

Phenotype Data Analysis Plots

PhenoData day range = 10 – 44

Analysis cutoff day = 44

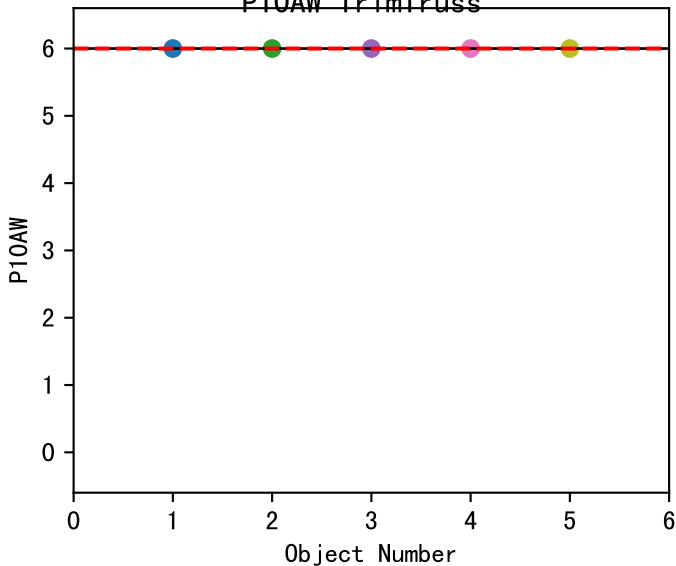
NC11 P10

2025-05-14 (Day 44)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

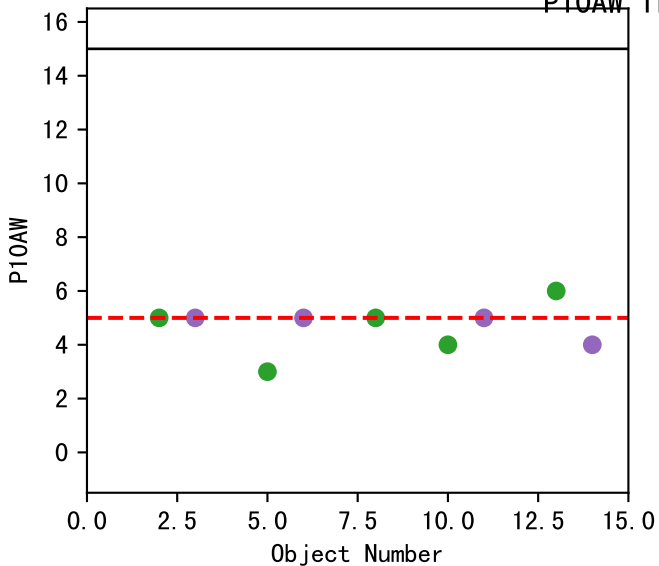
P10AW TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

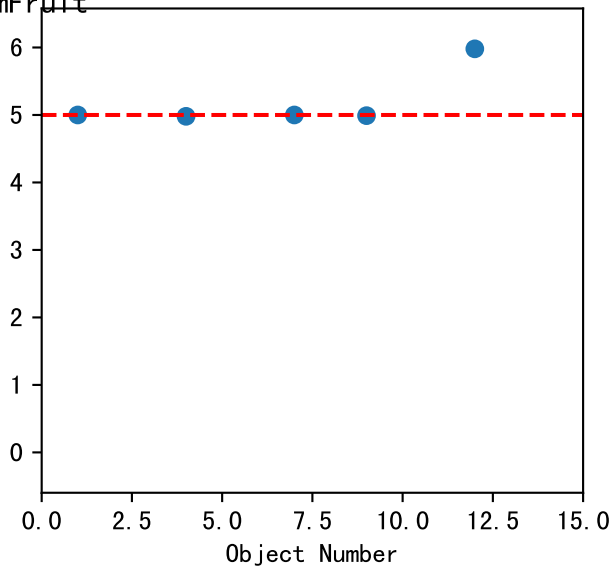
avg1=5.0~17% avg2=na

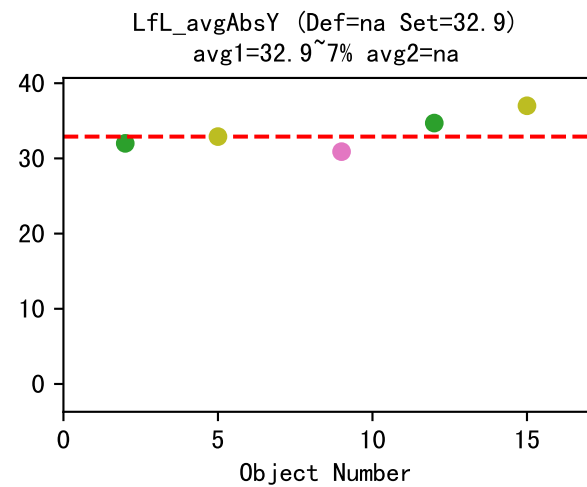
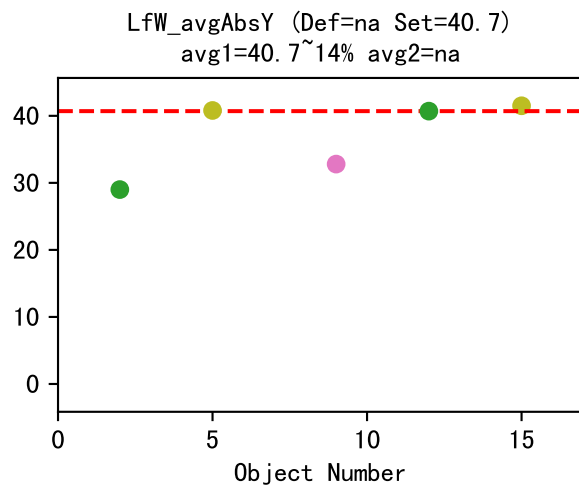
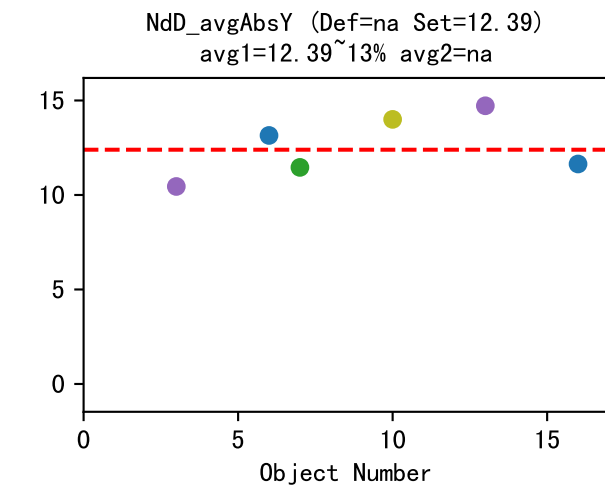
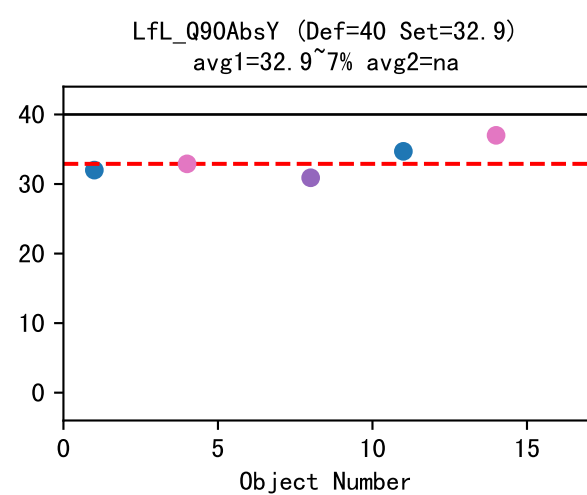
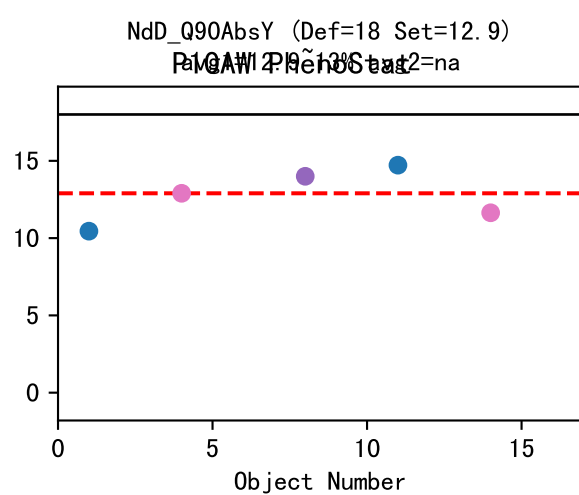
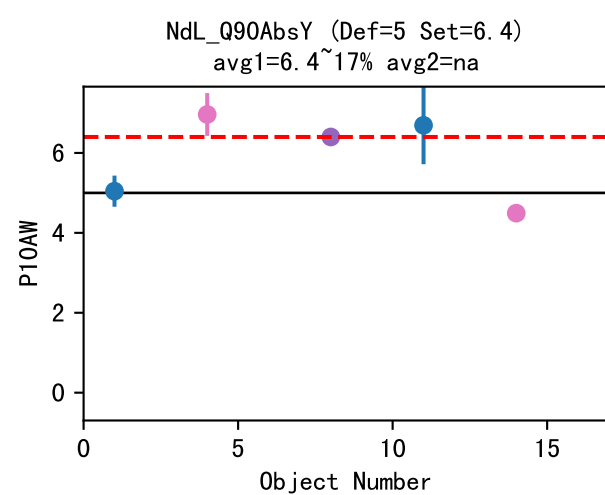
P10AW TrimFruit



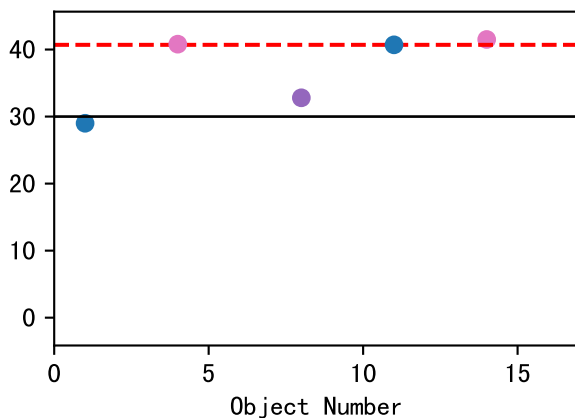
FruitNumMaxPerTruss (Def=na Set=5)

avg1=5.0~0% avg2=na

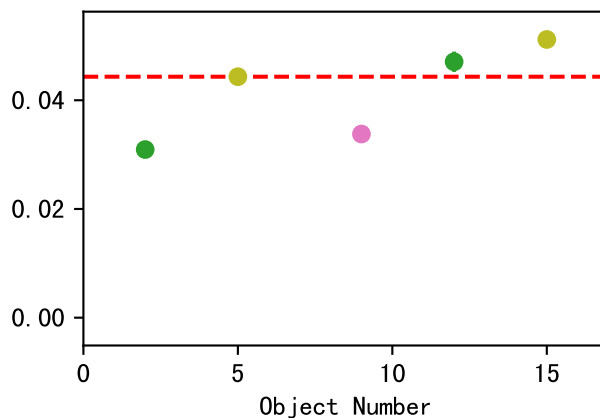




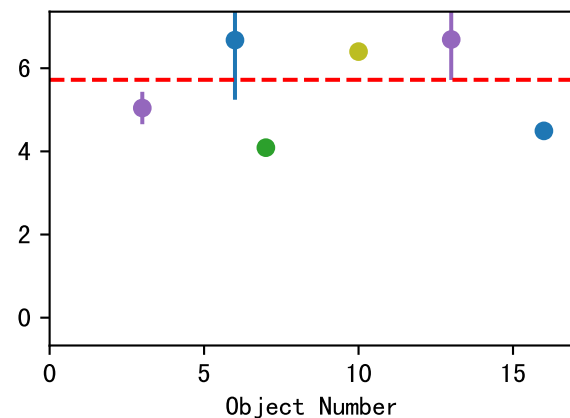
LfW_Q90AbsY (Def=30 Set=40.7)
avg1=40.7~14% avg2=na



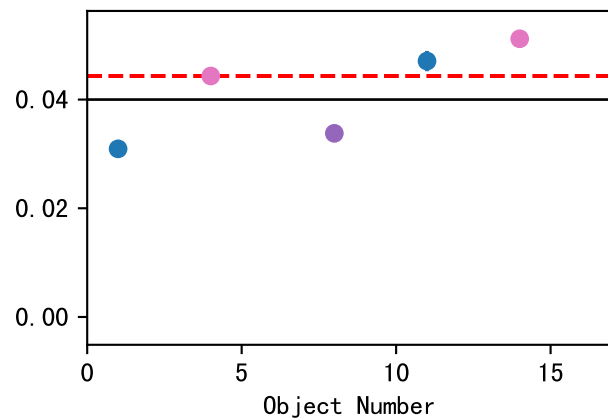
LfA_avgAbsY (Def=na Set=0.04)
avg1=0.04~20% avg2=na



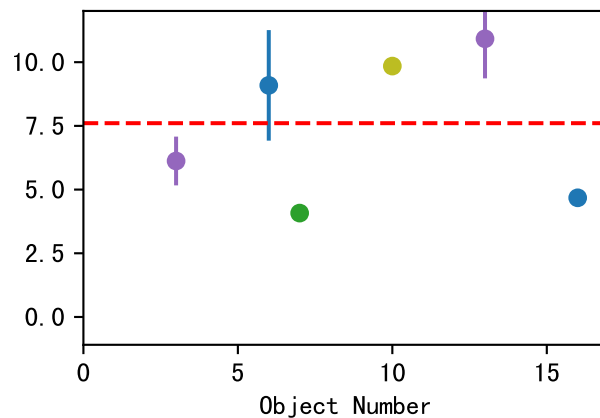
NdL_avgAbsY (Def=na Set=5.72)
avg1=5.72~20% avg2=na



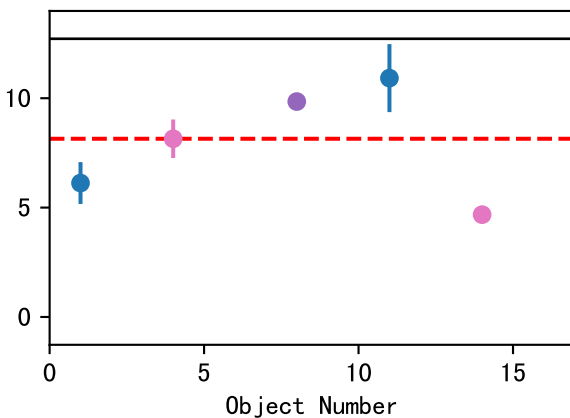
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.04~20% avg2=na



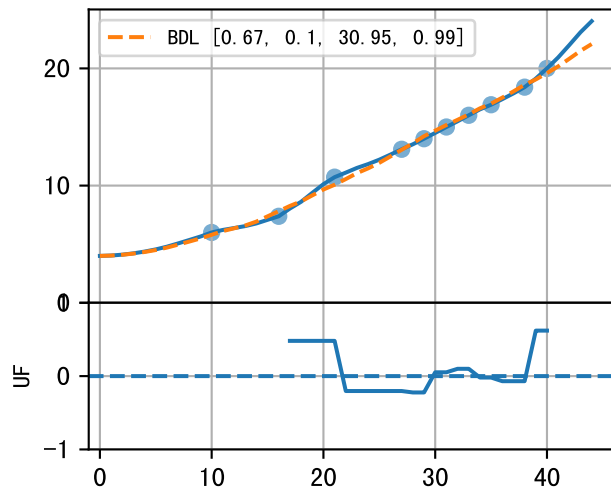
NdV_avgAbsY (Def=na Set=7.61)
avg1=7.61~38% avg2=na



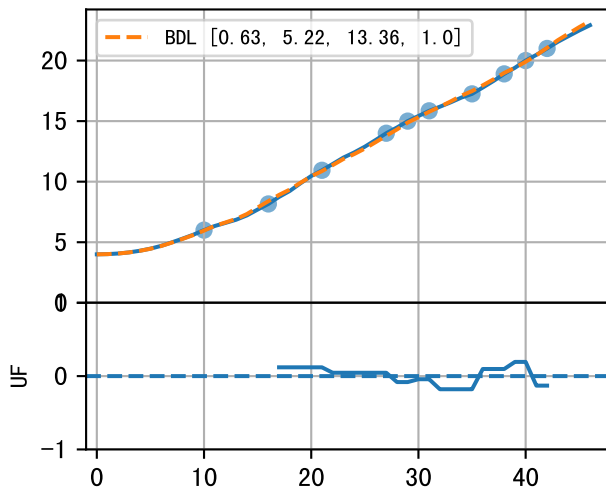
NdV_Q90AbsY (Def=12.72 Set=8.15)
avg1=8.15~32% avg2=na



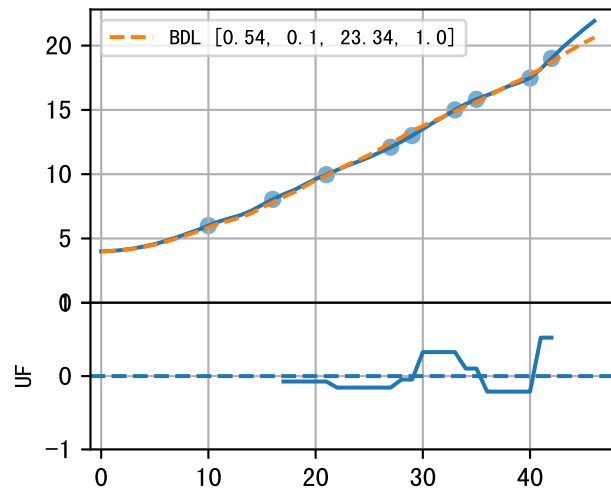
P10AW-003-11 (fit failed)



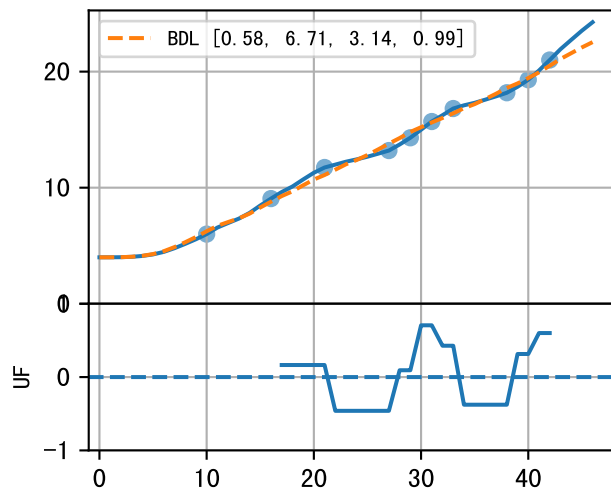
P10AW-016-21 (fit failed)



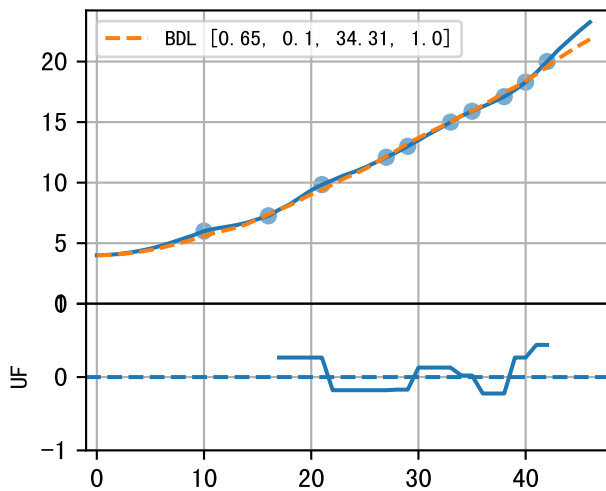
P10AW-029-30 (fit failed)



P10AW-041-24 (fit failed)



P10AW-054-10 (fit failed)

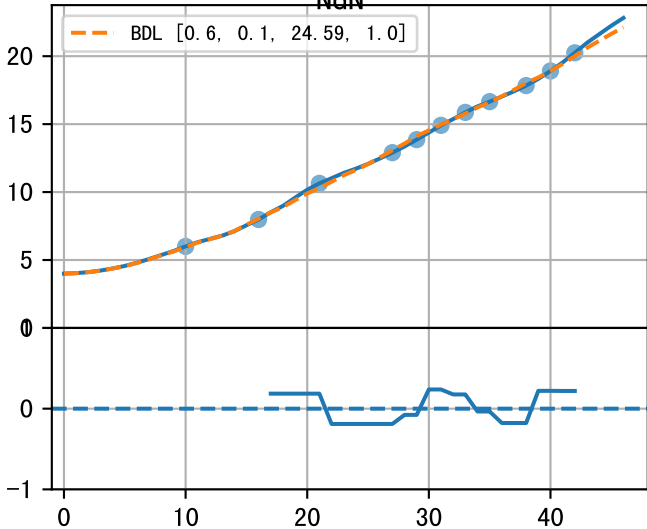


P10Aavg (fit failed)

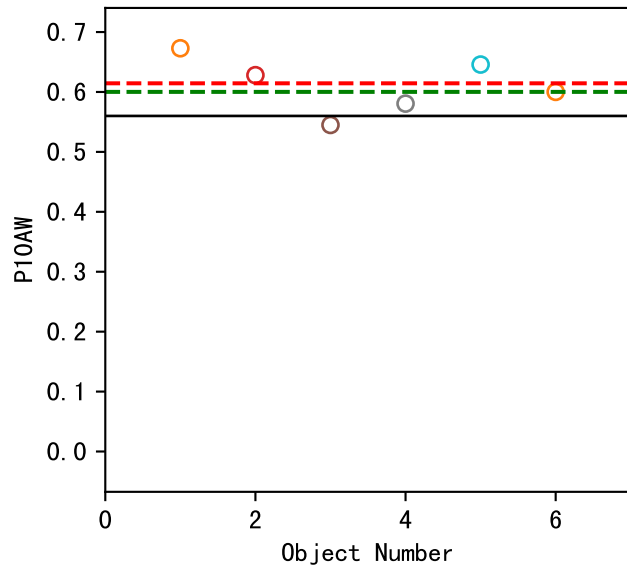
NdN

BDL [0.6, 0.1, 24.59, 1.0]

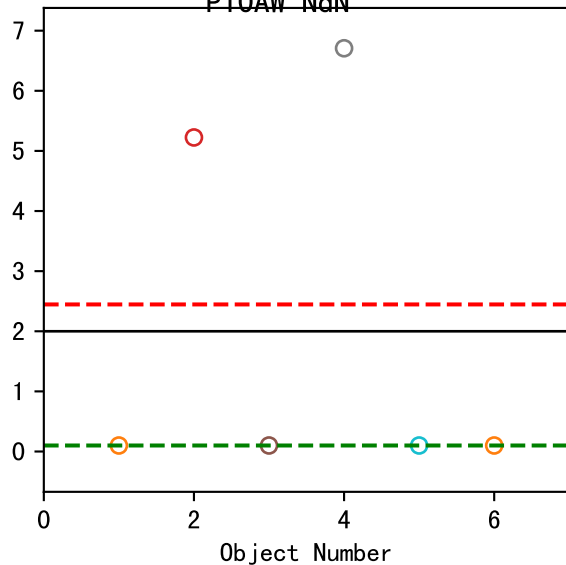
UF



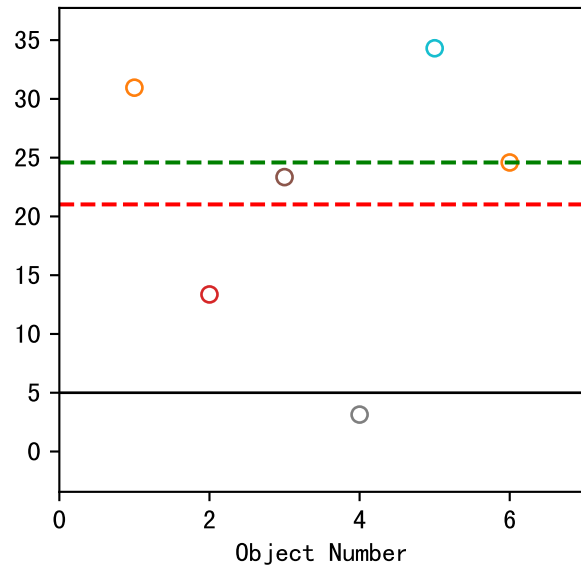
a (Def=0.56 Set=0.6)
avg1=0.61(fail) avg2=0.6



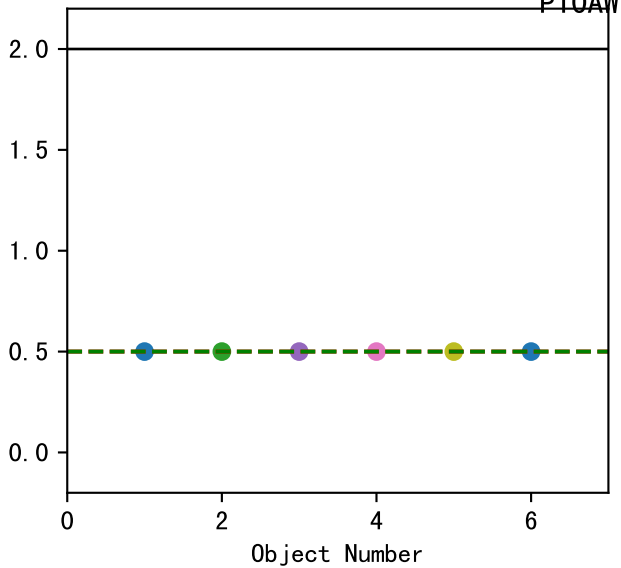
dm (Def=2 Set=0.1)
avg1=2.45(fail) avg2=0.1



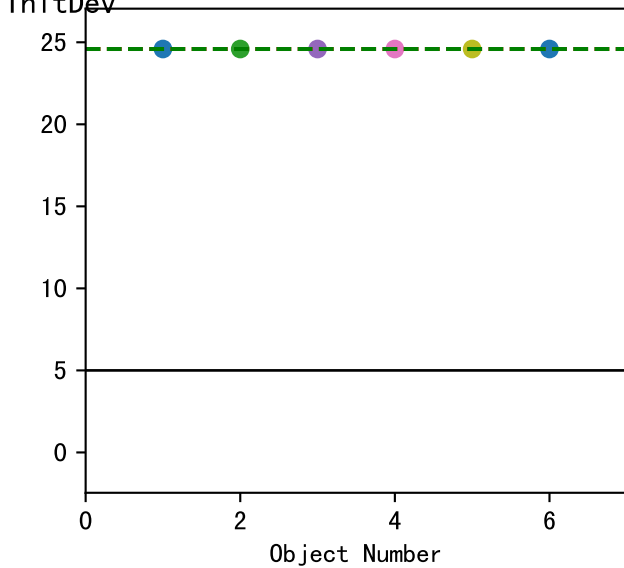
de (Def=5 Set=24.59)
avg1=21.02(fail) avg2=24.59



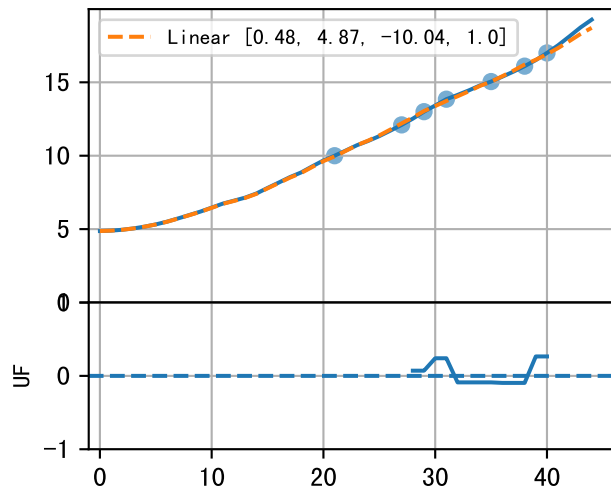
InitDev_dm (Def=2 Set=0.5)
avg1=0.5~0% avg2=0.5



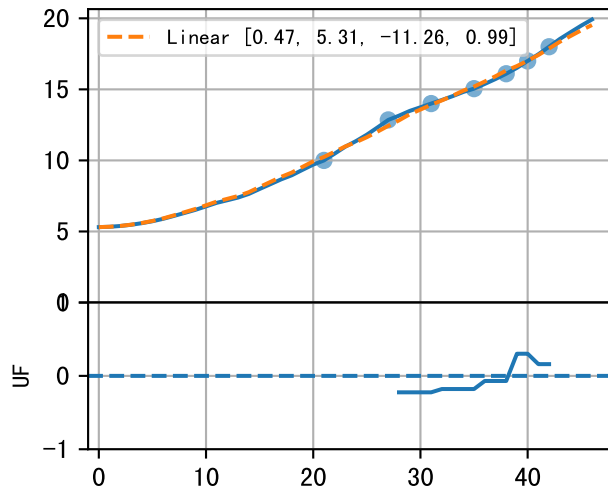
InitDev_de (Def=5 Set=24.59)
avg1=24.59~0% avg2=24.59



