

Phenotype Data Analysis Plots

PhenoData day range = 10 – 50

Analysis cutoff day = 50

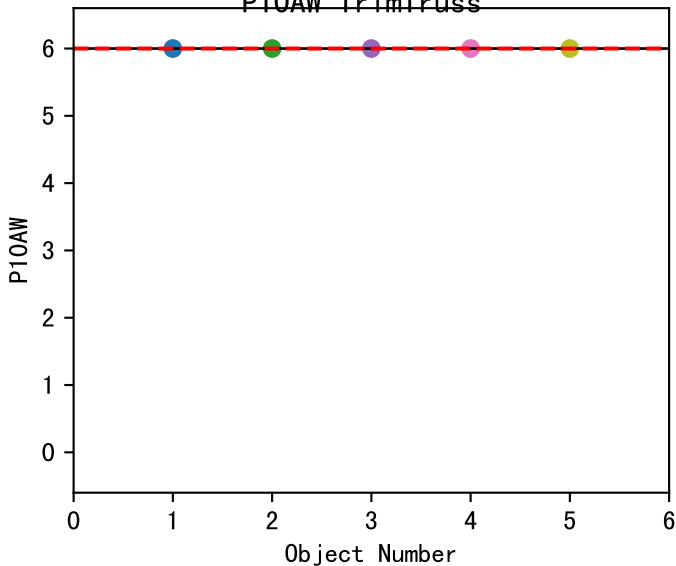
NC11 P10

2025-05-20 (Day 50)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

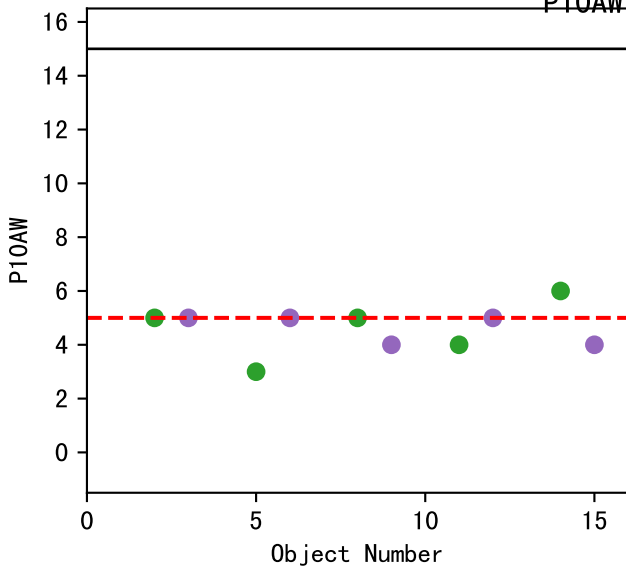
P10AW TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

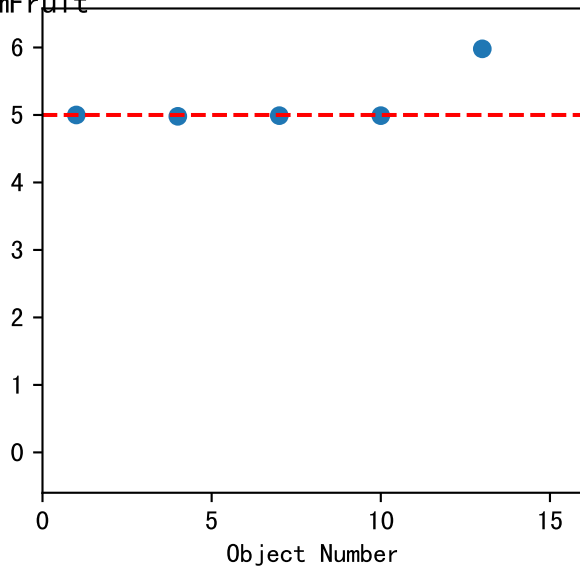
avg1=5.0~17% avg2=na

P10AW TrimFruit

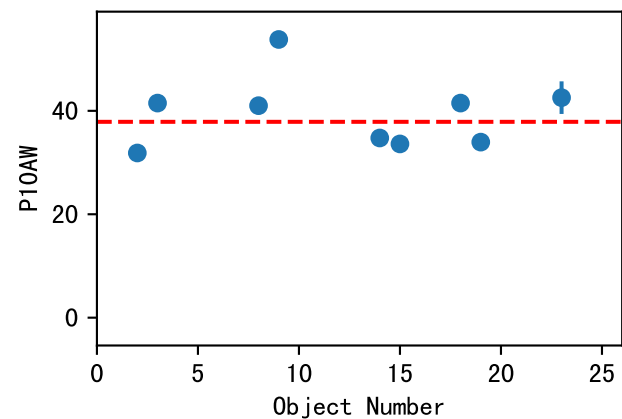


FruitNumMaxPerTruss (Def=na Set=5)

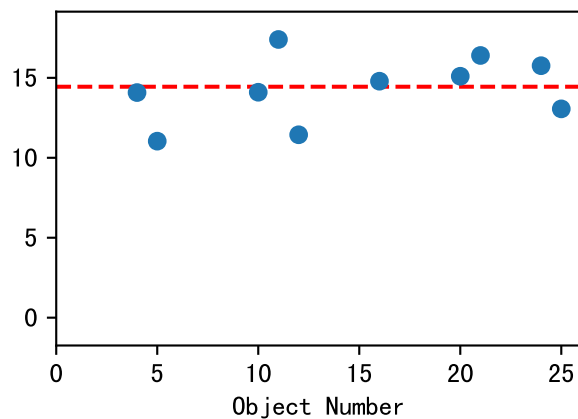
avg1=5.0~0% avg2=na



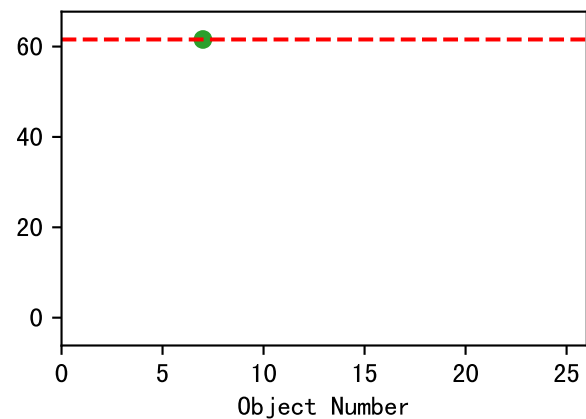
LfW_avgAbsY (Def=na Set=37.88)
avg1=37.88~12% avg2=na



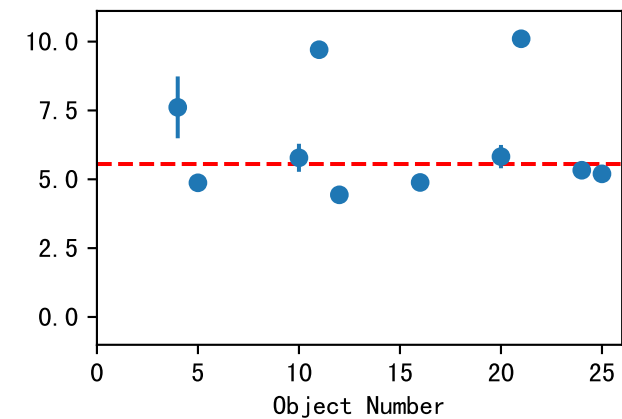
NdD_avgAbsY (Def=na Set=14.45)
avg1=14.45~14% avg2=na



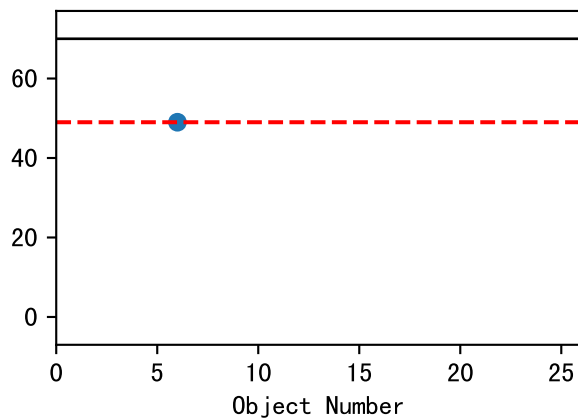
FrV_avgAbsY (Def=na Set=na)
avg1=61.57 avg2=na



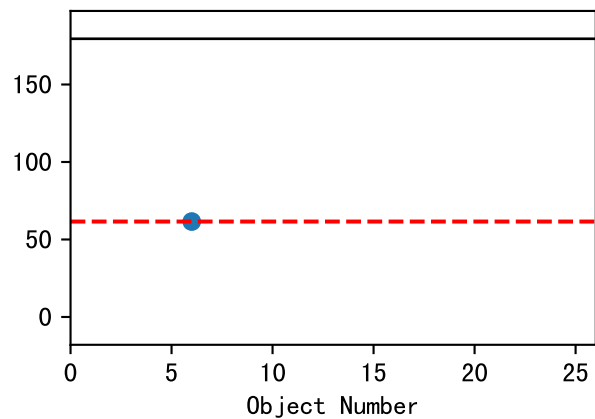
NdL_avgAbsY (Def=na Set=5.55)
avg1=5.55~37% avg2=na



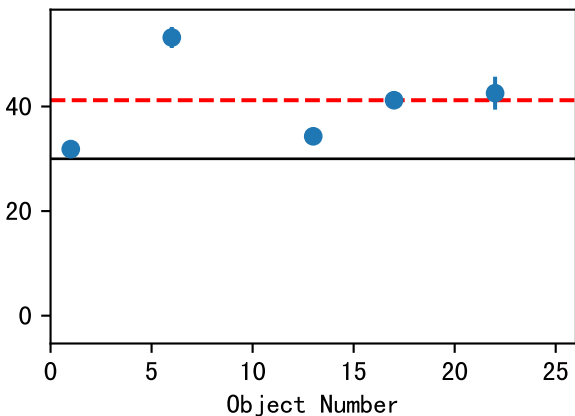
FrD_Q90AbsY (Def=70 Set=70)
avg1=49.0 avg2=na



