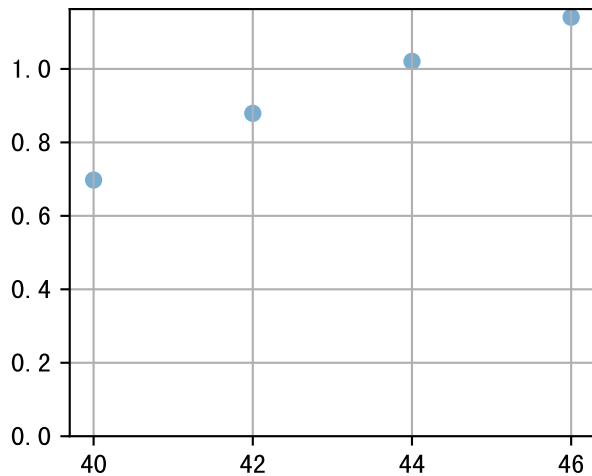
By Start Date



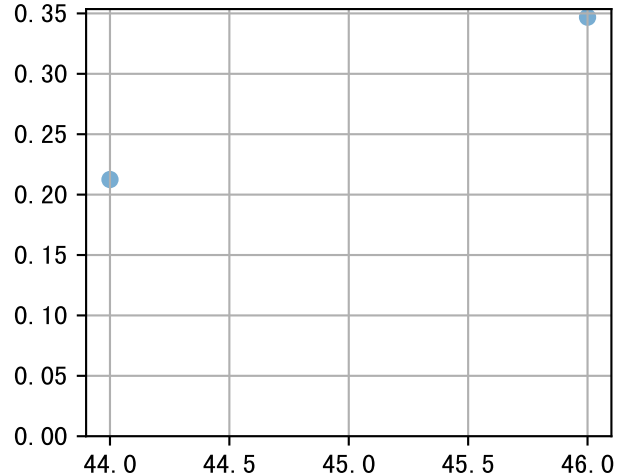
By Plant/Organ Age



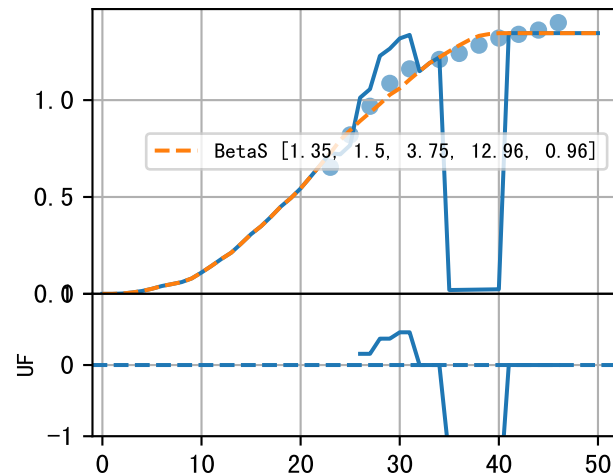
P6AW-058-22L12 (fit failed)



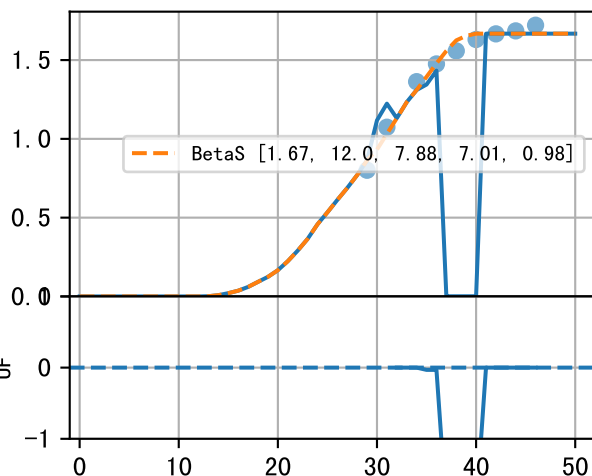
P6AW-058-22L15 (fit failed)



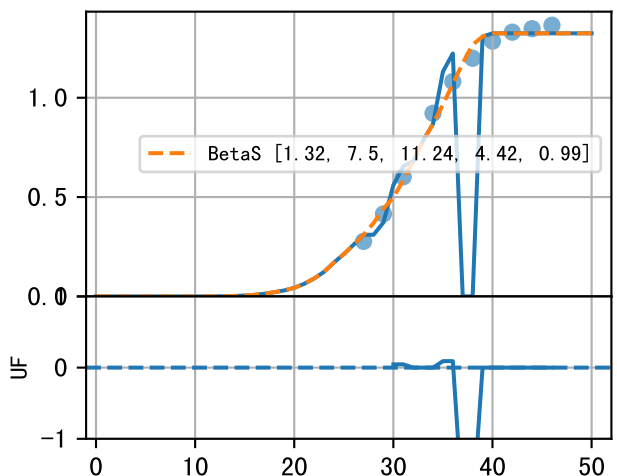
P6AW-058-22L6 (fit failed)



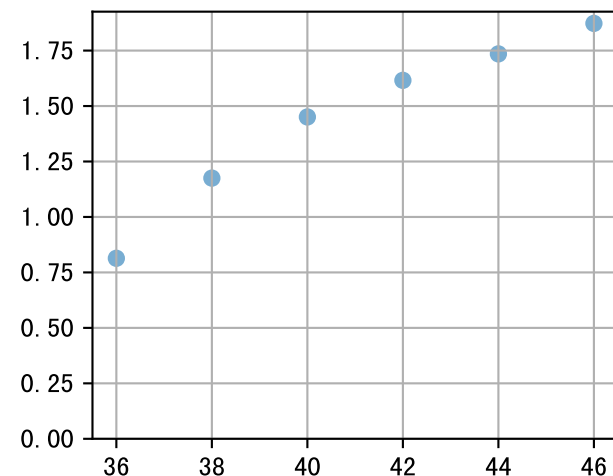
P6AW-058-22L9 (fit failed)



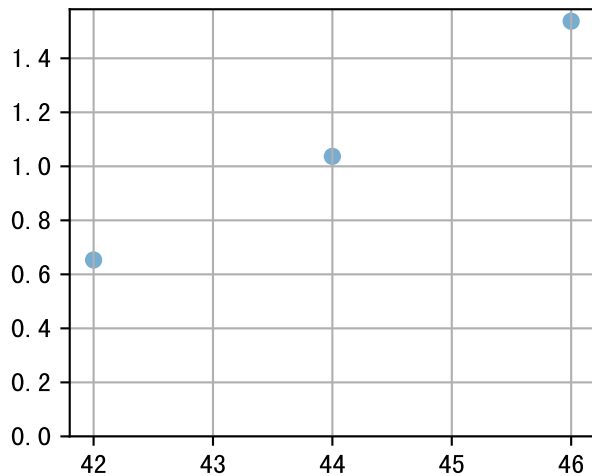
P6AW-074-9L10 (fit failed)



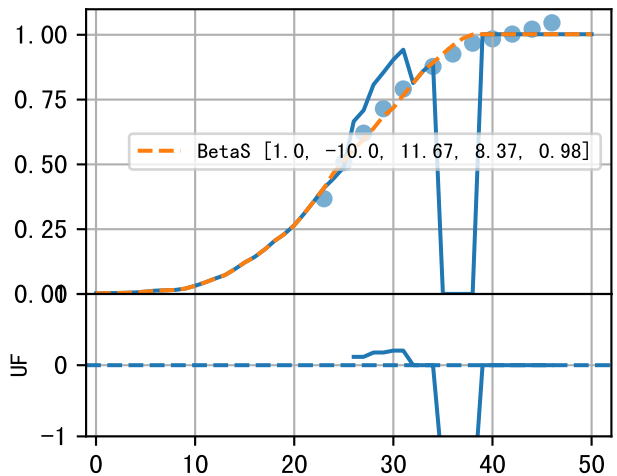
P6AW-074-9L13 (fit failed)



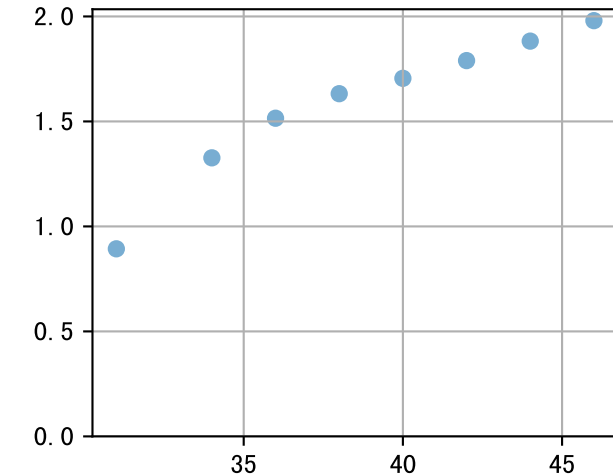
P6AW-074-9L16 (fit failed)



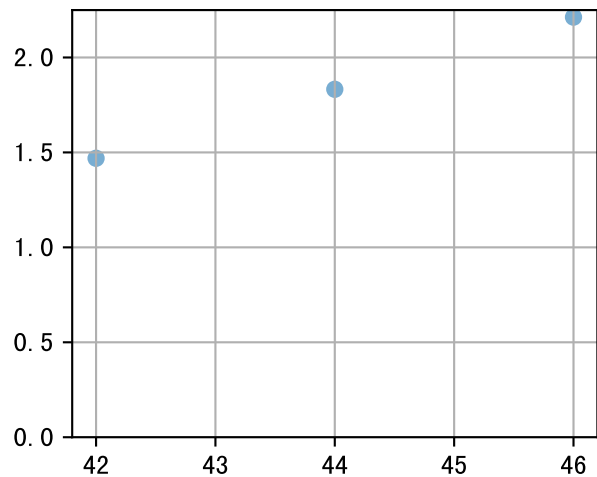
P6AW-074-9L7 (fit failed)



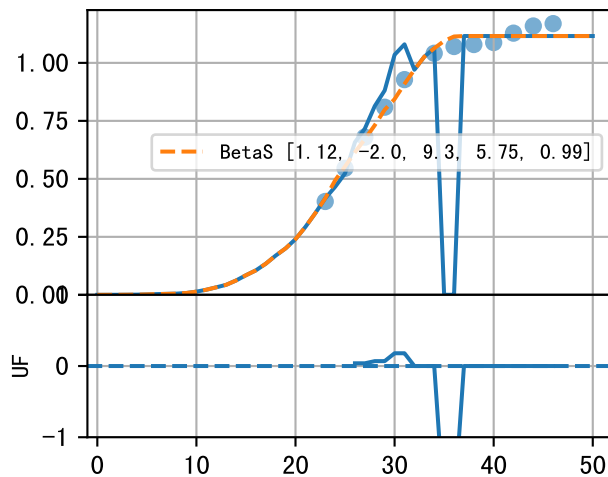
P6AW-087-14L10 (fit failed)



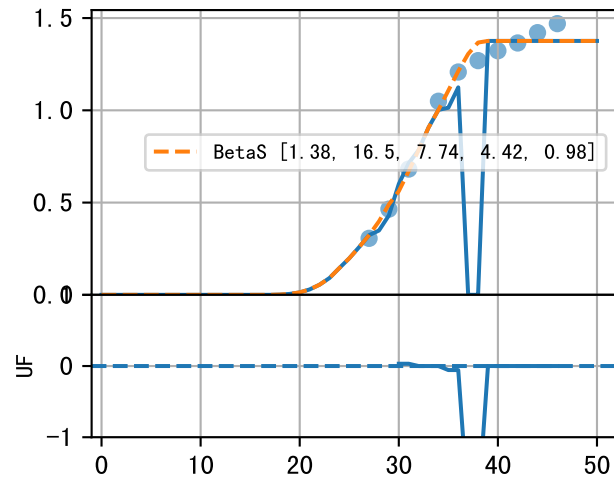
P6AW-087-14L13 (fit failed)



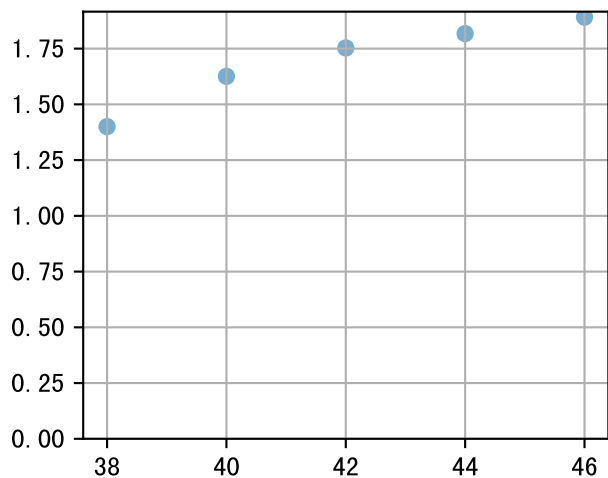
P6AW-087-14L7 (fit failed)



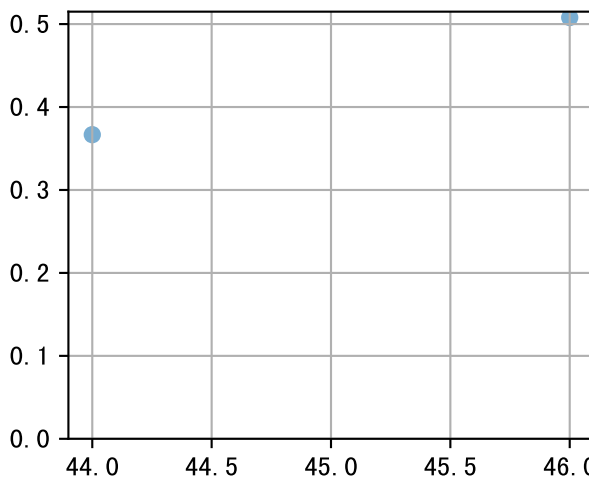
P6AW-095-29L10



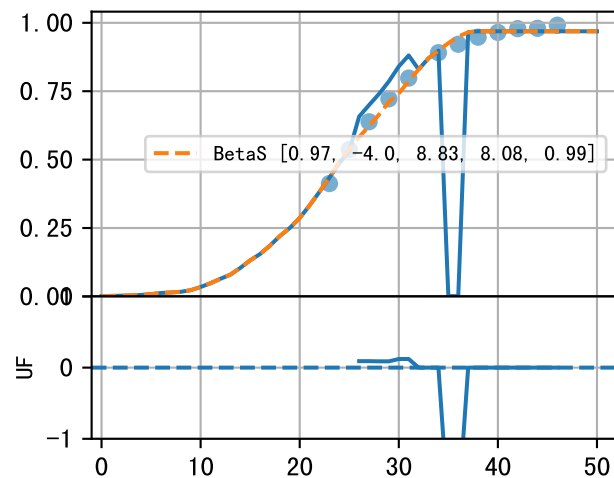
P6AW-095-29L13 (fit failed)



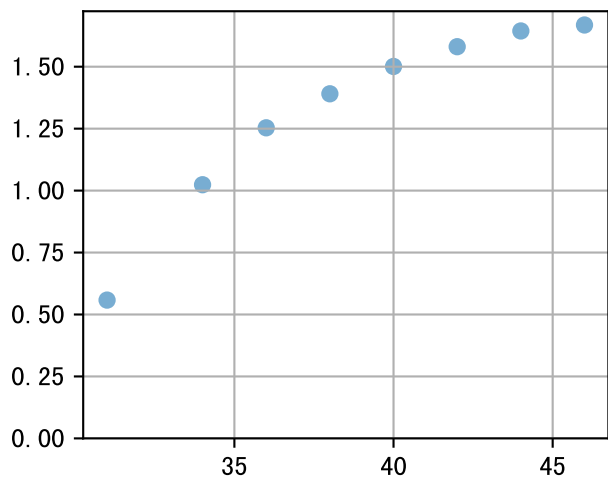
P6AW-095-29L16 (fit failed)



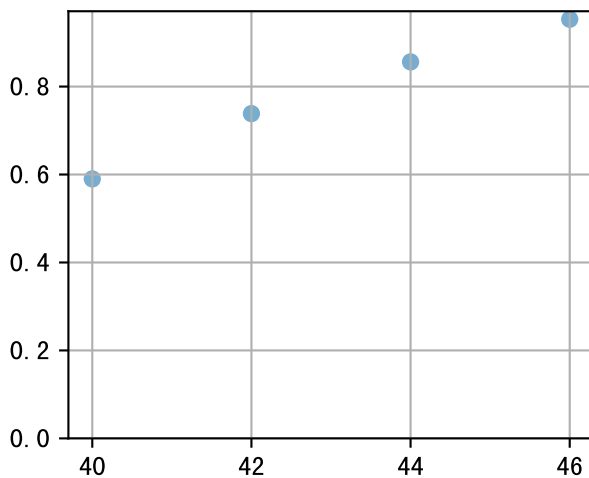
P6AW-095-29L7 (fit failed)