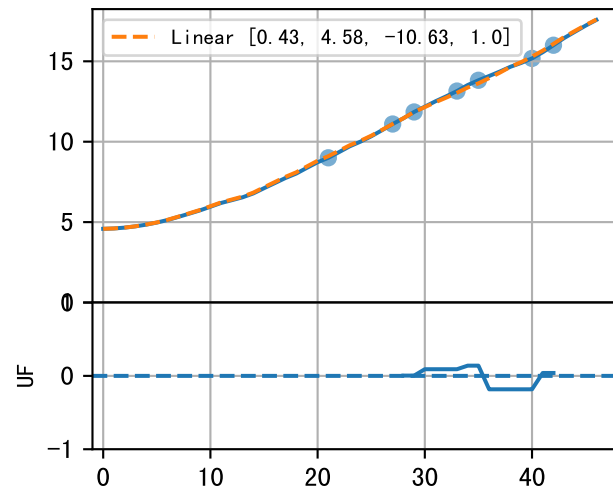
P10AW-003-11



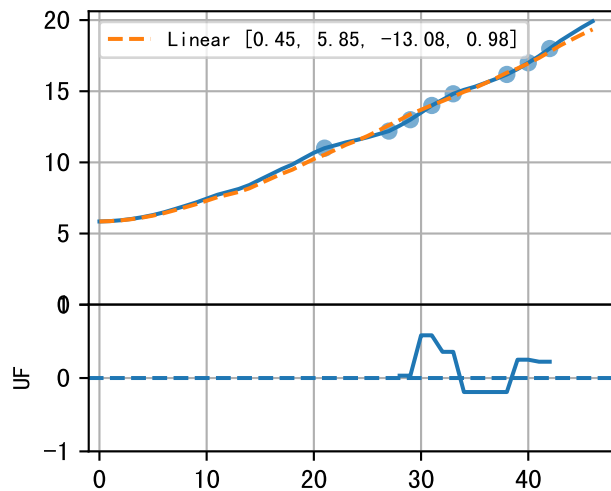
P10AW-016-3



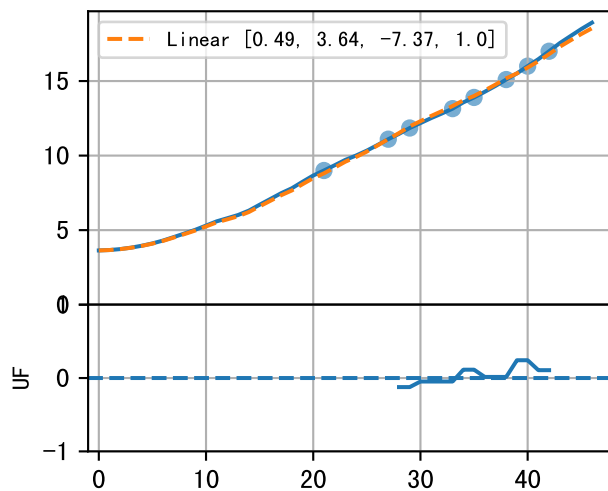
P10AW-029-30



P10AW-041-24



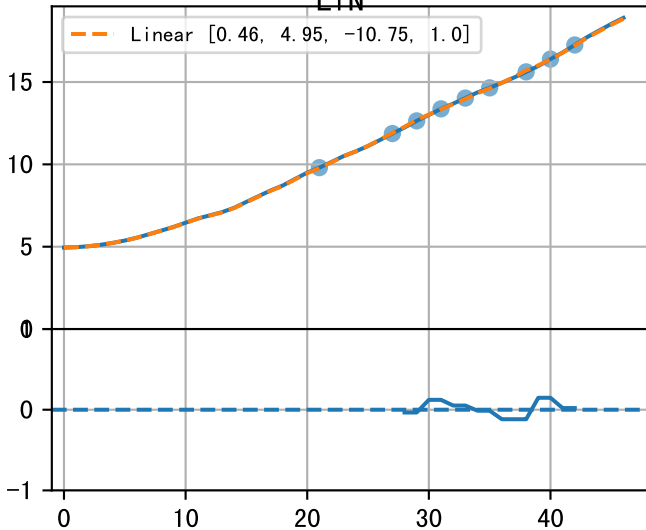
P10AW-054-10



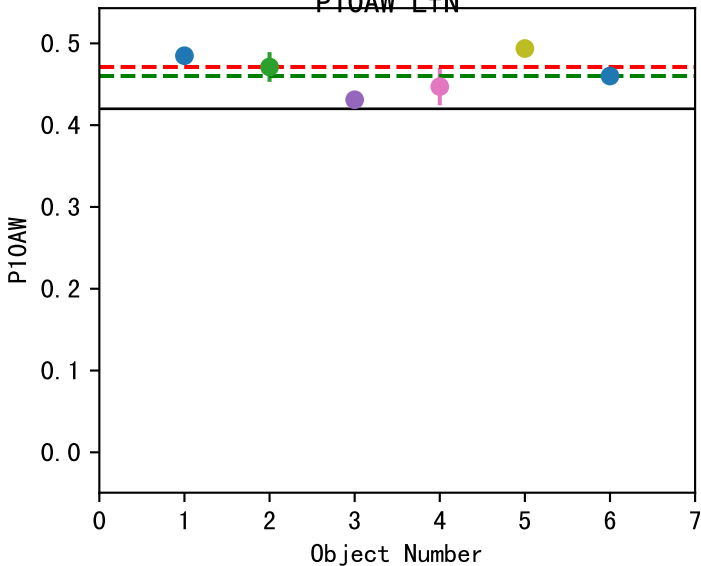
P10AWavg
Lfn

Linear [0.46, 4.95, -10.75, 1.0]

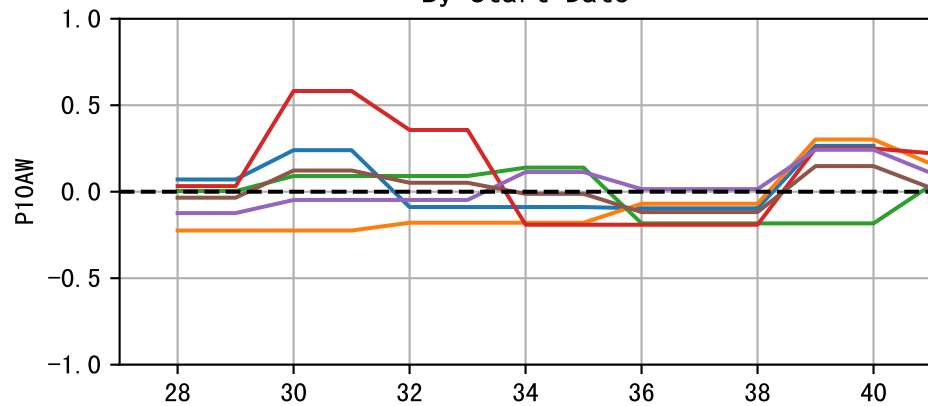
UF



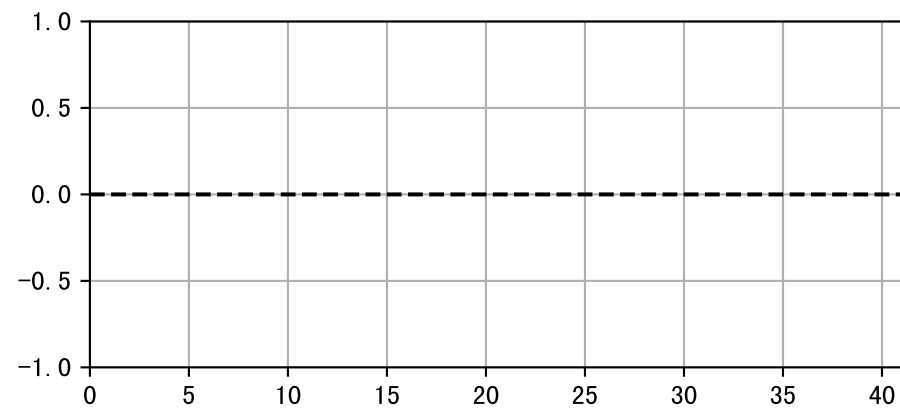
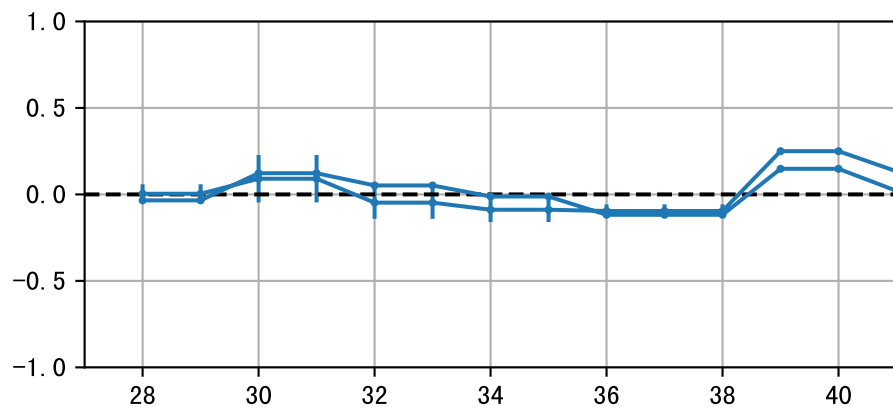
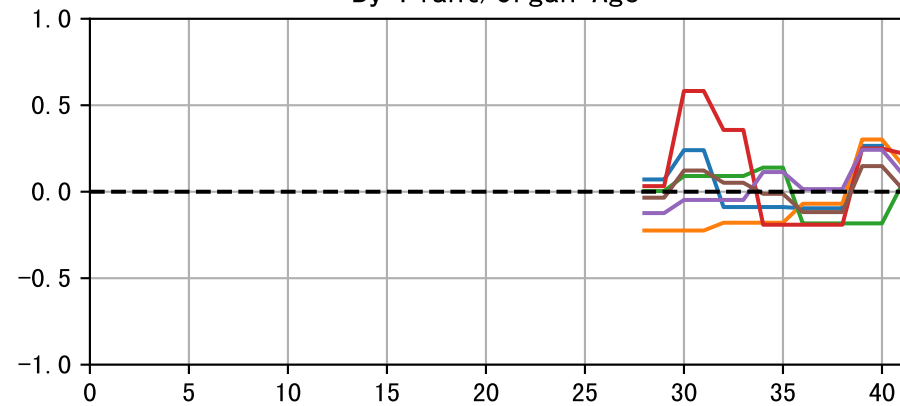
a (Def=0.42 Set=0.46)
avg1=0.47~6% avg2=0.46~2%



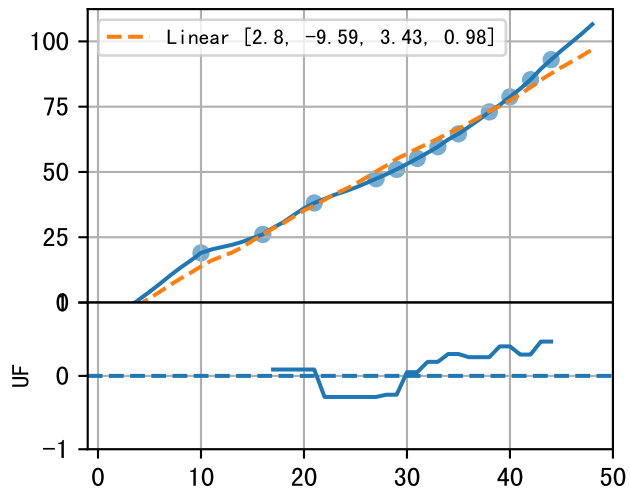
By Start Date



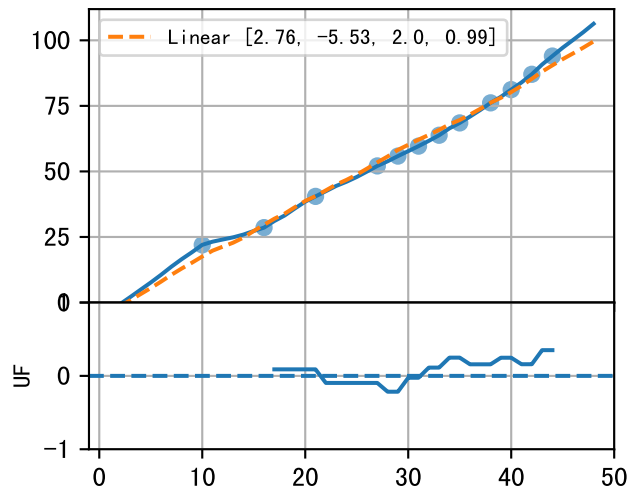
By Plant/Organ Age



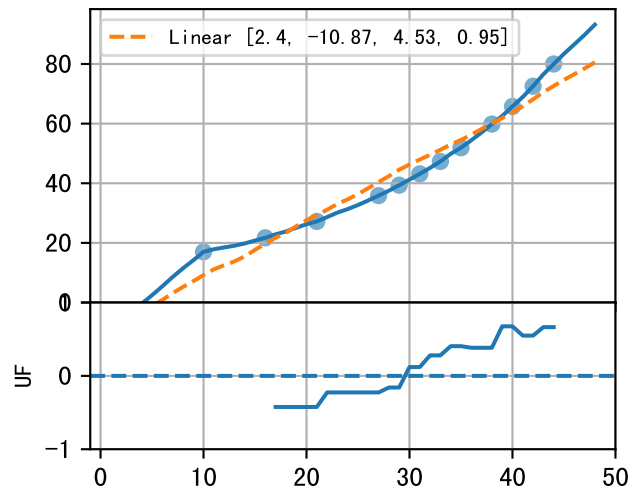
P10AW-003-11



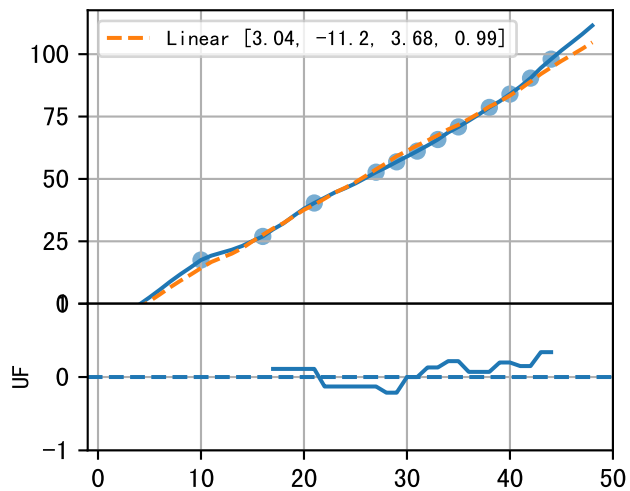
P10AW-016-3



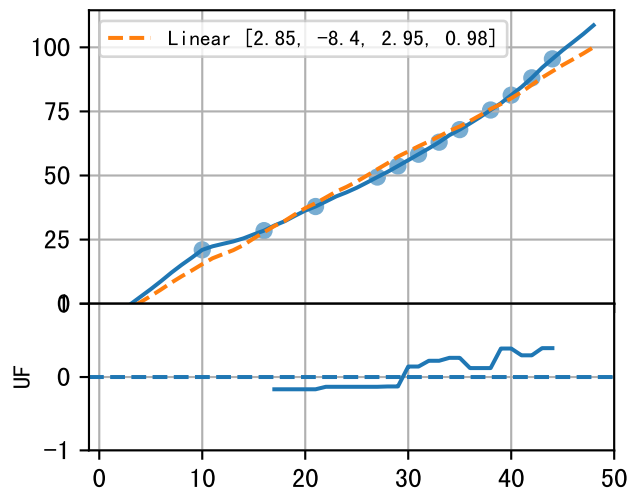
P10AW-029-30



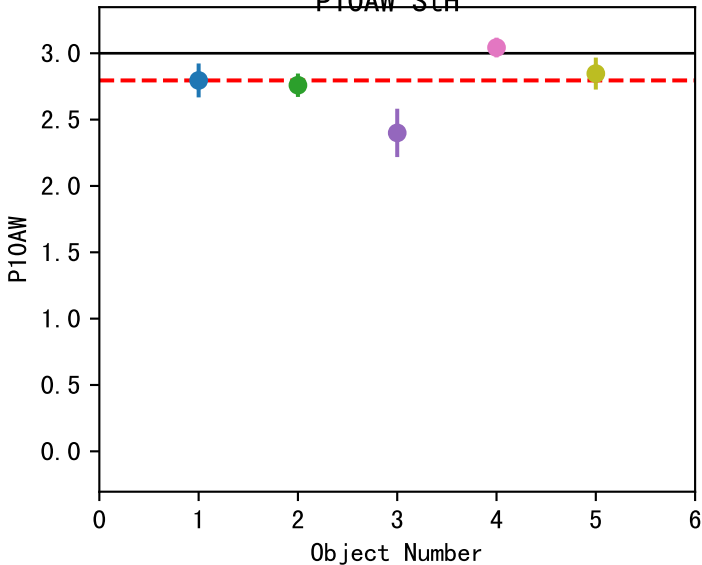
P10AW-041-24



P10AW-054-10

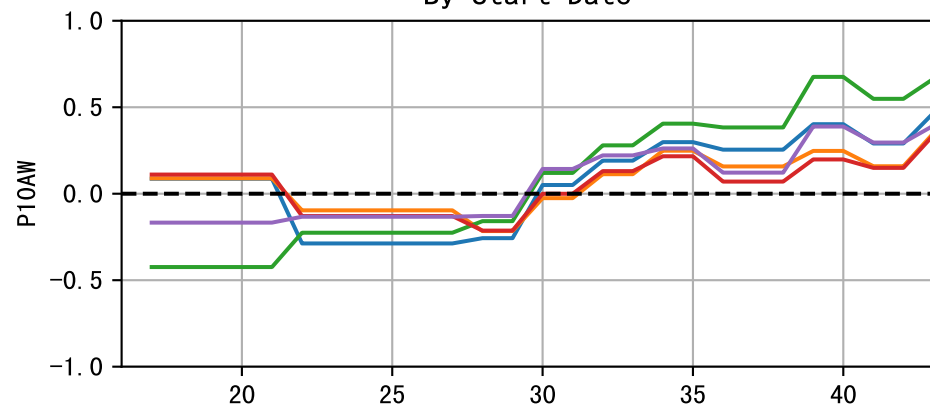


a (Def=3 Set=2.8)
avg1=2.8 $\pm$ 2% avg2=na
P10AW StH

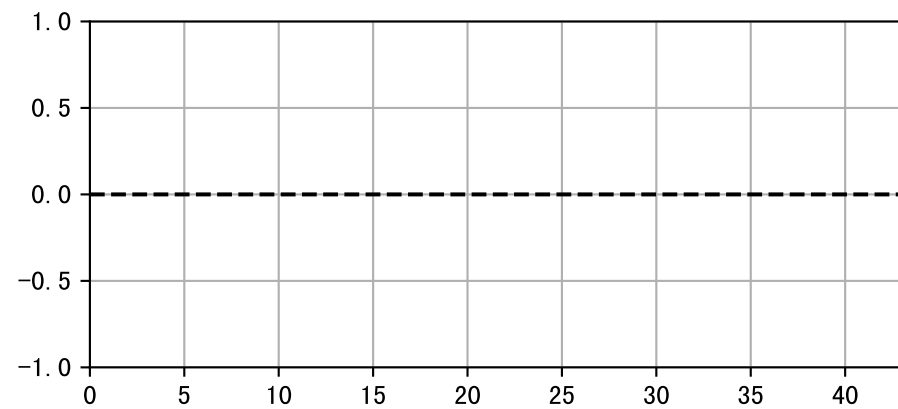
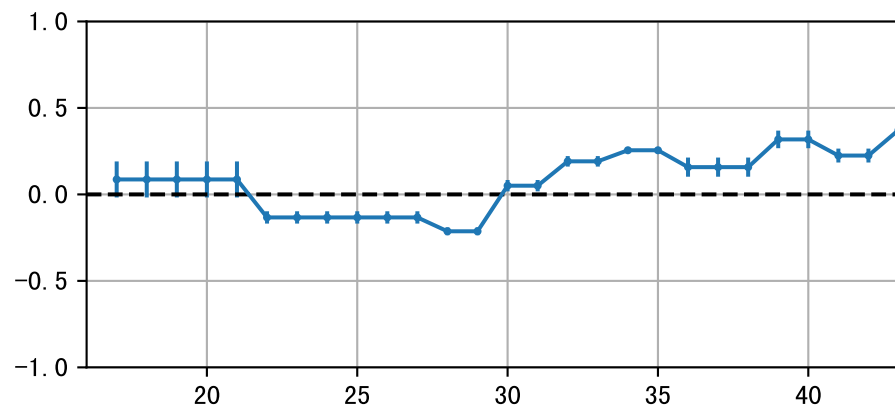
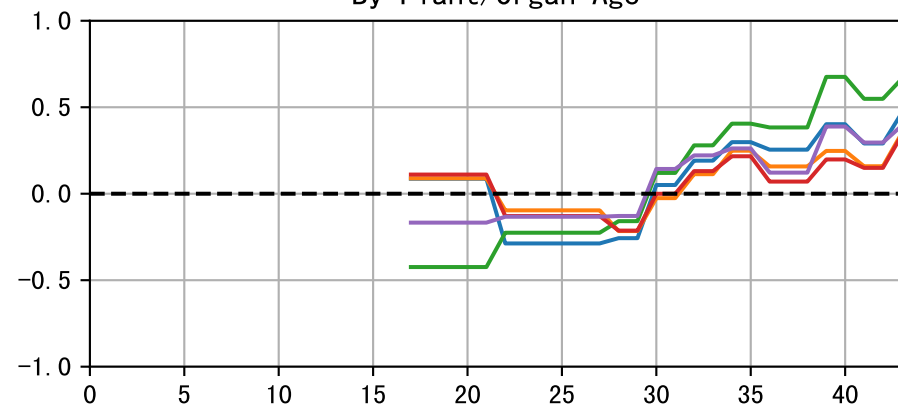