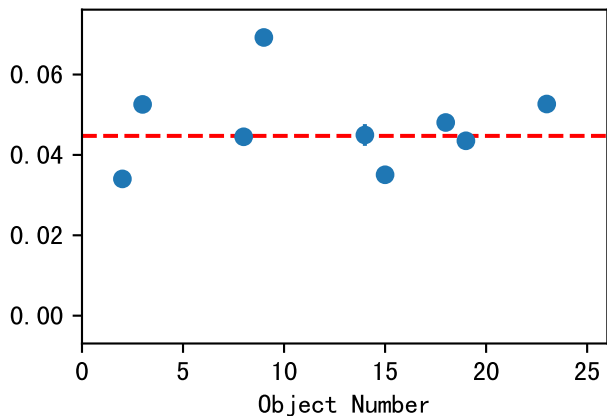
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=61.57 avg2=na



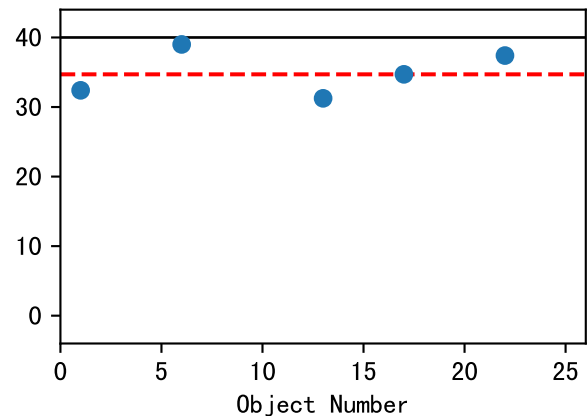
LfW_Q90AbsY (Def=30 Set=41.2)
avg1=41.2~20% avg2=na



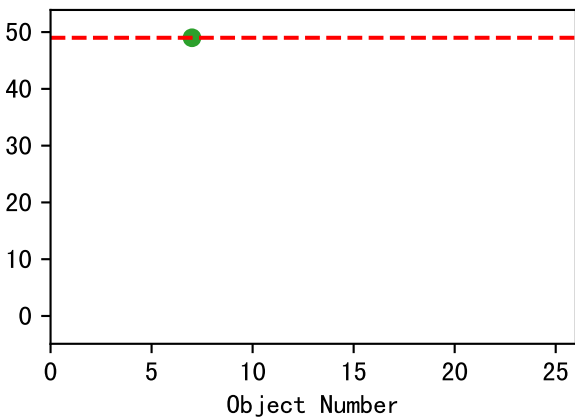
LfA_avgAbsY (Def=na Set=0.04)
avg1=0.04~16% avg2=na



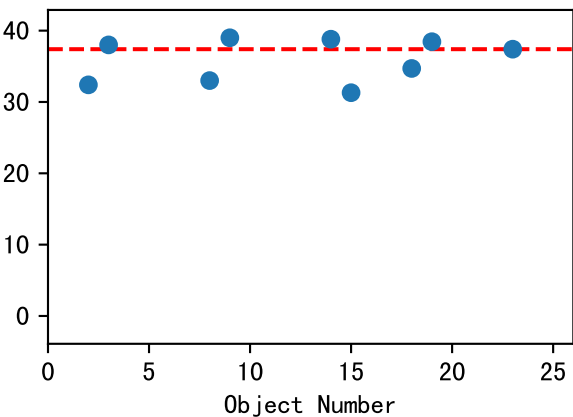
LfL_Q90AbsY (Def=40 Set=34.7)
avg1=34.7~9% avg2=na



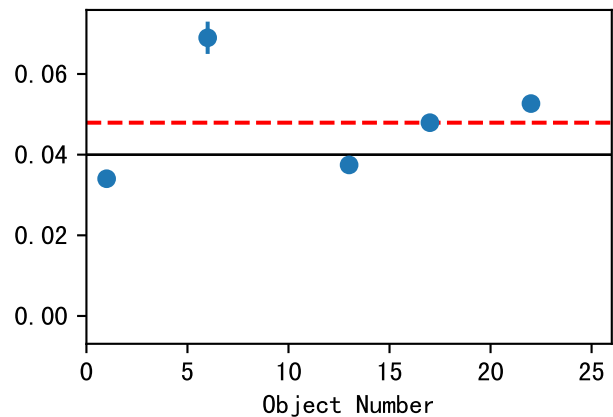
FrD_avgAbsY (Def=na Set=na)
avg1=49.0 avg2=na



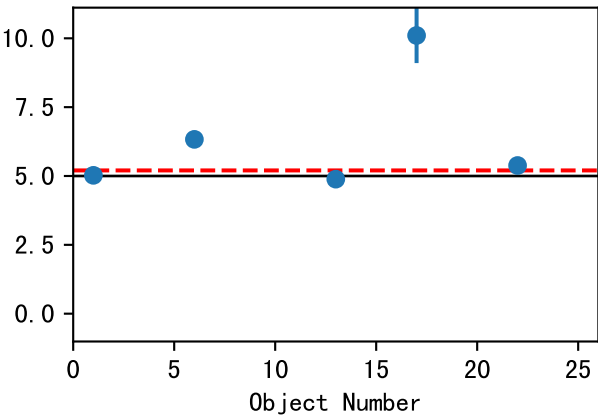
LfL_avgAbsY (Def=na Set=37.4)
avg1=37.4~8% avg2=na



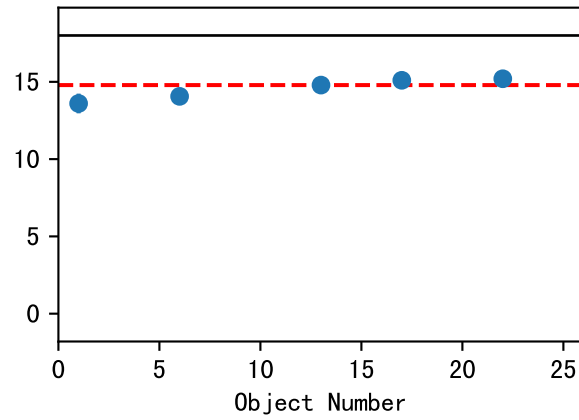
LfA_Q90AbsY (Def=0.04 Set=0.05)
avg1=0.05~29% avg2=na



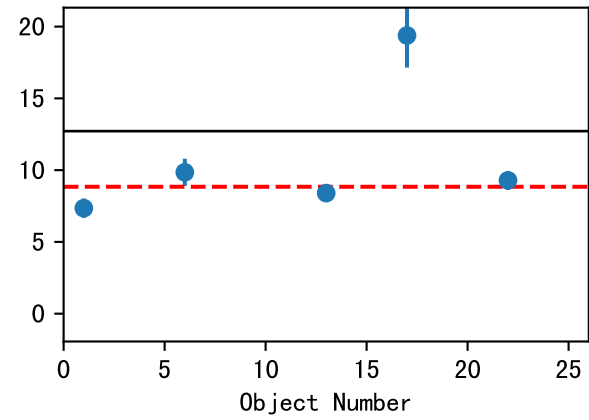
NdL_Q90AbsY (Def=5 Set=5. 2)
avg1=5. 2~13% avg2=na



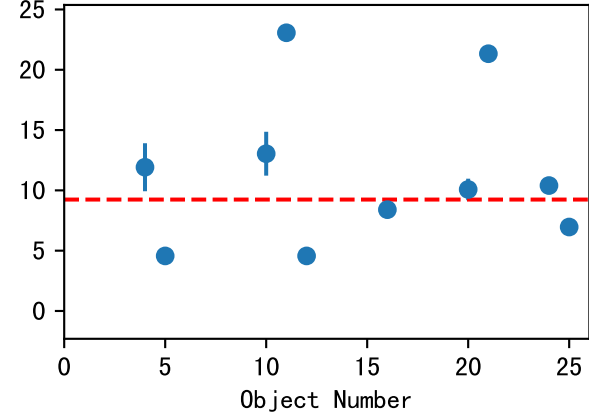
NdD_Q90AbsY (Def=18 Set=14. 79)
avg1=14. 79~5% avg2=na



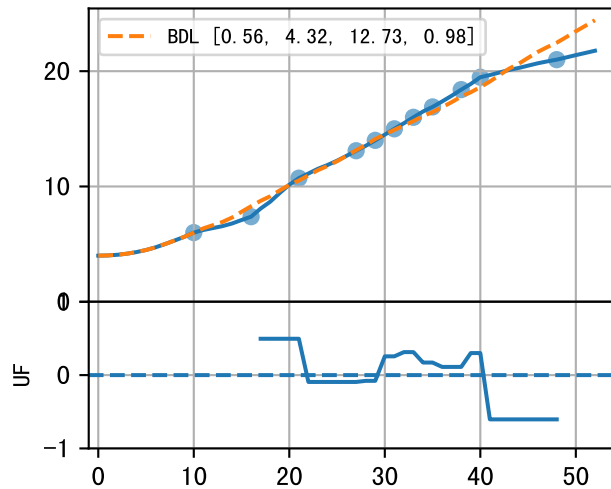
NdV_Q90AbsY (Def=12. 72 Set=12. 72)
avg1=8. 84~12% avg2=na



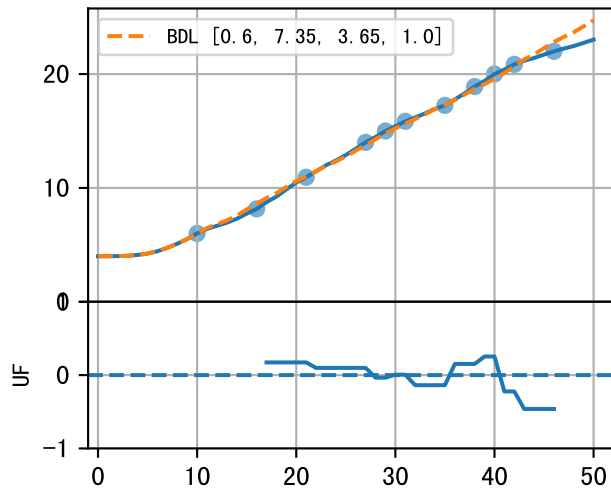
NdV_avgAbsY (Def=na Set=9. 24)
avg1=9. 24~35% avg2=na