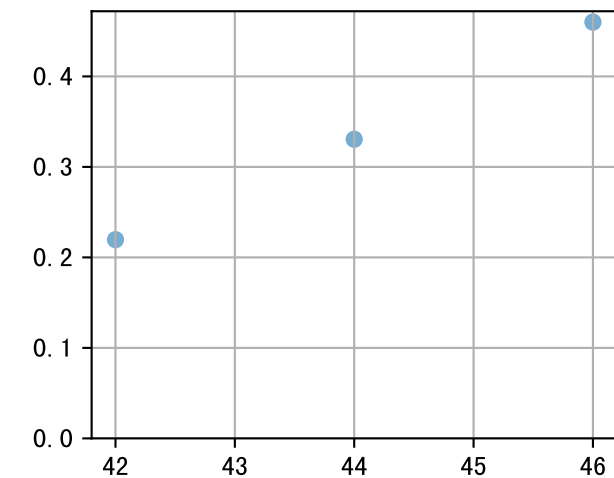
P6AW-106-11L10 (fit failed)



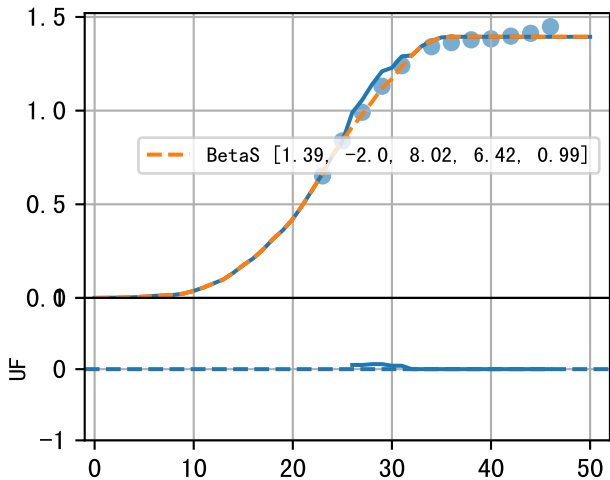
P6AW-106-11L13 (fit failed)



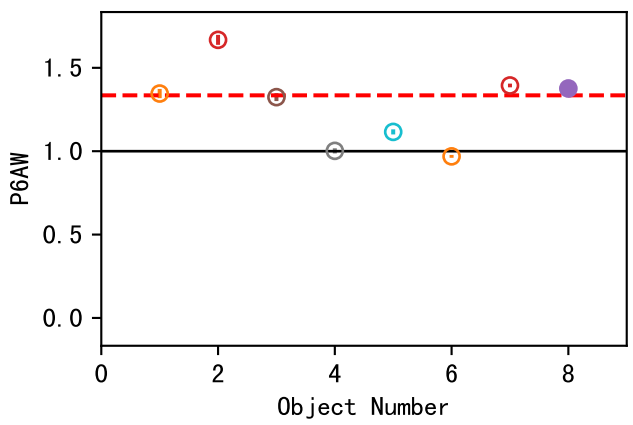
P6AW-106-11L16 (fit failed)



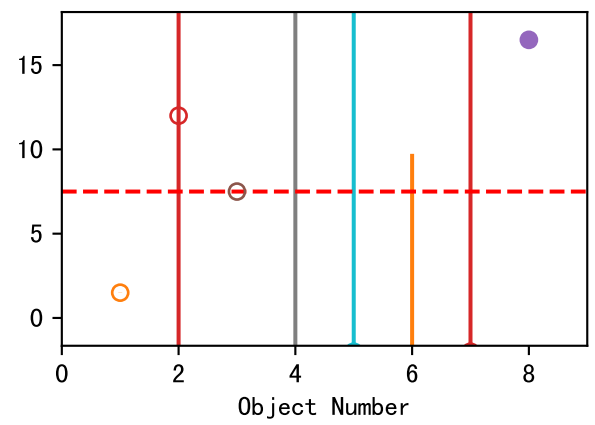
P6AW-106-11L7 (fit failed)



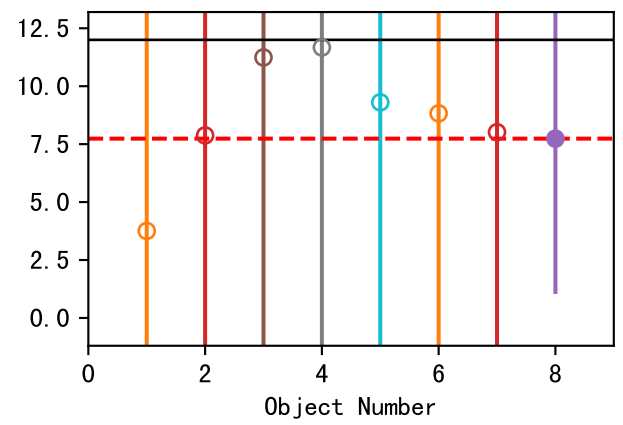
Ymax (Def=1 Set=1.33)
avg1=1.33~17% avg2=na



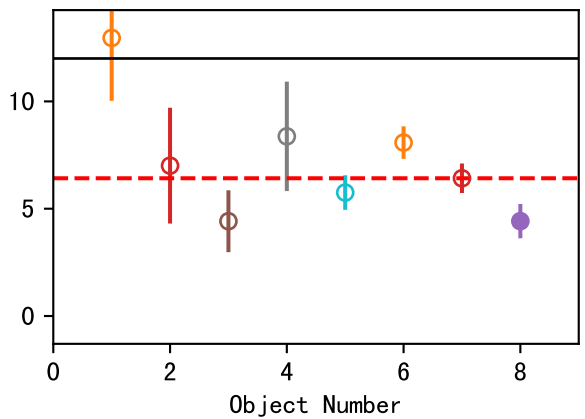
tb (Def=na Set=na)
avg1=1.07~10% avg2=na



dm (Def=12 Set=12)
avg1=7.74 avg2=na

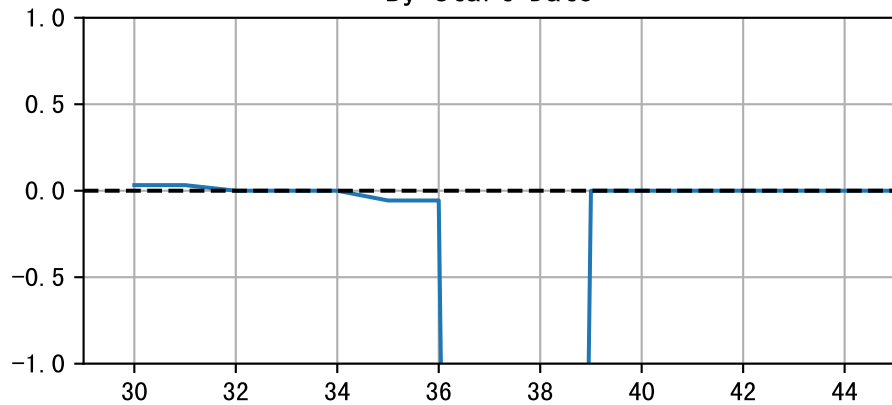


de (Def=12 Set=6.42)
avg1=6.42~25% avg2=na

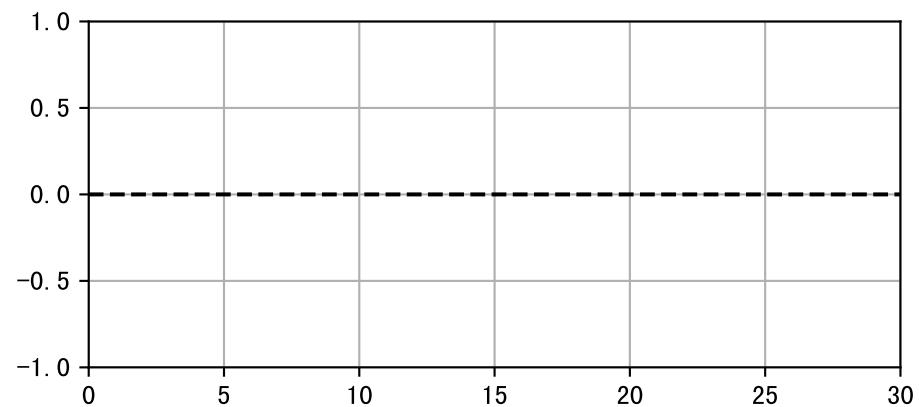
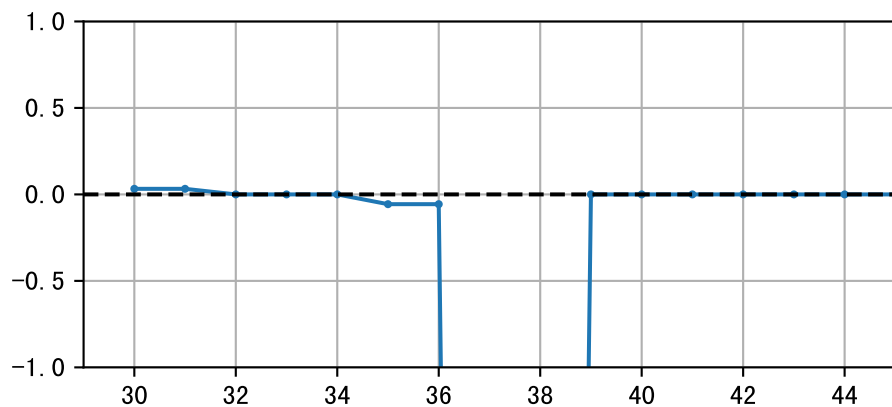
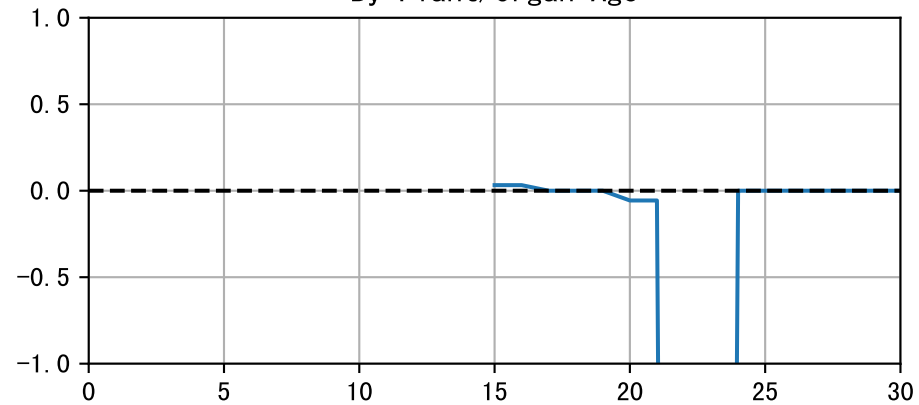


LfA

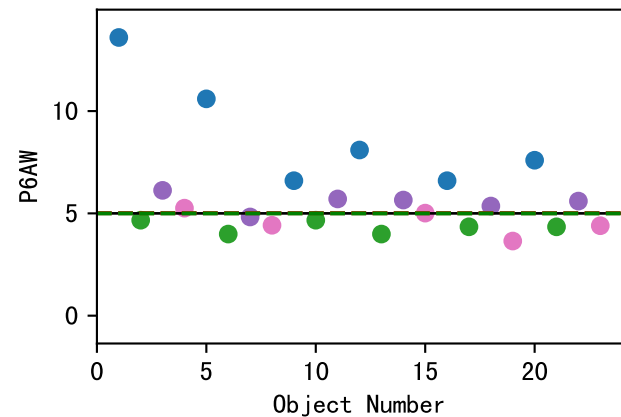
By Start Date



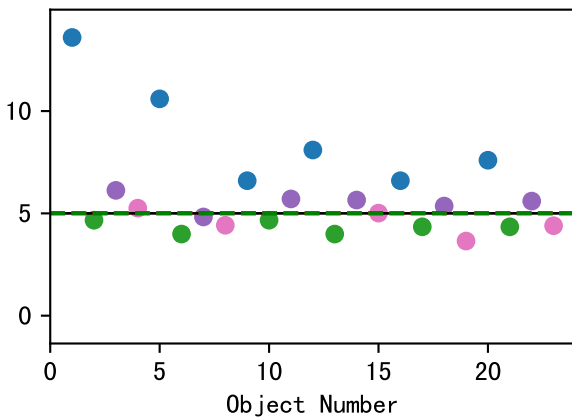
By Plant/Organ Age



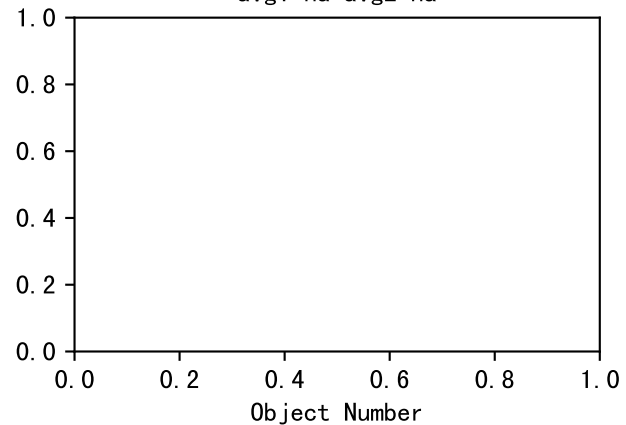
Fl_dm (Def=5 Set=5.01)
avg1=5.01~23% avg2=5.0~30%



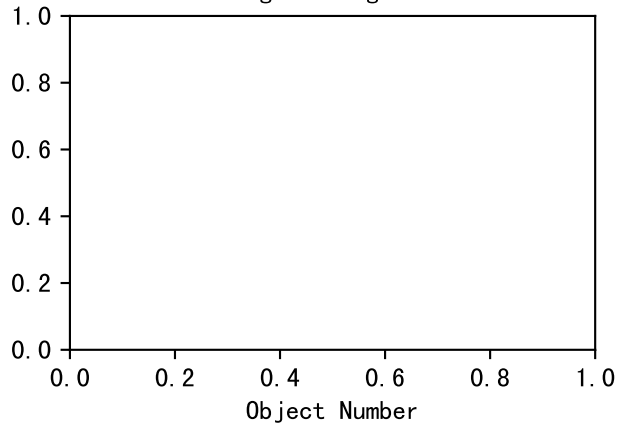
Fl_de (Def=5 Set=5.01)
avg1=5.01~23% avg2=5.0~30%



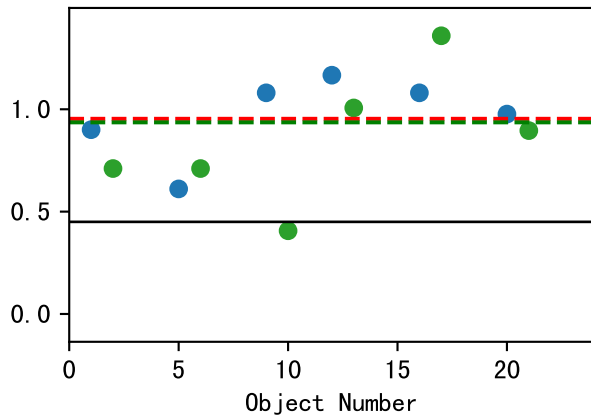
FrV_dm (Def=18 Set=18)
avg1=na avg2=na



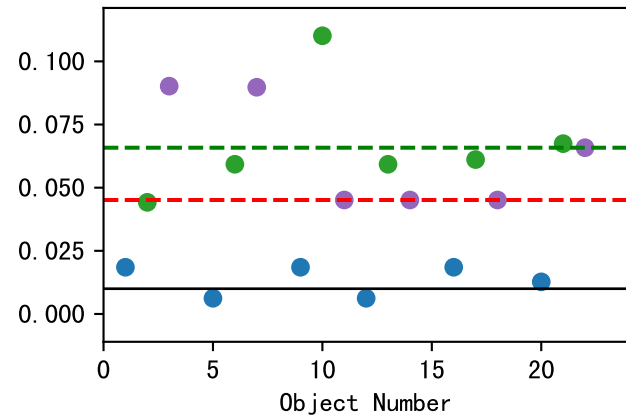
FrV_de (Def=15 Set=15)
avg1=na avg2=na



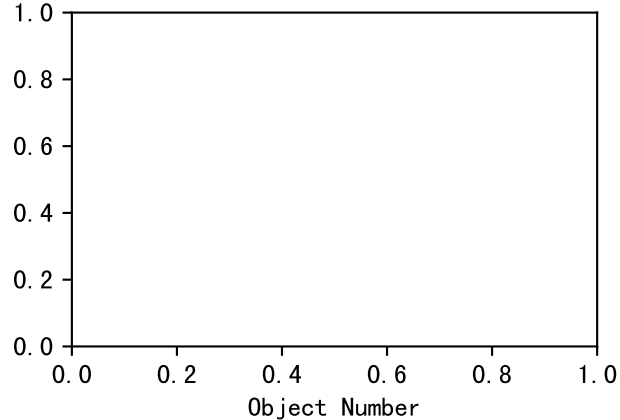
FrN_a (Def=0.45 Set=0.95)
avg1=0.95~30% avg2=0.94~6%