StH

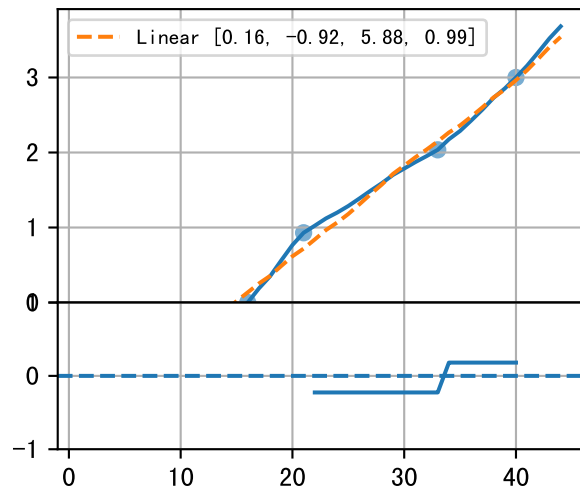
By Start Date



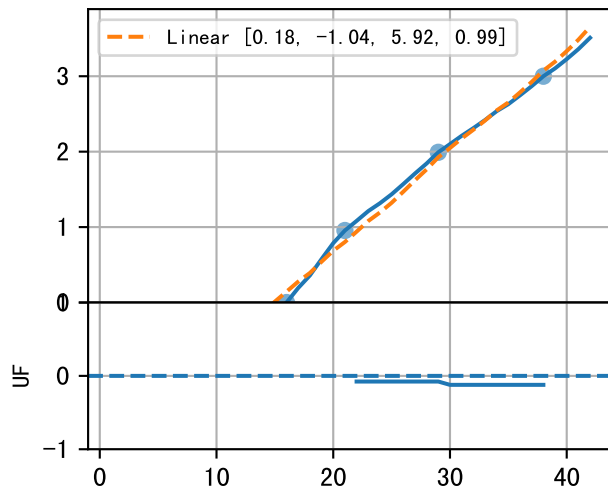
By Plant/Organ Age



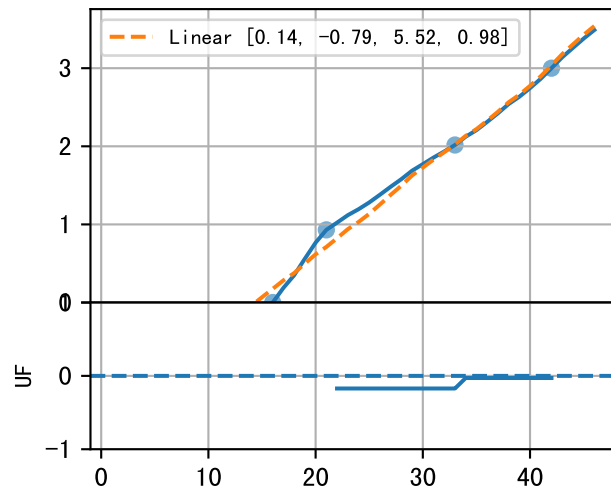
P10AW-003-11



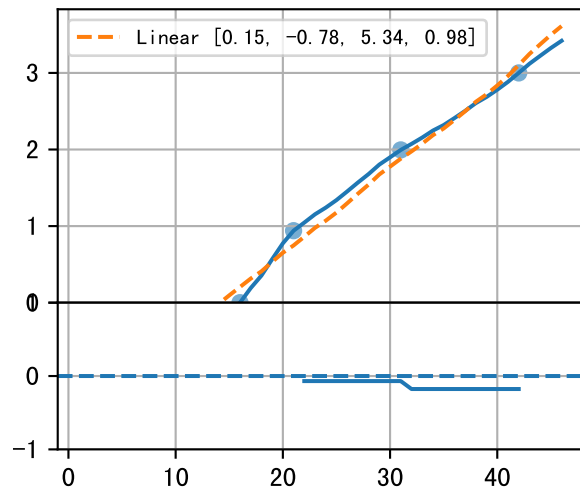
P10AW-016-3



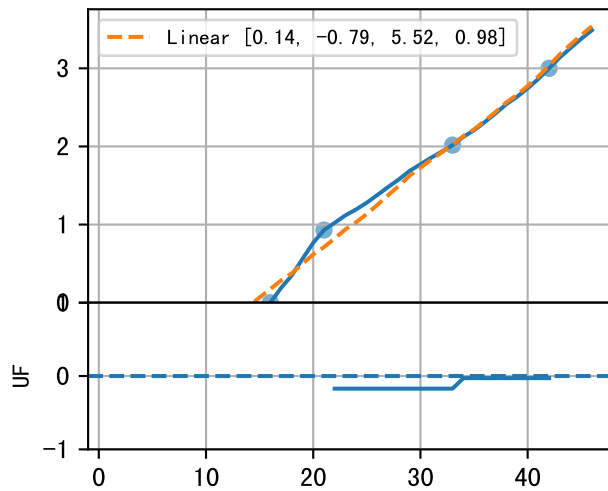
P10AW-029-30



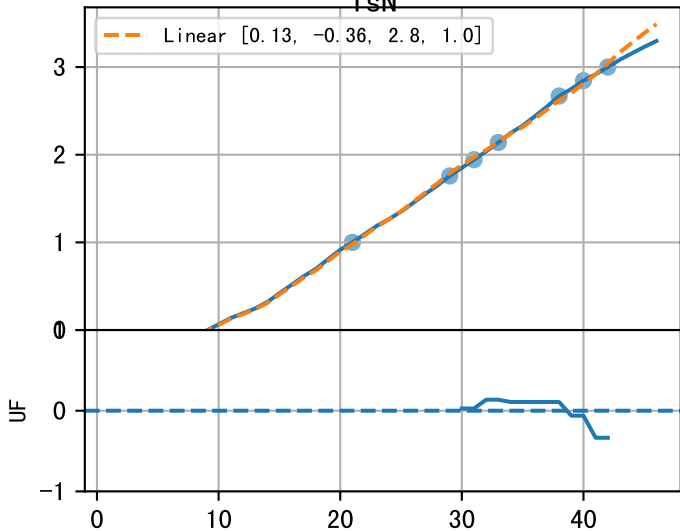
P10AW-041-24

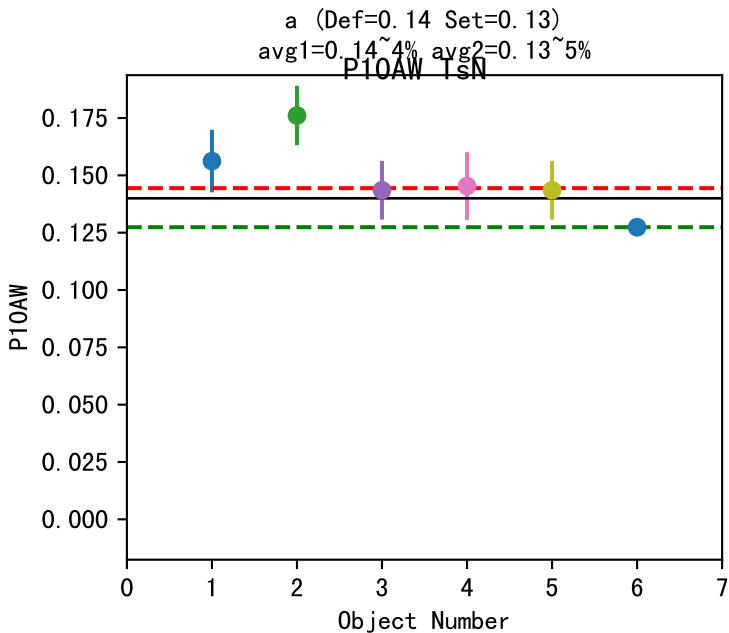


P10AW-054-10



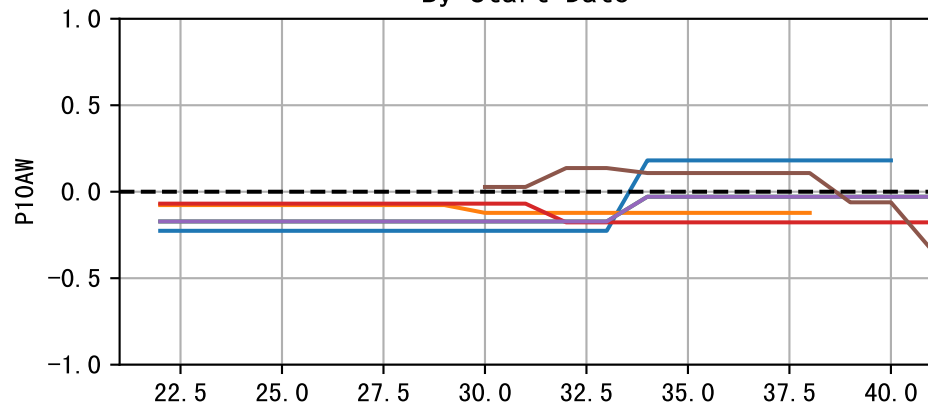
P10AWavg
T_{SN}



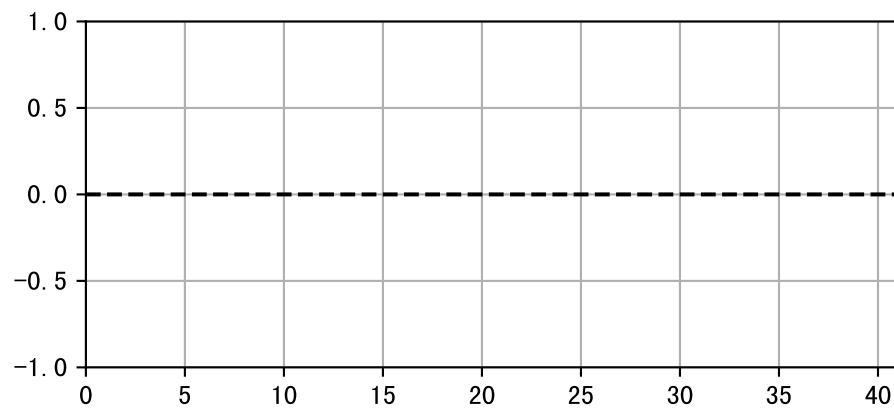
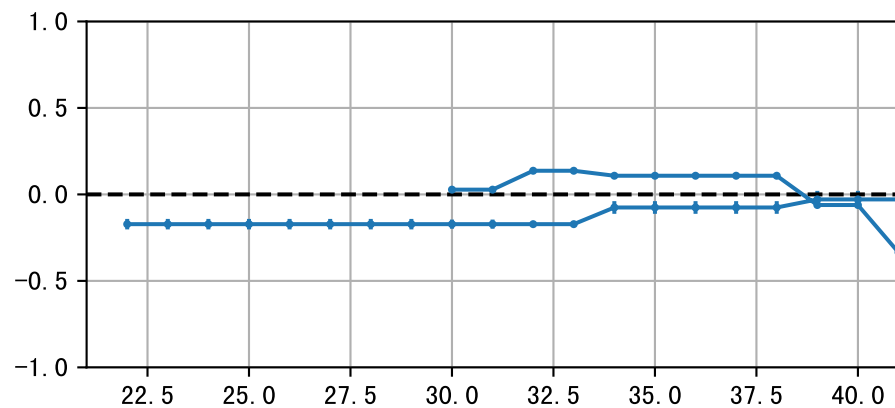
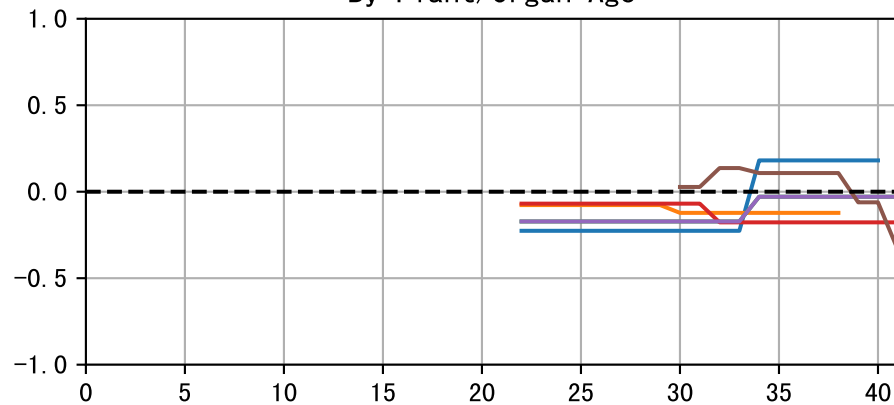


TsN

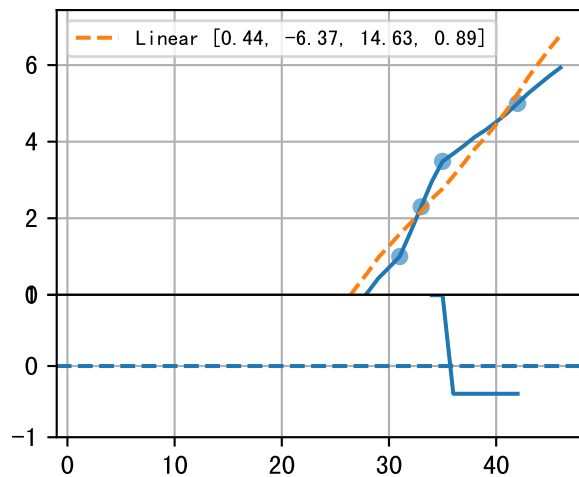
By Start Date



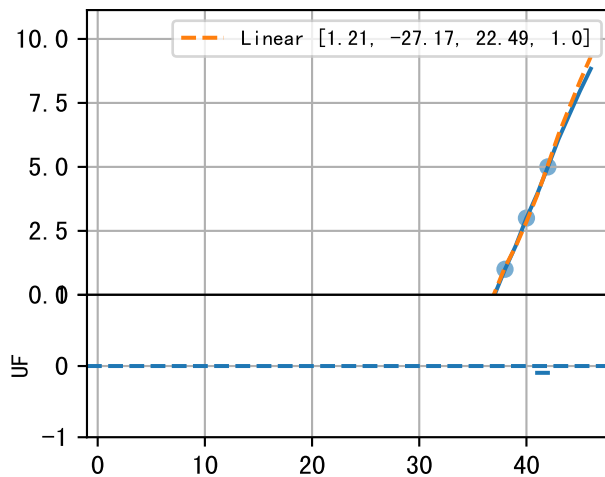
By Plant/Organ Age



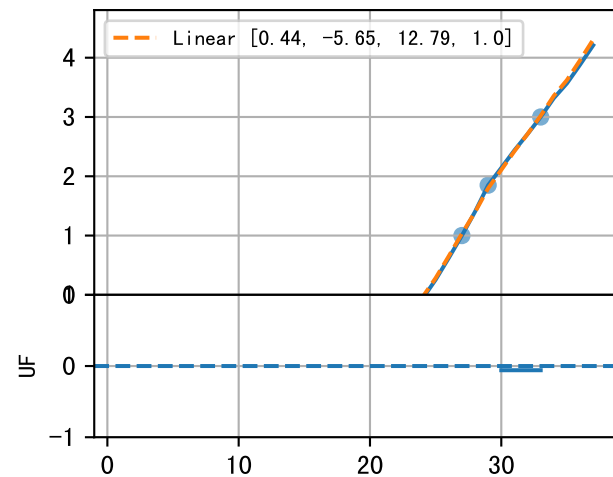
P10AW-003-11T1



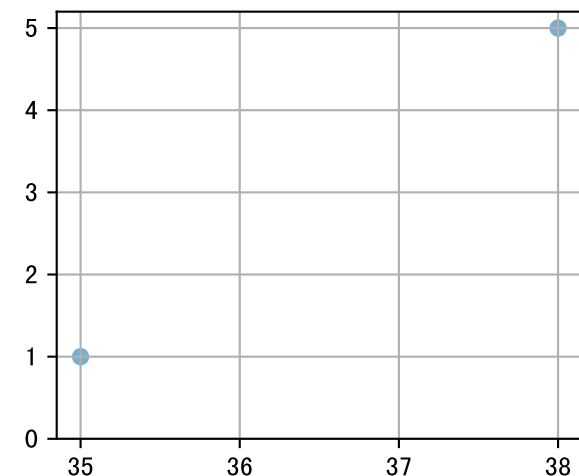
P10AW-003-11T2



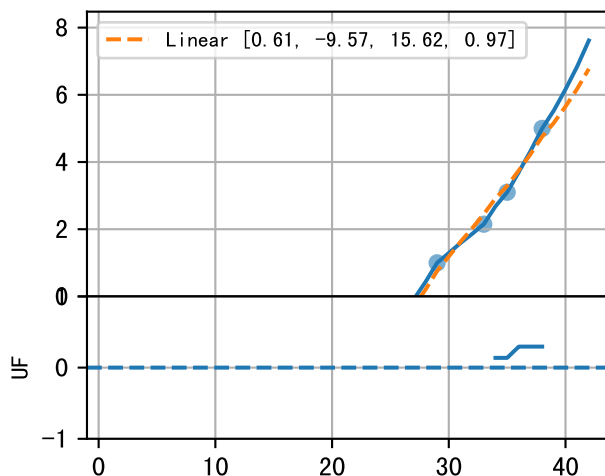
P10AW-016-3T1



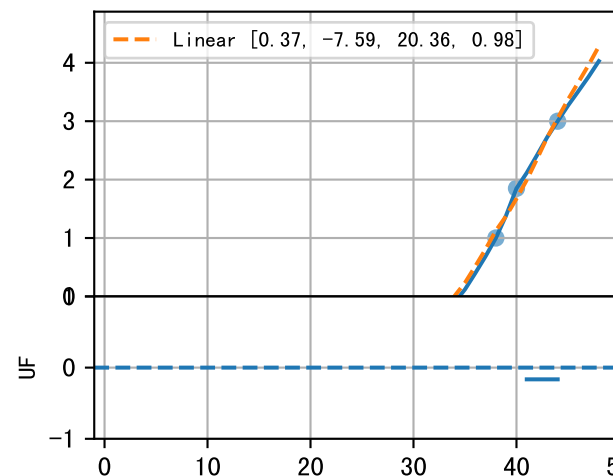
P10AW-016-3T2 (fit failed)



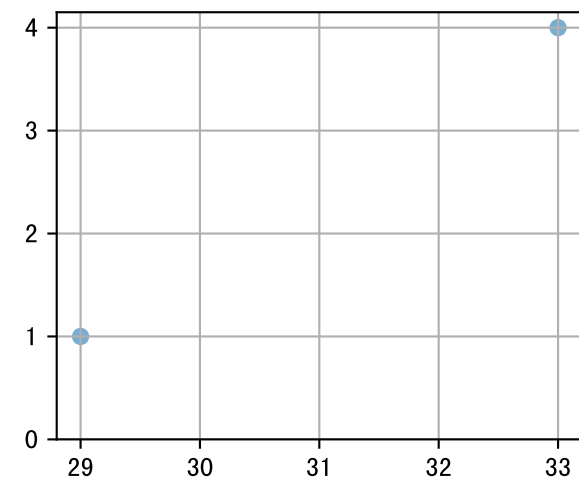
P10AW-029-30T1



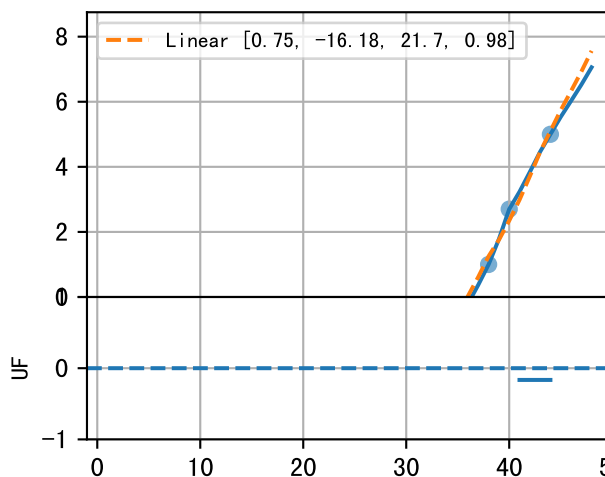
P10AW-029-30T2



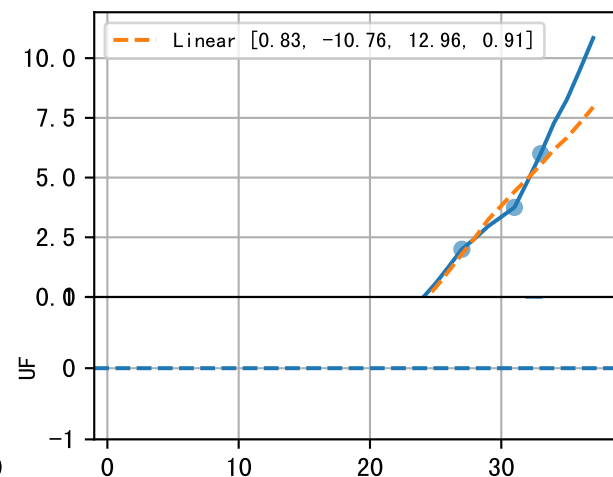
P10AW-041-24T1 (fit failed)



P10AW-041-24T2

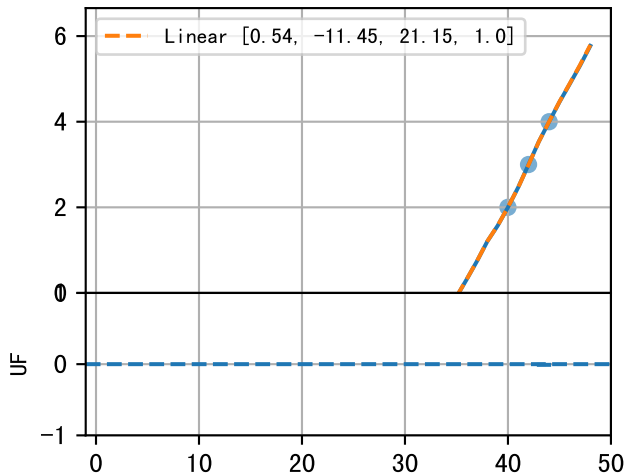


P10AW-054-10T1

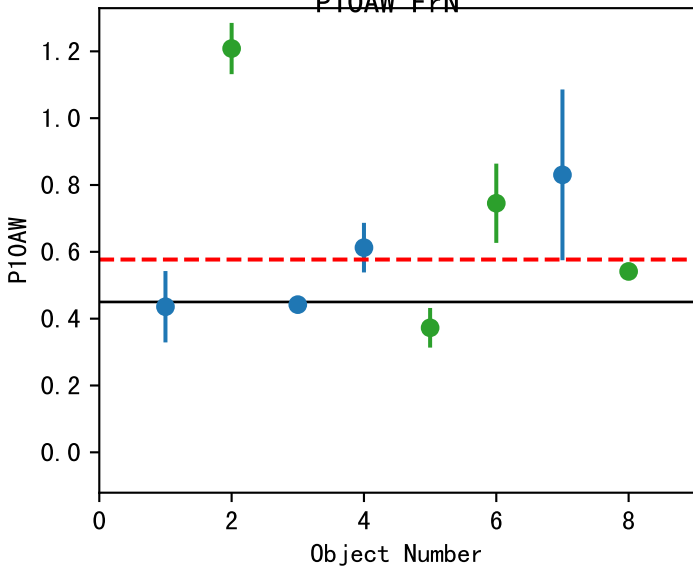


P10AW-054-10T2

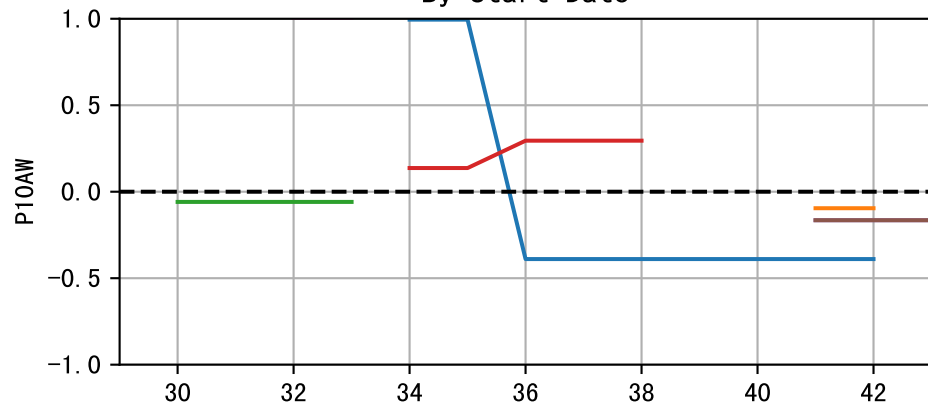
FrN



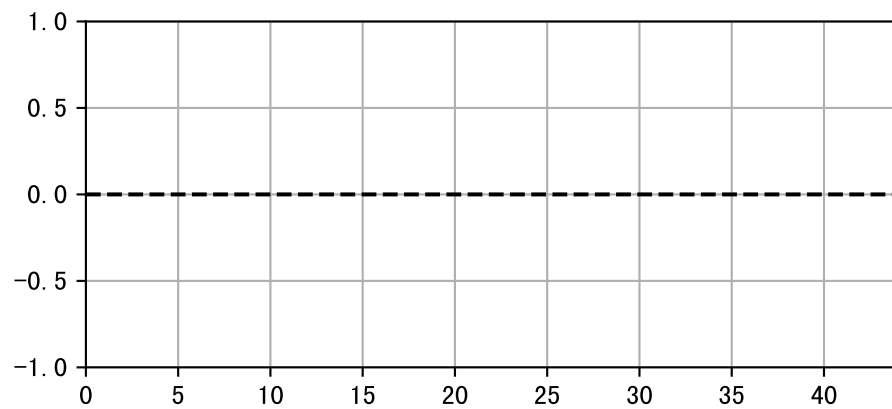
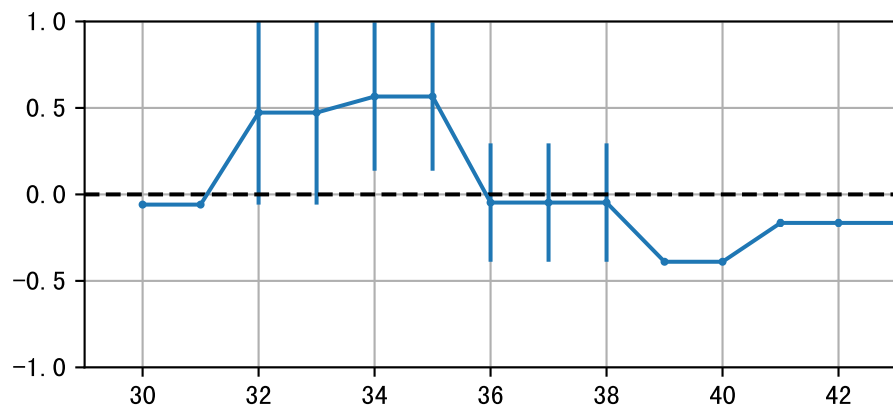
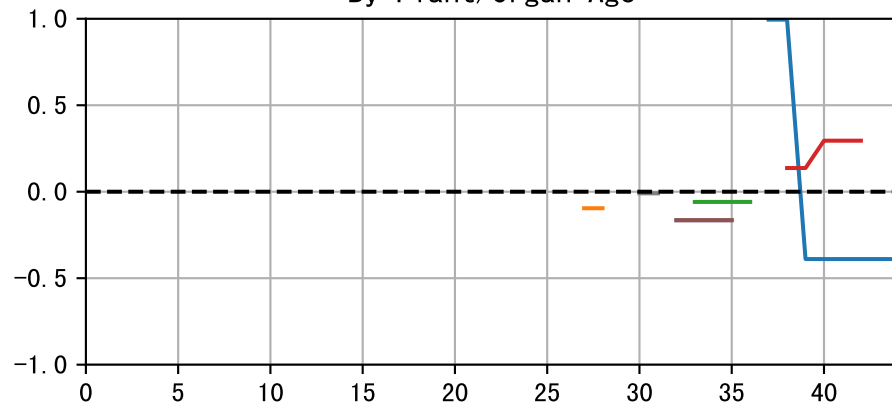
a (Def=0.45 Set=0.58)
avg1=0.58~48% avg2=na



By Start Date

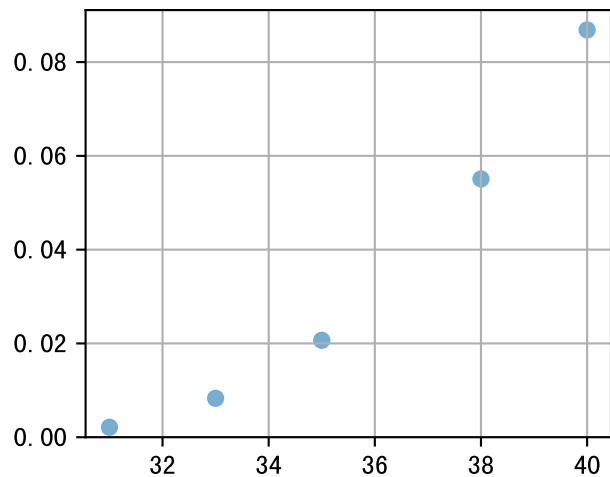


By Plant/Organ Age

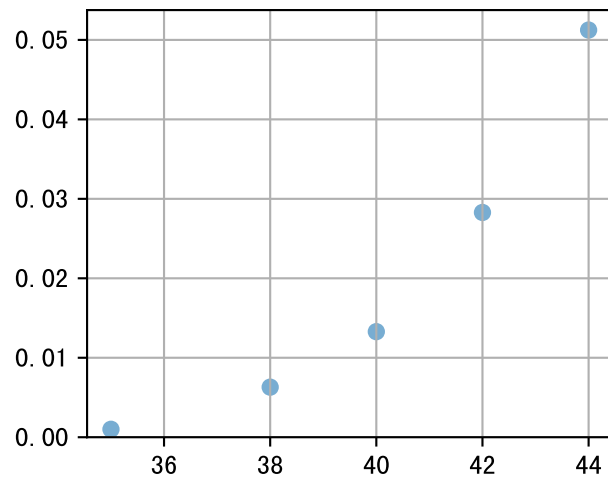


^{54}FeV

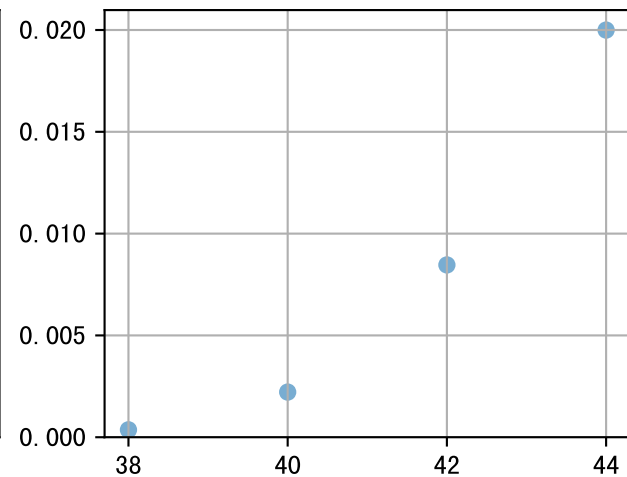
P10AW-003-11T1Fr1 (fit failed)



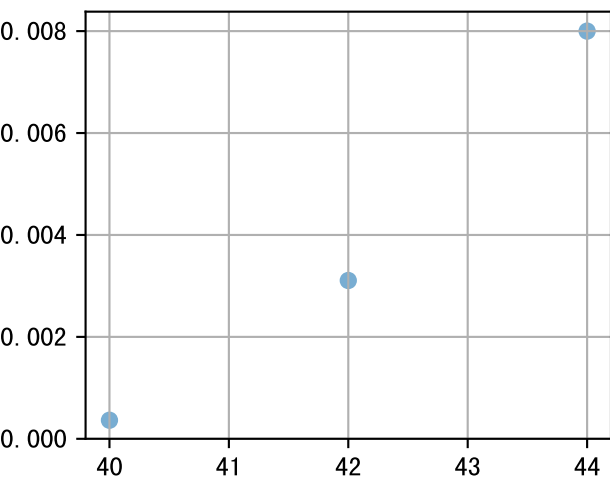
P10AW-003-11T1Fr5 (fit failed)



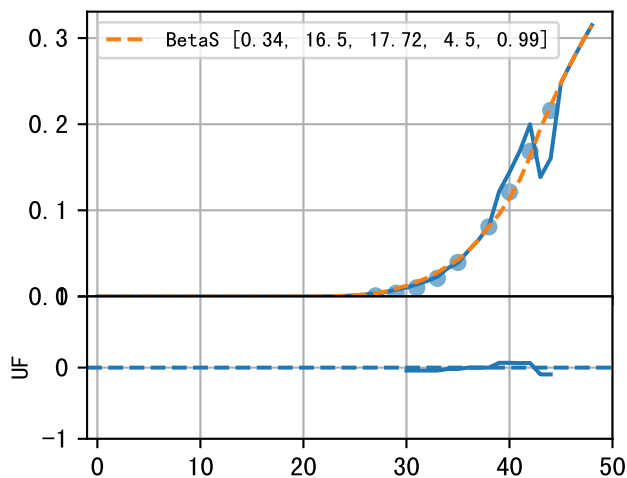
P10AW-003-11T2Fr1 (fit failed)



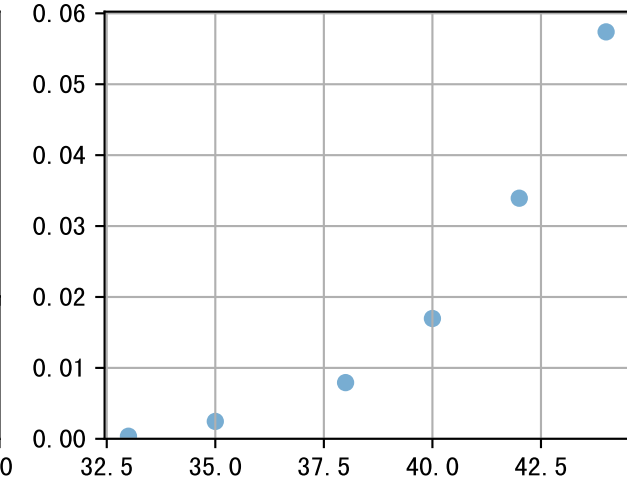
P10AW-003-11T2Fr5 (fit failed)



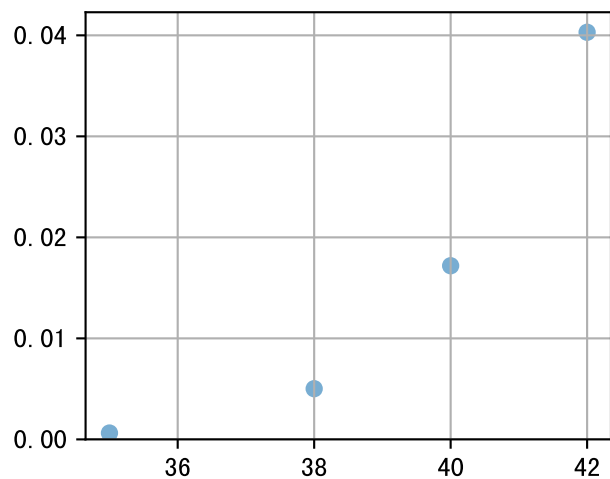
P10AW-016-3T1Fr1 (fit failed)



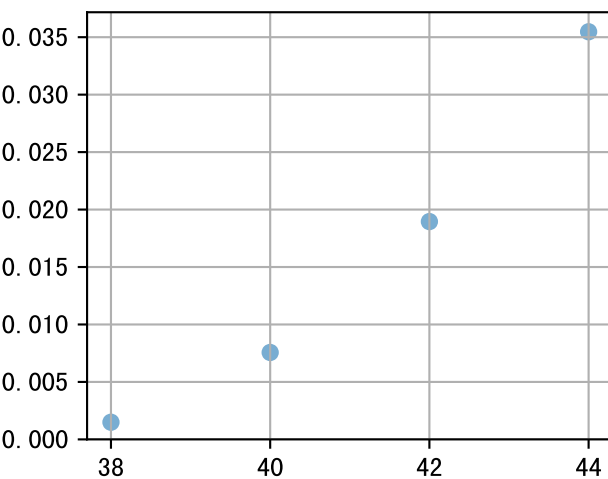
P10AW-016-3T1Fr5 (fit failed)