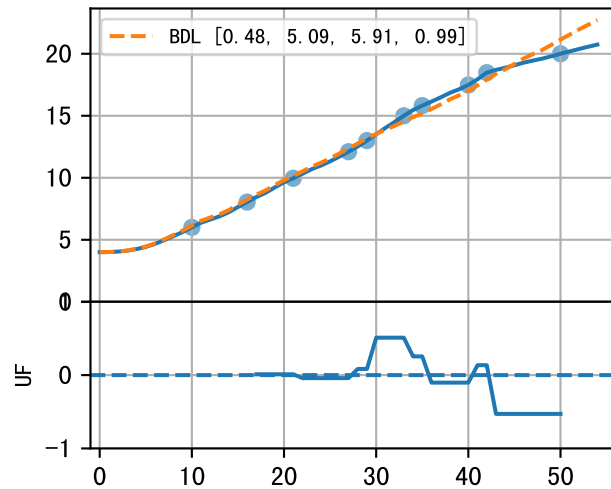
P10AW-003-11 (fit failed)



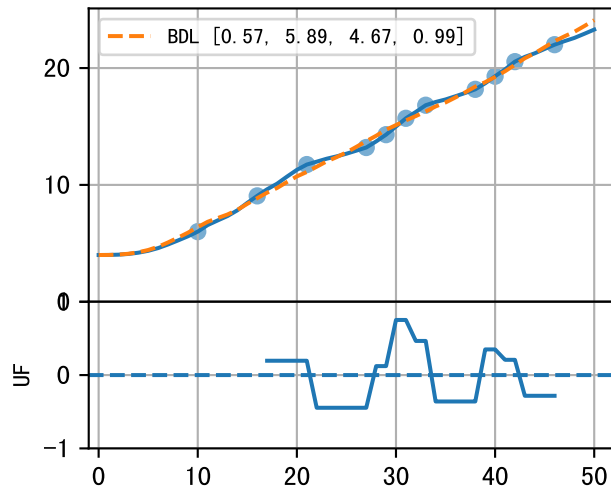
P10AW-010-21 (fit failed)



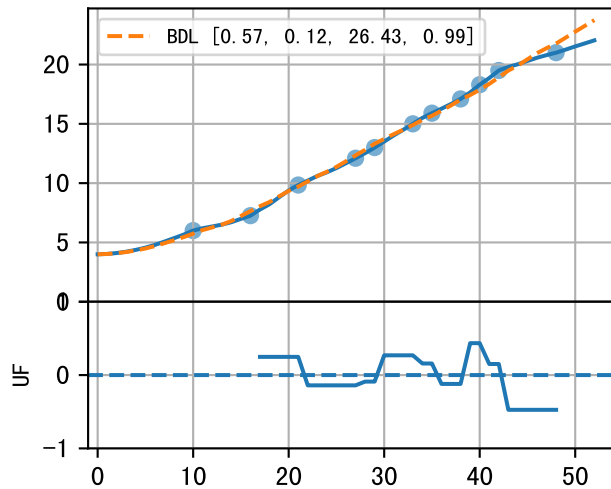
P10AW-029-30 (fit failed)



P10AW-041-24 (fit failed)



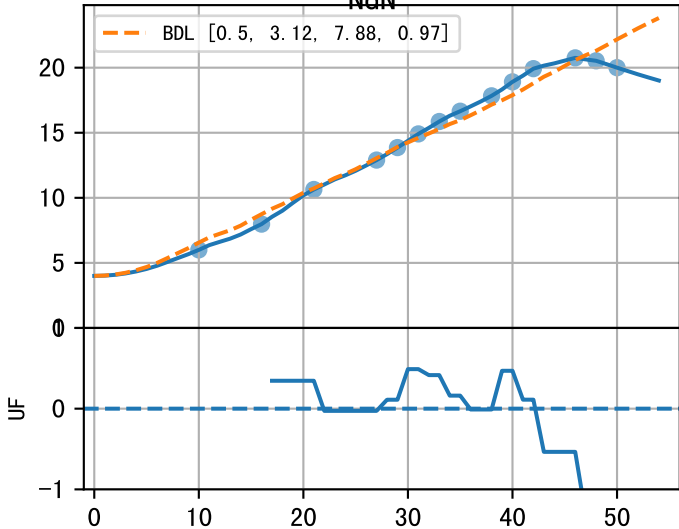
P10AW-054-10 (fit failed)



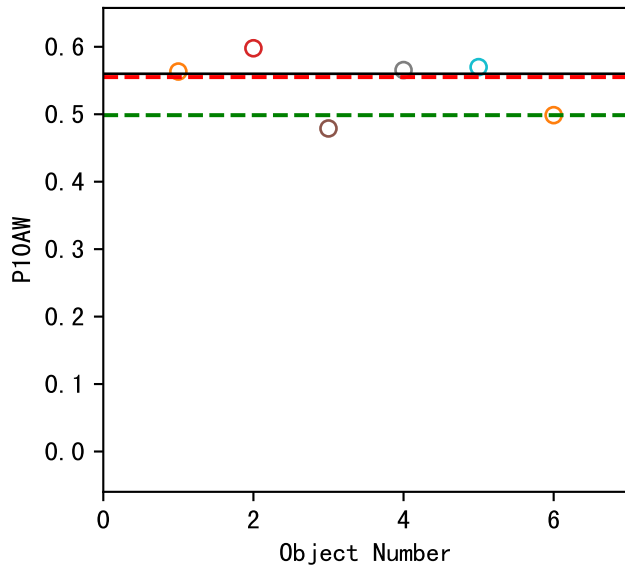
P10Aavg (fit failed)

NdN

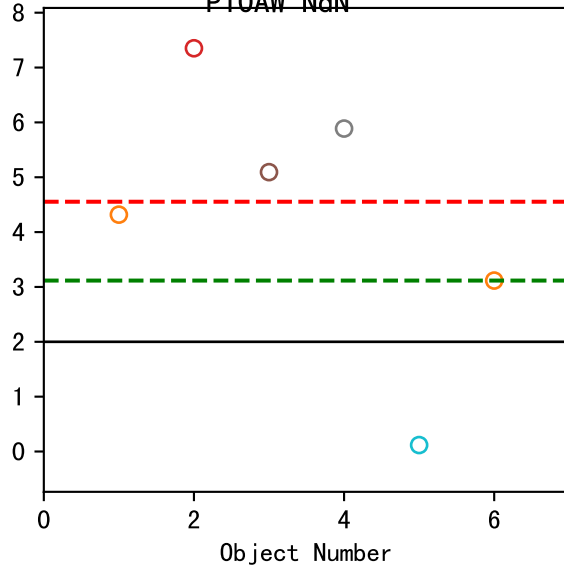
BDL [0.5, 3.12, 7.88, 0.97]



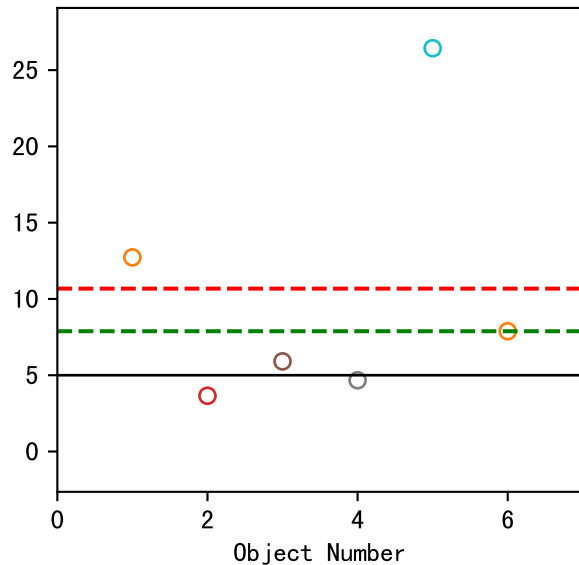
a (Def=0.56 Set=0.5)
avg1=0.56(fail) avg2=0.5



dm (Def=2 Set=3.12)
avg1=4.55(fail) avg2=3.12



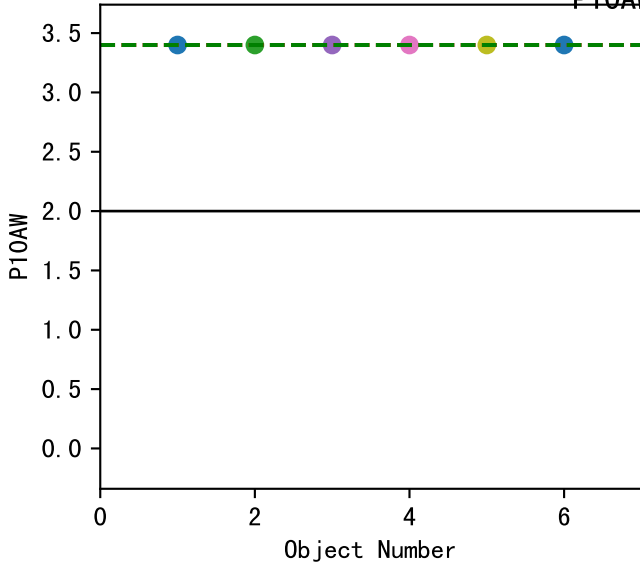
de (Def=5 Set=7.88)
avg1=10.68(fail) avg2=7.88