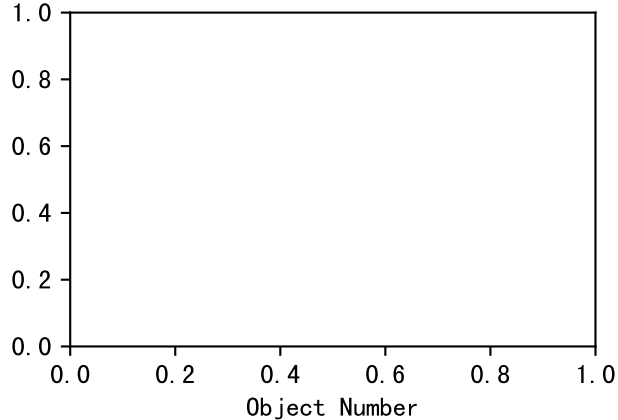
FSDdevStage (Def=0.01 Set=0.05)
avg1=0.05~70% avg2=0.07~47%



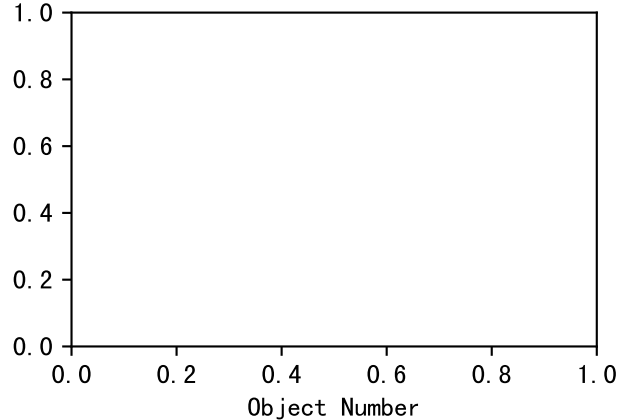
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



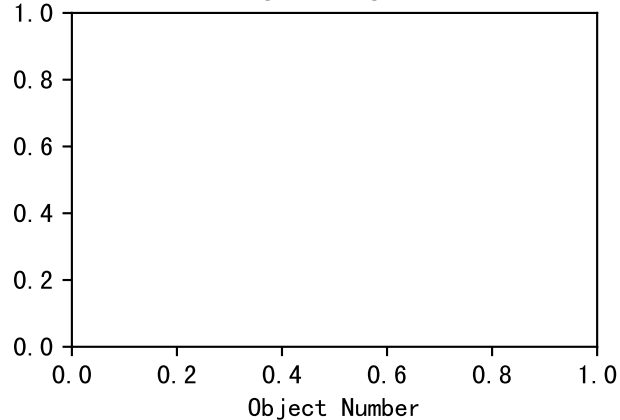
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



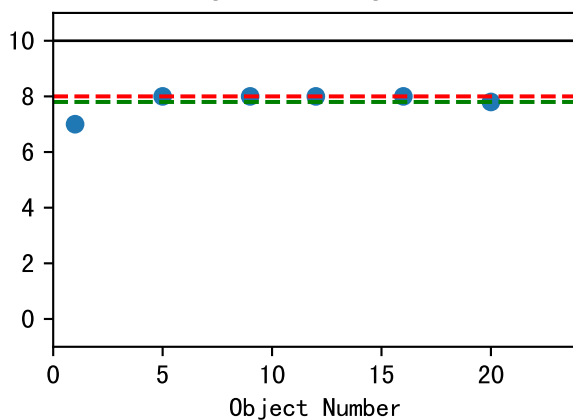
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

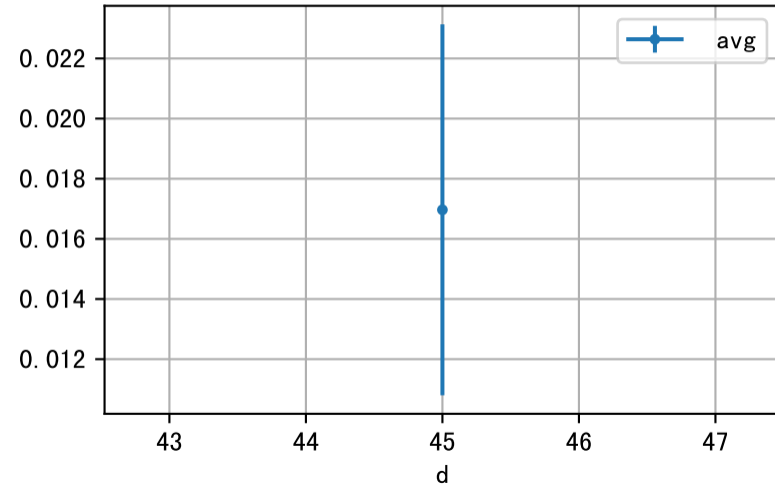


NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=7.8

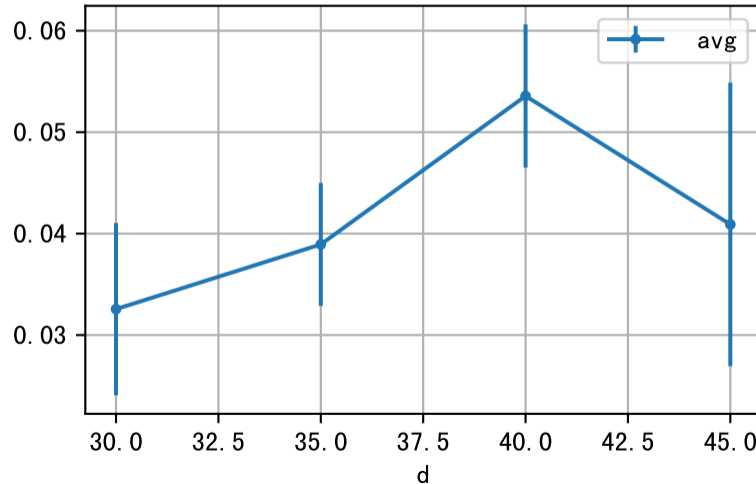


LfA: avg vs. d at each age group

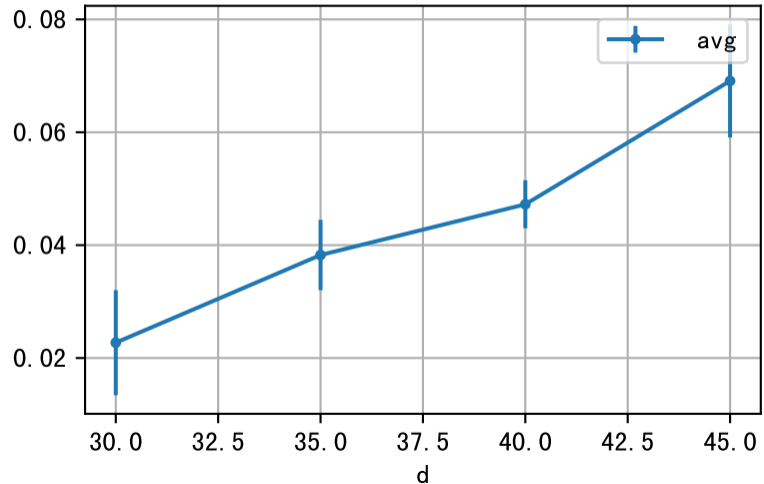
age=15



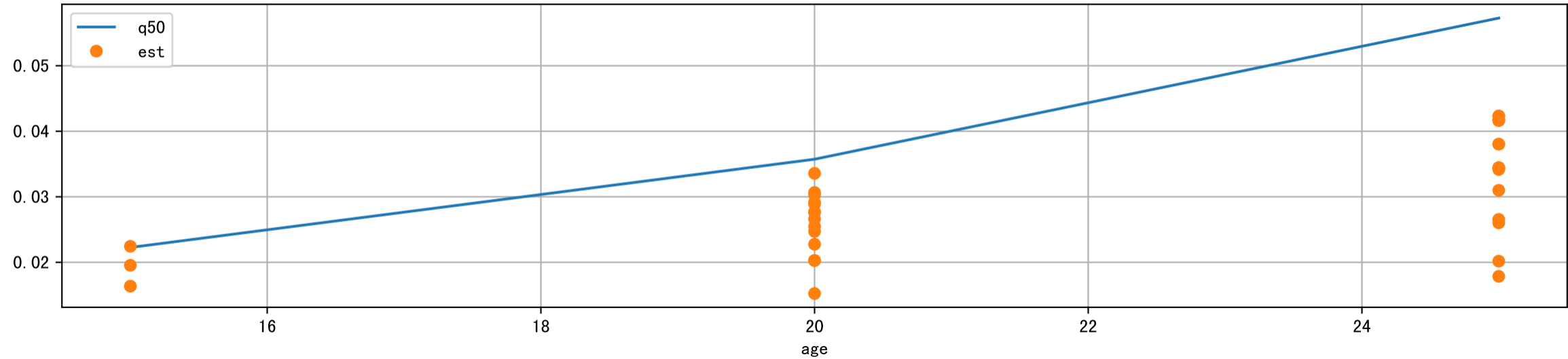
age=20



age=25



LfA: model est vs obs0v@Q50

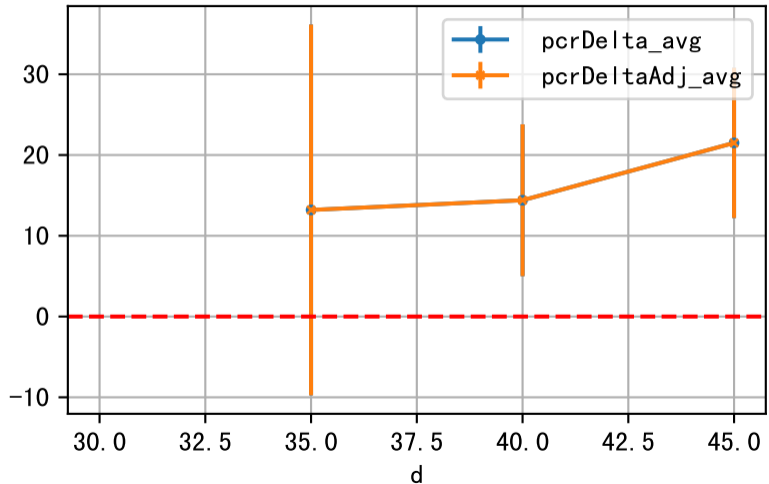
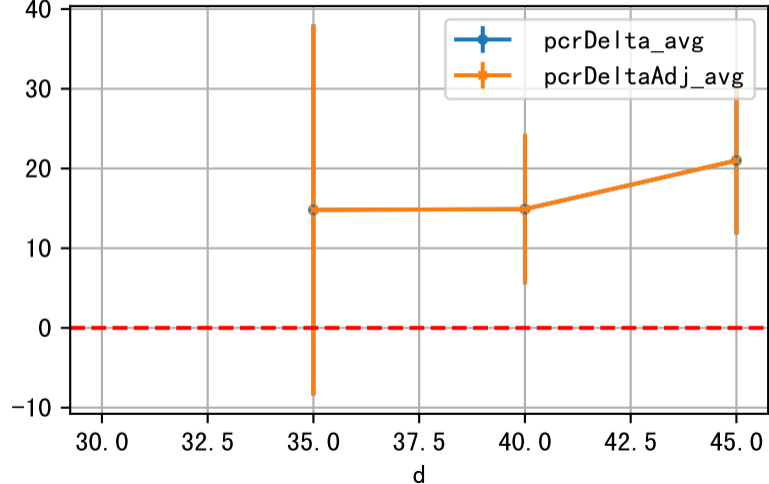
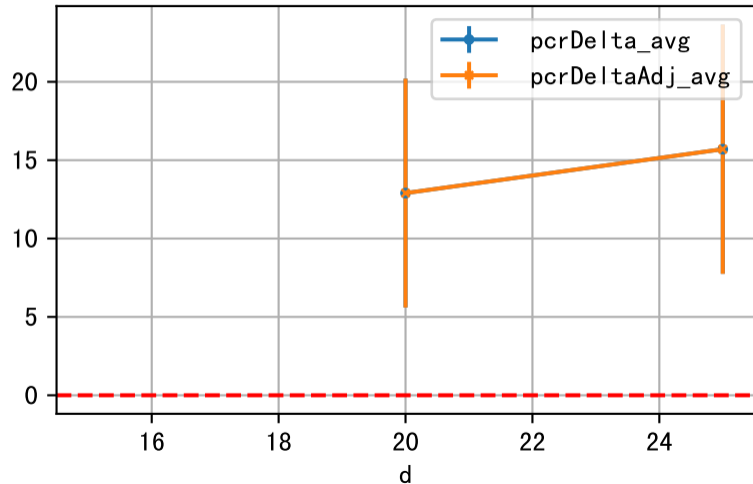


P6AW LfA: D_5d_LfA

DeltaTypeAbbr=GrpByAge

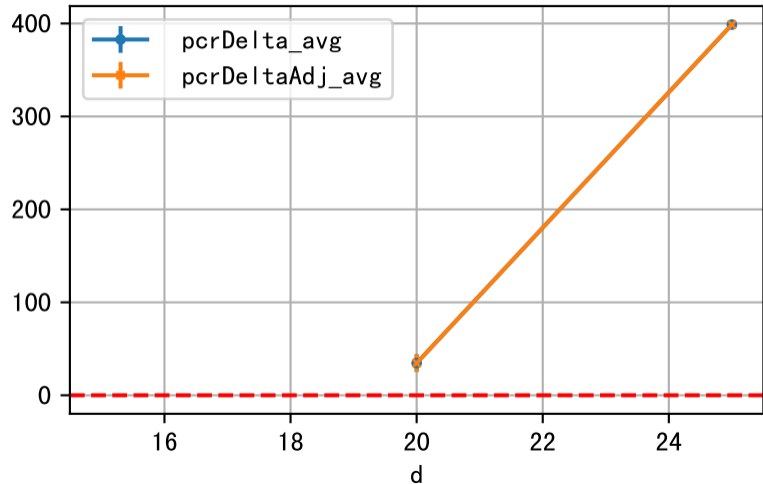
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

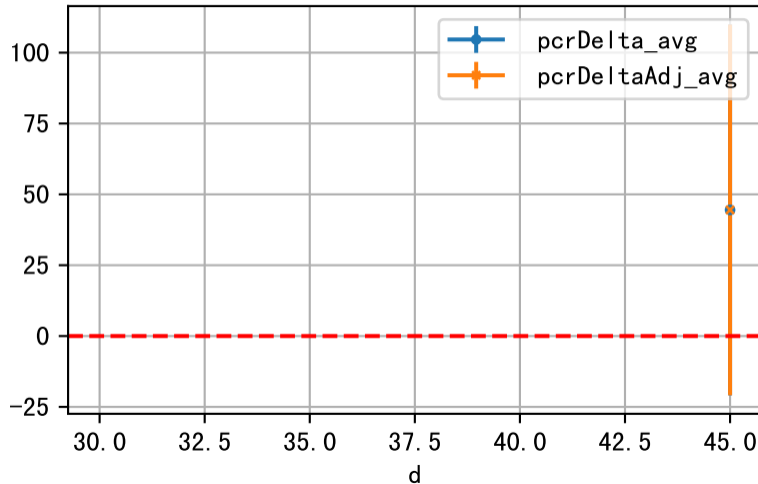


P6AW LfA: D_15d_LfA

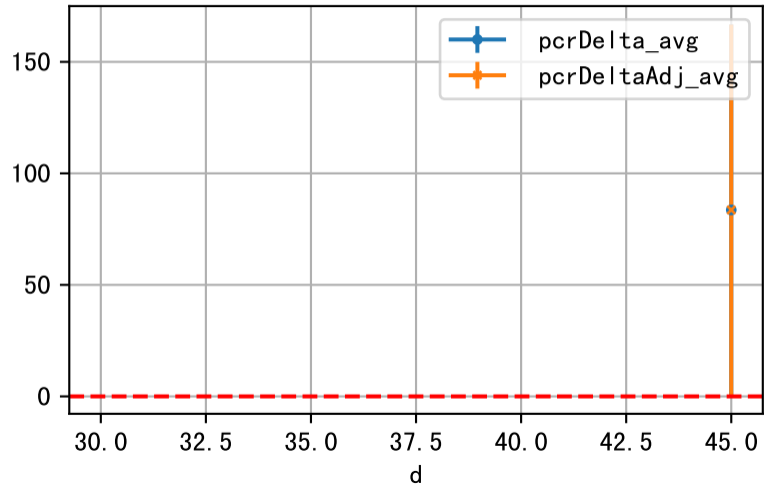
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