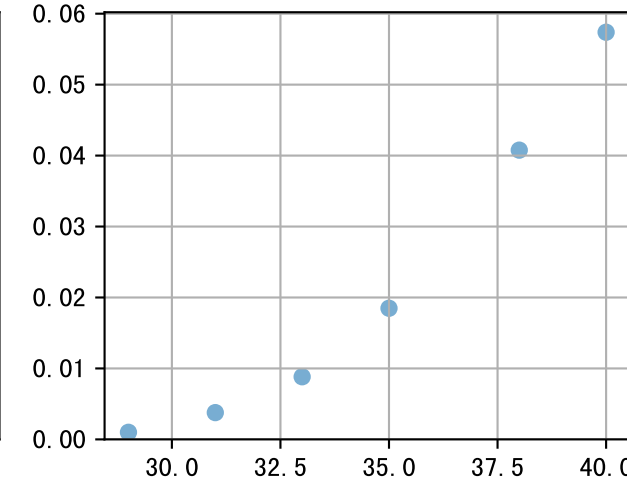
P10AW-016-3T2Fr1 (fit failed)



P10AW-016-3T2Fr5 (fit failed)

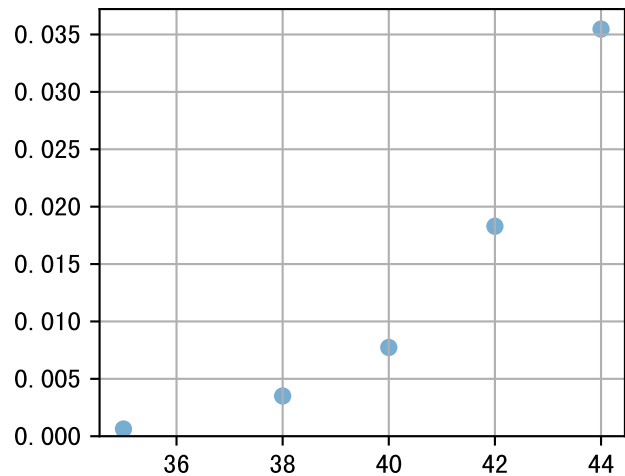


P10AW-029-30T1Fr1 (fit failed)

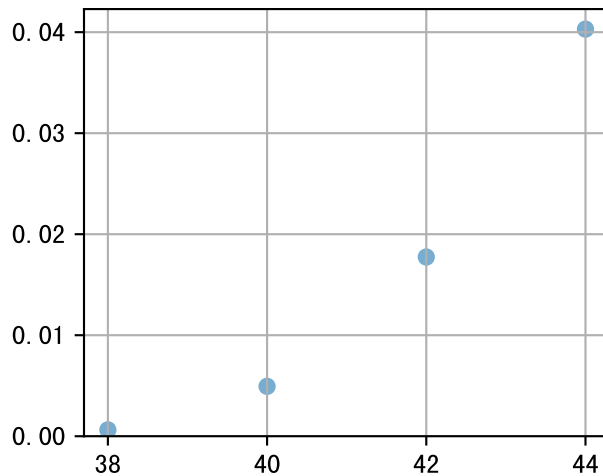


FeV

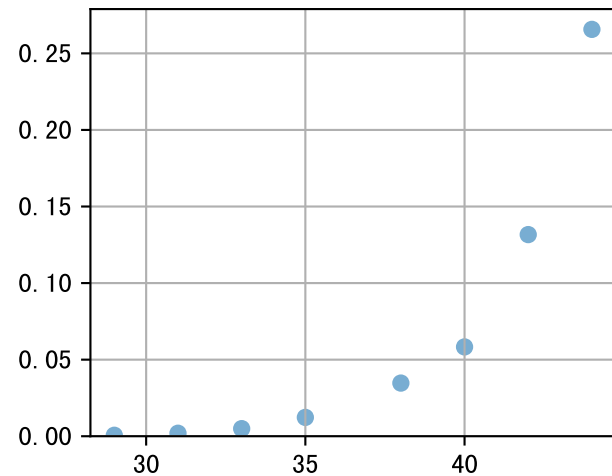
P10AW-029-30T1Fr5 (fit failed)



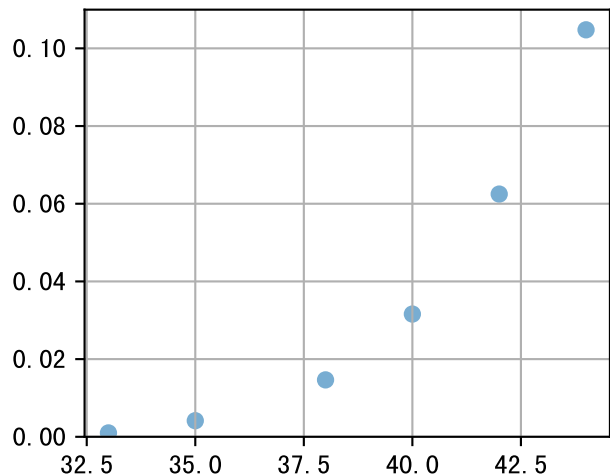
P10AW-029-30T2Fr1 (fit failed)



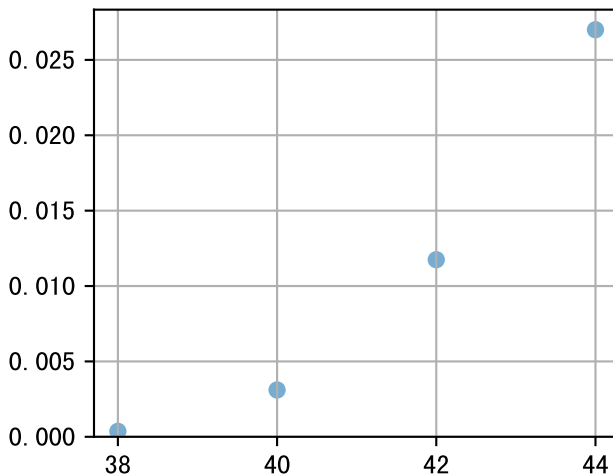
P10AW-041-24T1Fr1 (fit failed)



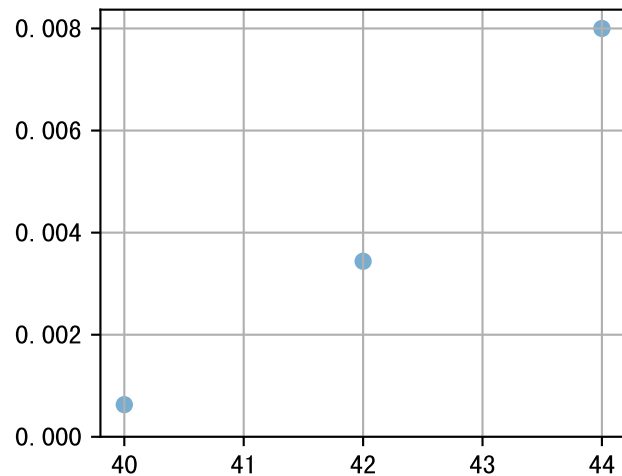
P10AW-041-24T1Fr5 (fit failed)



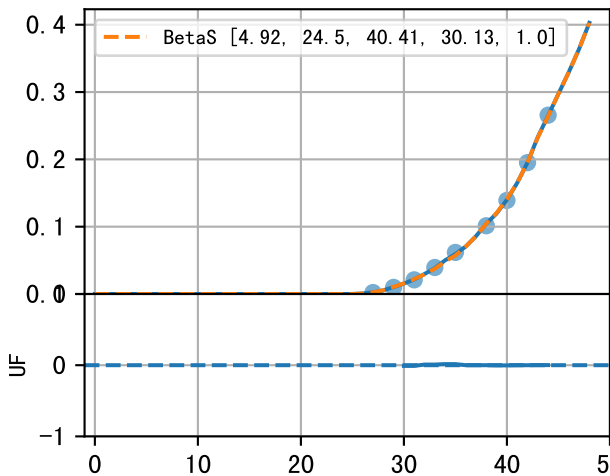
P10AW-041-24T2Fr1 (fit failed)



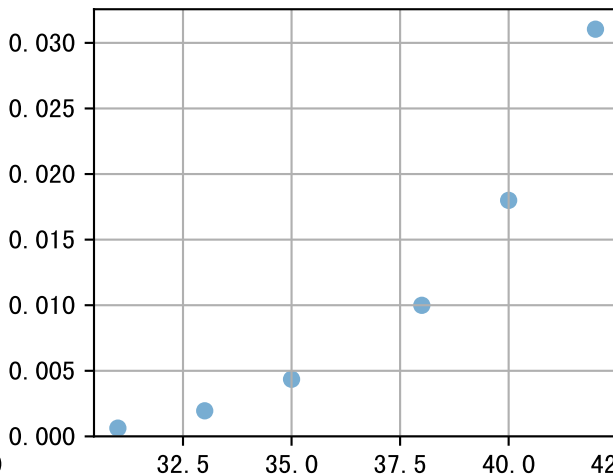
P10AW-041-24T2Fr5 (fit failed)



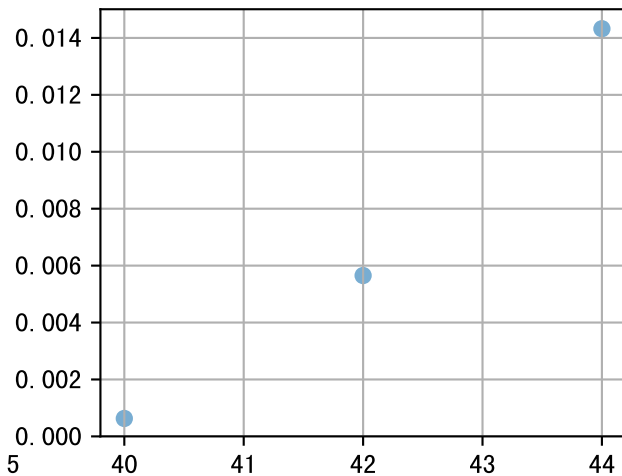
P10AW-054-10T1Fr1 (fit failed)



P10AW-054-10T1Fr5 (fit failed)

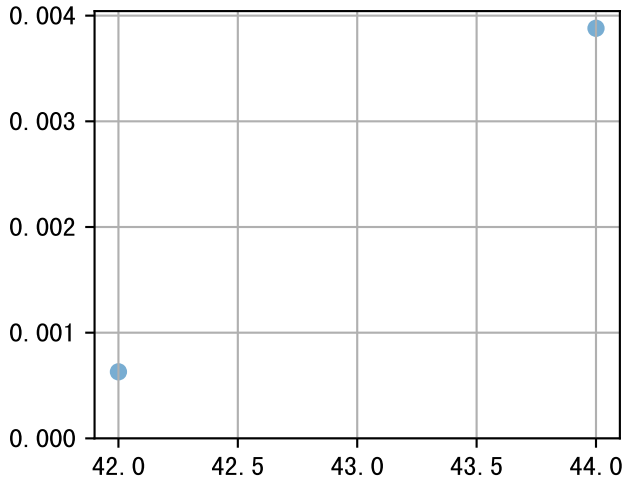


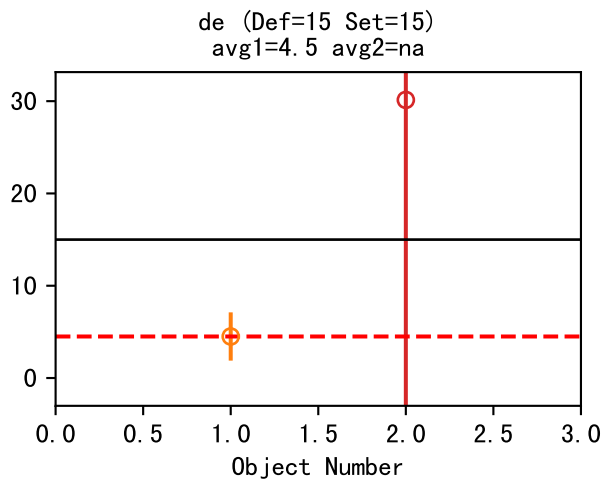
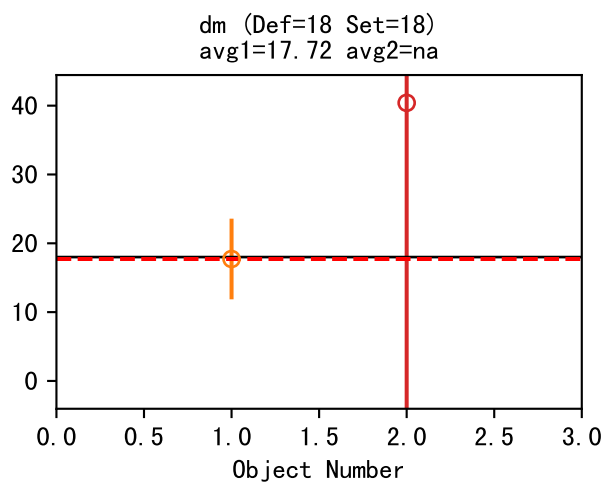
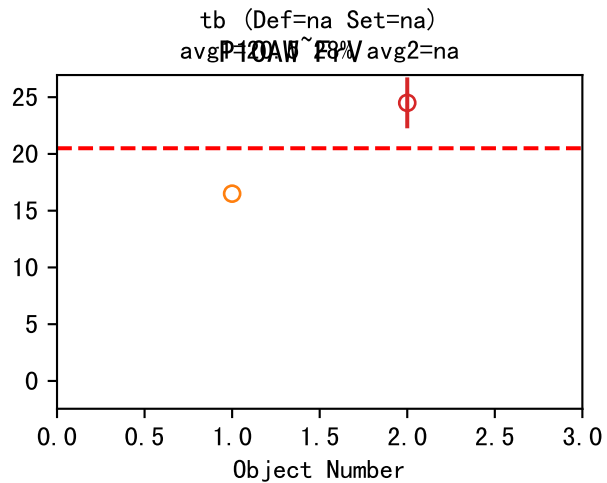
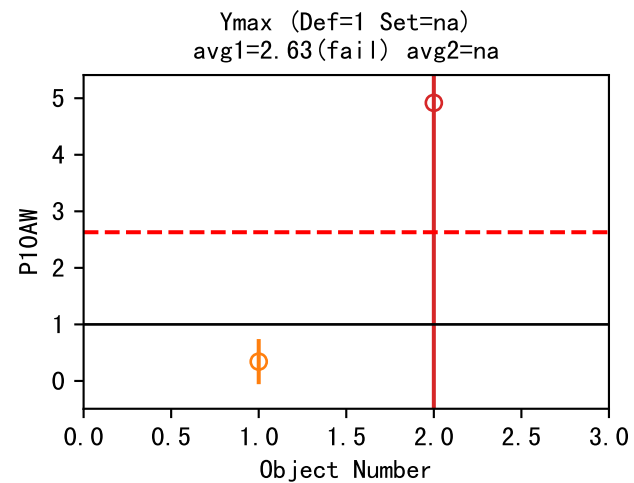
P10AW-054-10T2Fr1 (fit failed)



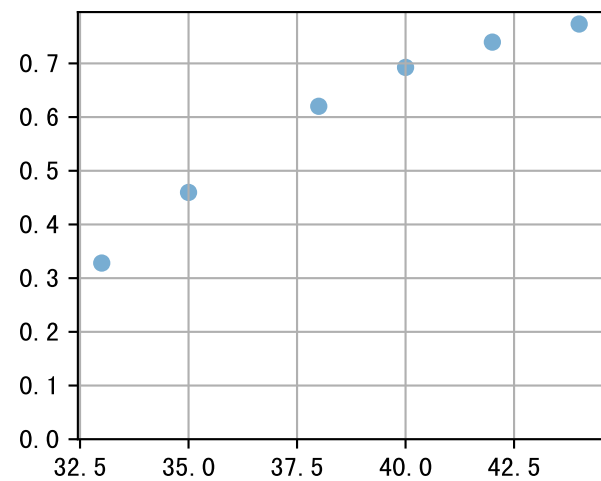
P10AW-054-10T2Fr5 (fit failed)

FrV

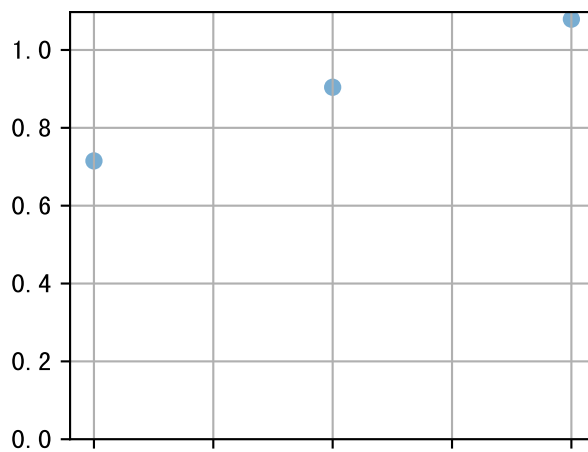




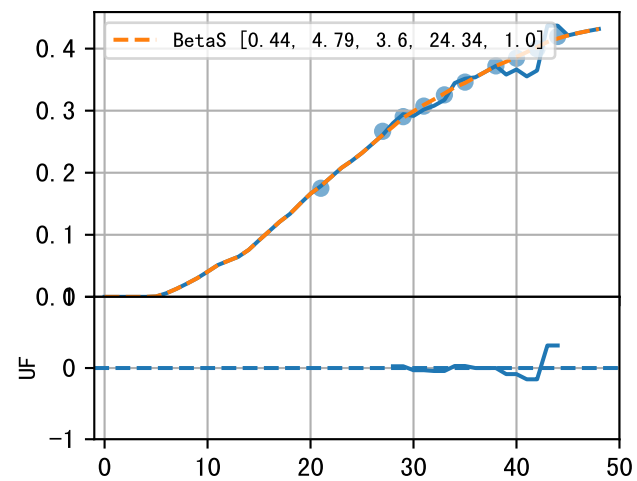
P10AW-003-11L11 (fit failed)



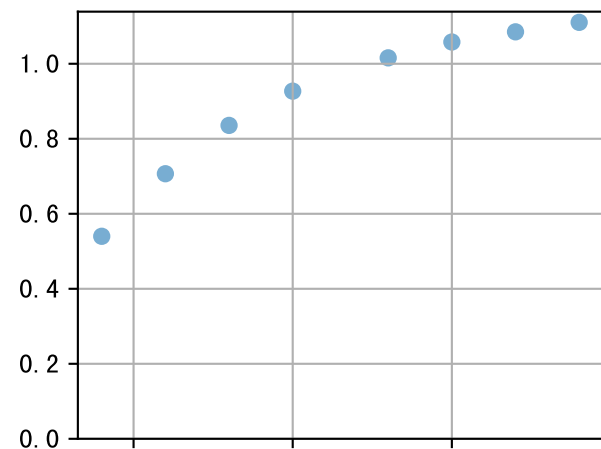
P10AW-003-11L14 (fit failed)



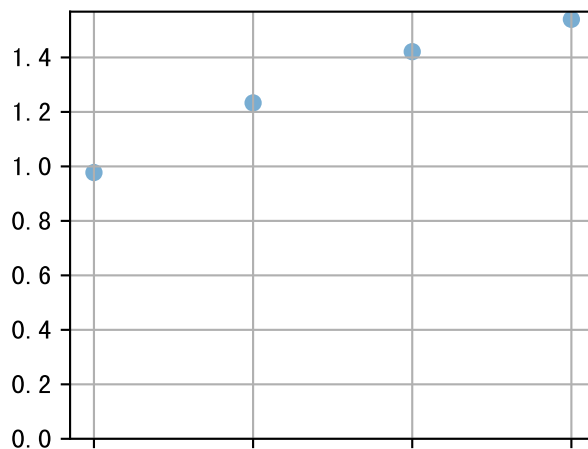
P10AW-003-11L6



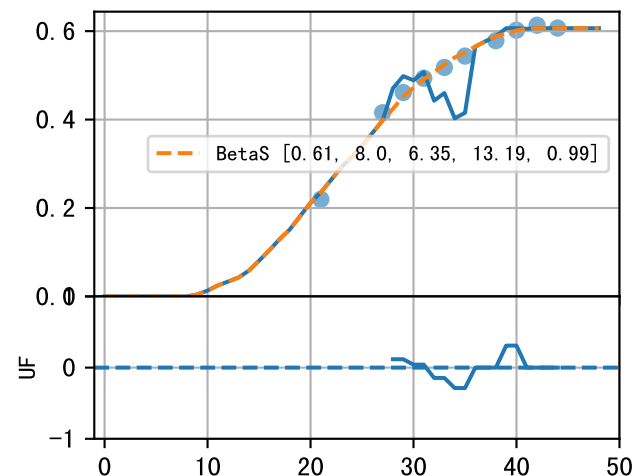
P10AW-016-3L10 (fit failed)



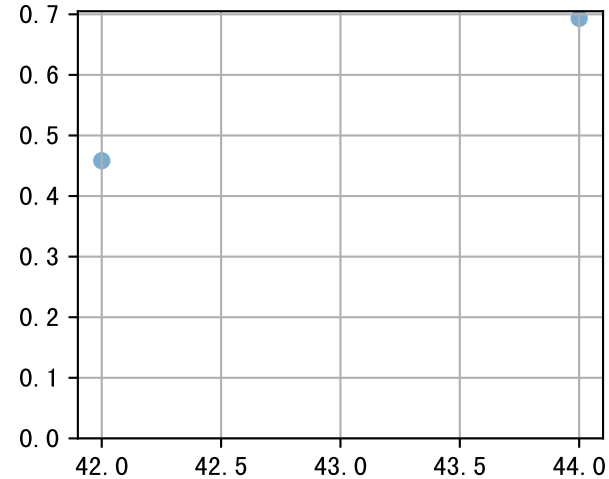
P10AW-016-3L13 (fit failed)



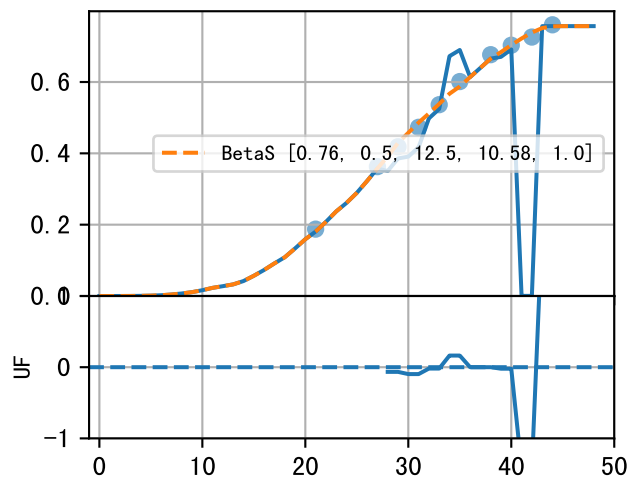
P10AW-016-3L7 (fit failed)



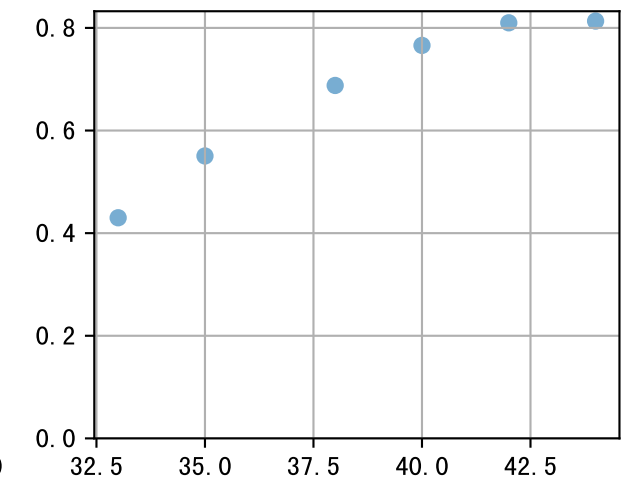
P10AW-029-30L12 (fit failed)



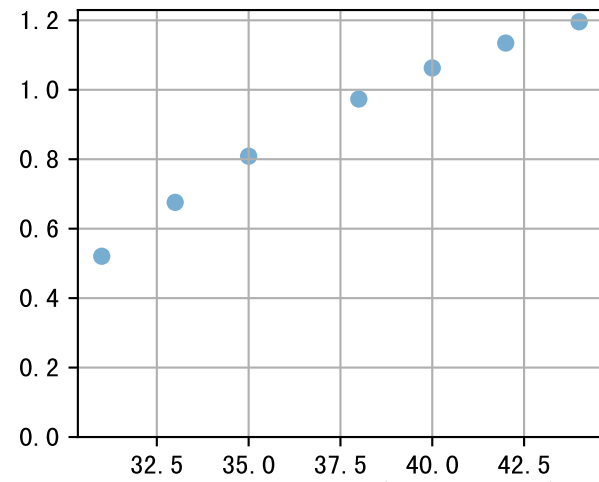
P10AW-029-30L6 (fit failed)



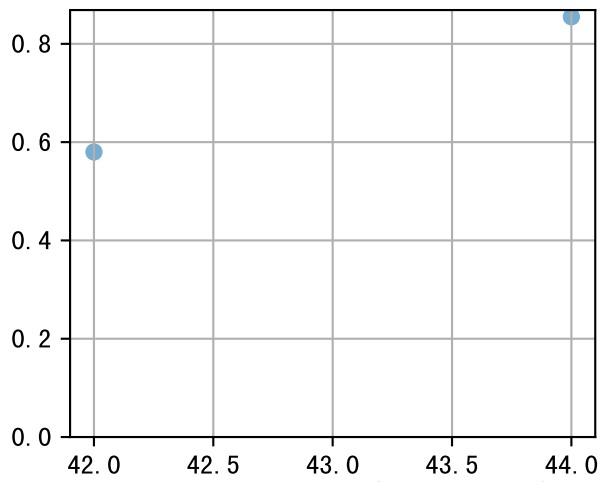
P10AW-029-30L9 (fit failed)



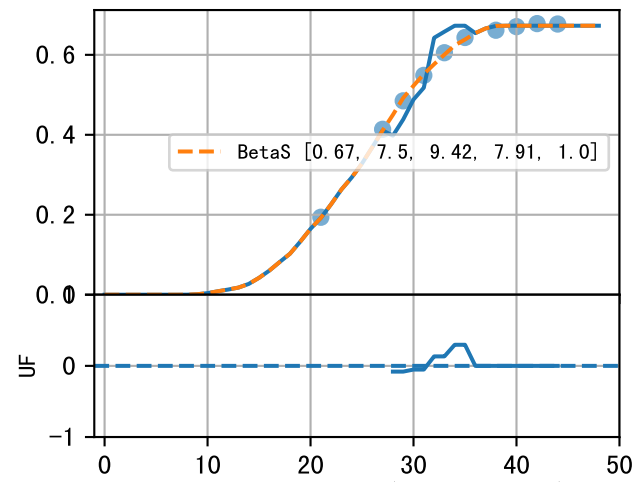
P10AW-041-24L10 (fit failed)



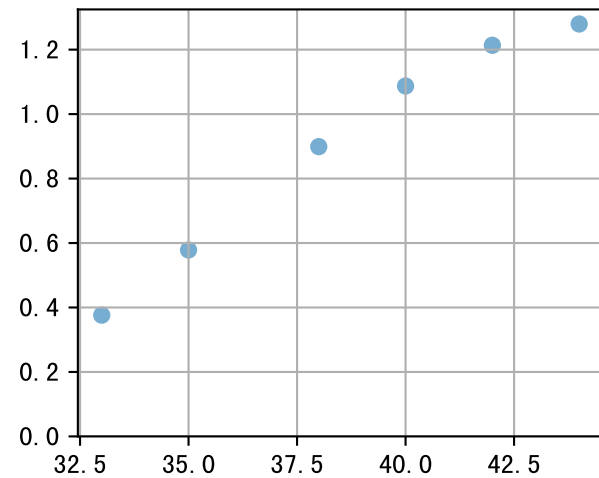
P10AW-041-24L13 (fit failed)



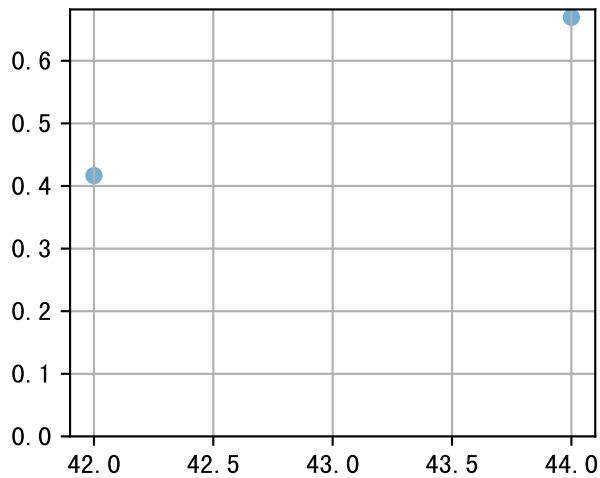
P10AW-041-24L7



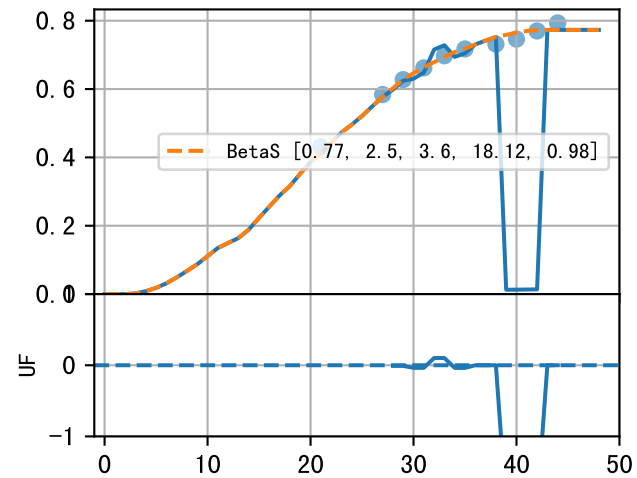
P10AW-054-10L10 (fit failed)