InitDev_dm (Def=2 Set=3.4)

avg1=3.4~0% avg2=3.4

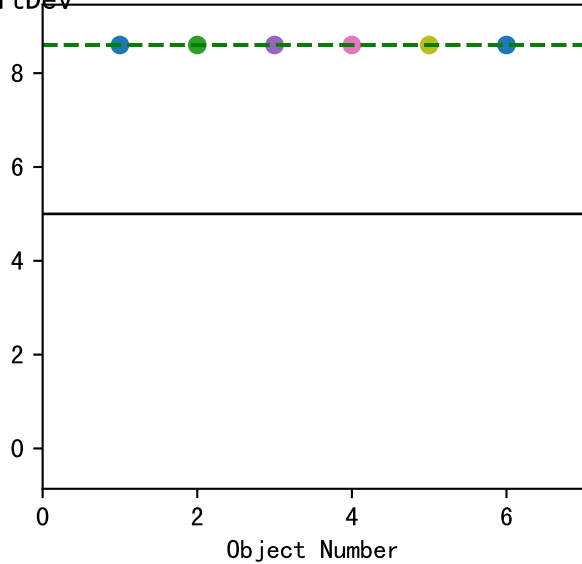
P10AW



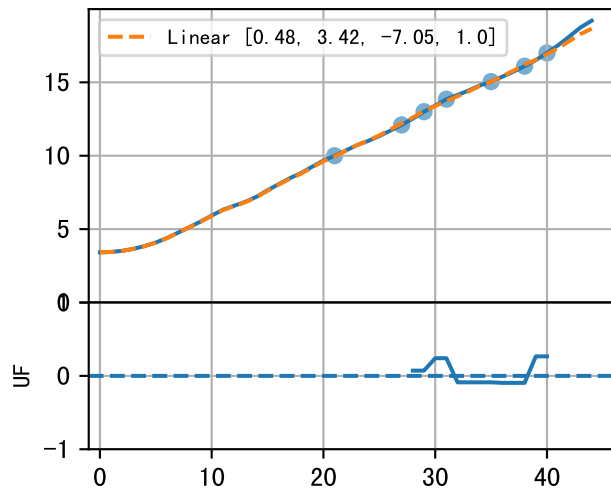
InitDev_de (Def=5 Set=8.6)

avg1=8.6~0% avg2=8.6

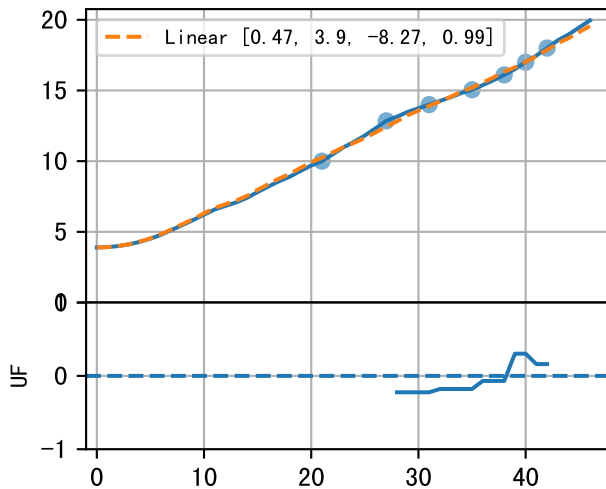
InitDev



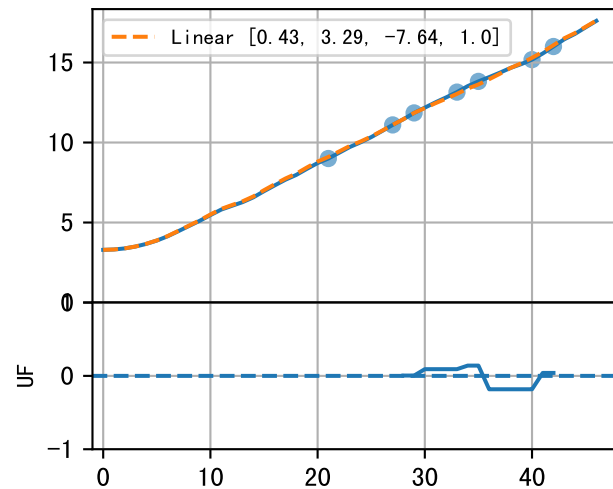
P10AW-003-11



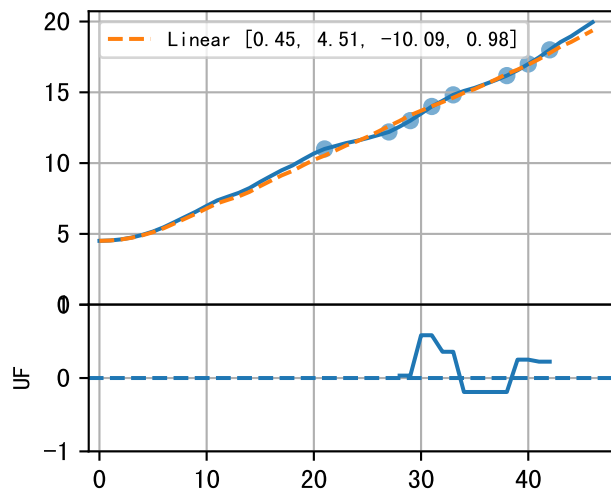
P10AW-016-3



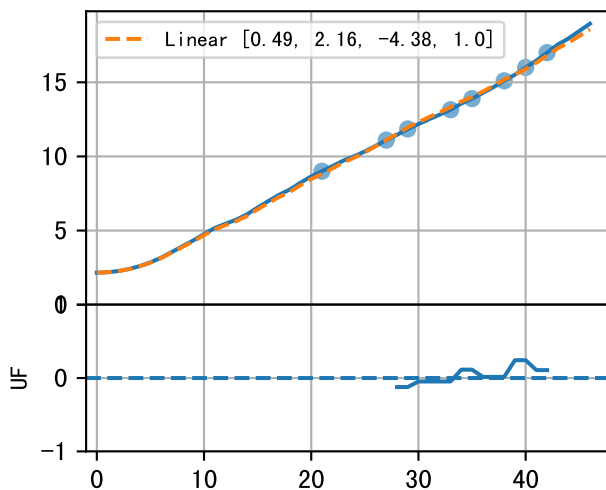
P10AW-029-30



P10AW-041-24



P10AW-054-10



P10AWavg
LfN

Linear [0.46, 3.57, -7.76, 1.0]