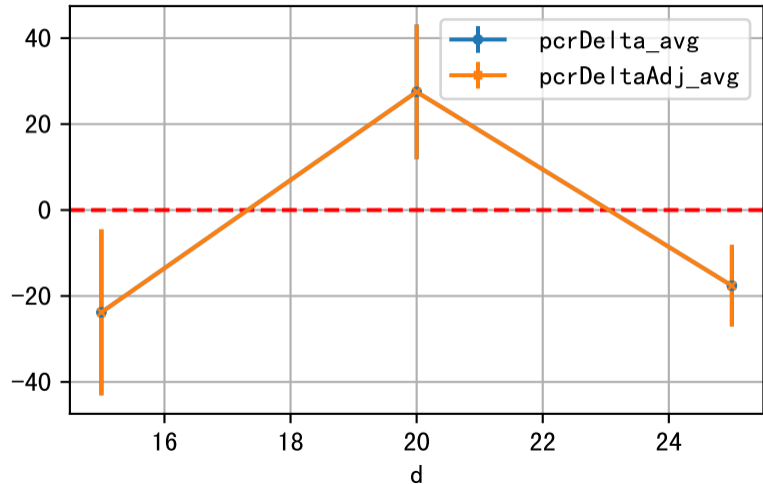


DeltaTypeAbbr=Wei AvgByD

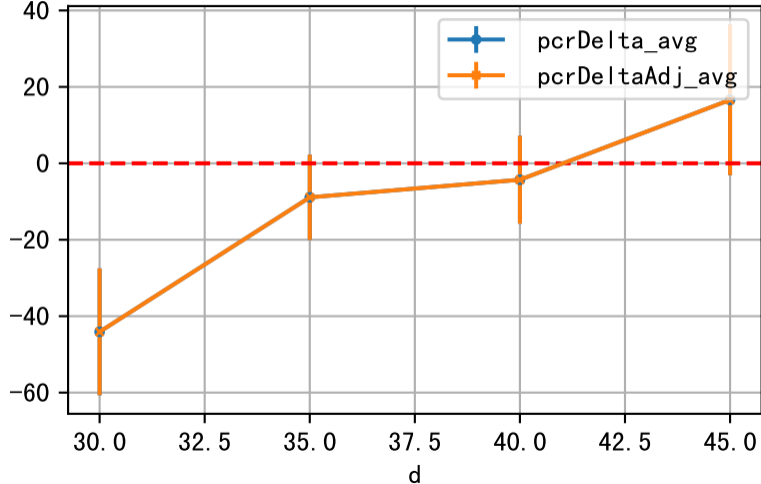


P6AW LfA: D_Q50_LfA

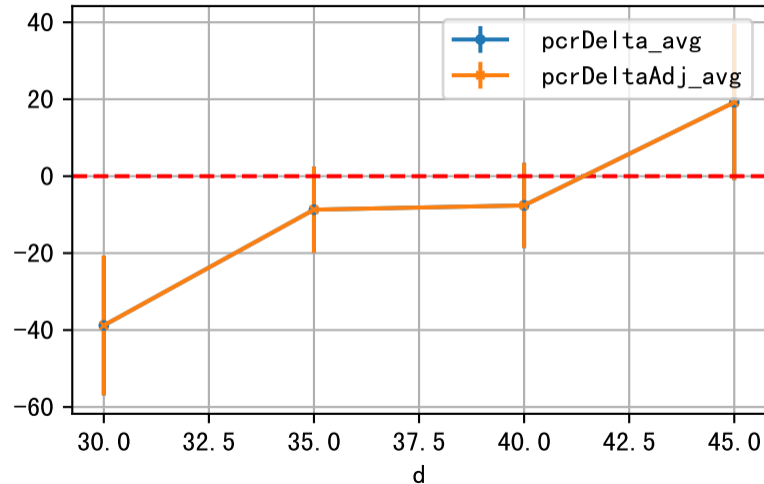
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

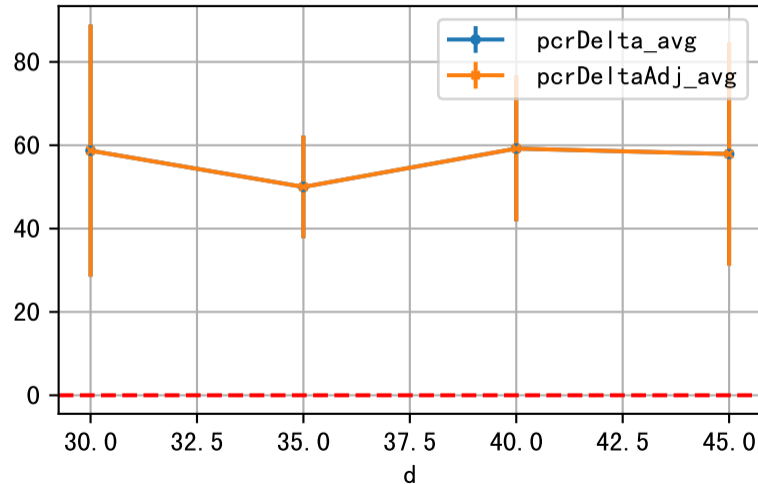


DeltaTypeAbbr=Wei AvgByD

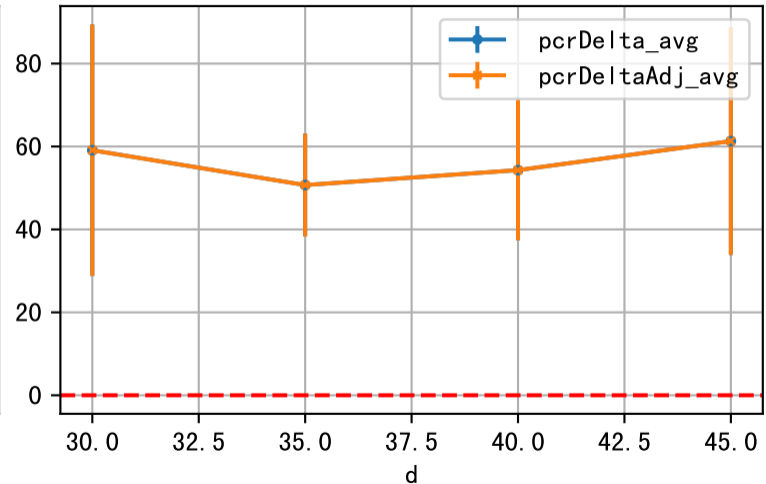


P6AW LfA: D_Est_LfA

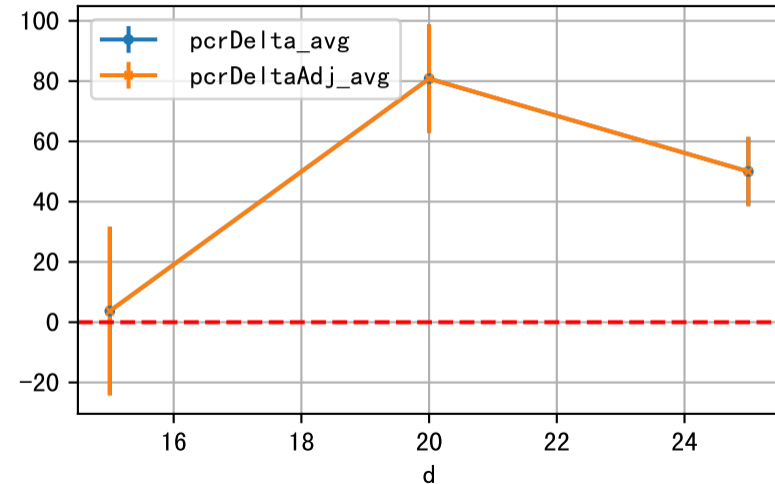
DeltaTypeAbbr=GrpByDay



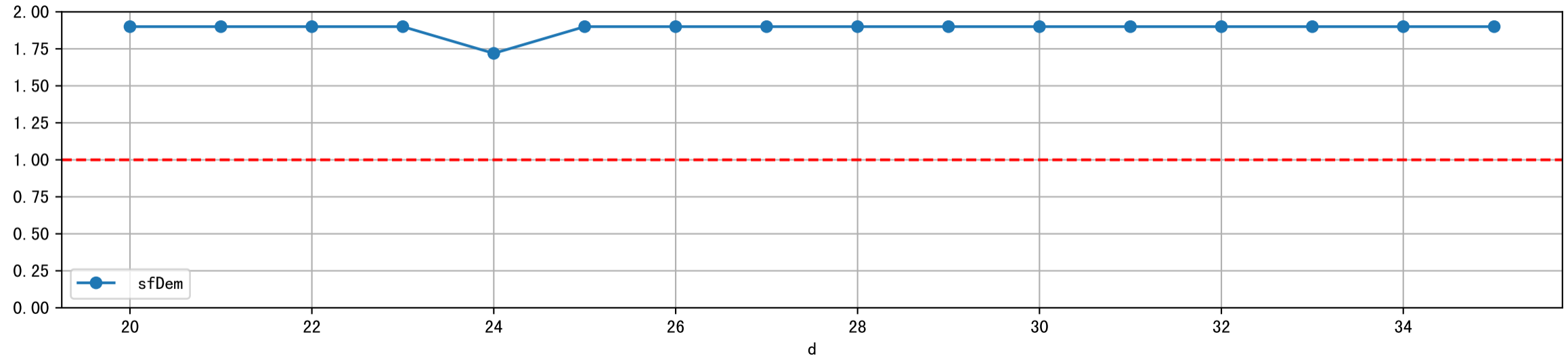
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge