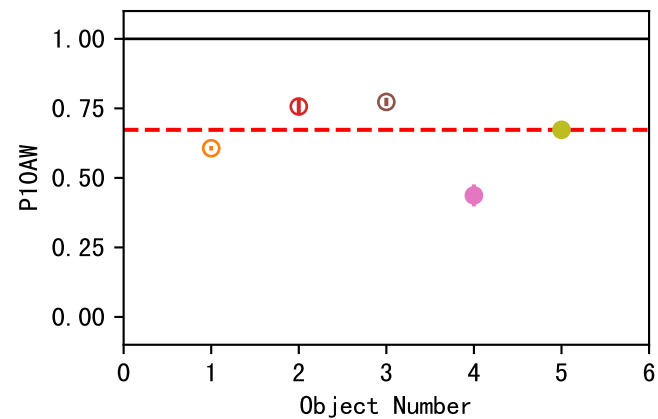
P10AW-054-10L14 (fit failed)



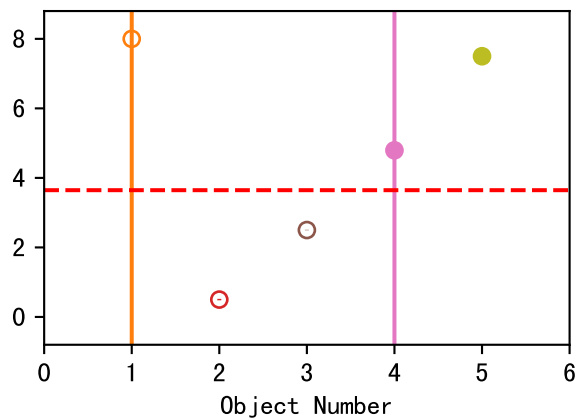
P10AW-054-10L6 (fit failed)



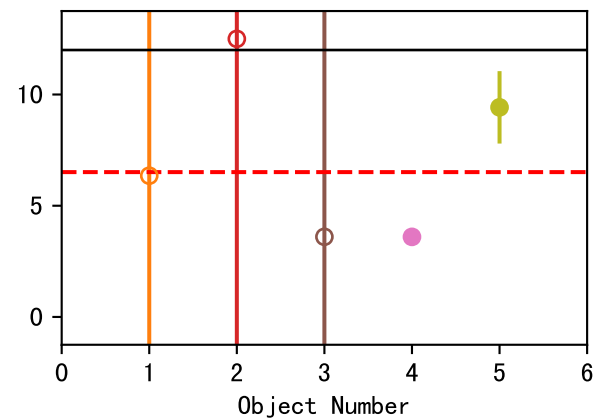
Ymax (Def=1 Set=0.67)
avg1=0.67~20% avg2=na



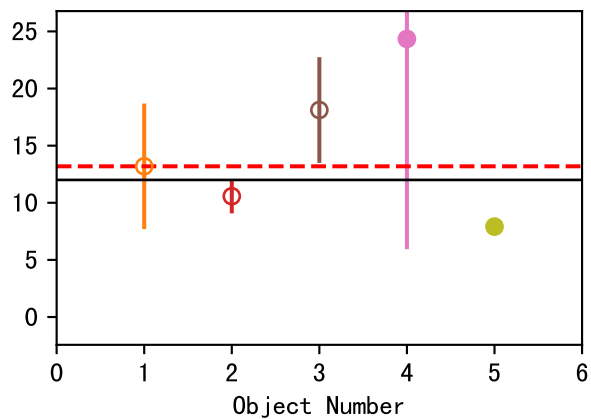
tb (Def=na Set=na)
avg1=10.61~23% avg2=na



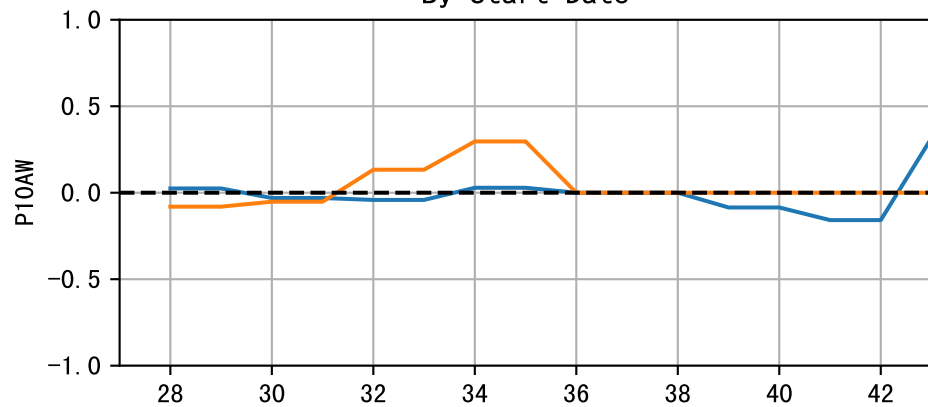
dm (Def=12 Set=12)
avg1=6.51~63% avg2=na



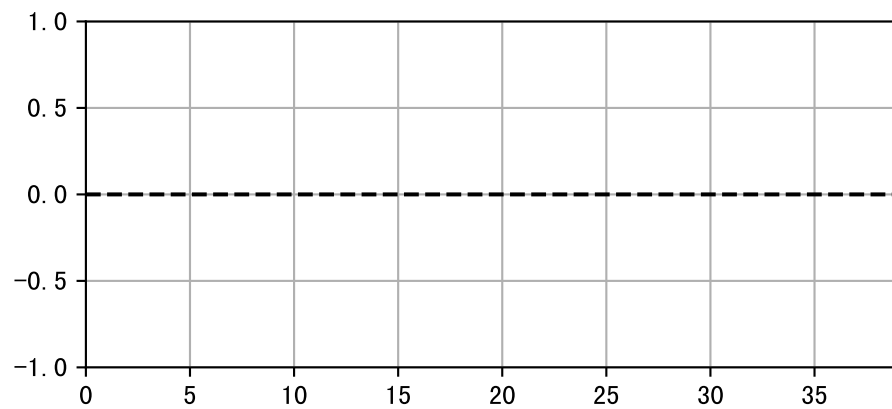
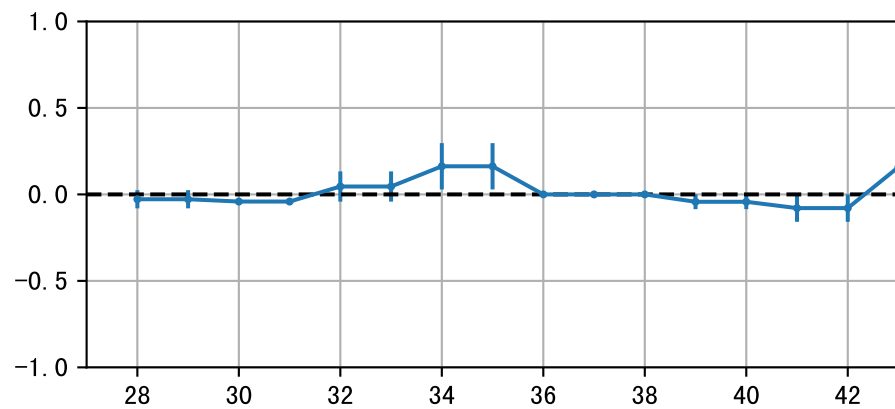
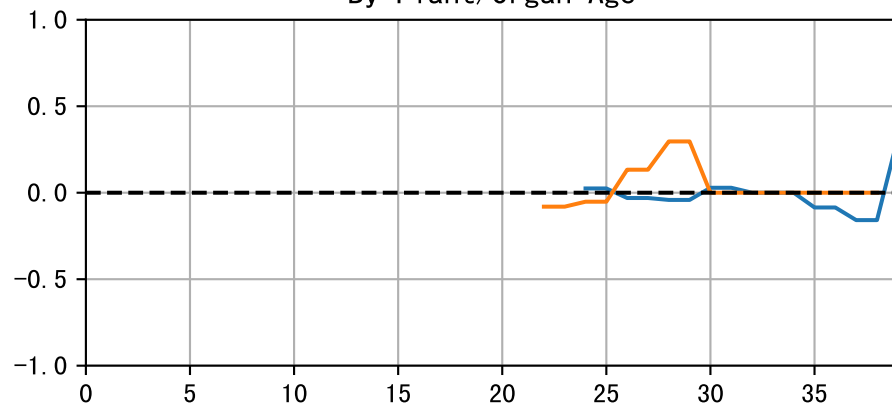
de (Def=12 Set=13.19)
avg1=13.19~49% avg2=na

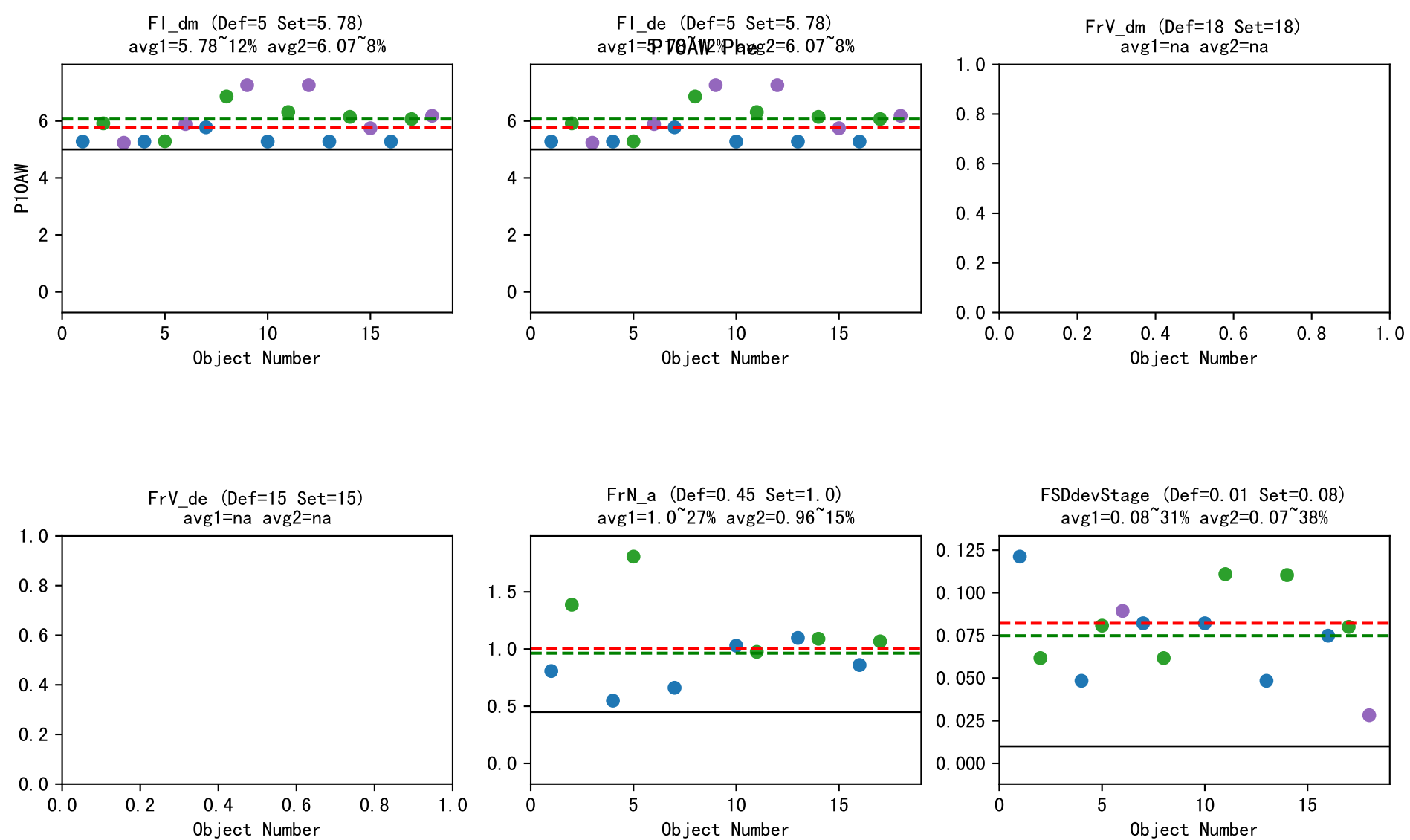


By Start Date

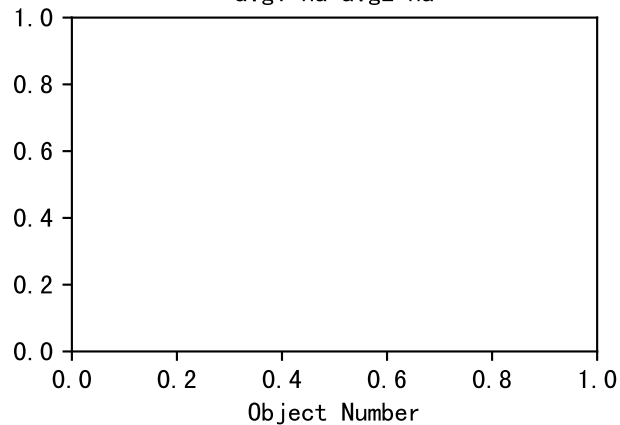


By Plant/Organ Age

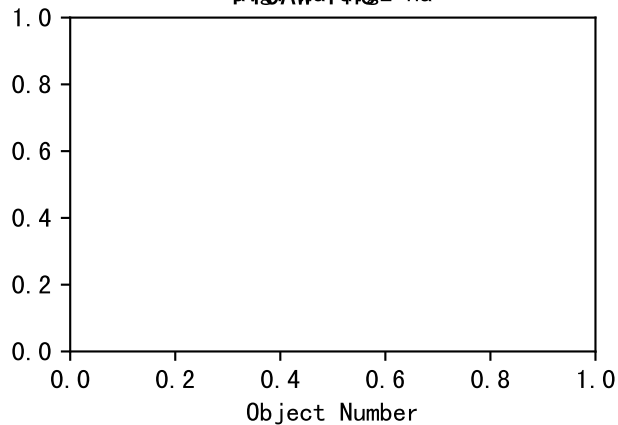




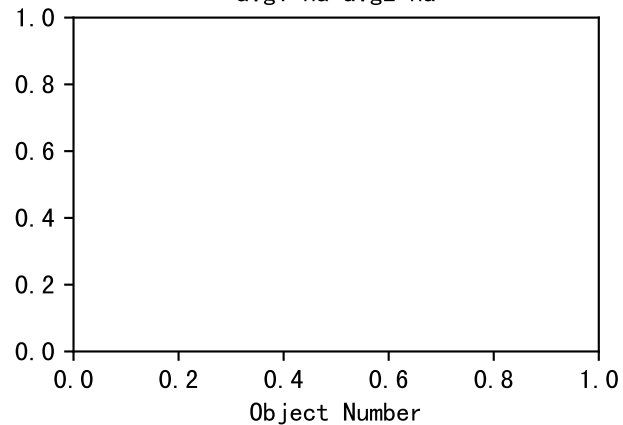
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



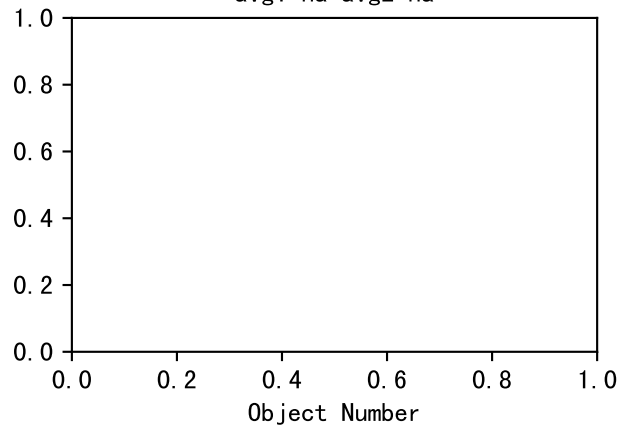
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



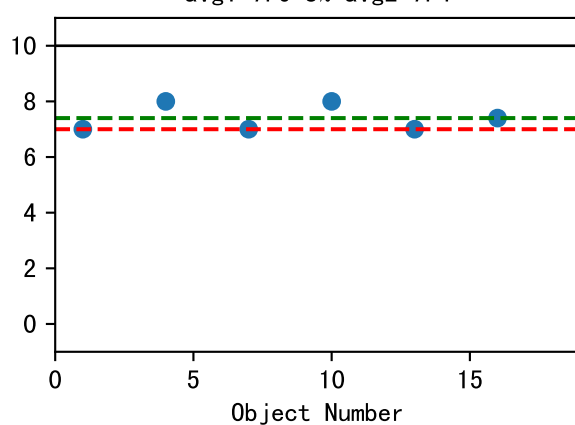
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

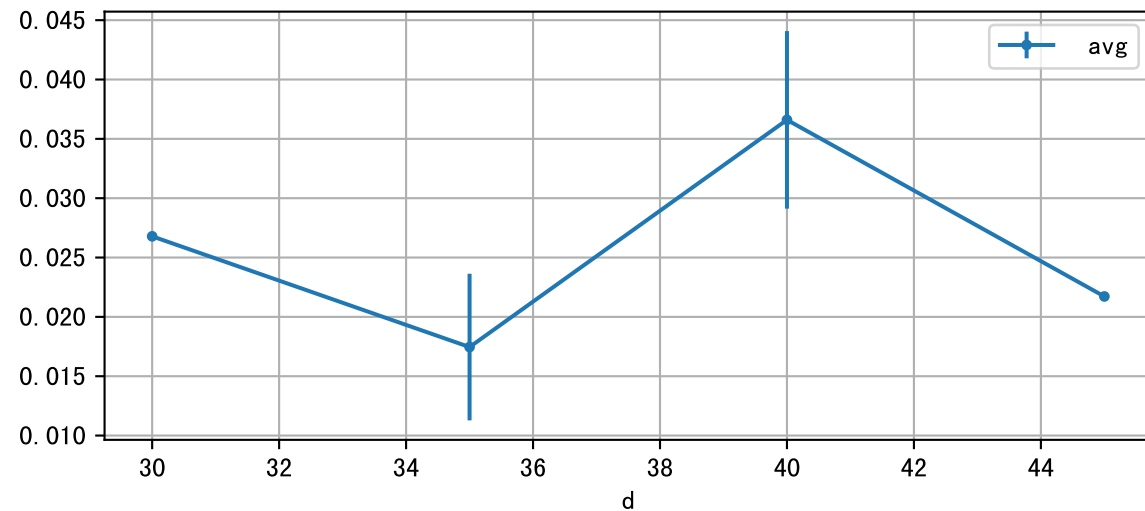


NNgen (Def=10 Set=7)
avg1=7.0~8% avg2=7.4

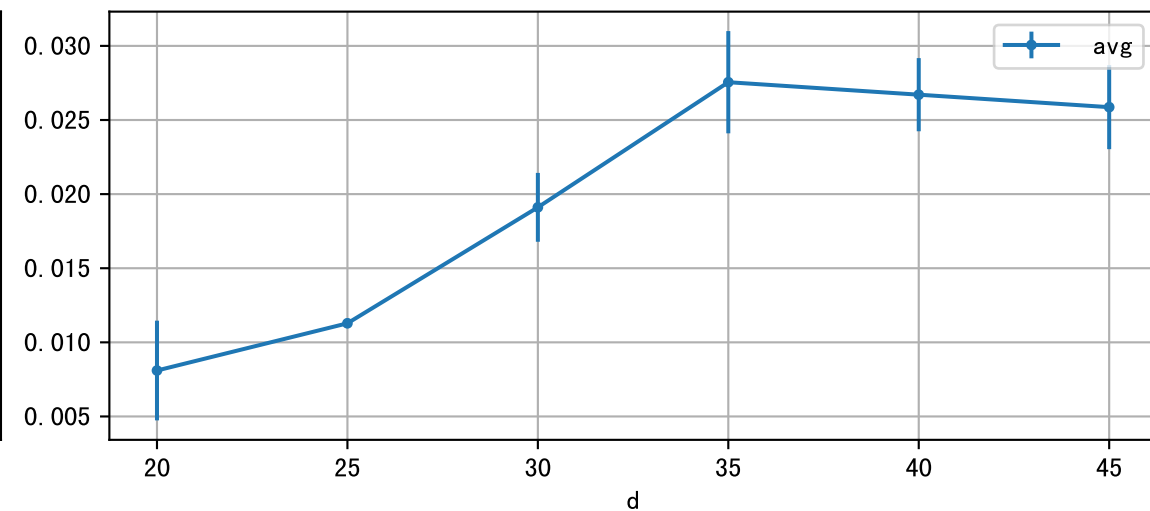


LfA: avg vs. d at each age group

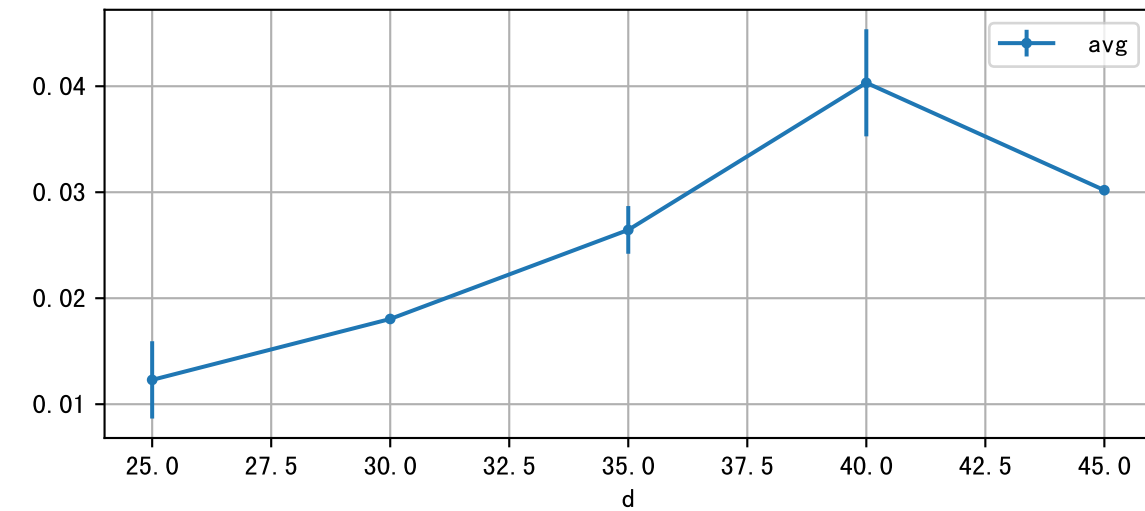
age=20



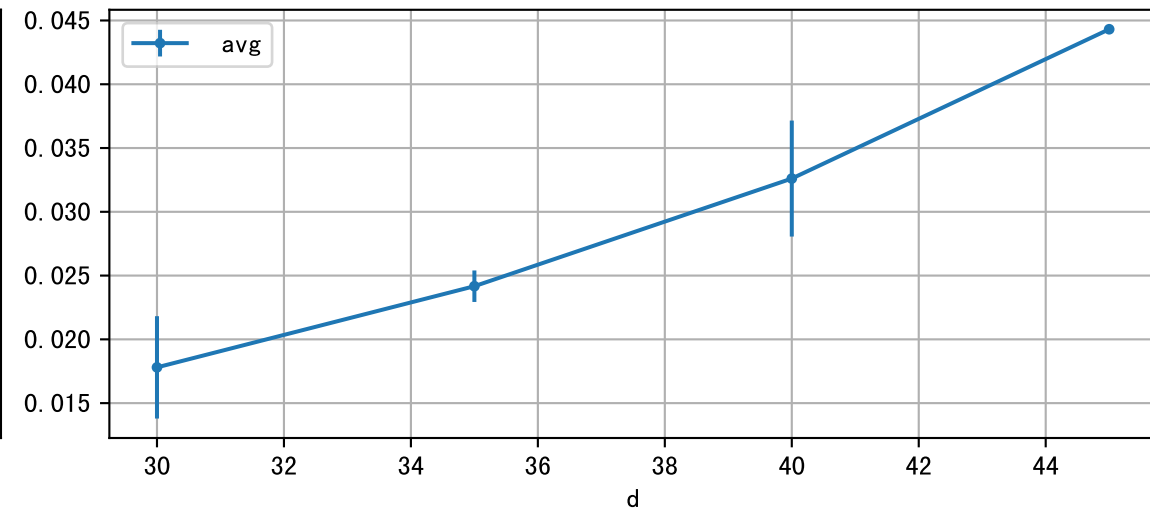
age=25



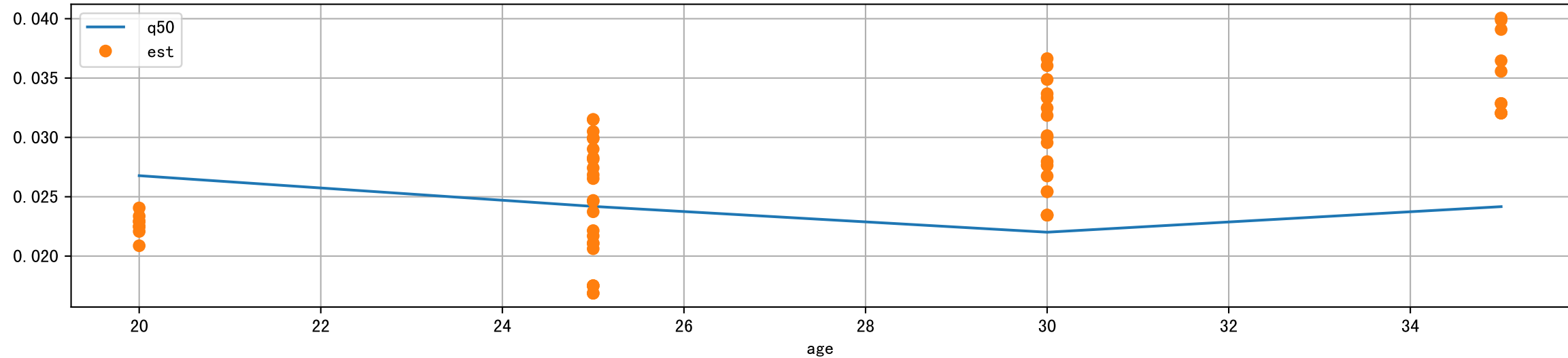
age=30



age=35

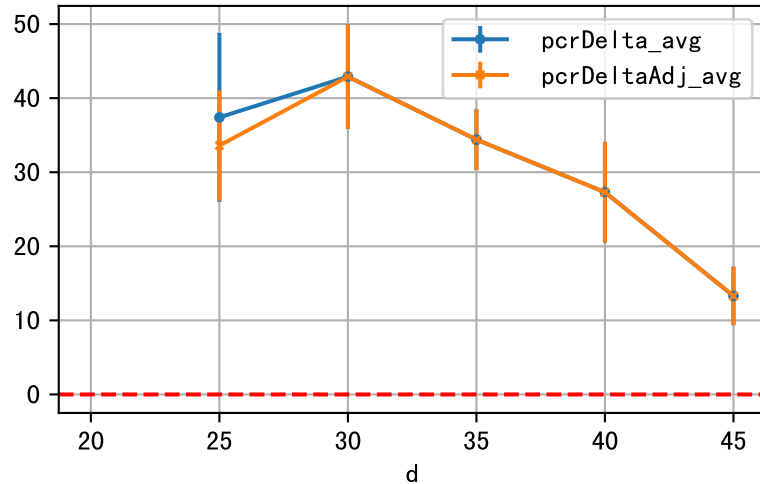


LfA: model est vs obs0v@Q50

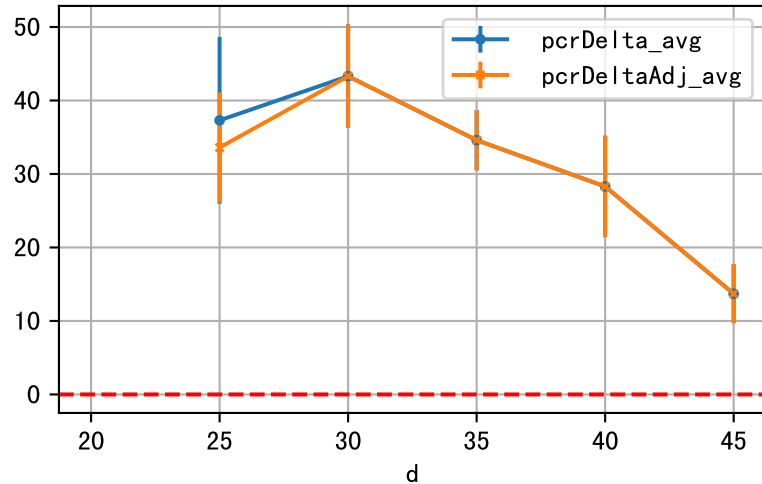


P10AW LfA: D_5d_LfA

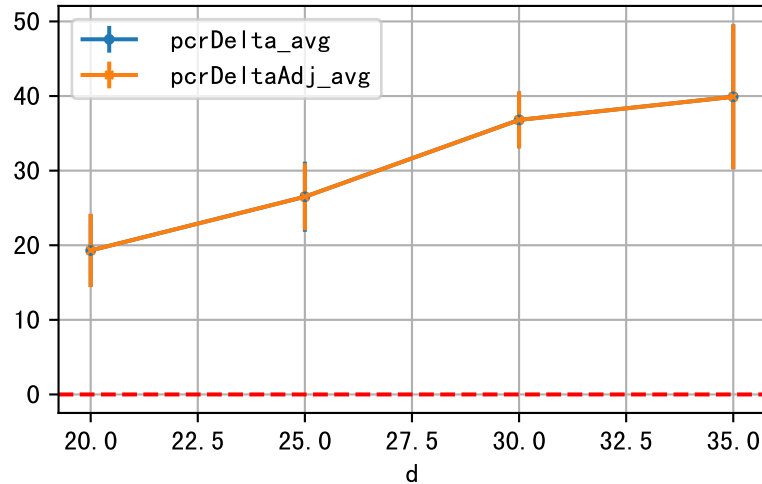
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