UF

15

10

5

0

0

-1

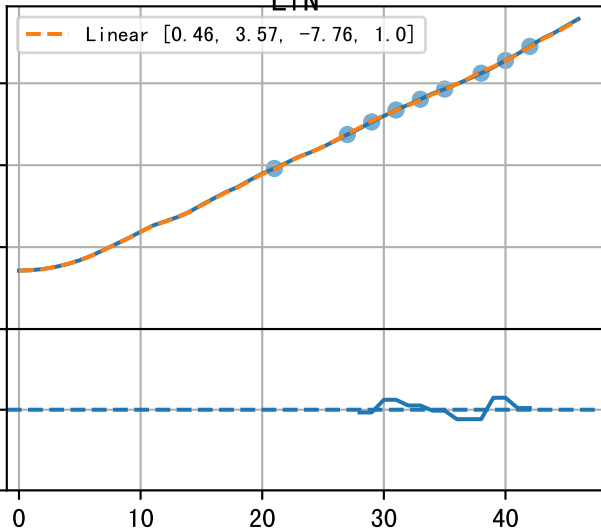
0

10

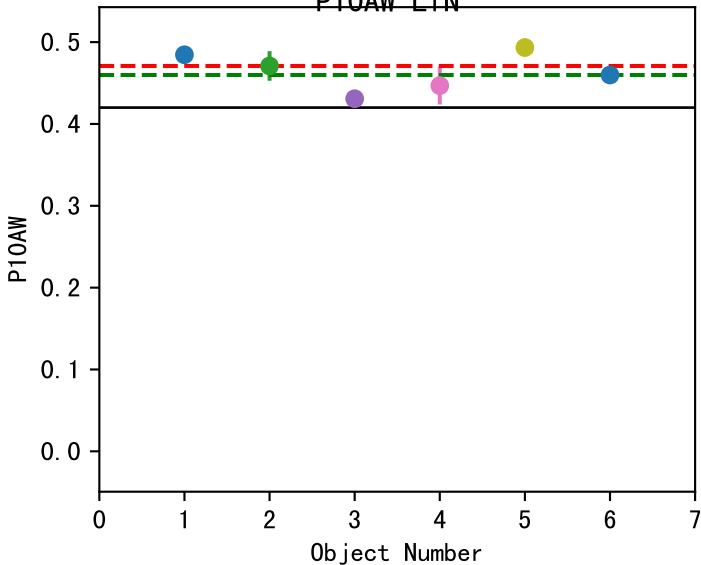
20

30

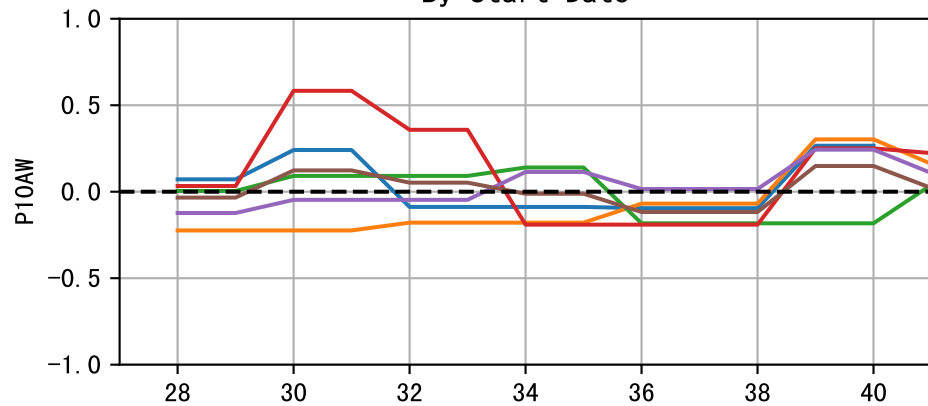
40



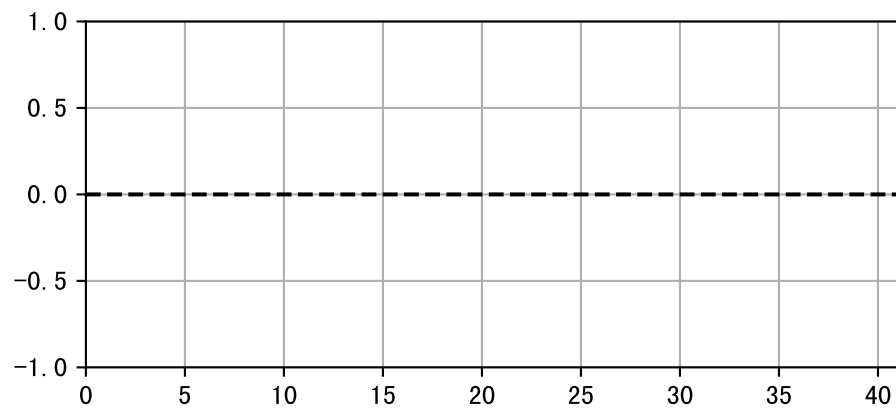
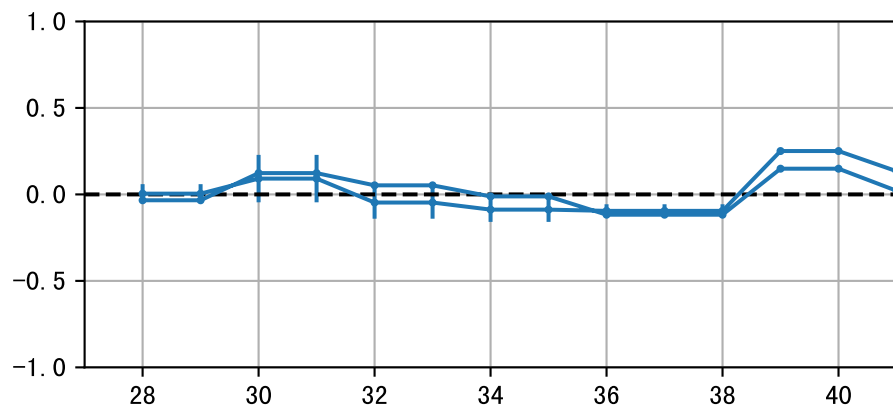
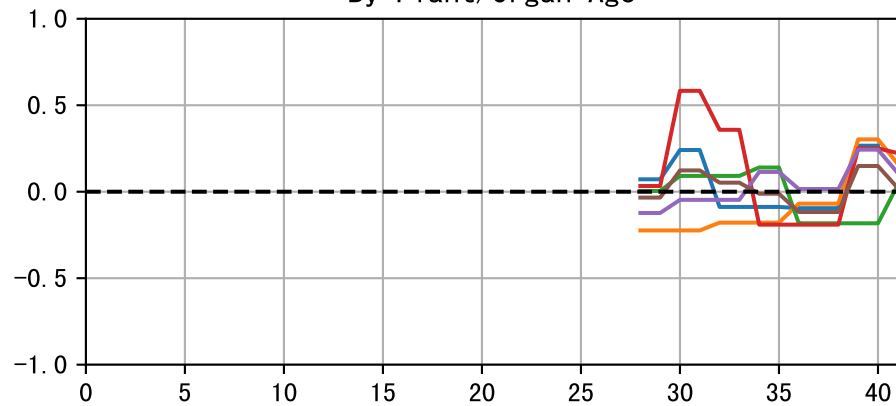
a (Def=0.42 Set=0.46)
avg1=0.47~6% avg2=0.46~2%