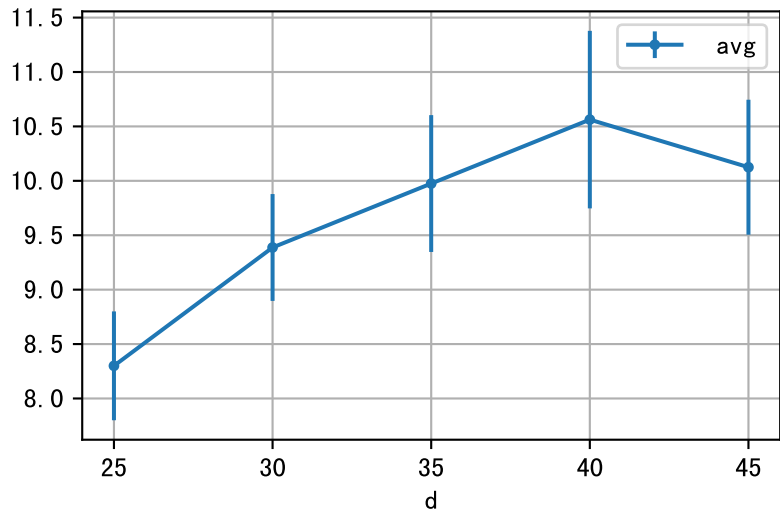
LfA: sfDem



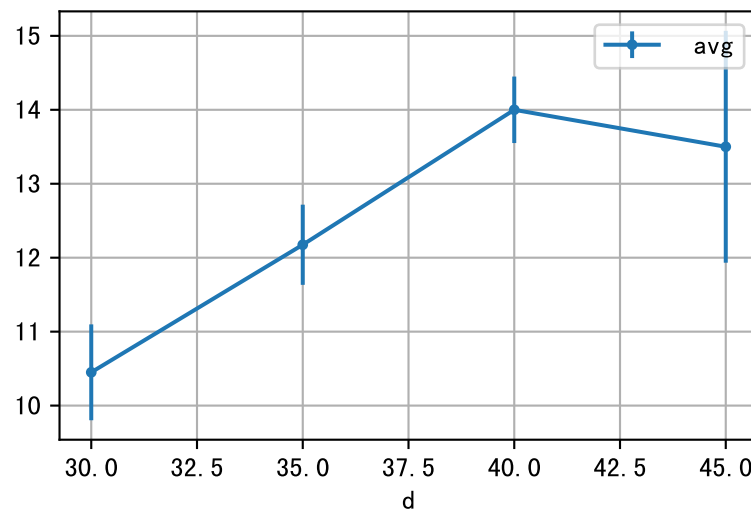


NdD: avg vs. d at each age group

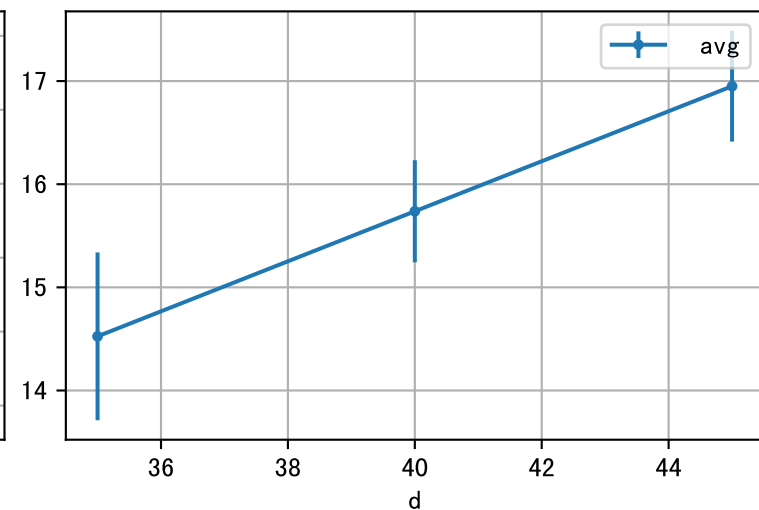
age=15



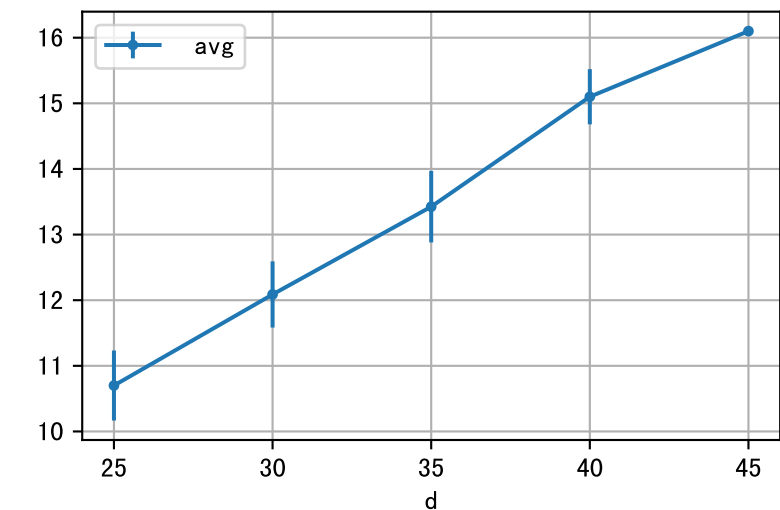
age=20



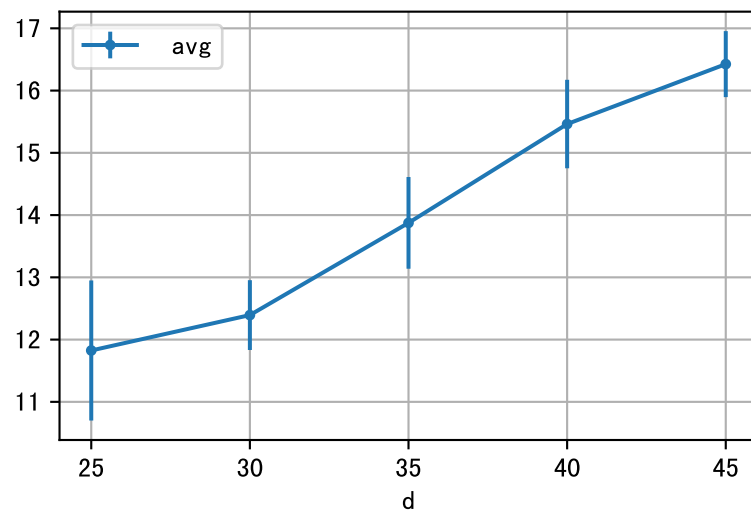
age=25



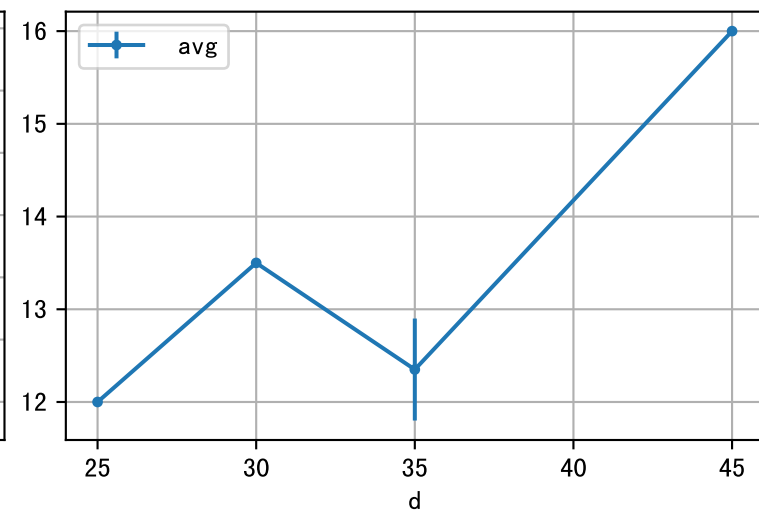
age=30



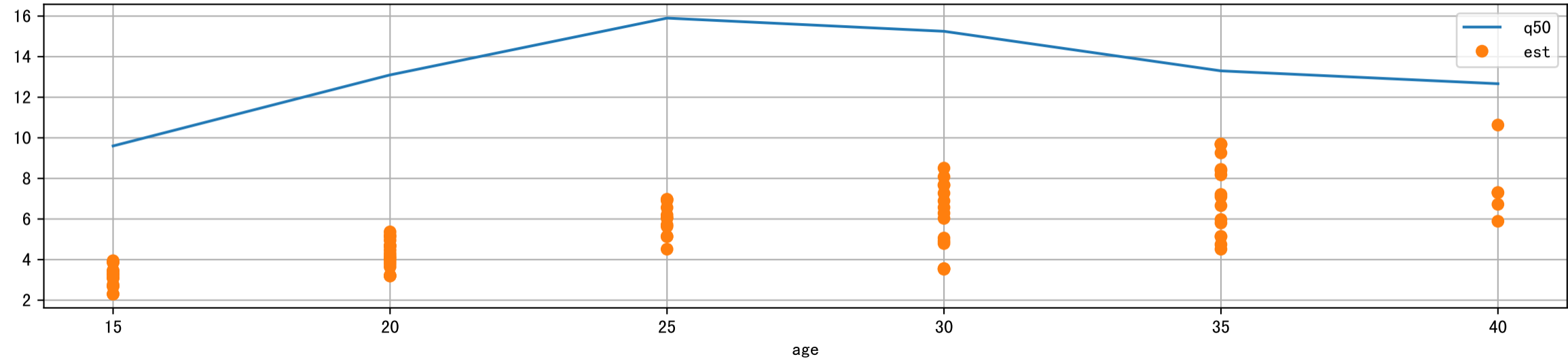
age=35



age=40

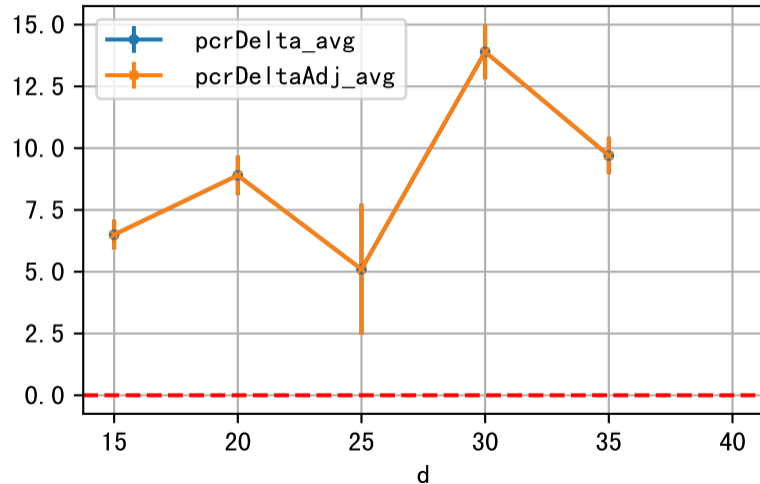


NdD: model est vs obs0v@Q50

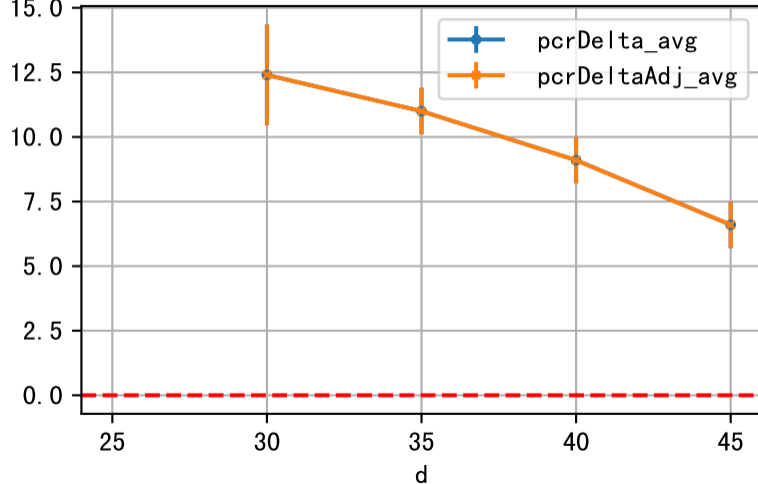


P6AW NdD: D_5d_NdD

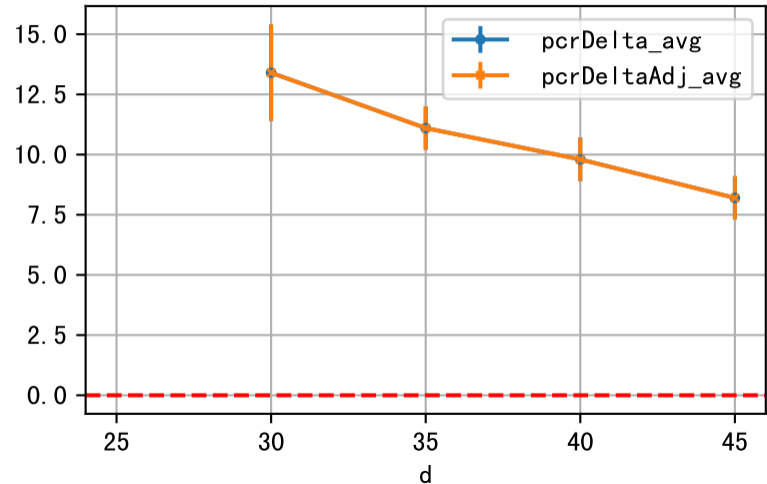
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

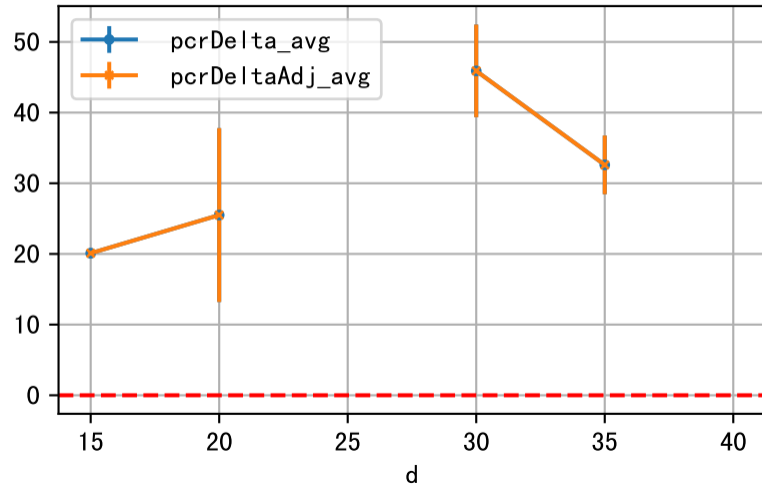


DeltaTypeAbbr=Wei AvgByD

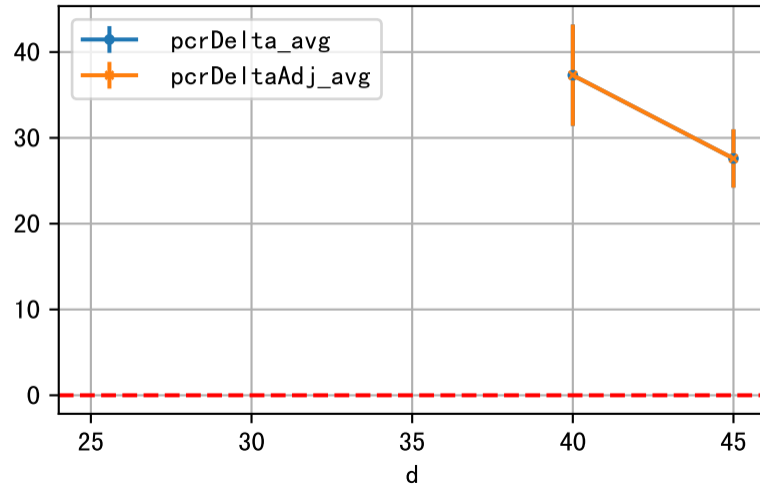


P6AW NdD: D_15d_NdD

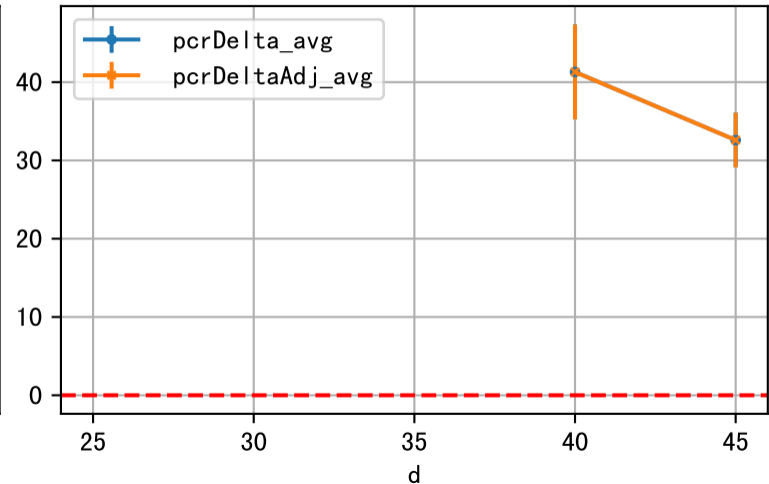
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

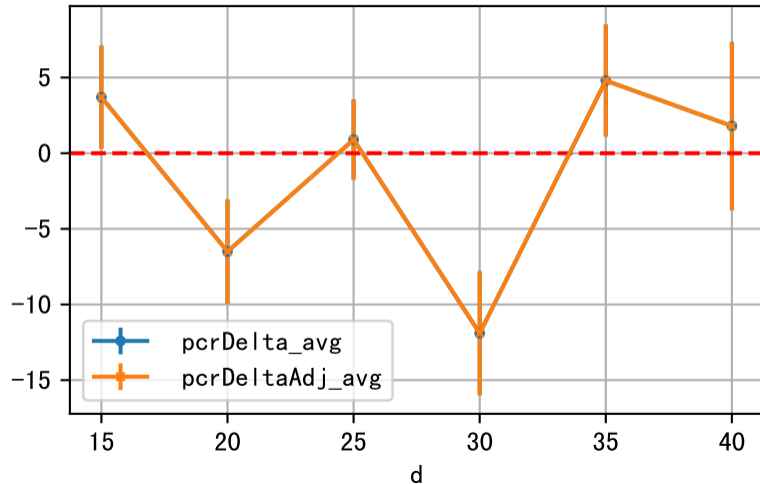


DeltaTypeAbbr=Wei AvgByD

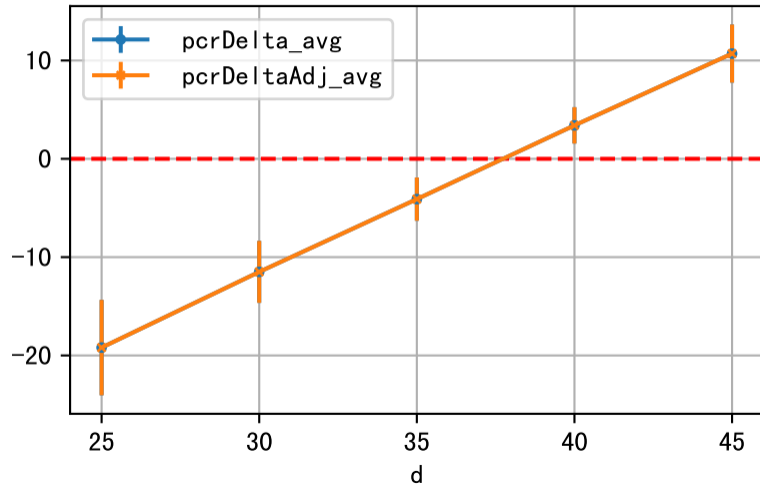


P6AW NdD: D_Q50_NdD

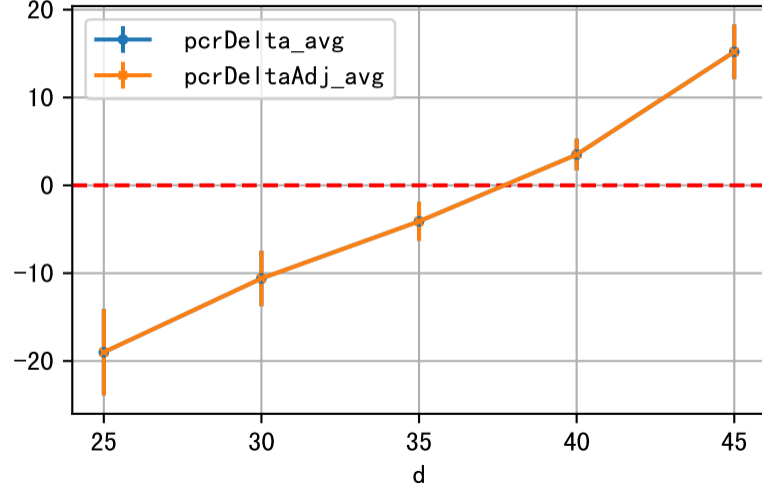
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