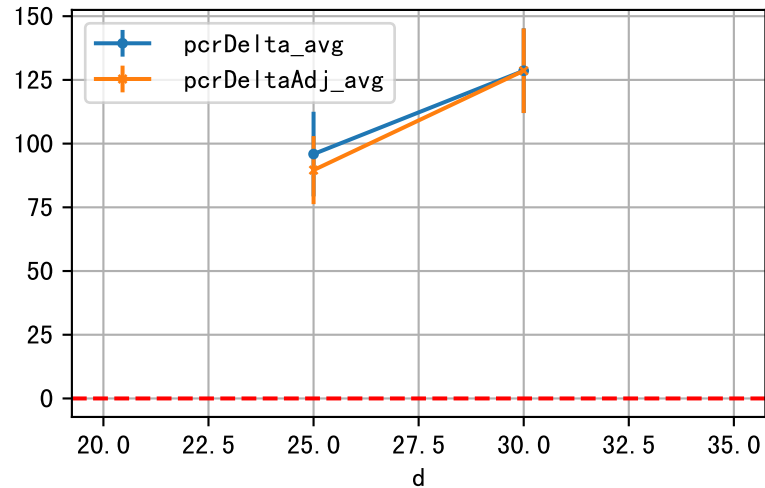


DeltaTypeAbbr=GrpByAge

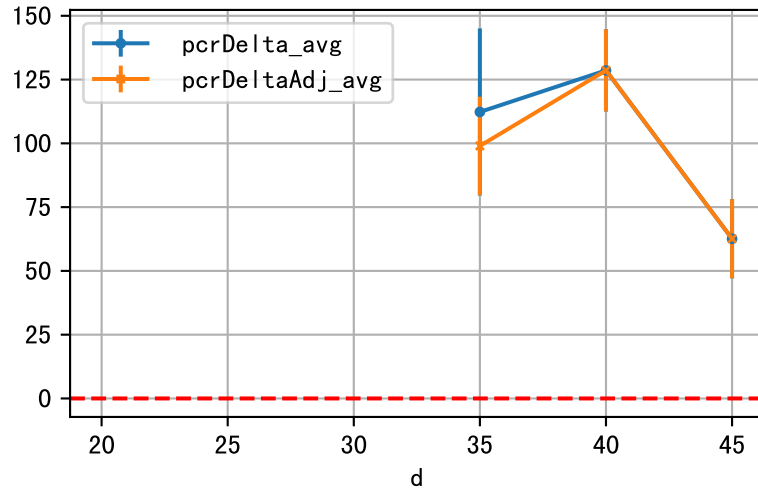


P10AW LfA: D_15d_LfA

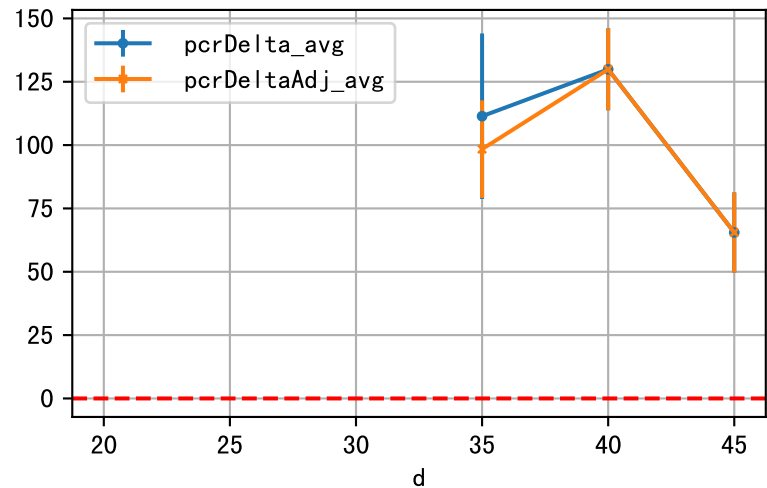
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

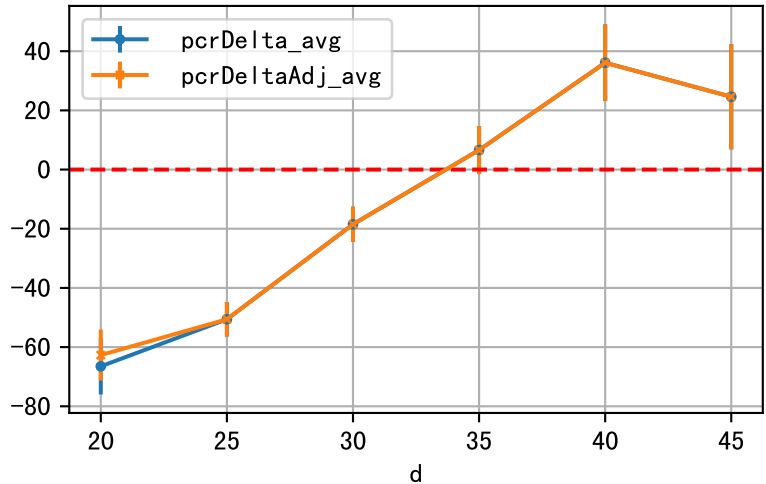
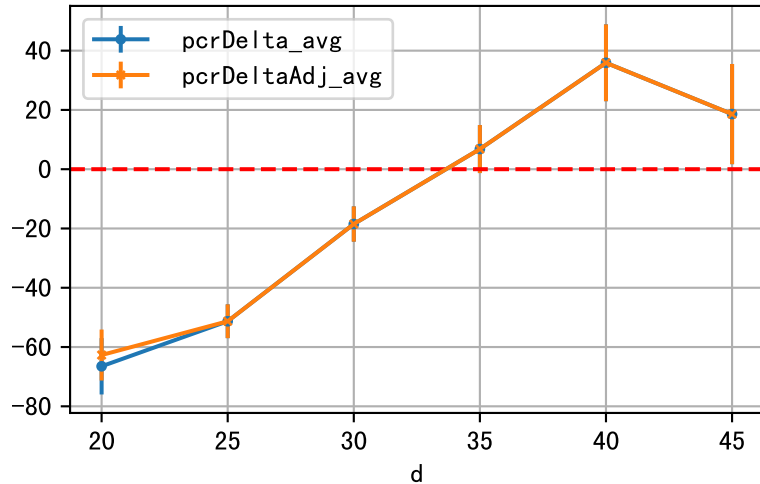
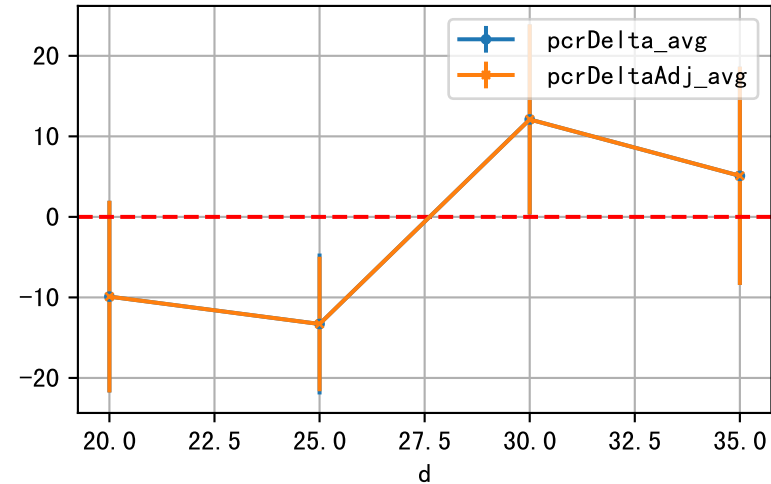


P10AW LfA: D_Q50_LfA

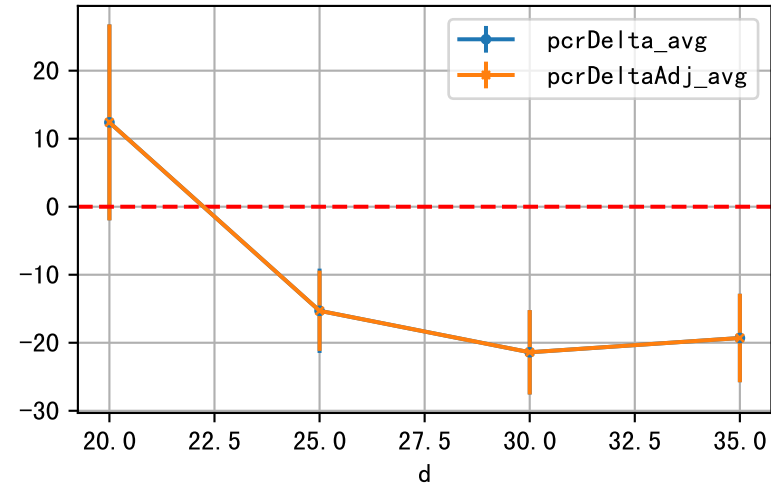
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

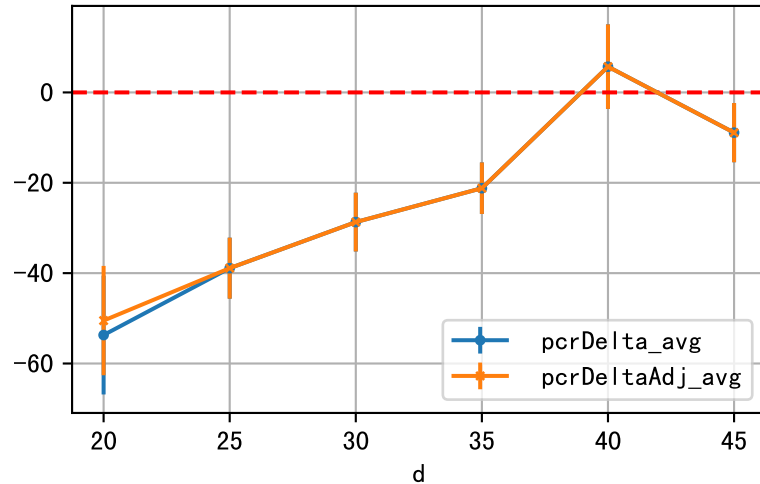


DeltaTypeAbbr=GrpByAge

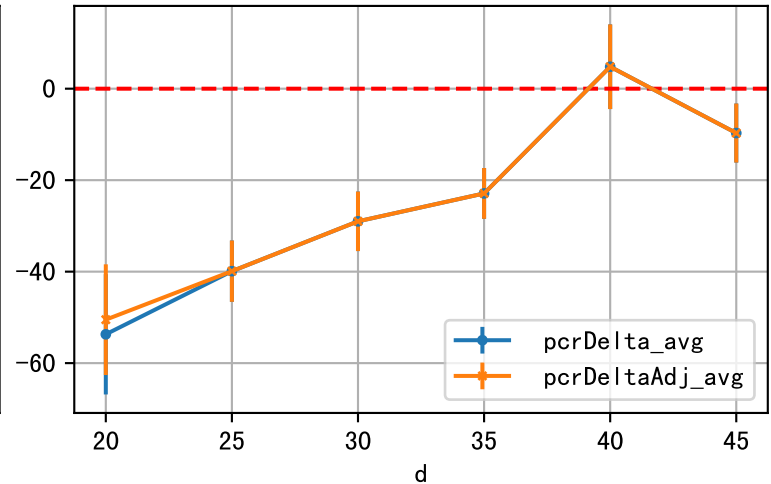


P10AW LfA: D_Est_LfA

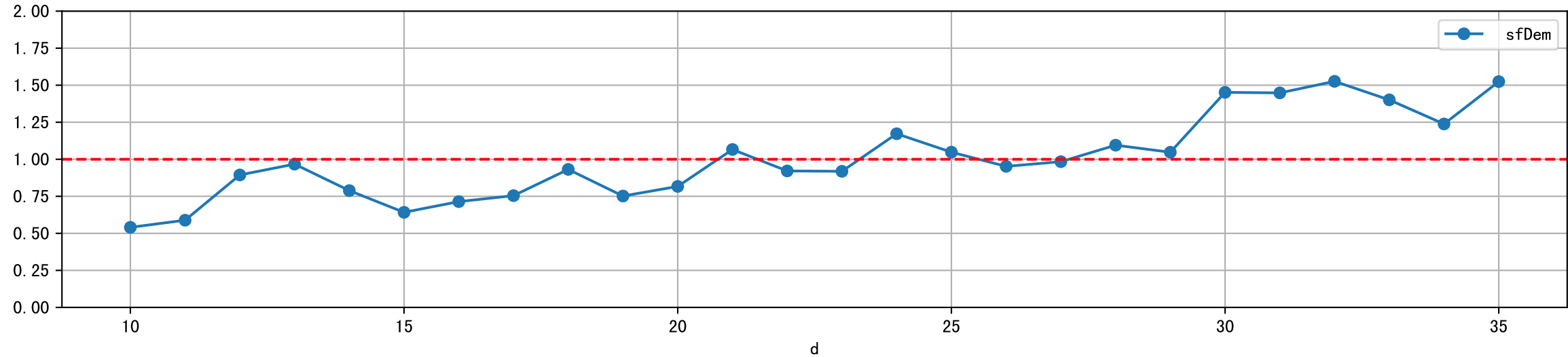
DeltaTypeAbbr=GrpByDay

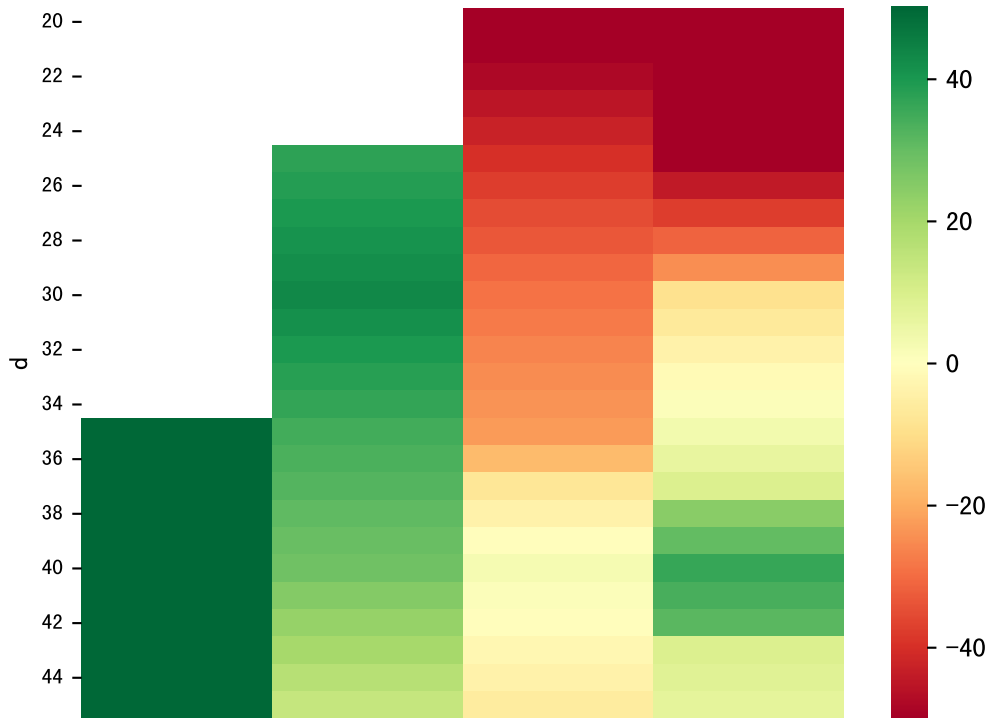


DeltaTypeAbbr=WeiAvgByD



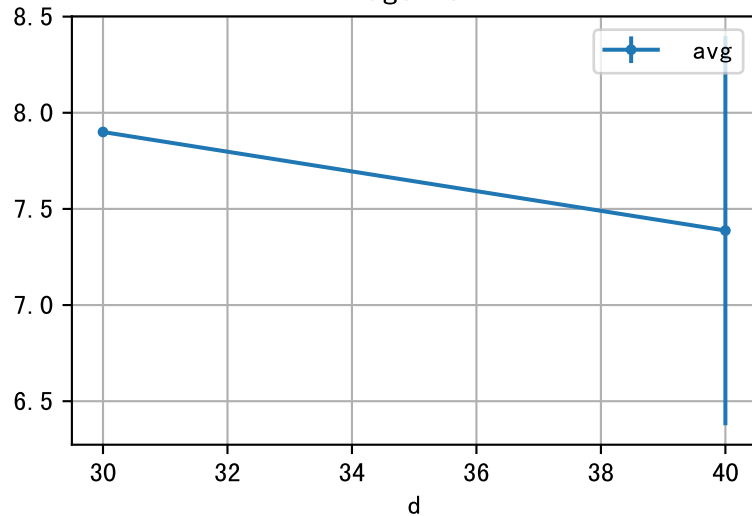
LfA: sfDem



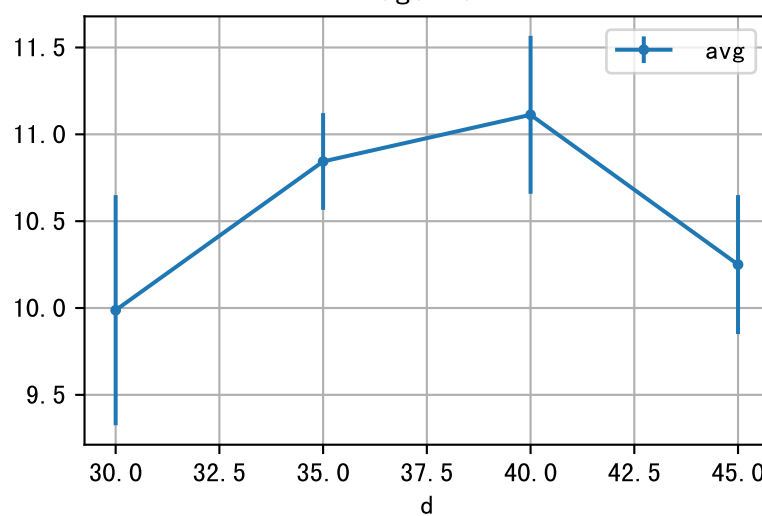


NdD: avg vs. d at each age group

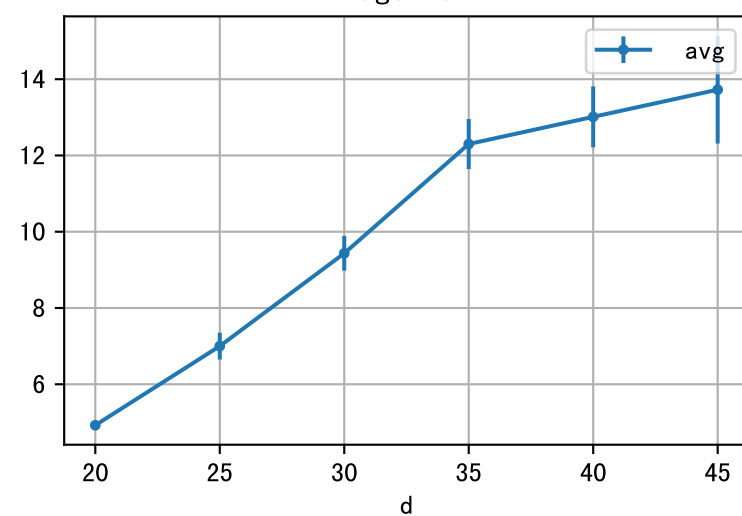
age=15



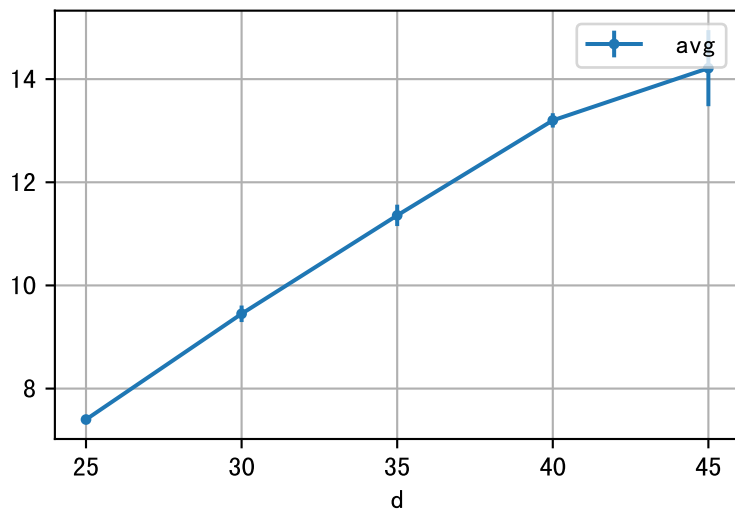
age=20



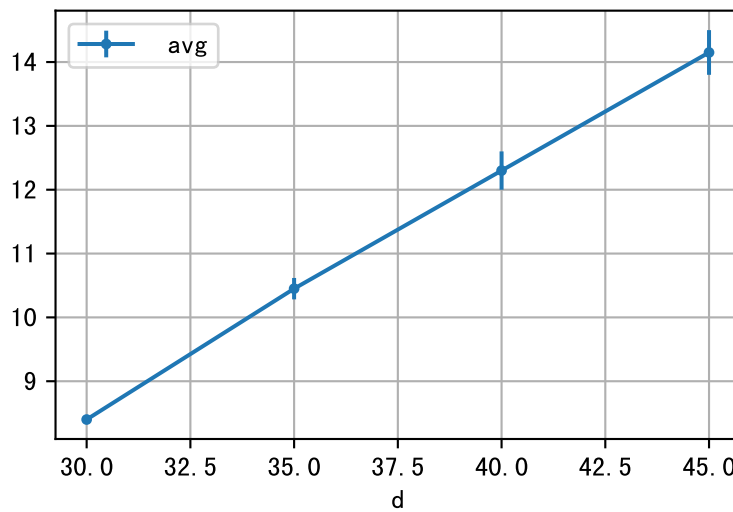
age=25



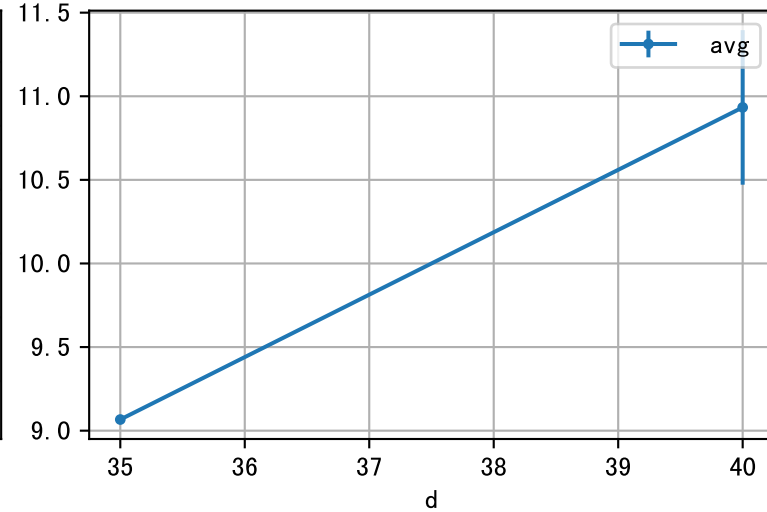
age=30



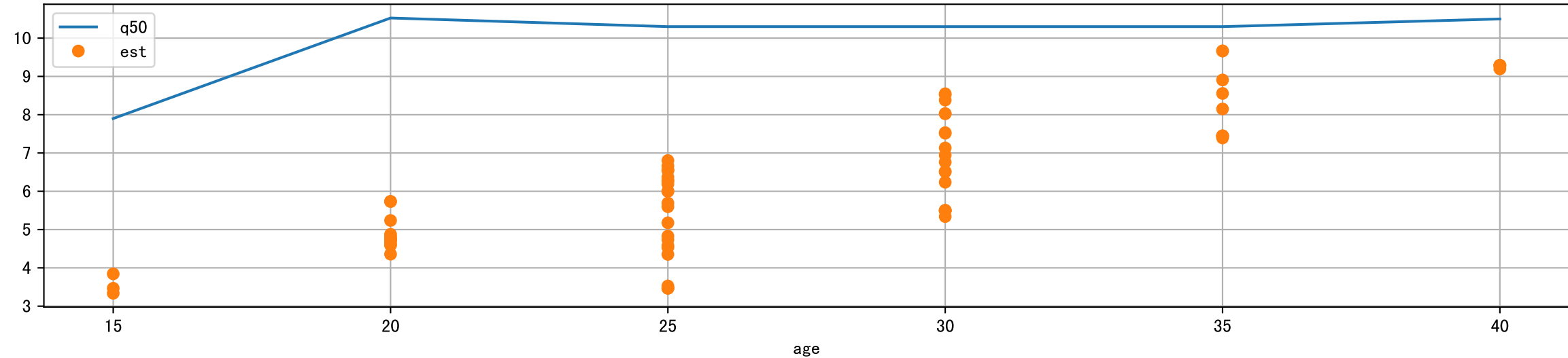
age=35



age=40

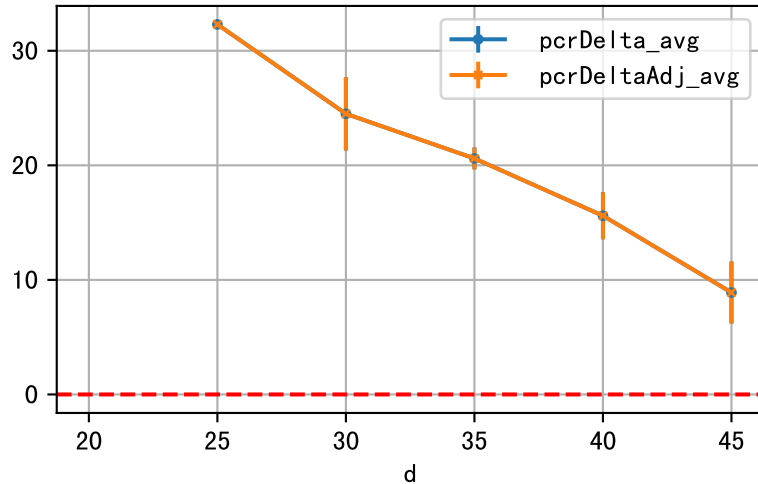


NdD: model est vs obs0v@Q50

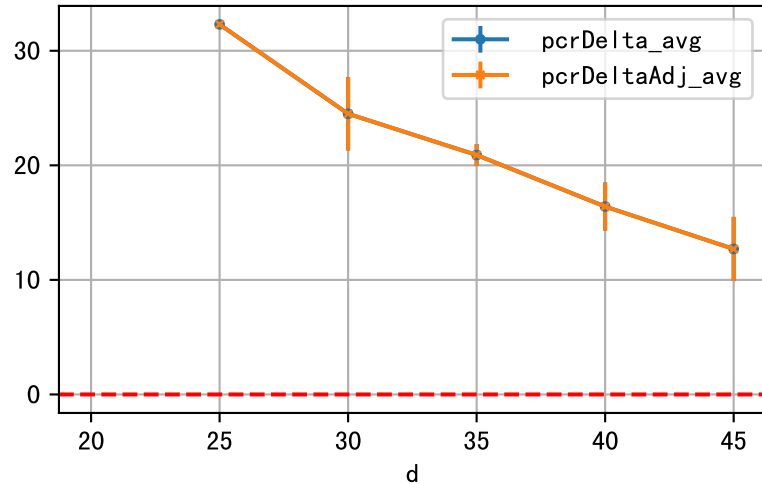


P10AW NdD: D_5d_NdD

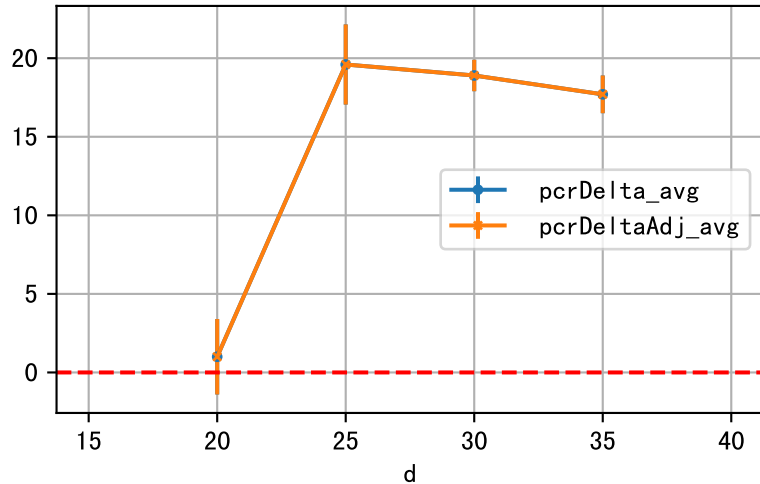
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