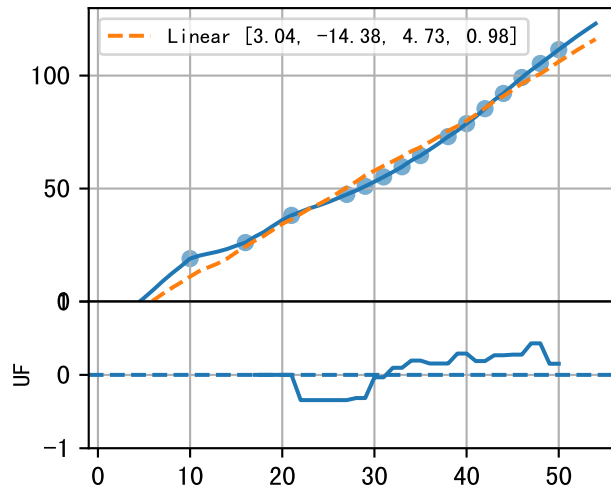
By Start Date



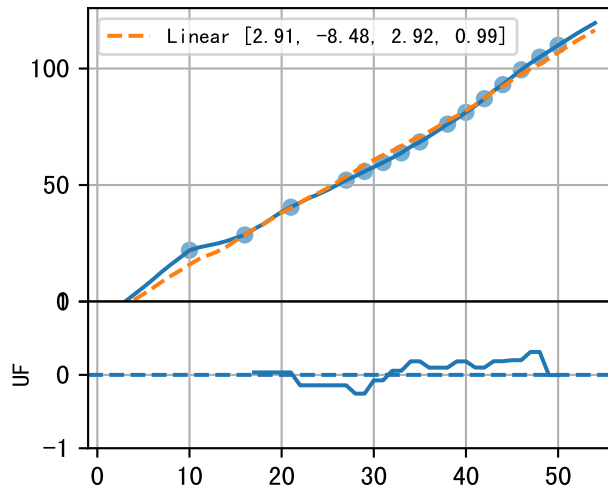
By Plant/Organ Age



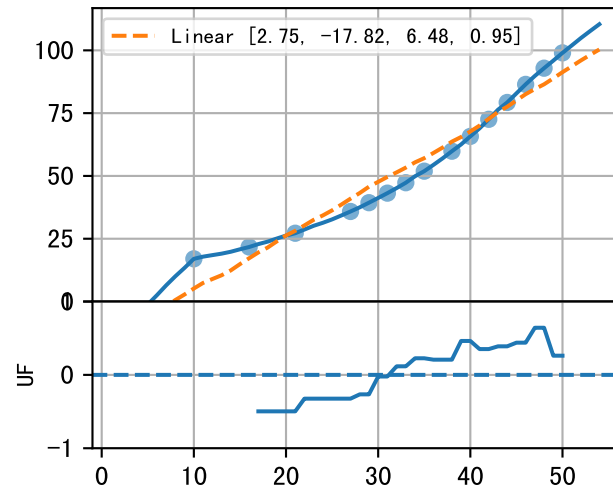
P10AW-003-11



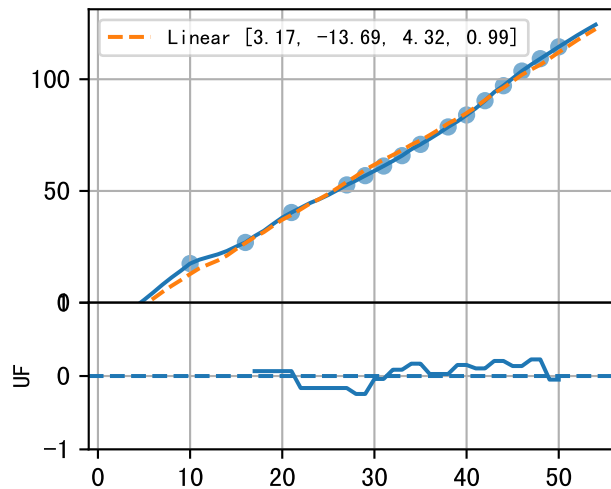
P10AW-016-3



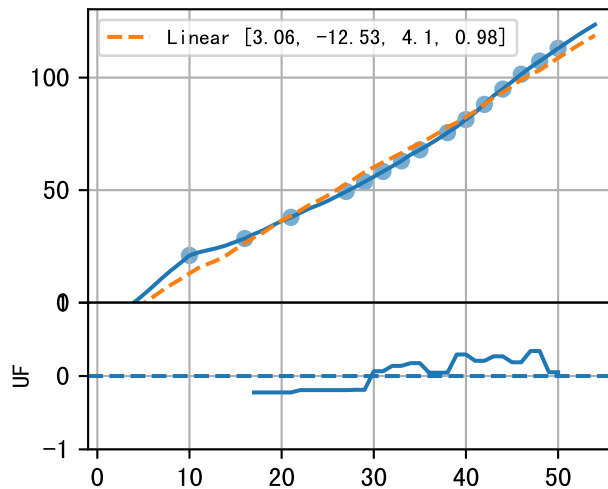
P10AW-029-30



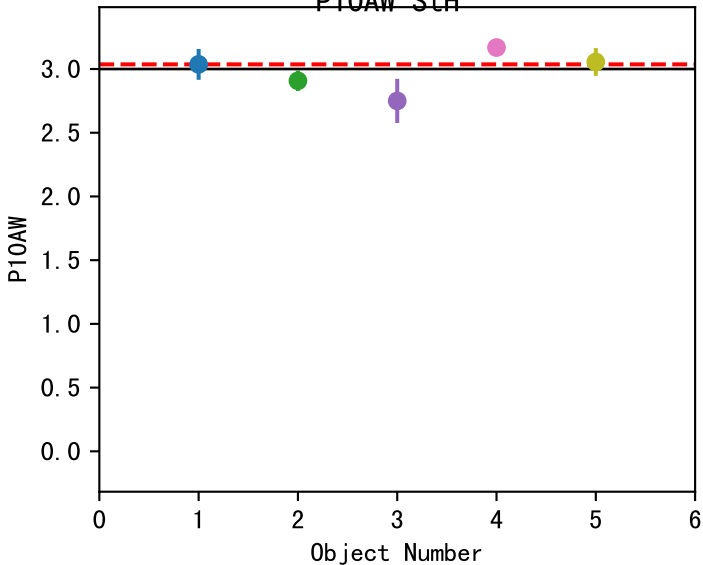
P10AW-041-24



P10AW-054-10

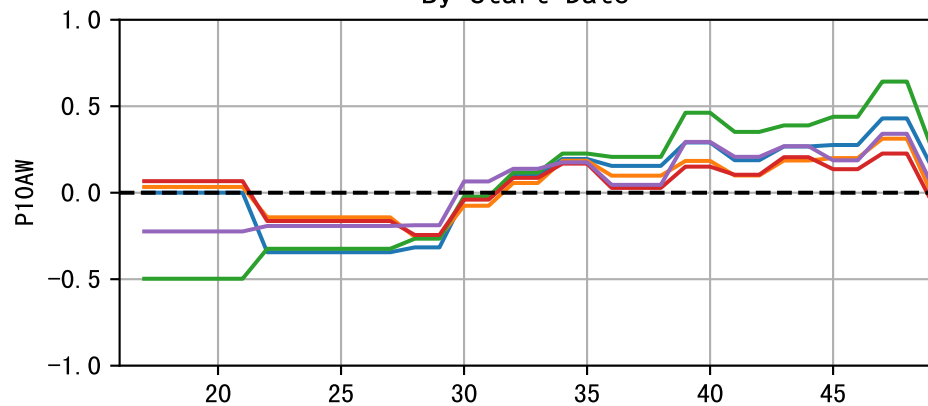


a (Def=3 Set=3.04)
avg1=3.04 $\pm$ 5% avg2=na
P10AW StH

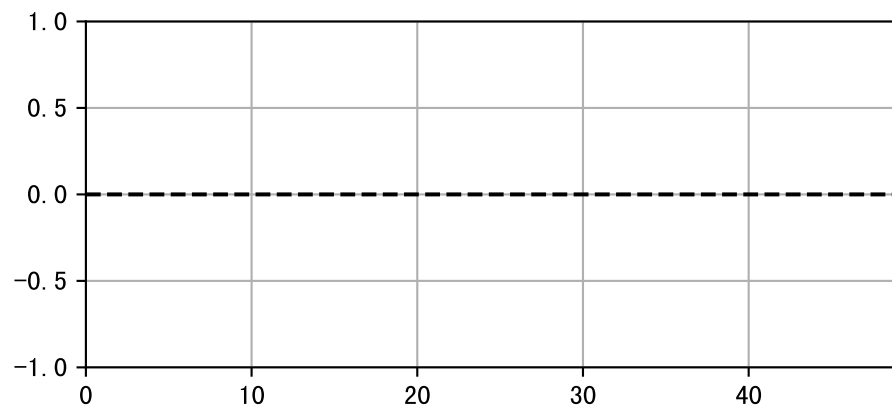
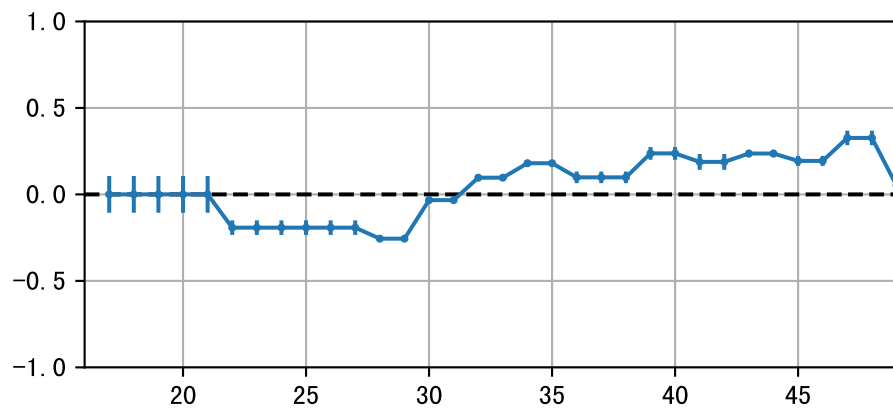
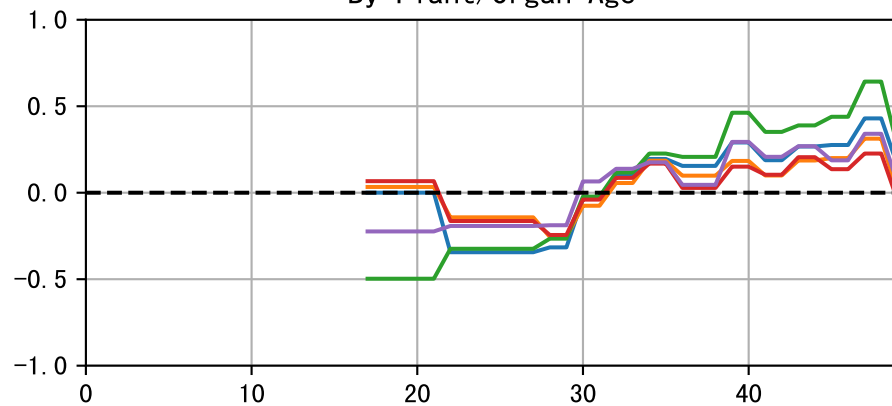