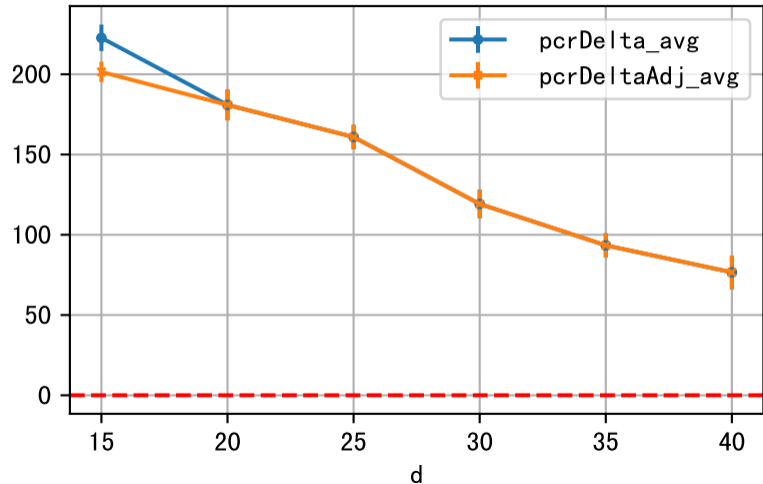


DeltaTypeAbbr=Wei AvgByD

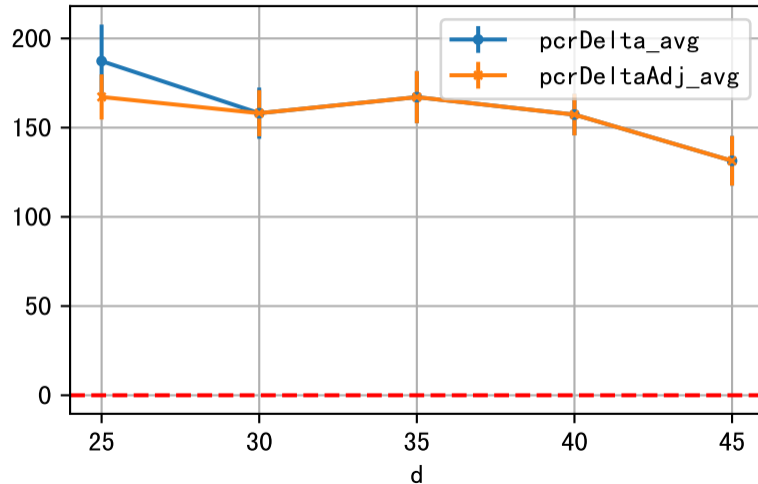


P6AW NdD: D_Est_NdD

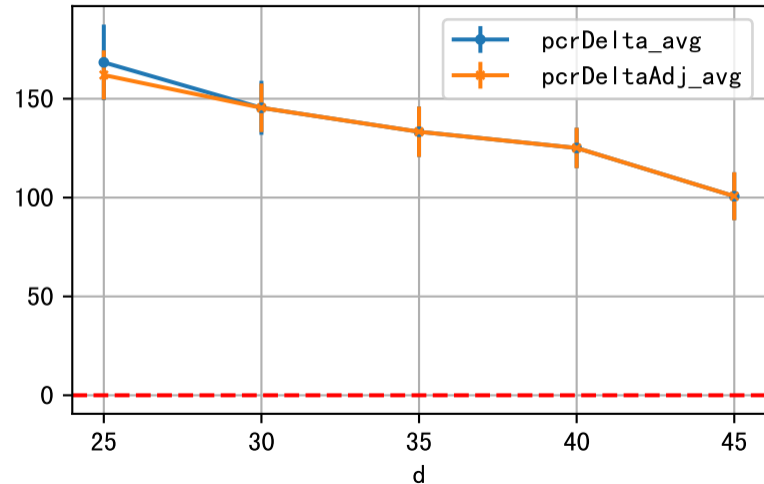
DeltaTypeAbbr=GrpByAge



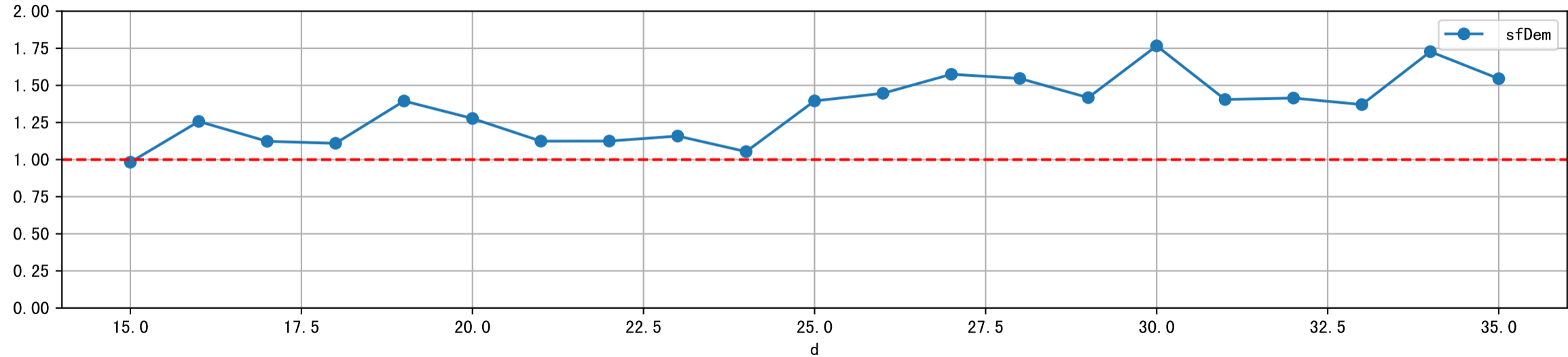
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