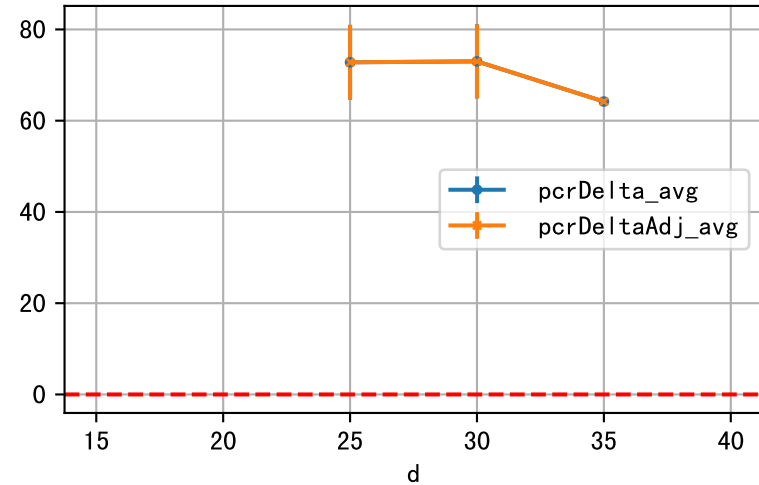


DeltaTypeAbbr=GrpByAge

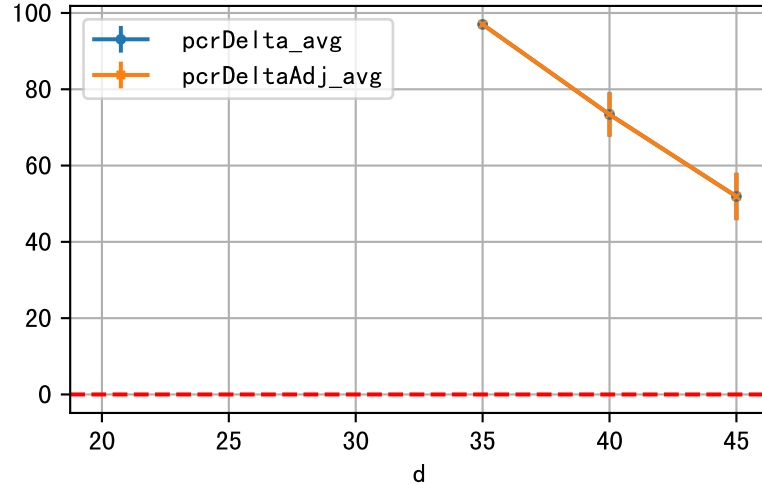


P10AW NdD: D_15d_NdD

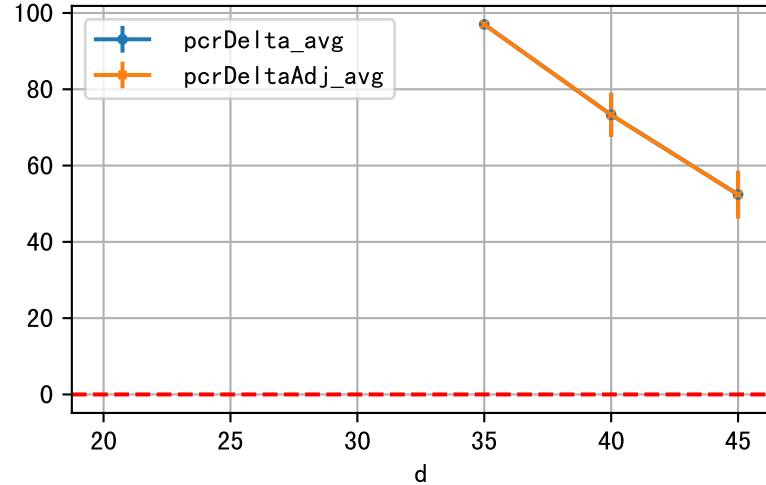
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

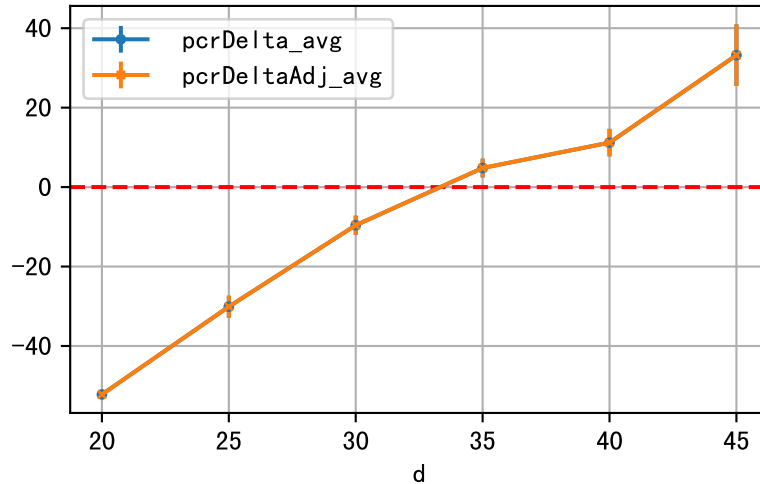
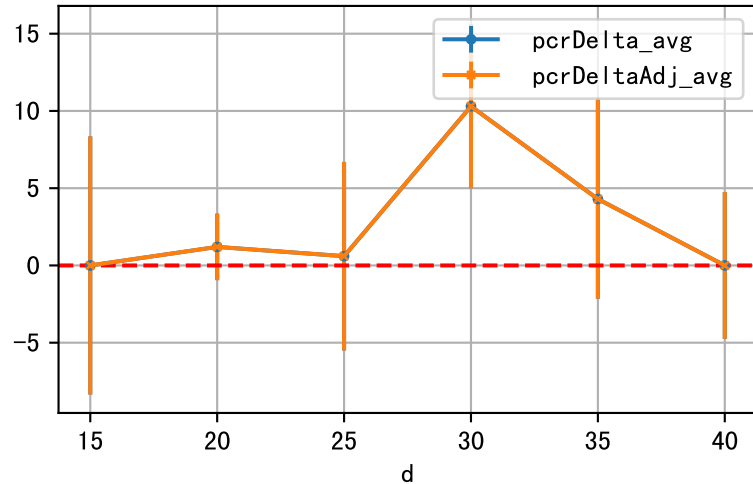