StH

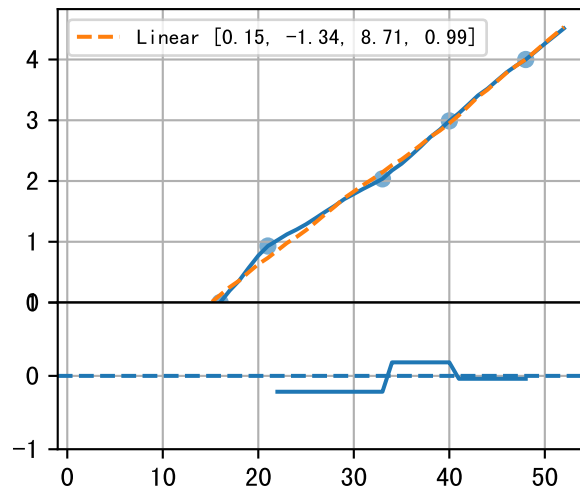
By Start Date



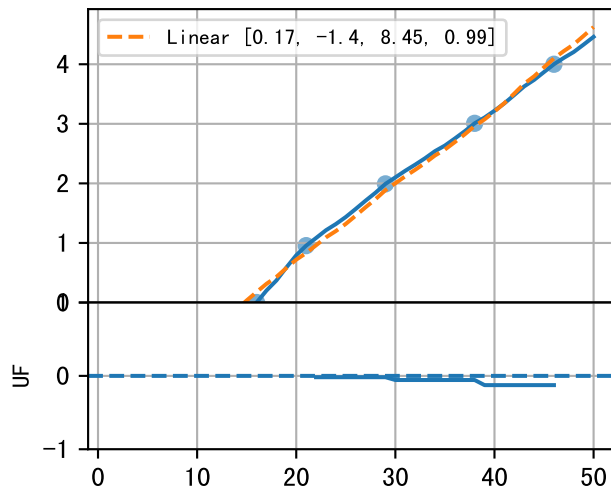
By Plant/Organ Age



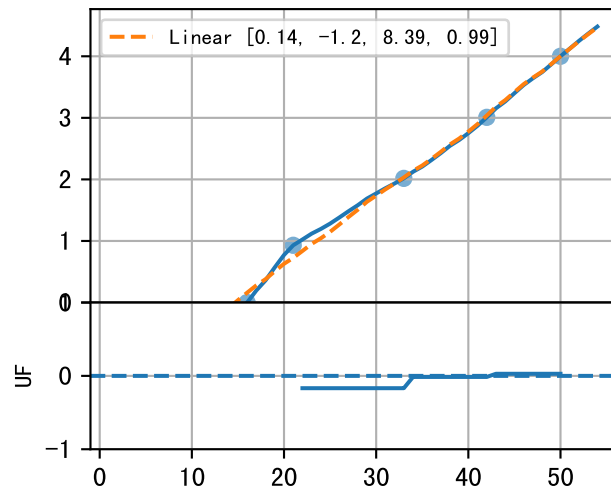
P10AW-003-11



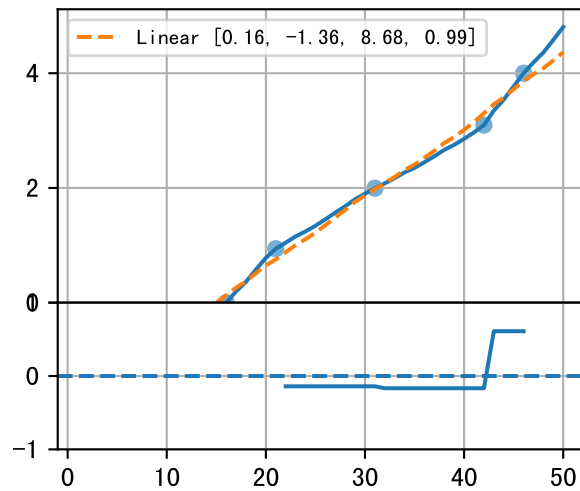
P10AW-016-3



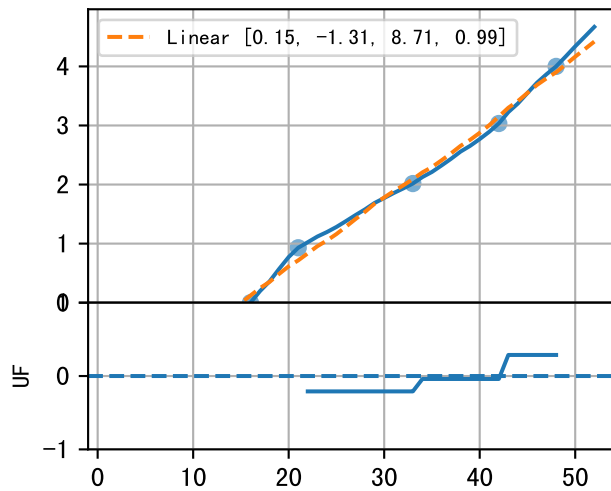
P10AW-029-30



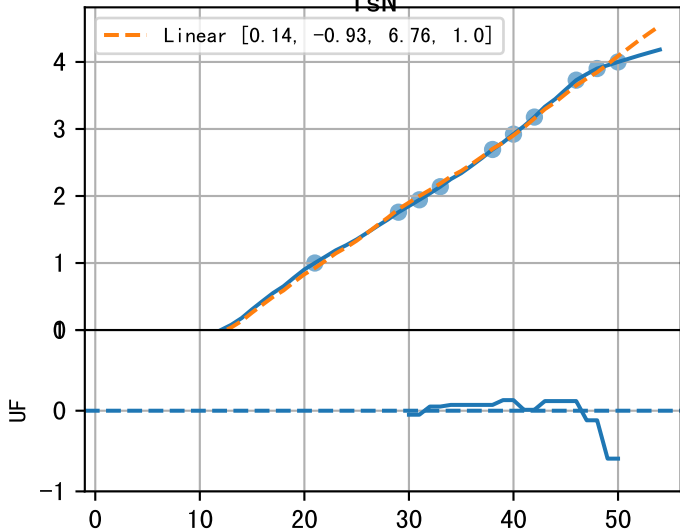
P10AW-041-24

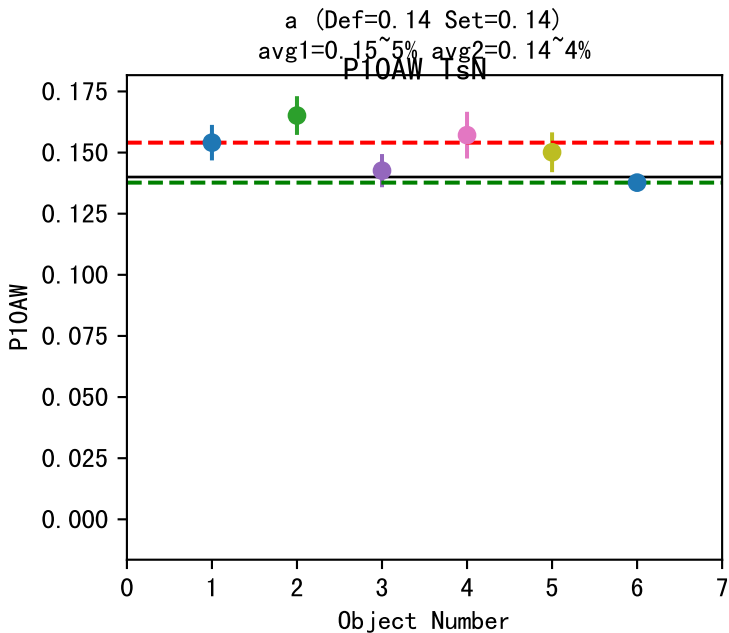


P10AW-054-10



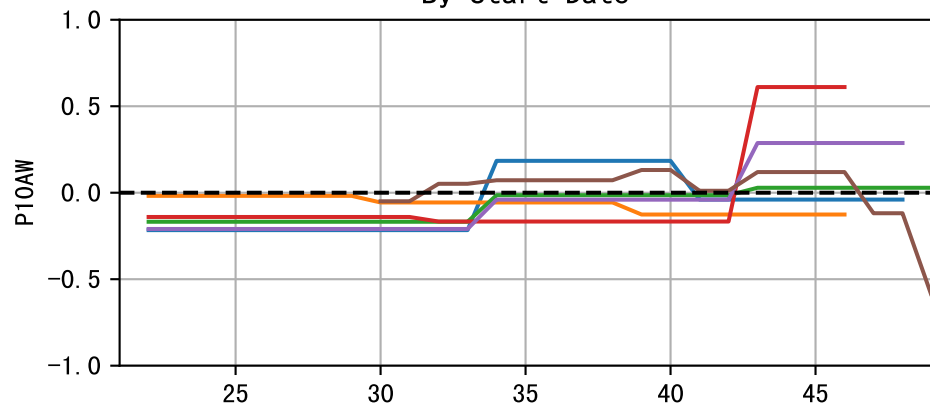
P10AWavg
TSN



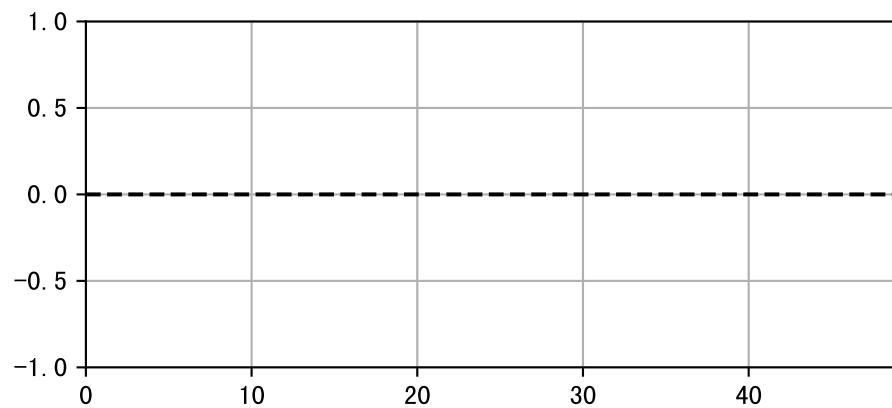
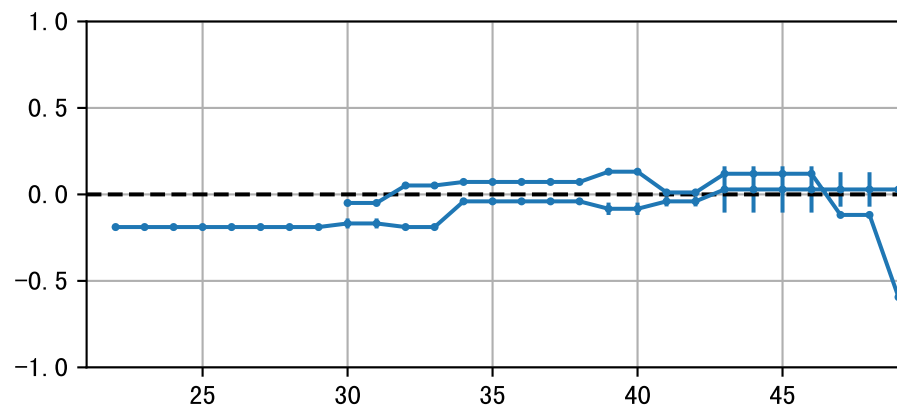
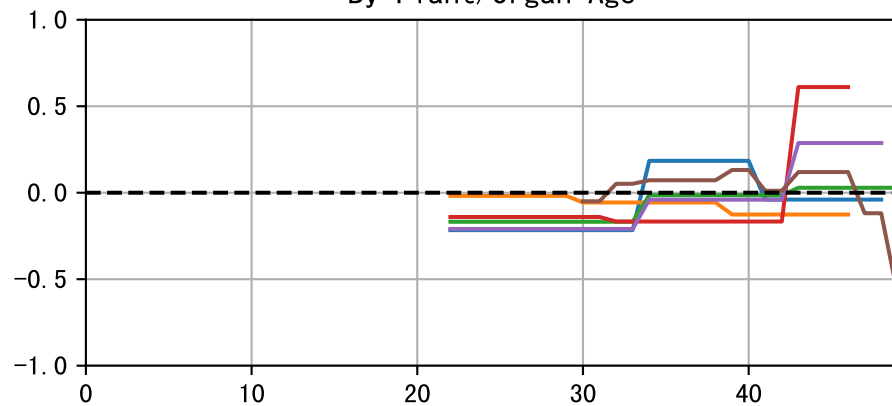


TsN

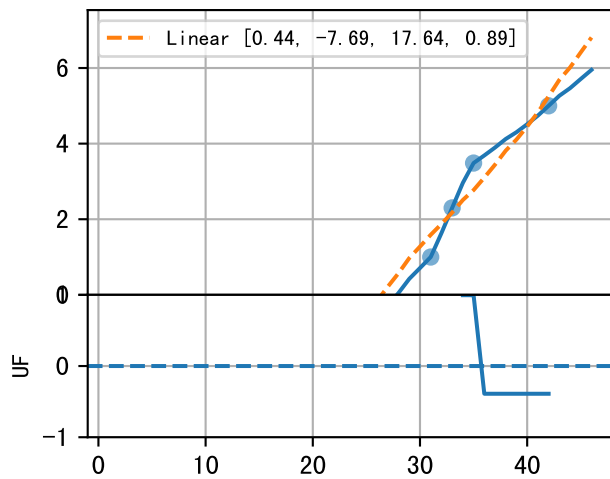
By Start Date



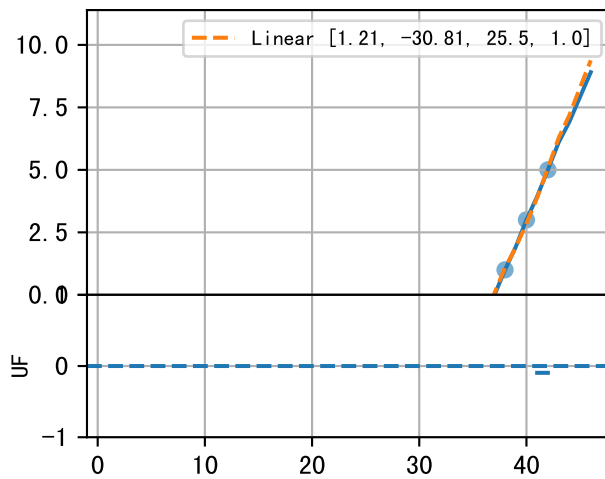
By Plant/Organ Age



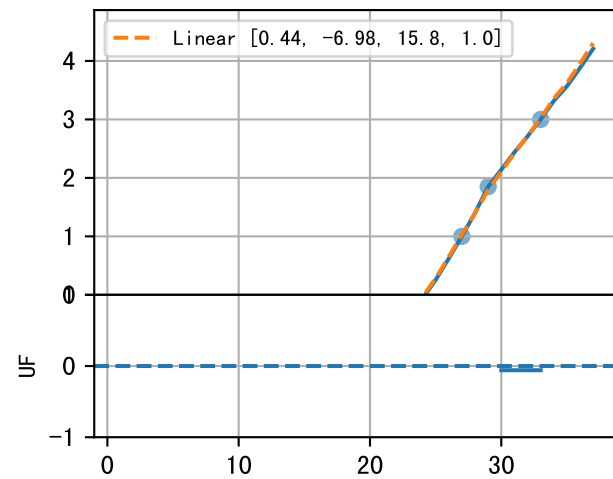
P10AW-003-11T1



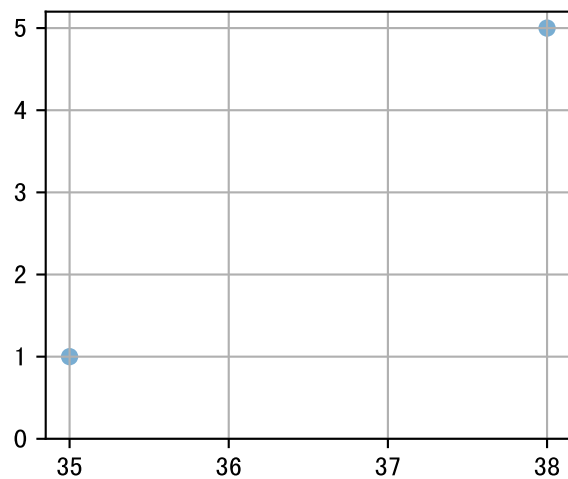
P10AW-003-11T2



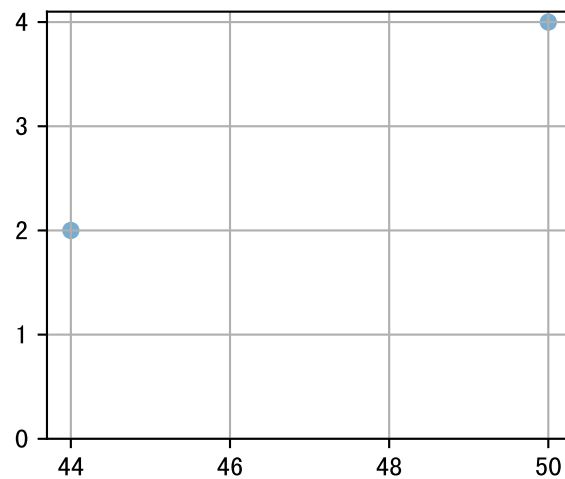
P10AW-016-3T1



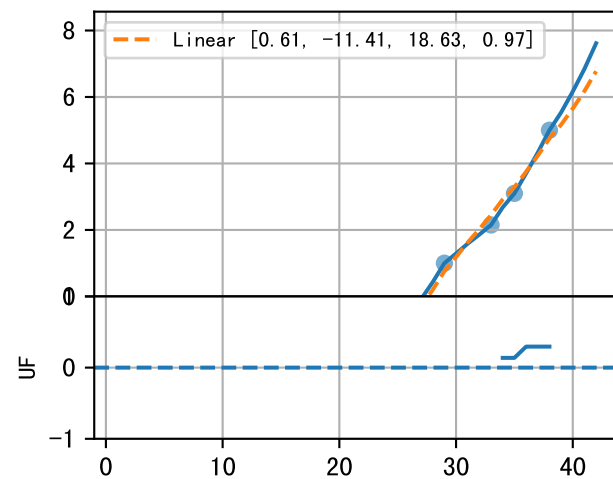
P10AW-016-3T2 (fit failed)