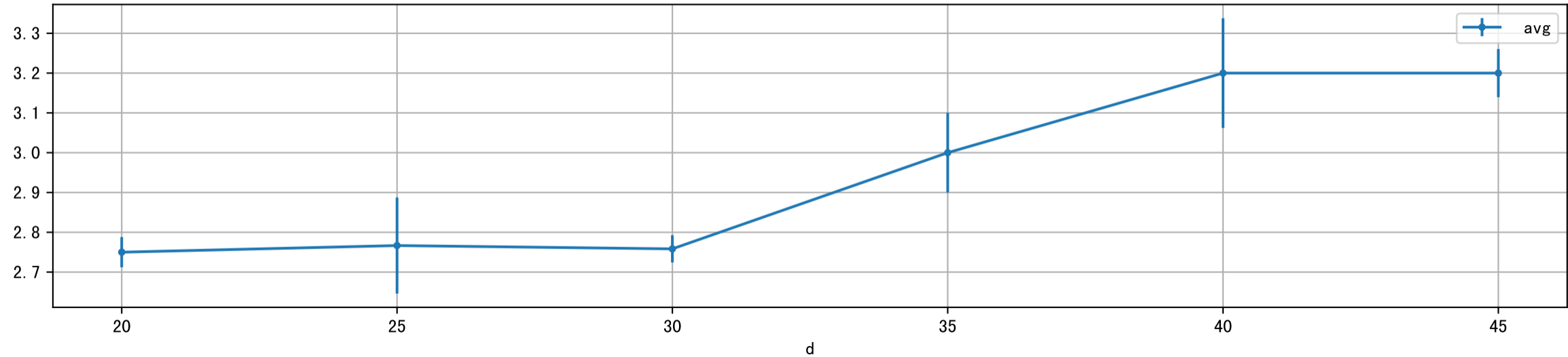


NdD: sfDem

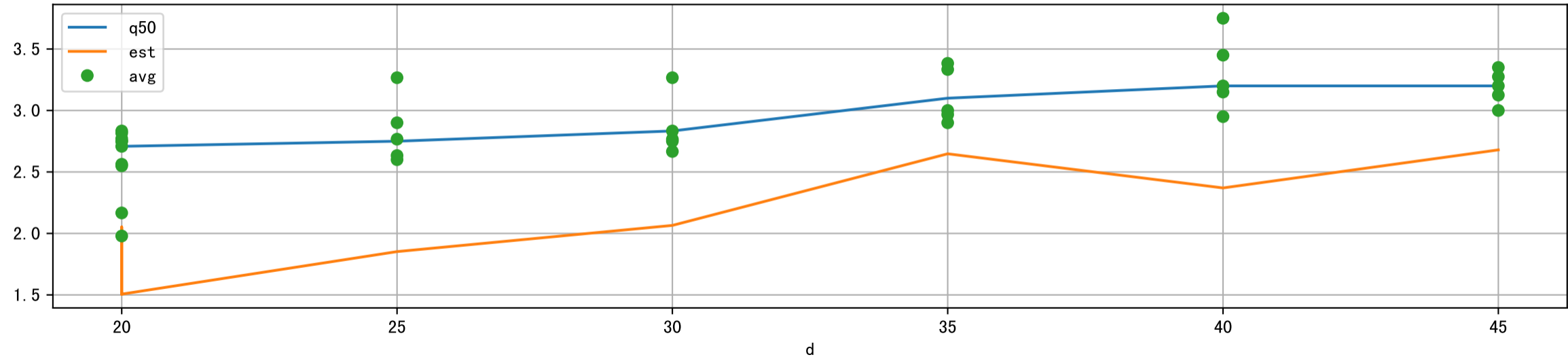




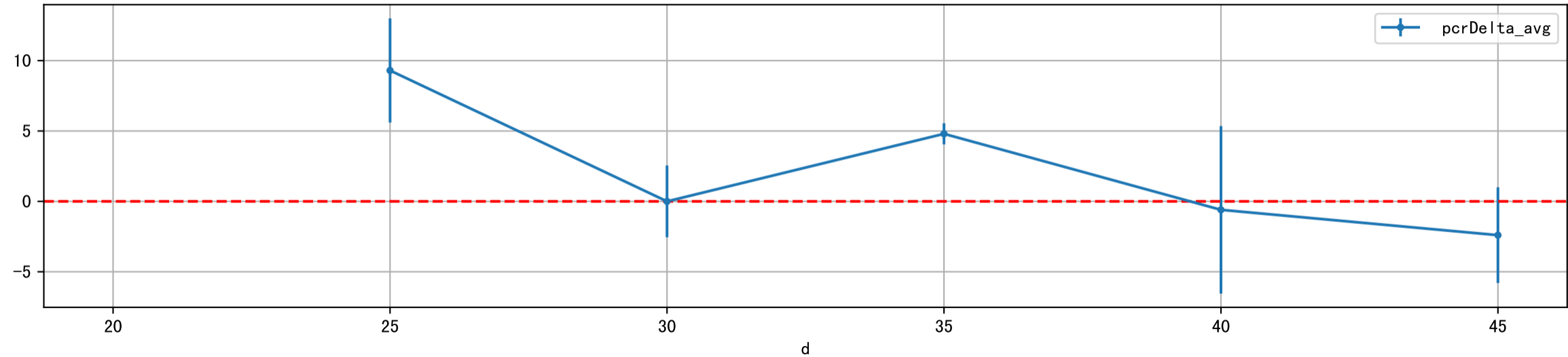
dStH: avg vs. d



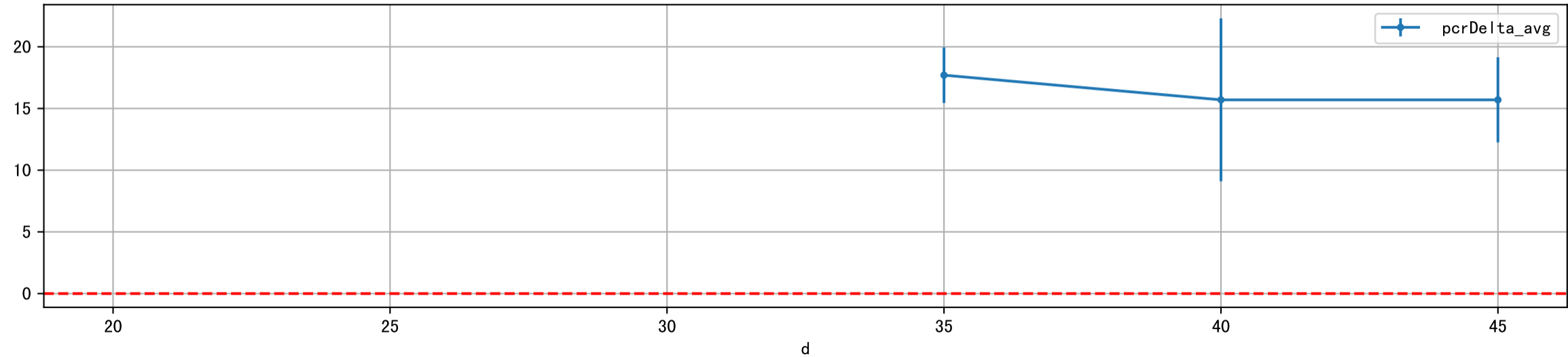
dStH: obsAvg vs obs0v@Q50



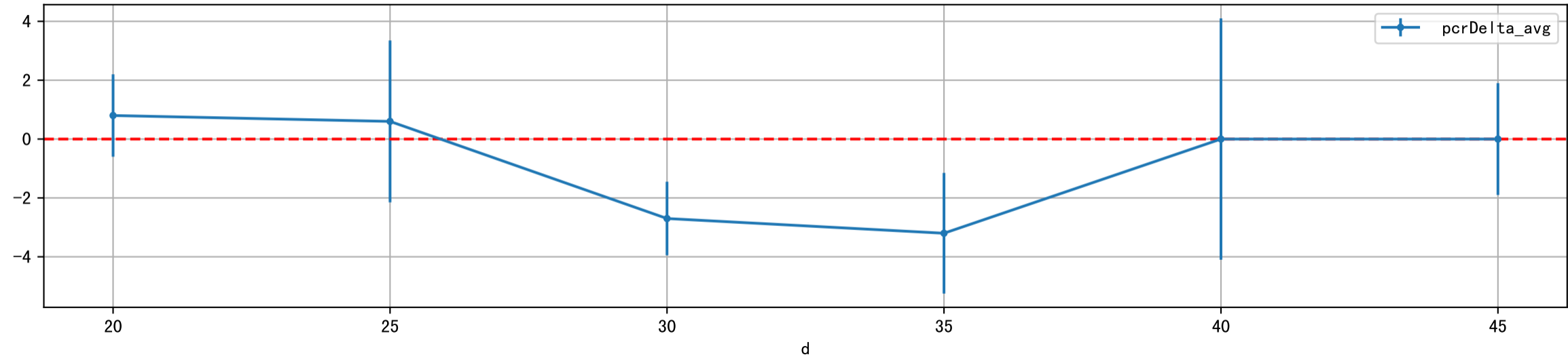
dStH: D_5d_StH



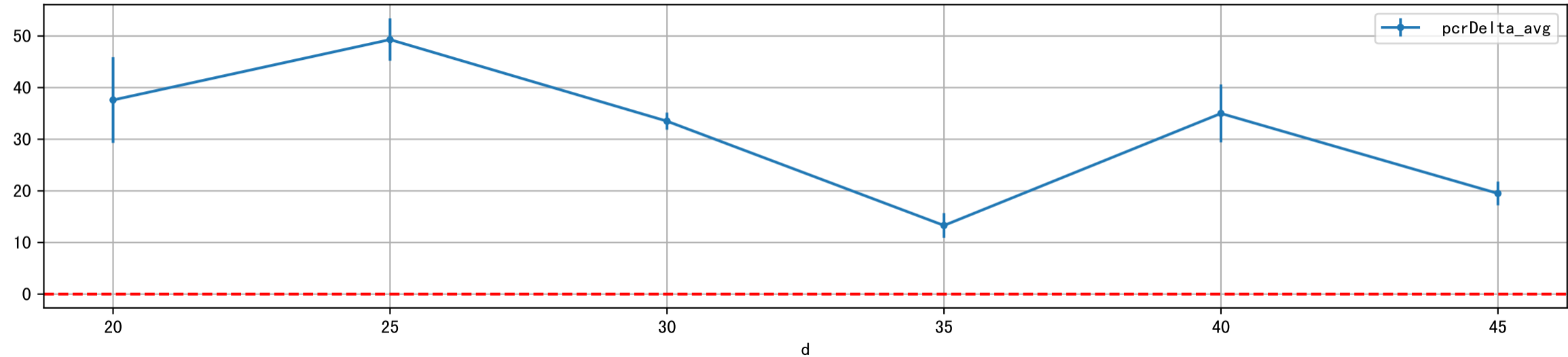
dStH: D_15d_StH



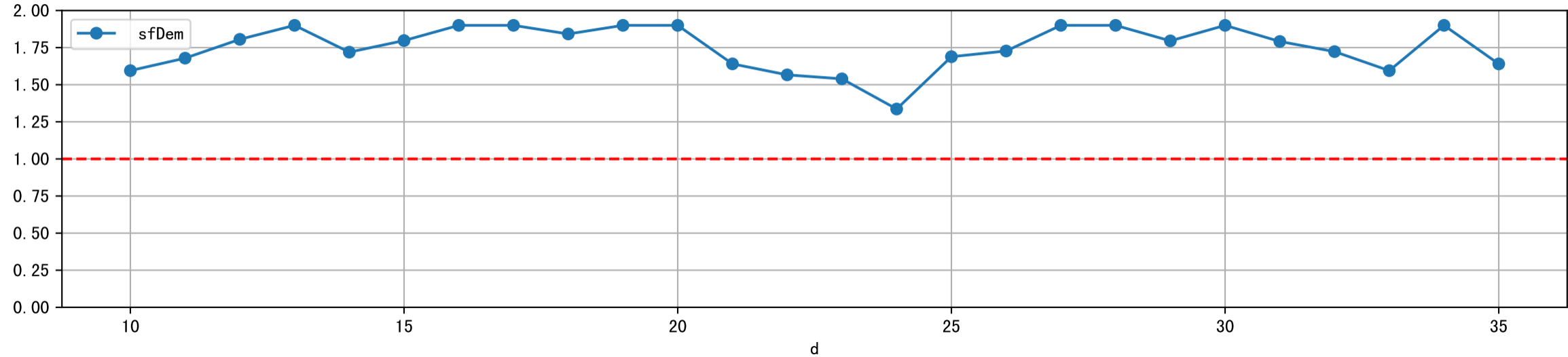
dStH: D_Q50_StH



dStH: D_Est_StH



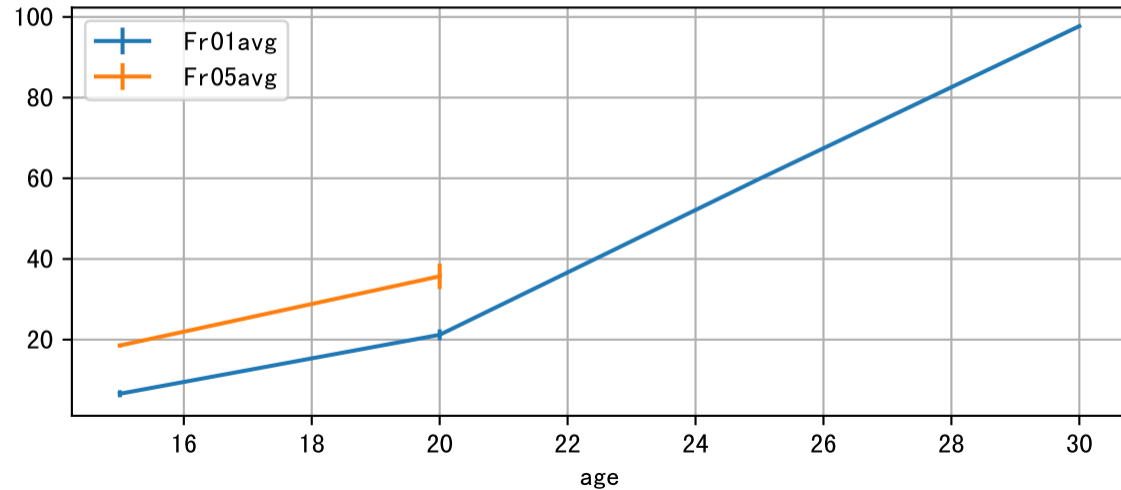
dStH: sfDem



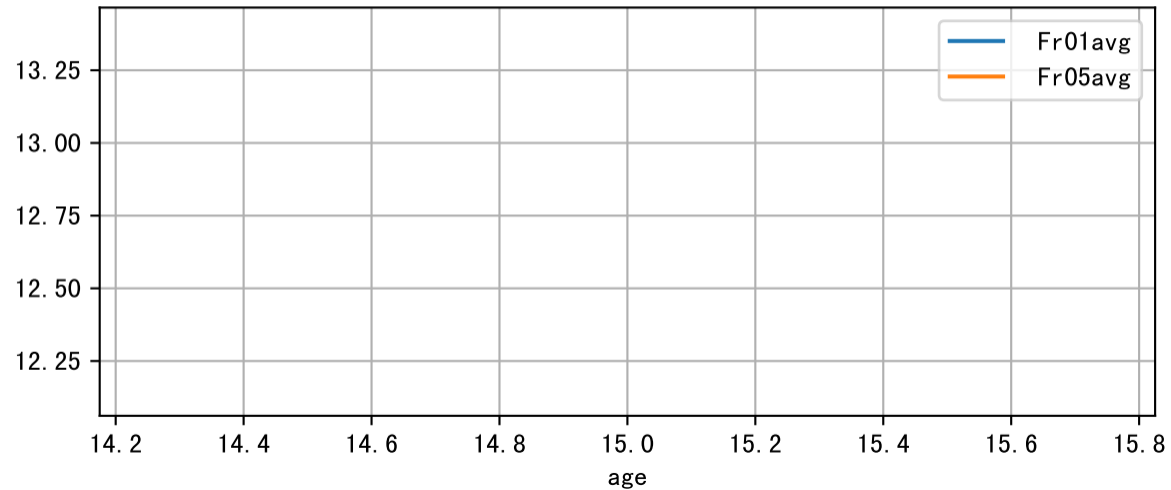


FrV: Fr01 vs Fr05 at each truss

organID=T01

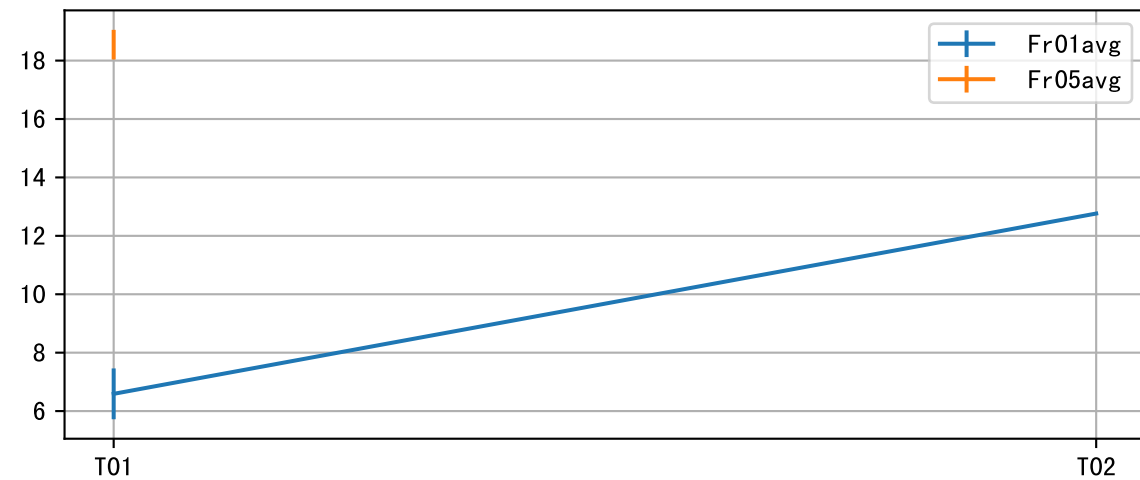


organID=T02

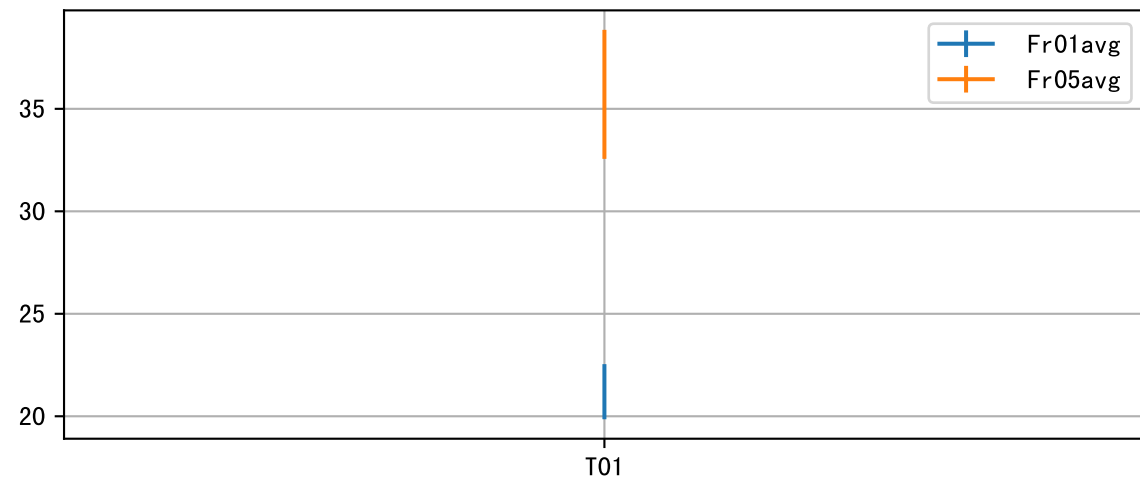


FrV trend at each age

age=15



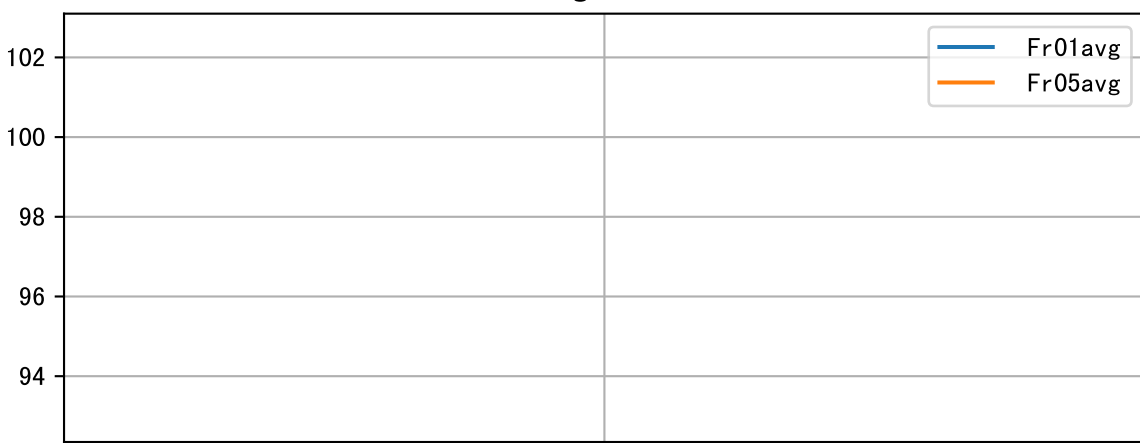
age=20



age=25



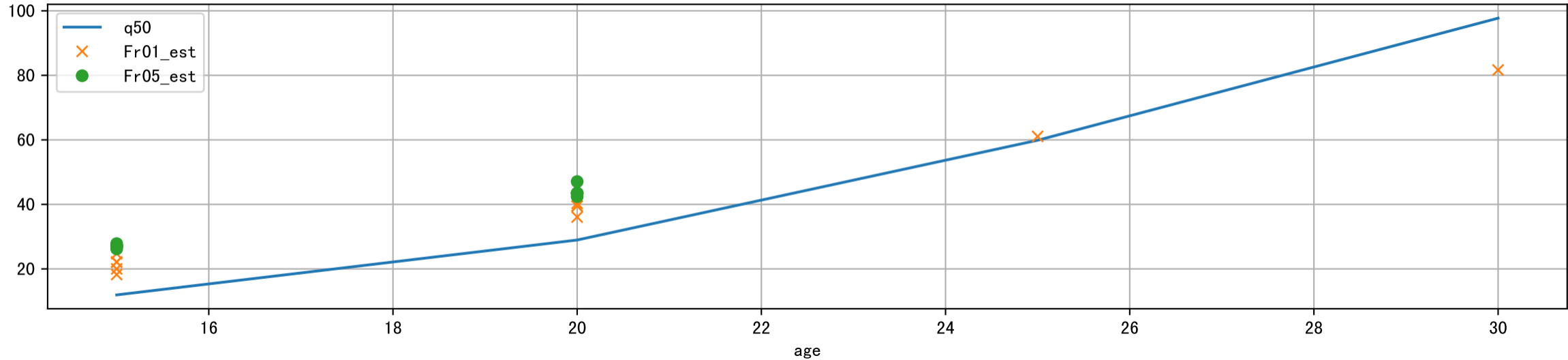
age=30



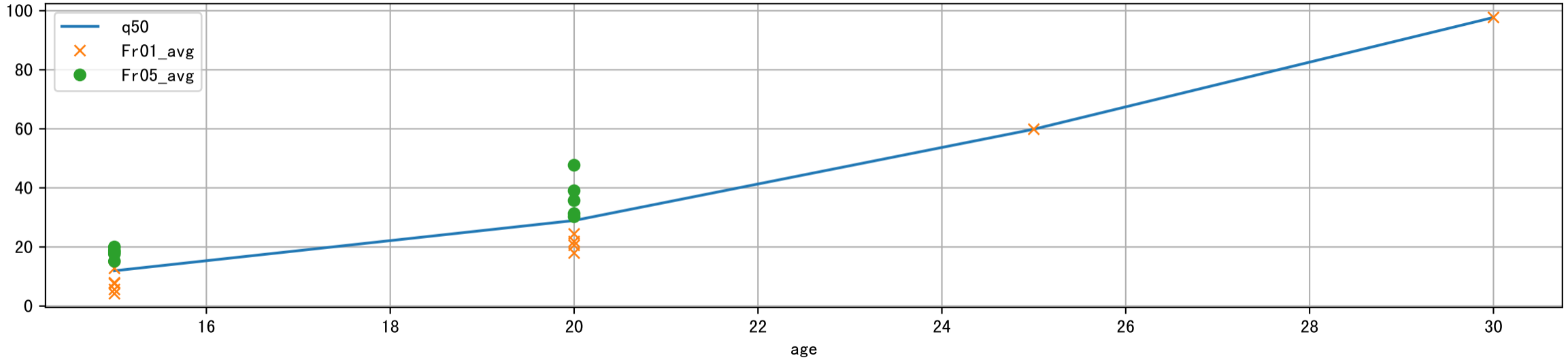