DeltaTypeAbbr=WeiAvgByD

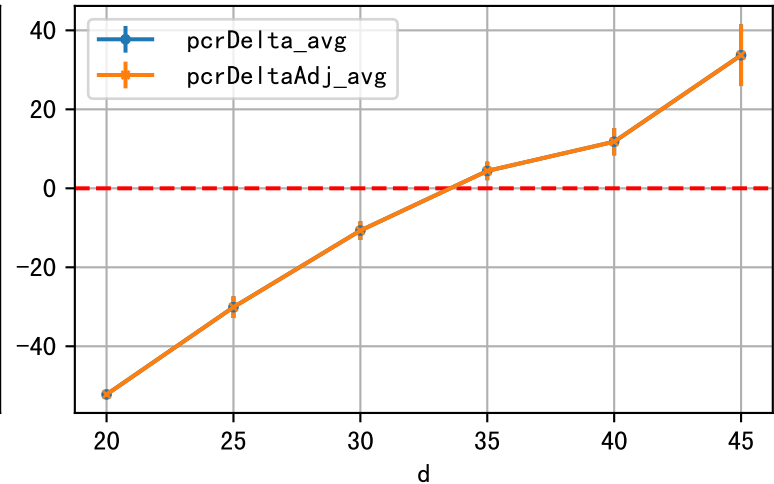


P10AW NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByDay

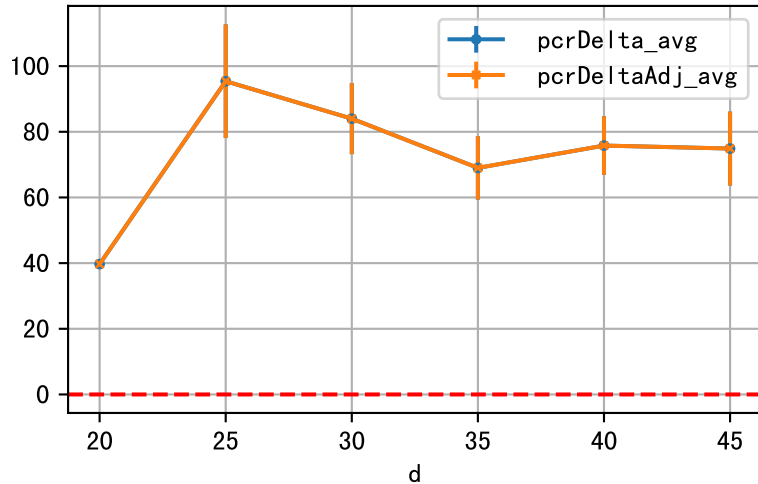


DeltaTypeAbbr=Wei AvgByD

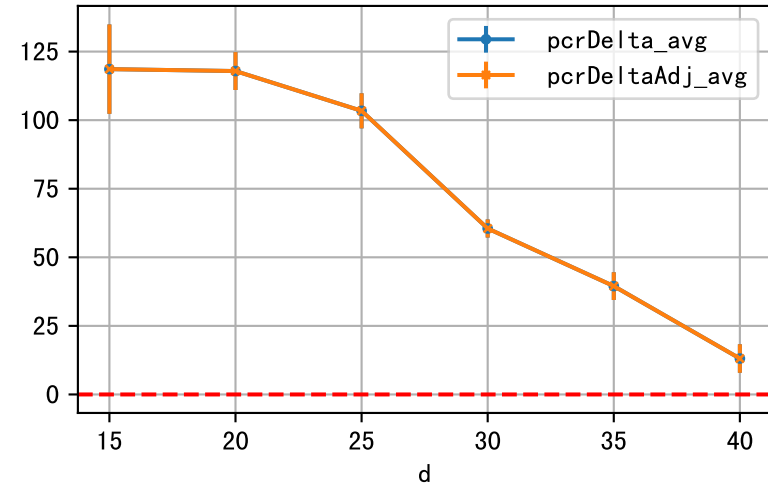


P10AW NdD: D_Est_NdD

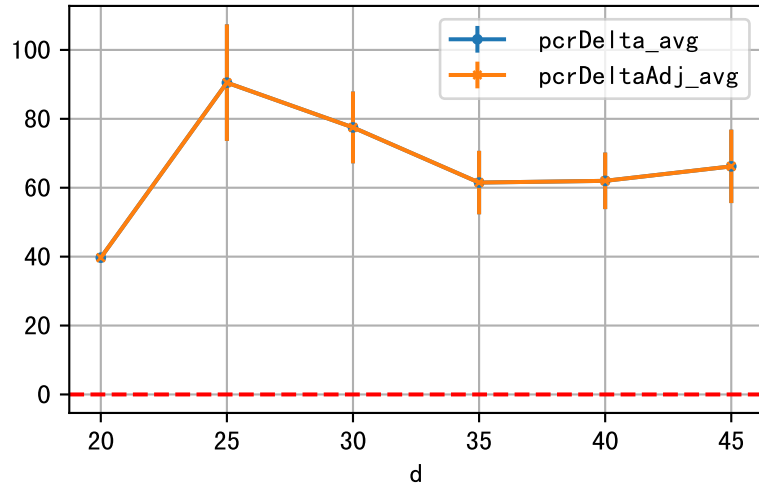
DeltaTypeAbbr=GrpByDay



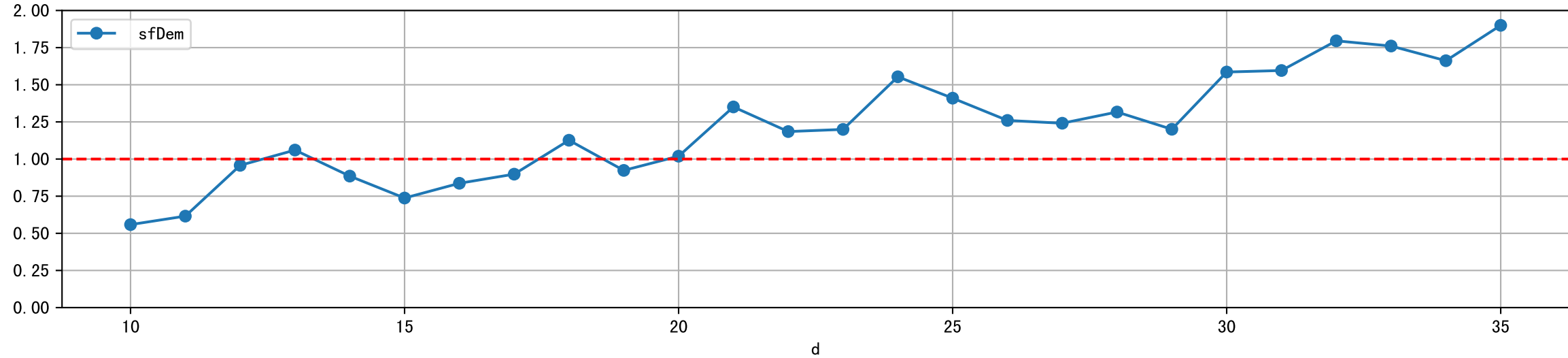
DeltaTypeAbbr=GrpByAge

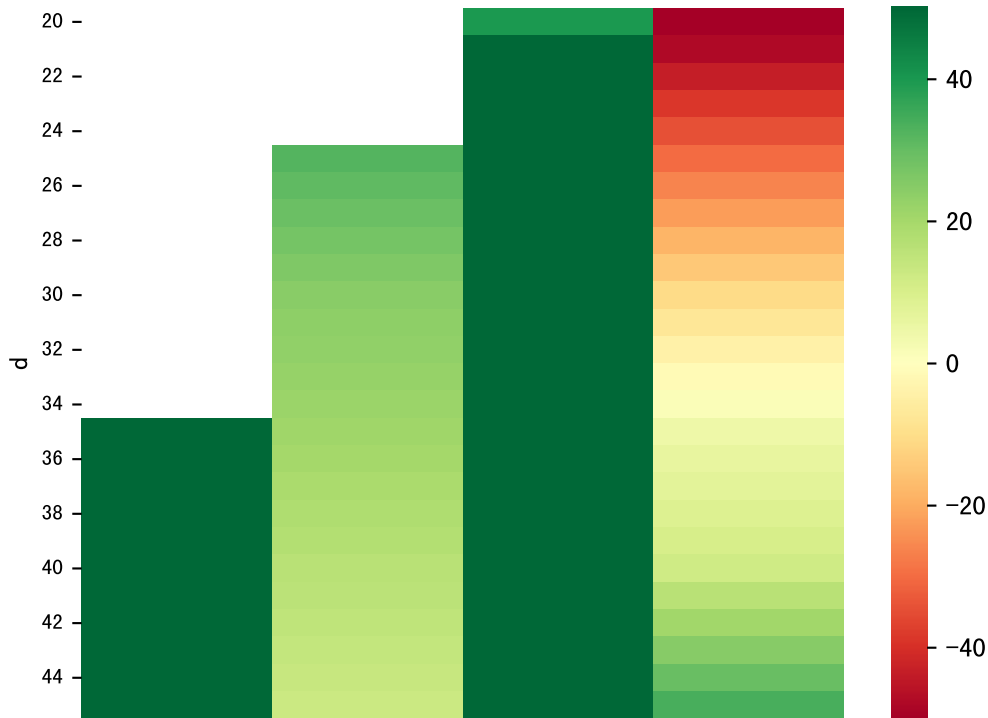


DeltaTypeAbbr=WeiAvgByD

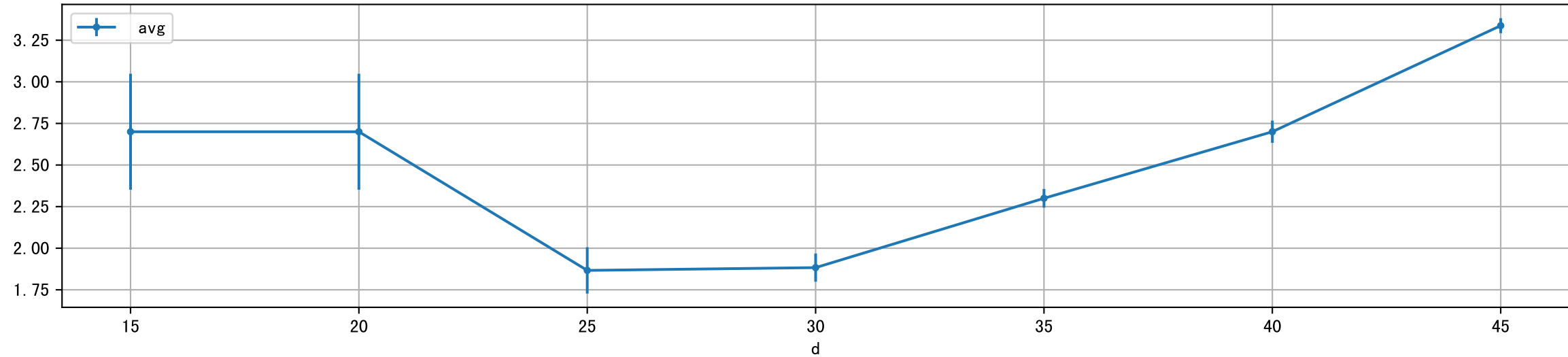


NdD: sfDem

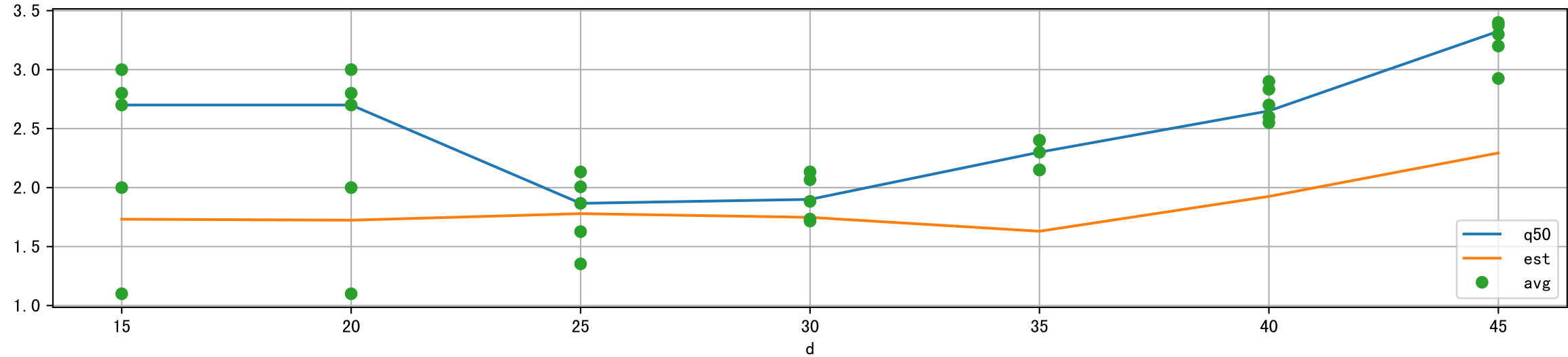




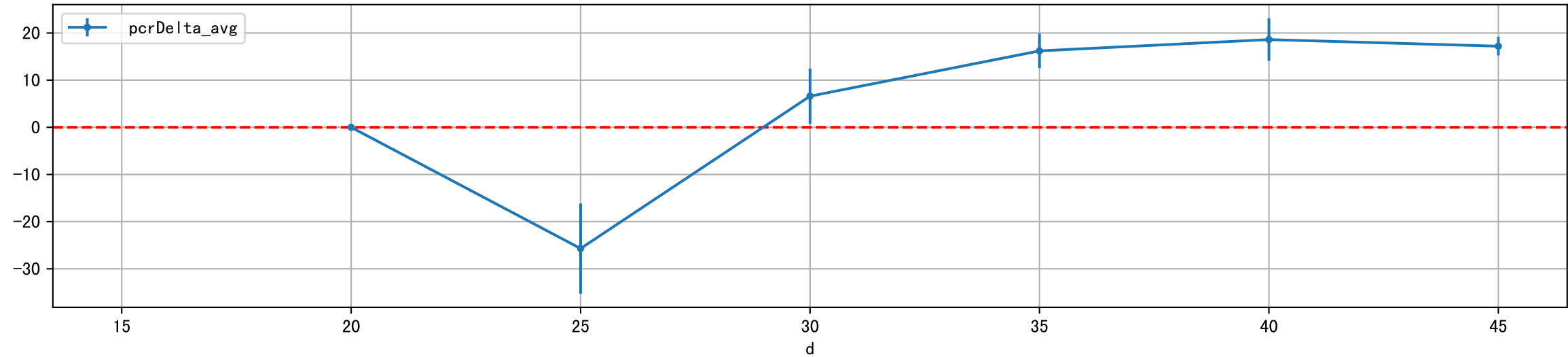
dStH: avg vs. d



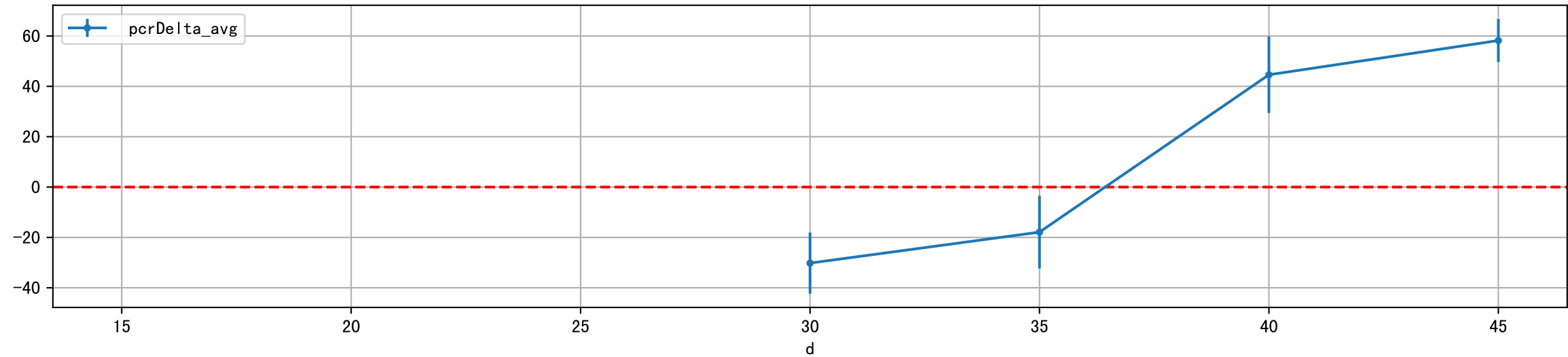
dStH: obsAvg vs obs0v@Q50



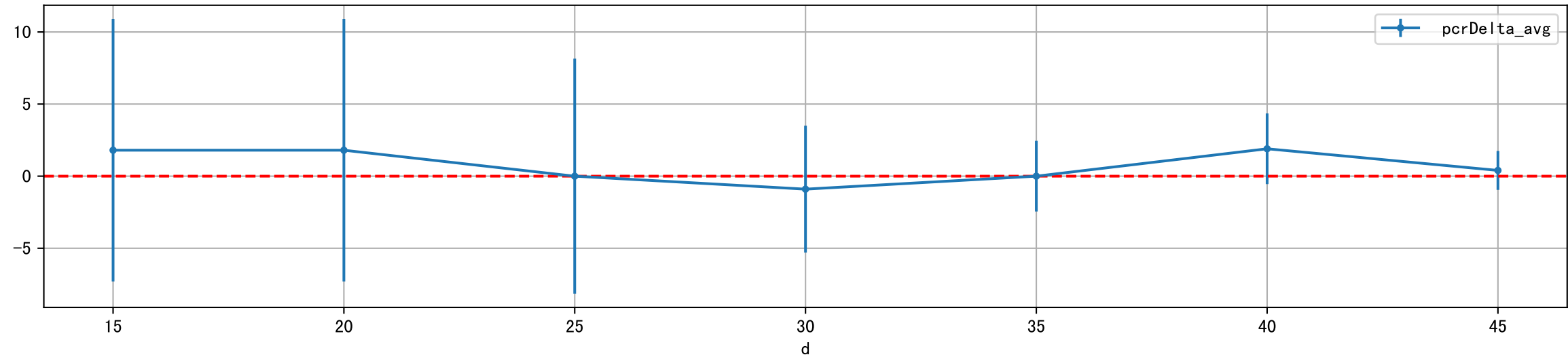
dStH: D_5d_StH



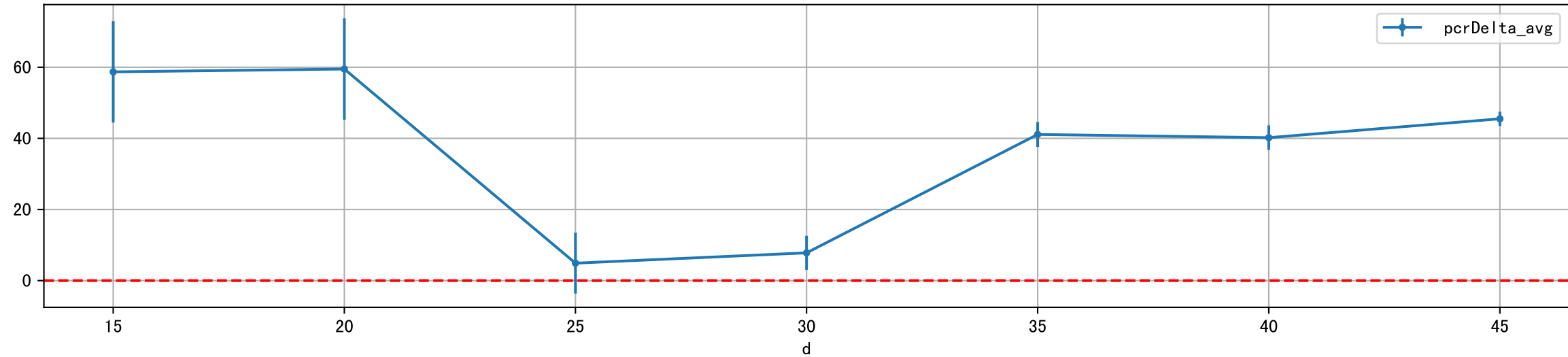
dStH: D_15d_StH



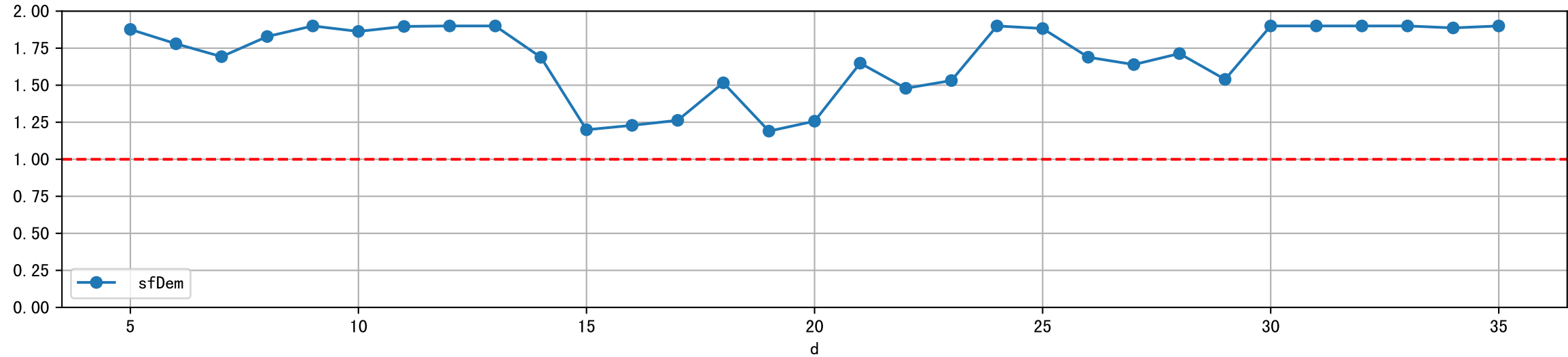
dStH: D_Q50_StH



dStH: D_Est_StH



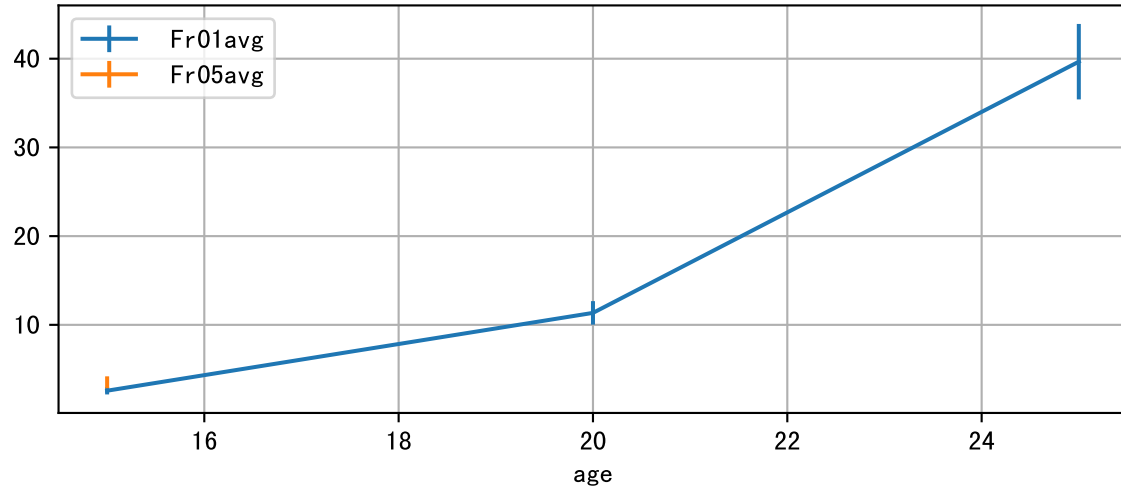
dStH: sfDem



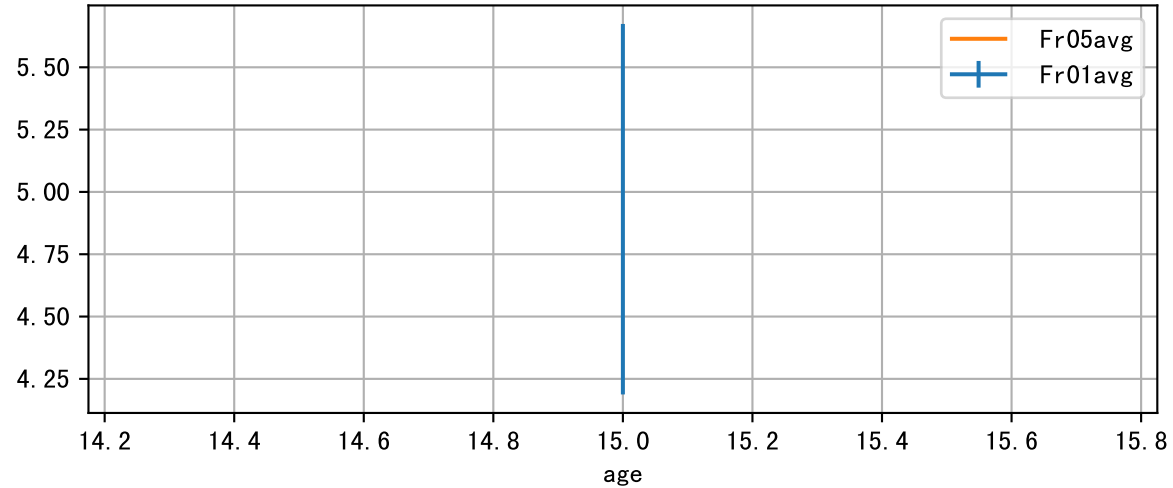


FrV: Fr01 vs Fr05 at each truss

organID=T01



organID=T02

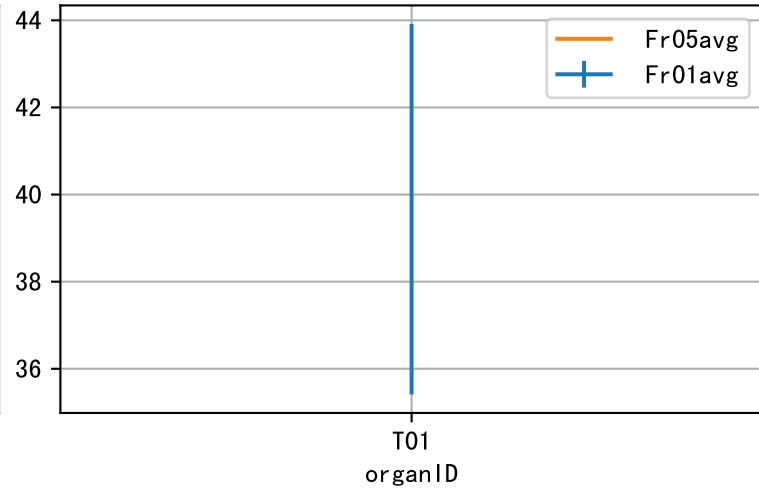
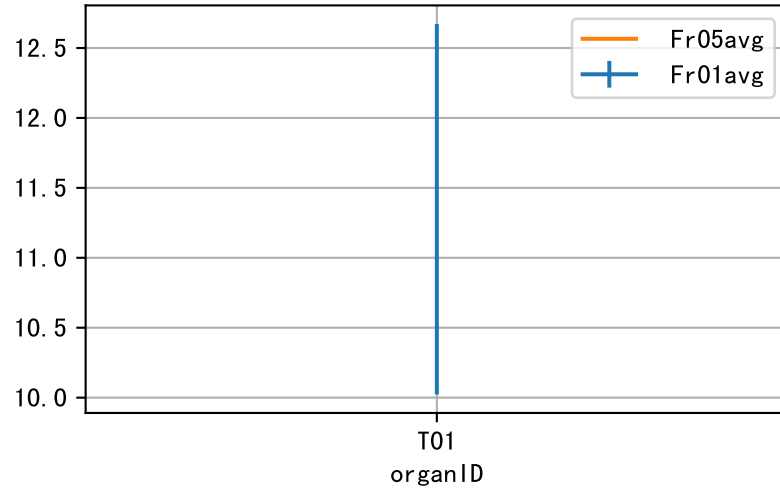
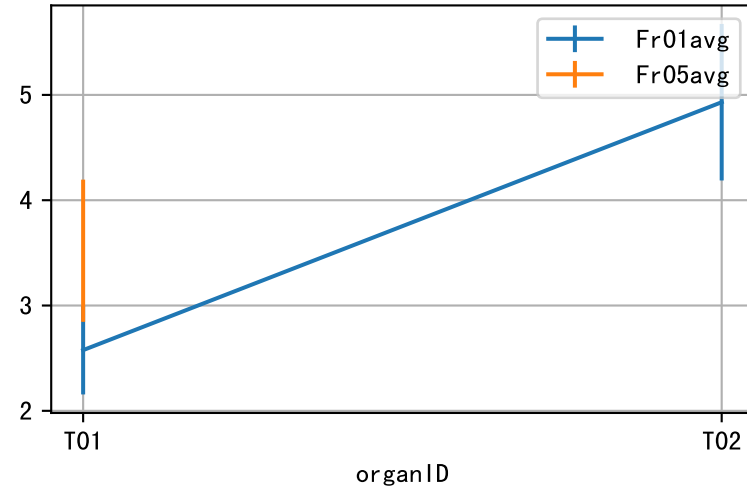


FrV trend at each age

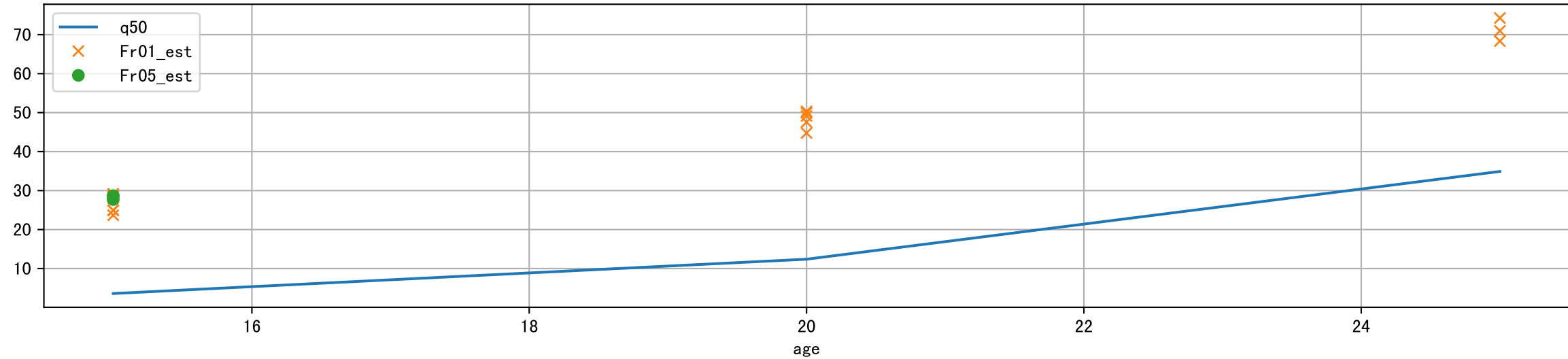
age=15

age=20

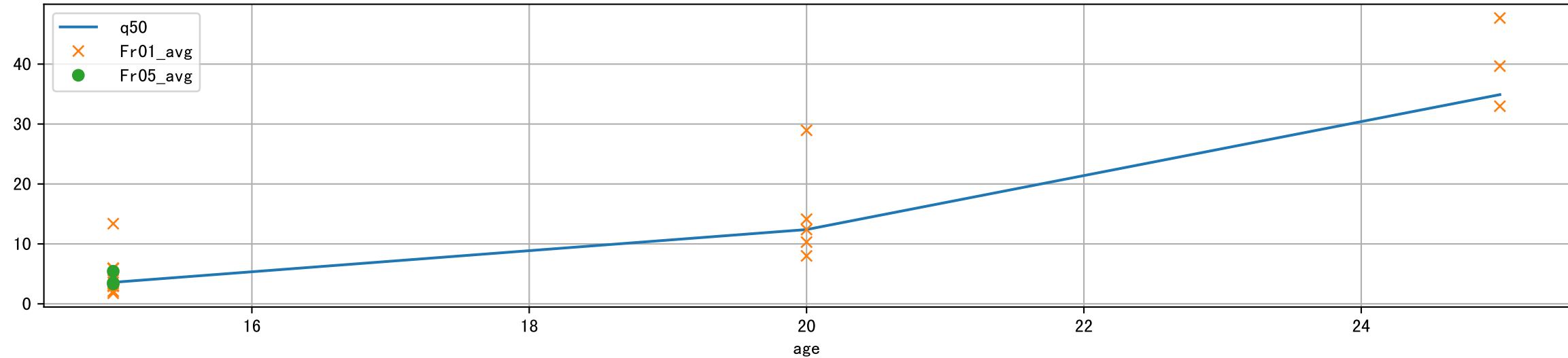
age=25



FrV: model Est vs obsFrV at Q90

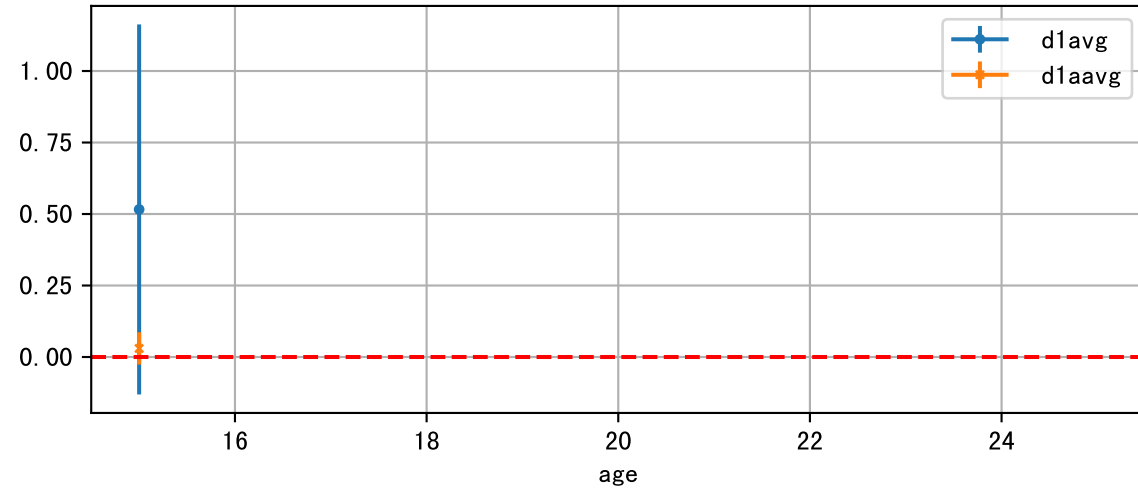


FrV: obsFrV vs obsFrV@Q90

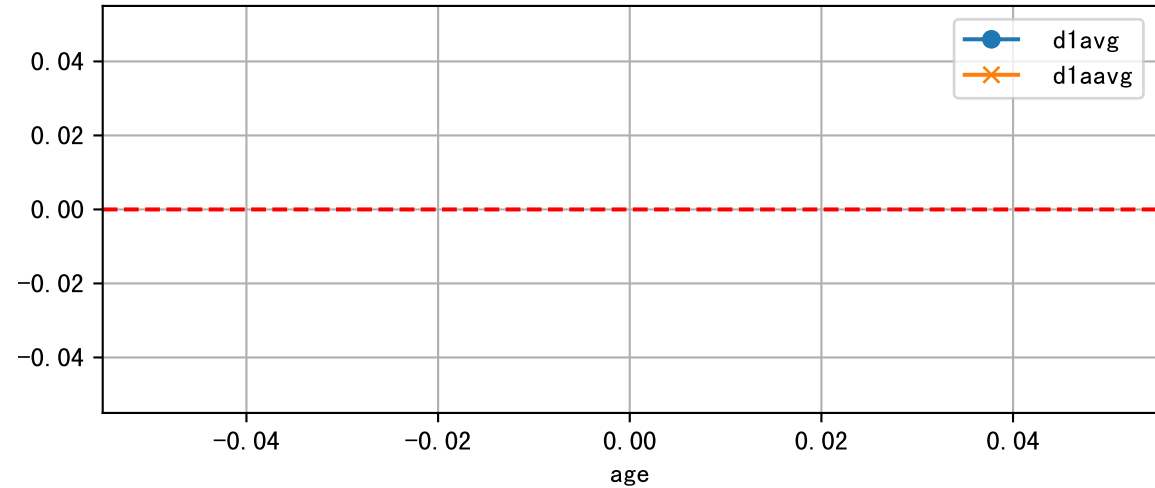


FrV: D_Fr1_FrV

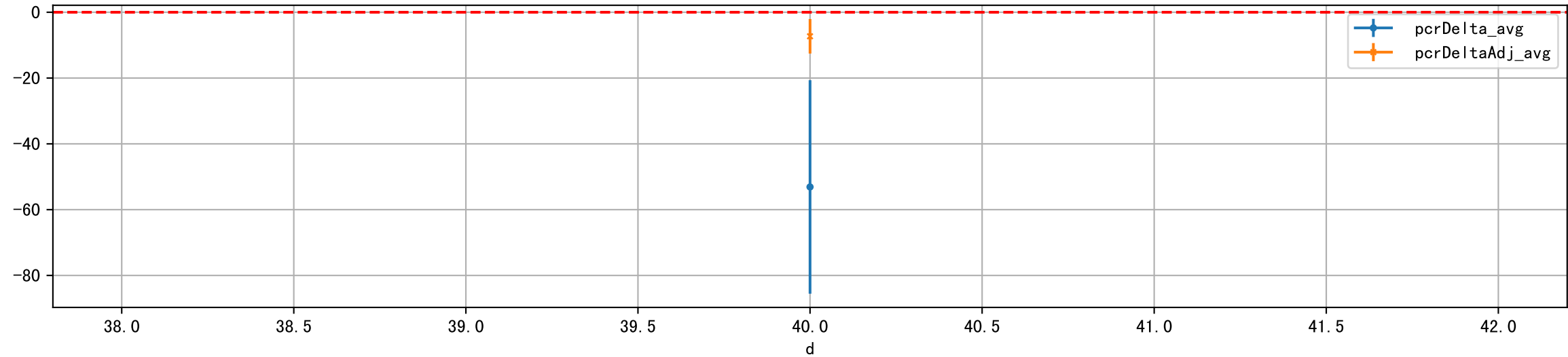
organID=1



organID=2

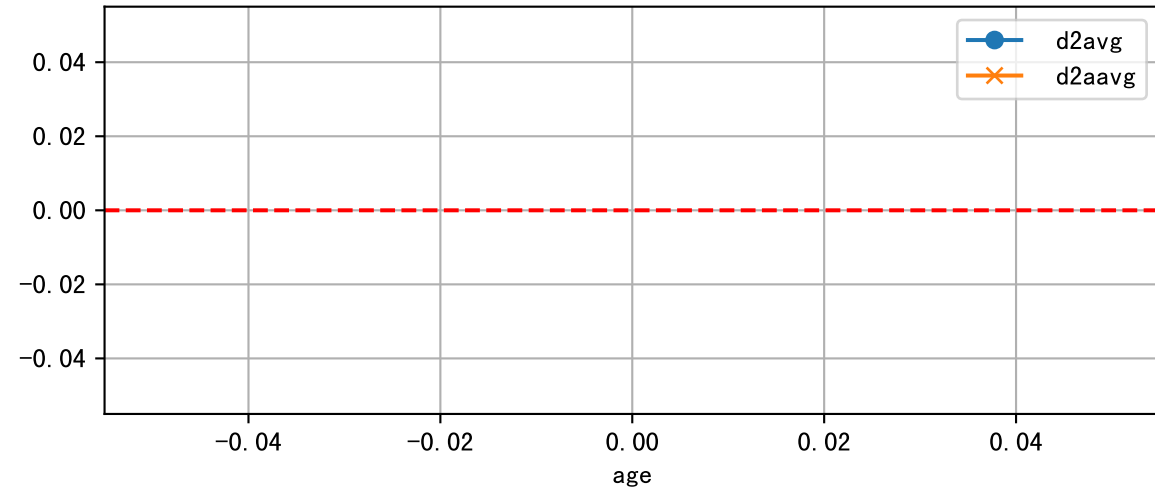


P10AW FrV: D_Fr1_FrV

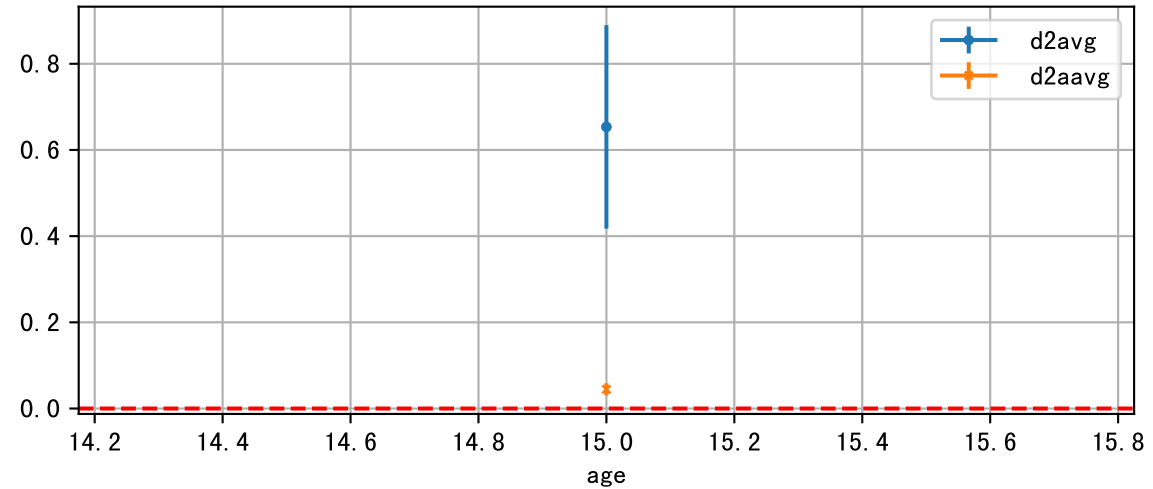


FrV: D_Ts_FrV

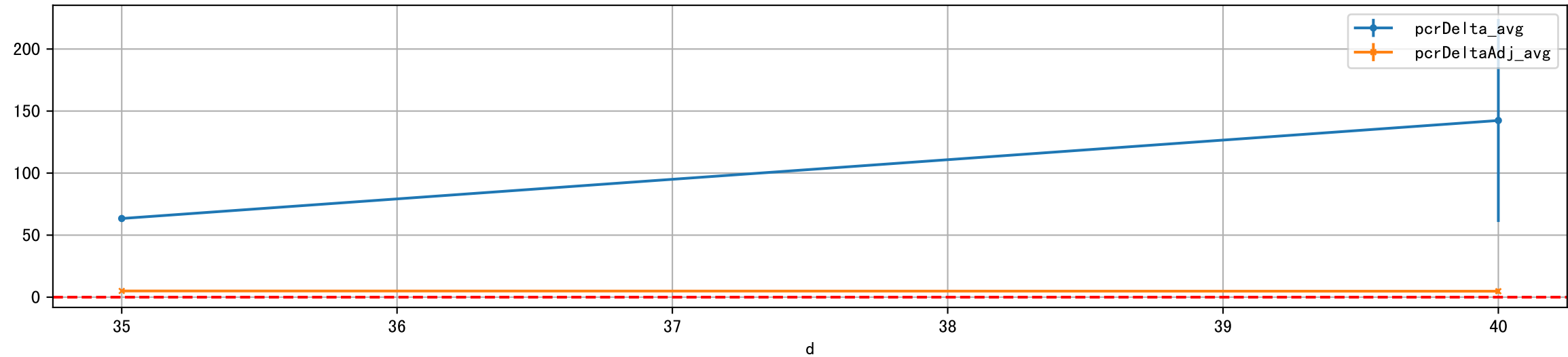
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organID=2

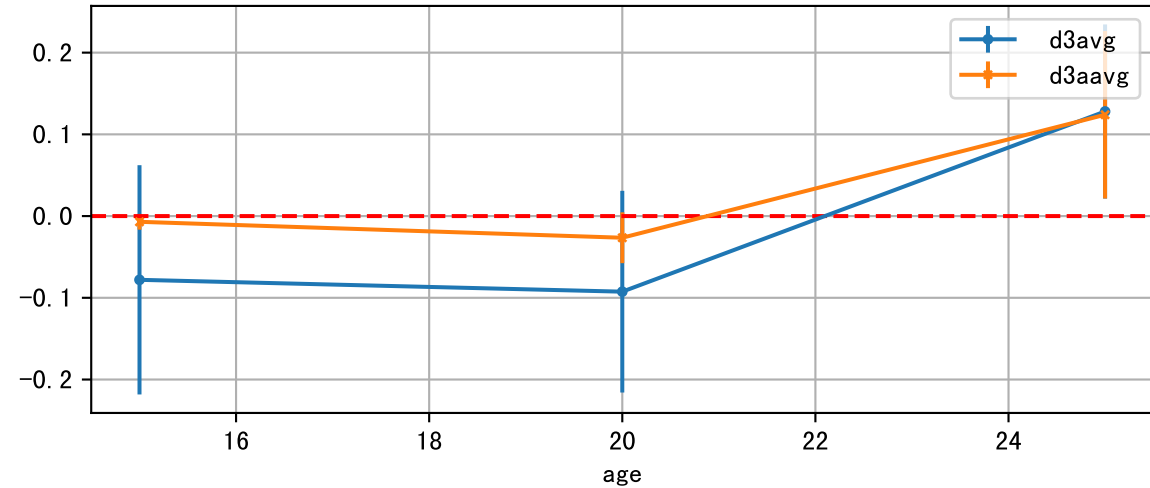


P10AW FrV: D_Ts_FrV

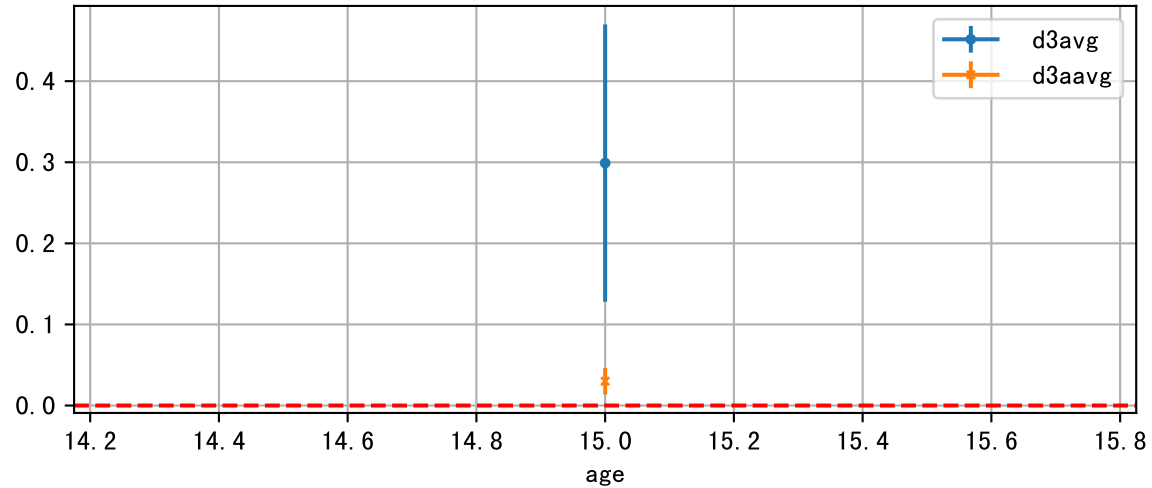


FrV: D_Q50_FrV

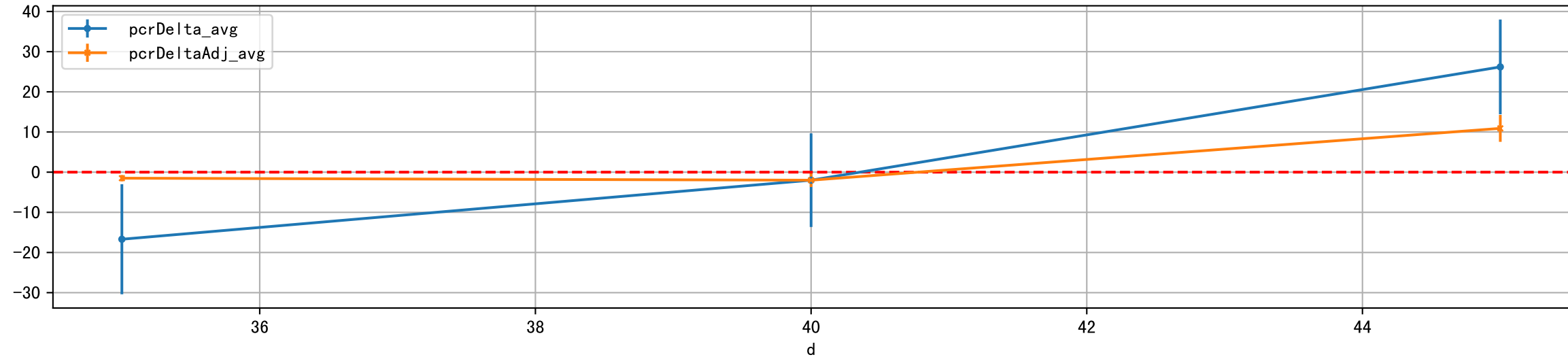
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organID=2

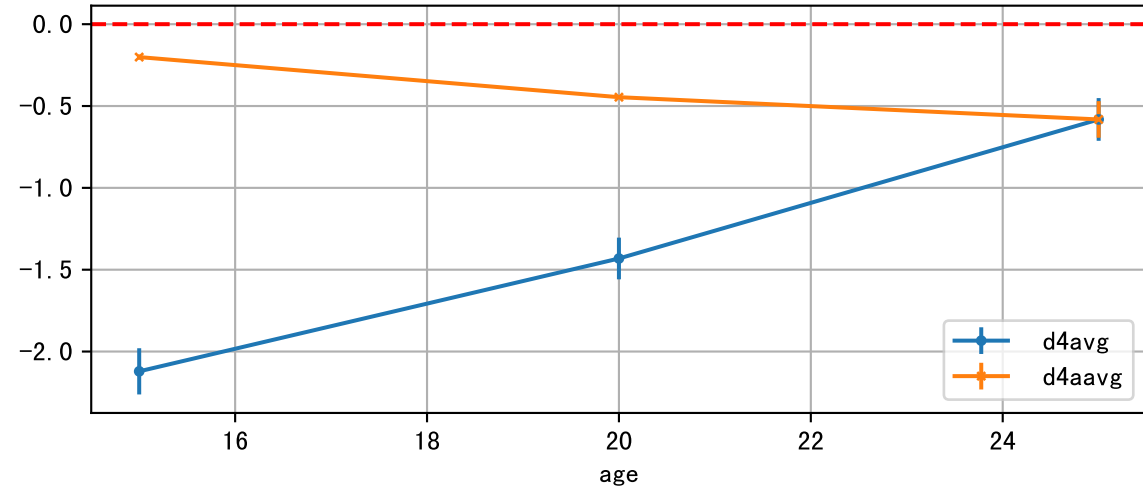


P10AW FrV: D_Q50_FrV



FrV: D_Est_FrV

organID=1



organID=2