organID

organID

FrV: model Est vs obsFrV at Q90

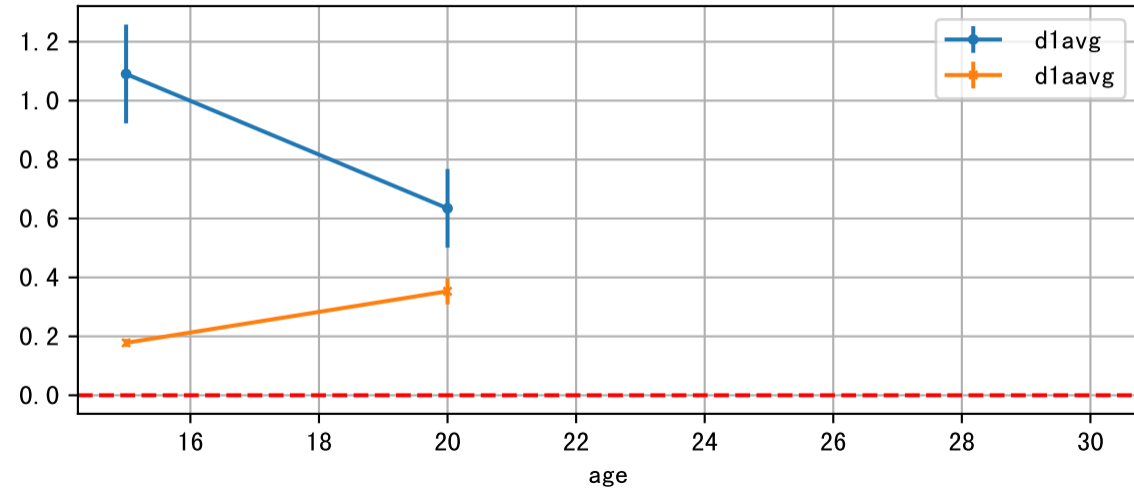


FrV: obsFrV vs obsFrV@Q90

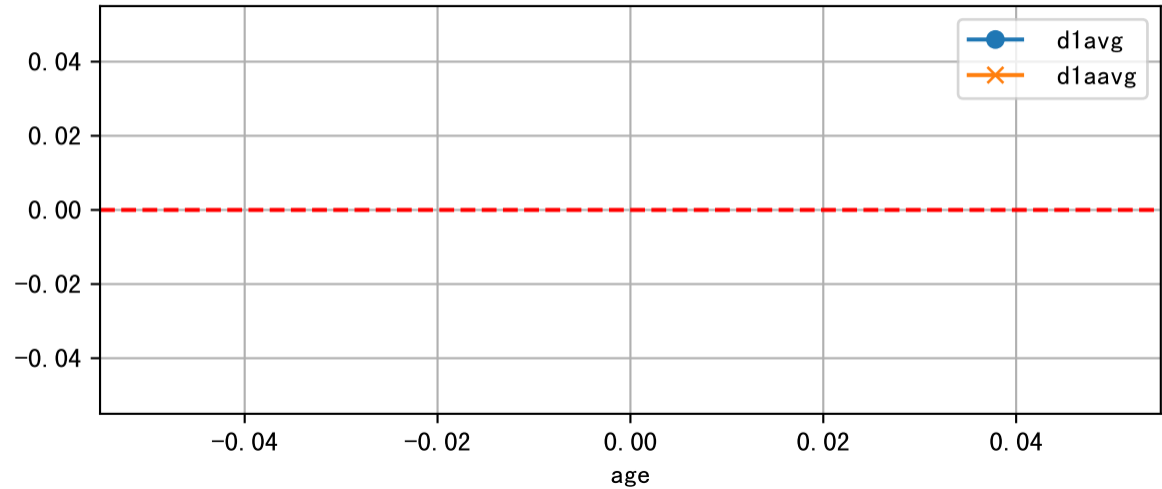


FrV: D_Fr1_FrV

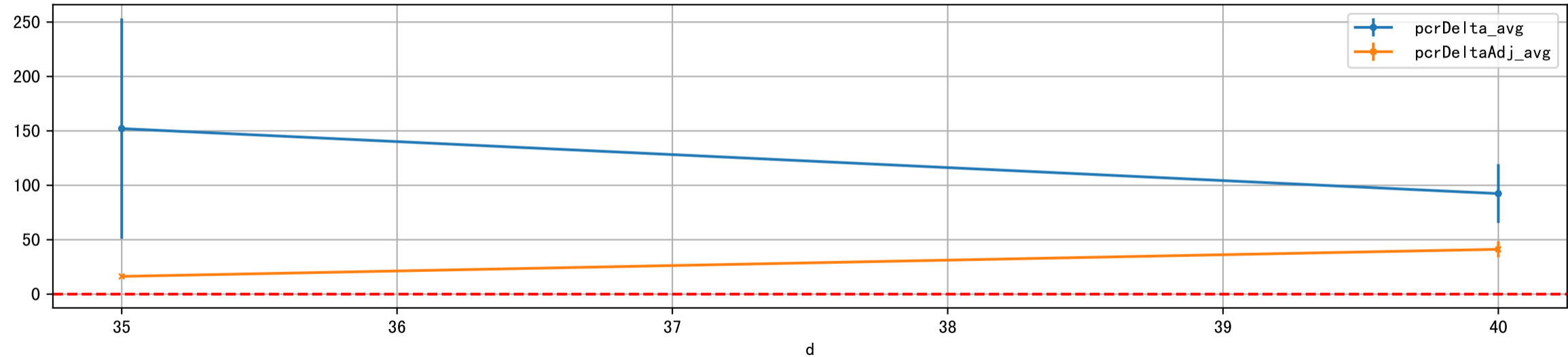
organID=1



organID=2

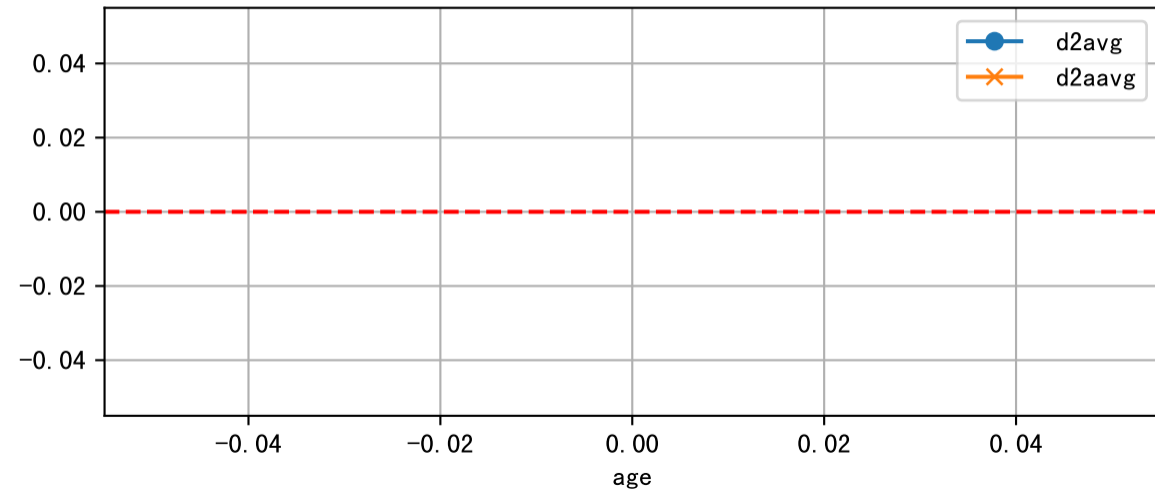


P6AW FrV: D_Fr1_FrV

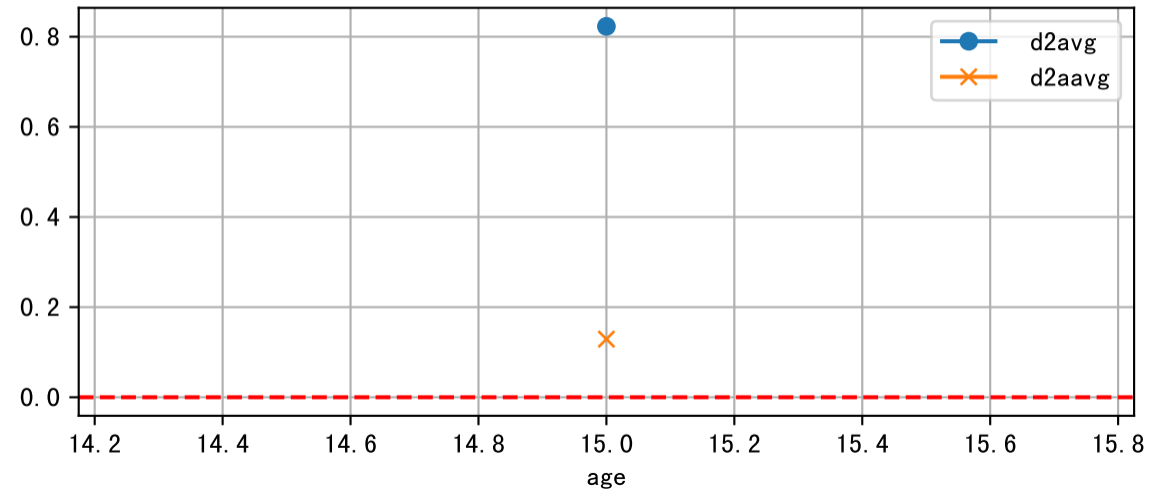


FrV: D_Ts_FrV

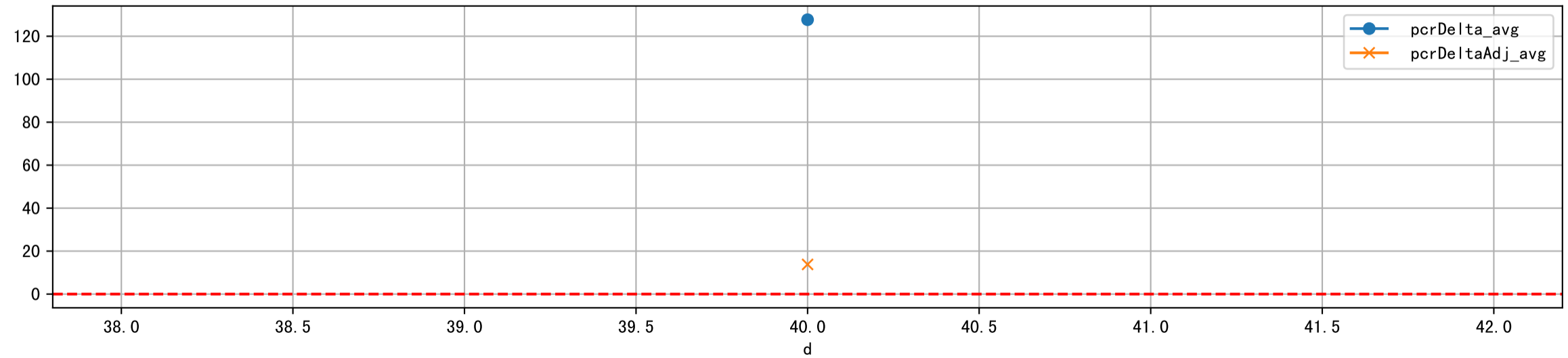
organID=1



organID=2

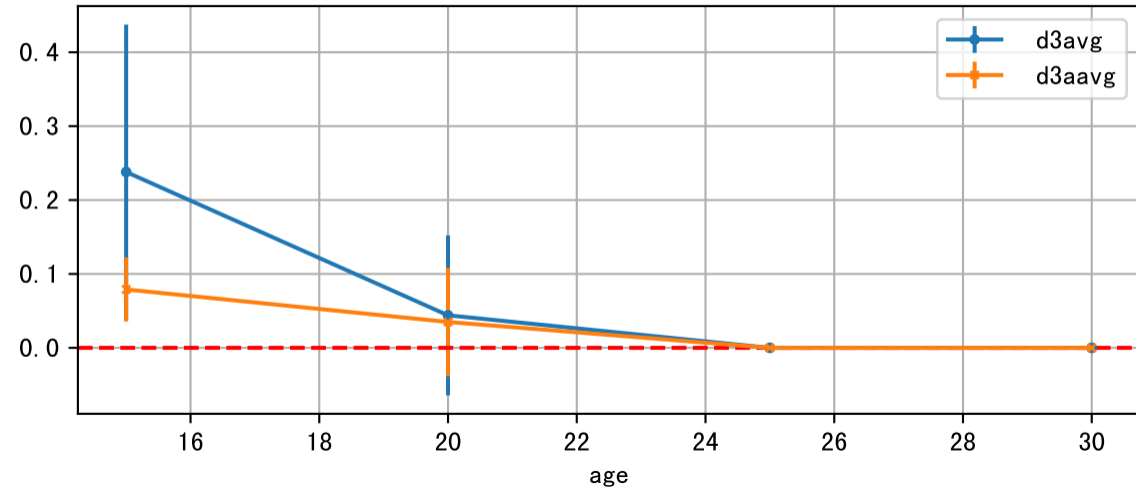


P6AW FrV: D_Ts_FrV

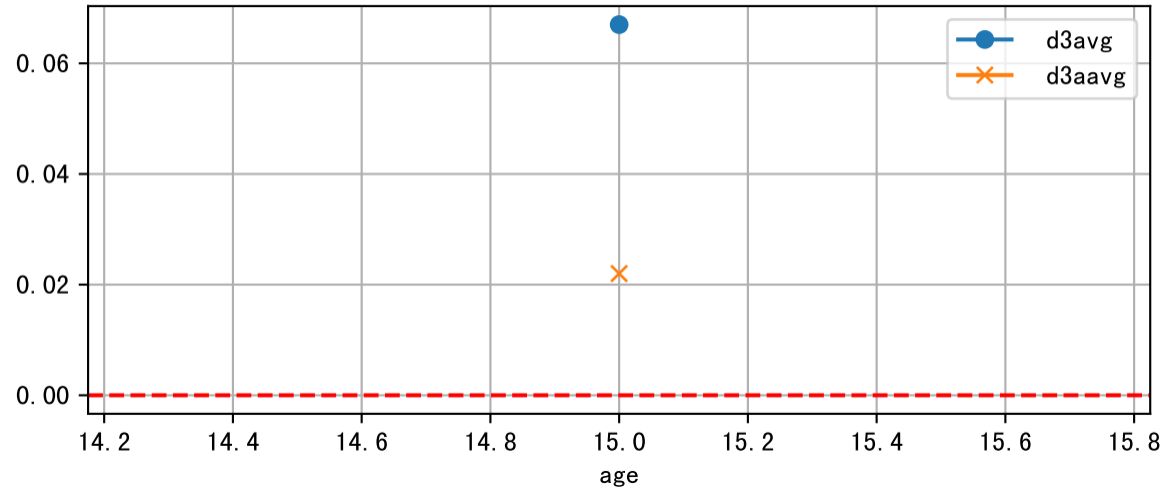


FrV: D_Q50_FrV

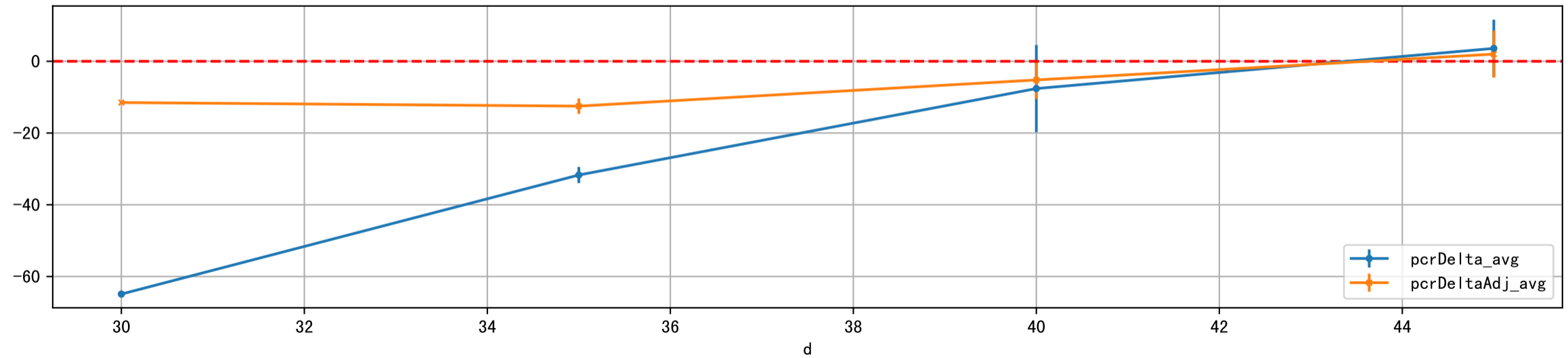
organID=1



organID=2

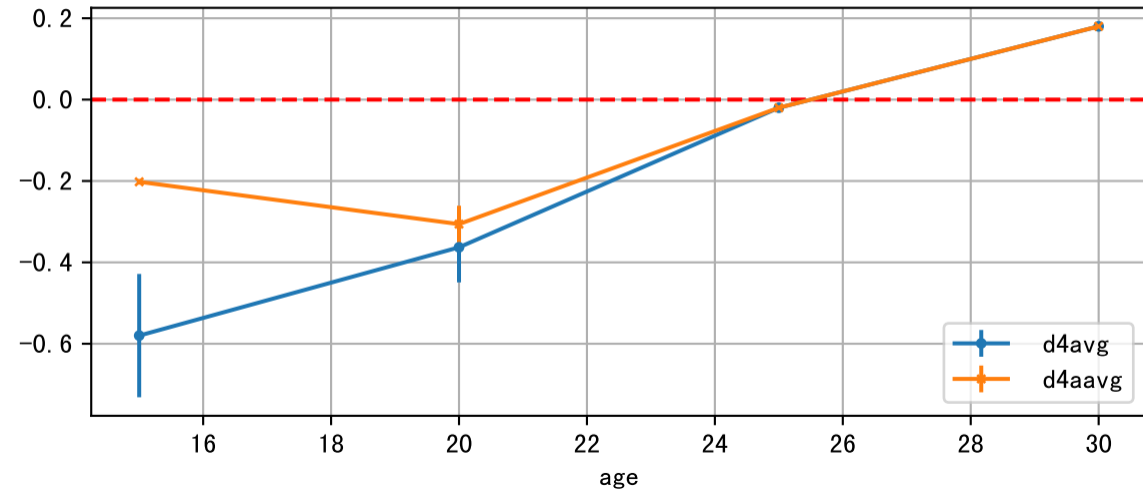


P6AW FrV: D_Q50_FrV

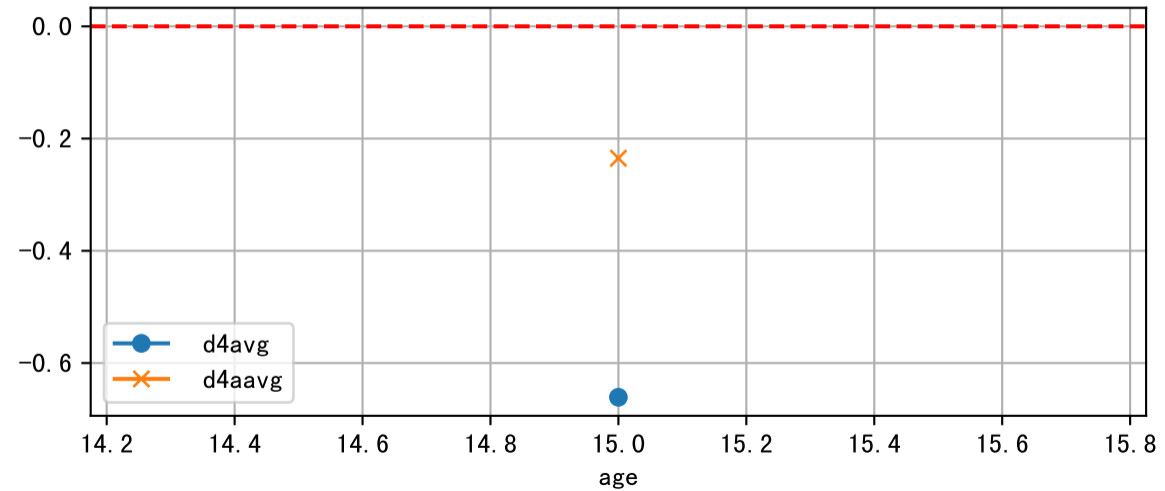


FrV: D_Est_FrV

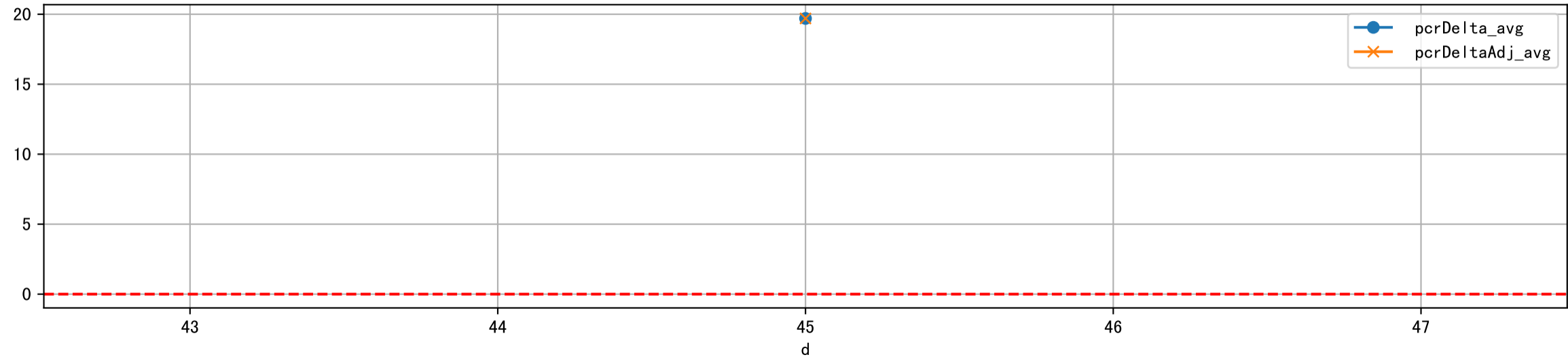
organID=1



organID=2



P6AW FrV: D_Est_FrV



P6AW FrV: sfDem