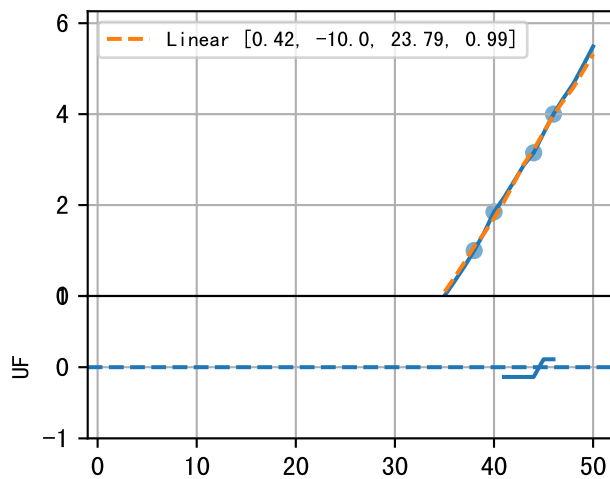
P10AW-016-3T3 (fit failed)



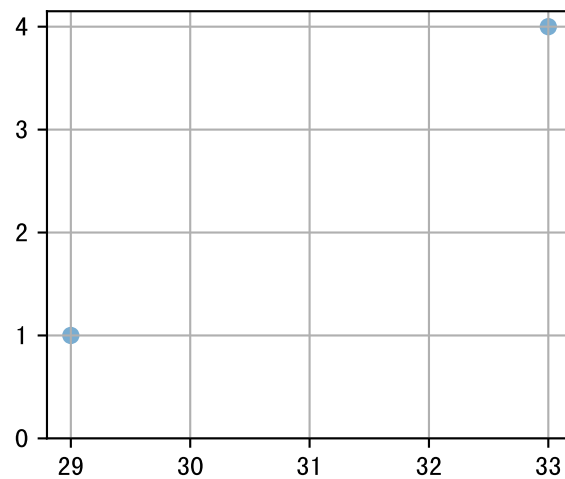
P10AW-029-30T1



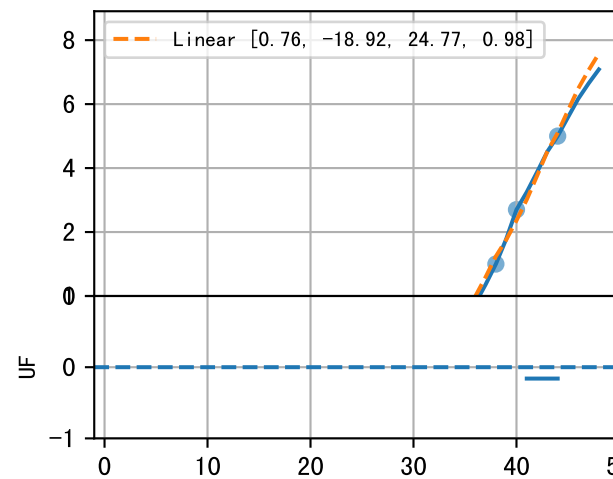
P10AW-029-30T2



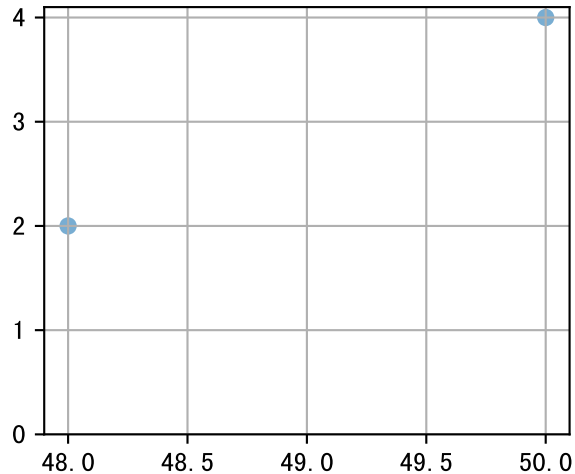
P10AW-041-24T1 (fit failed)



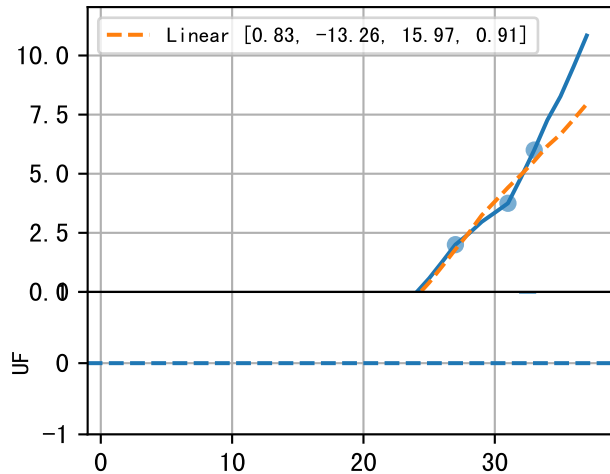
P10AW-041-24T2



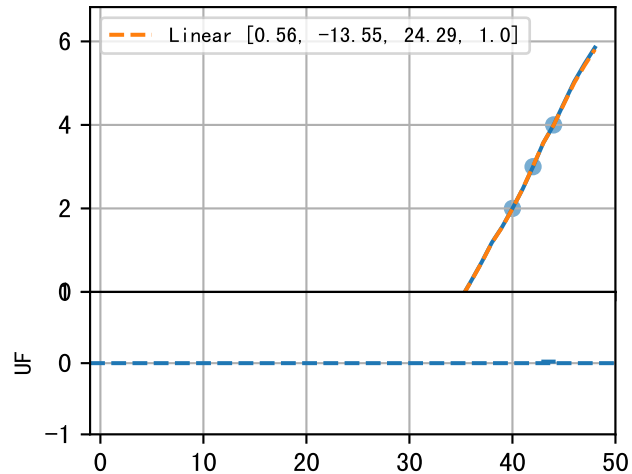
P10AW-041-24T3 (fit failed)



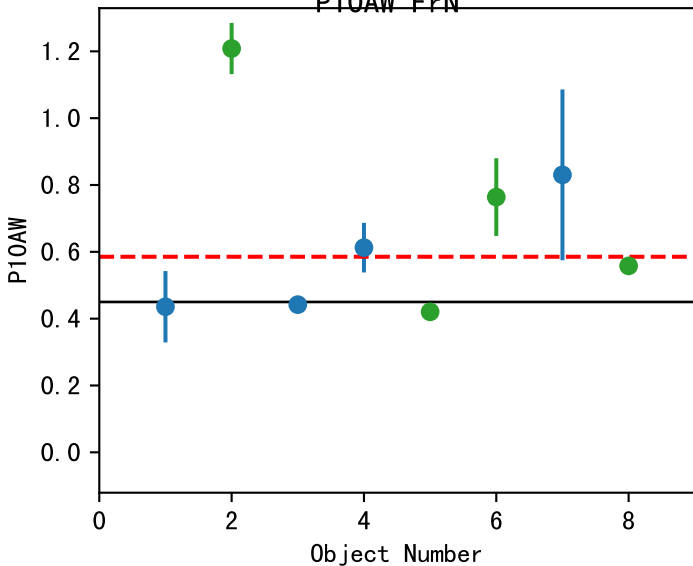
P10AW-054-10T1



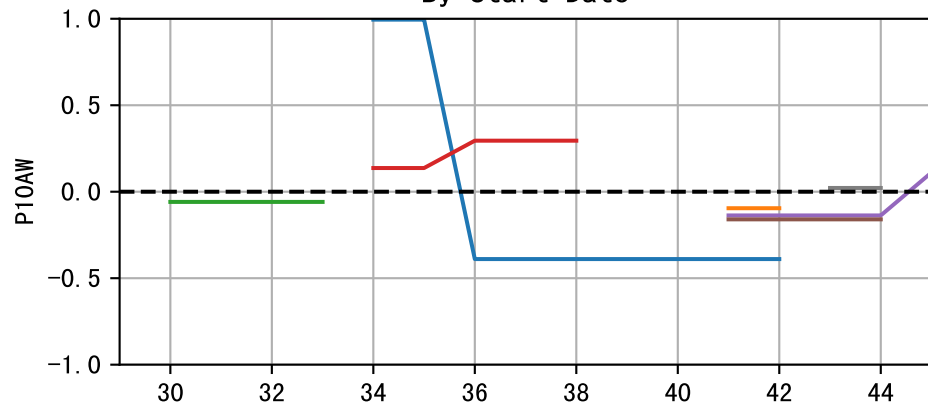
P10AW-054-10T2



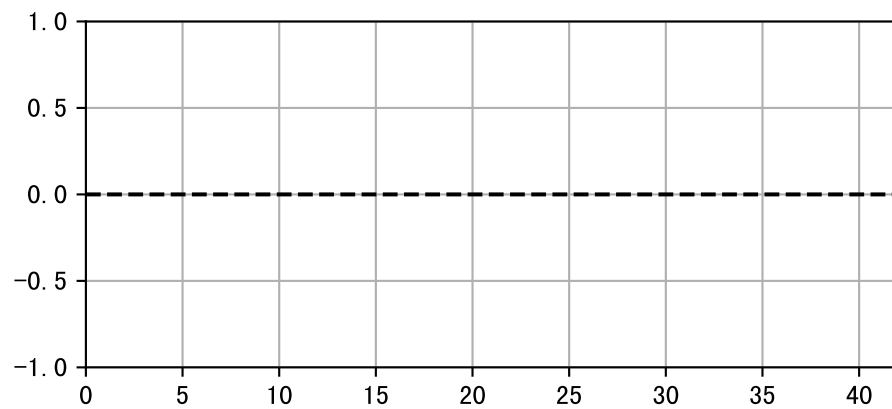
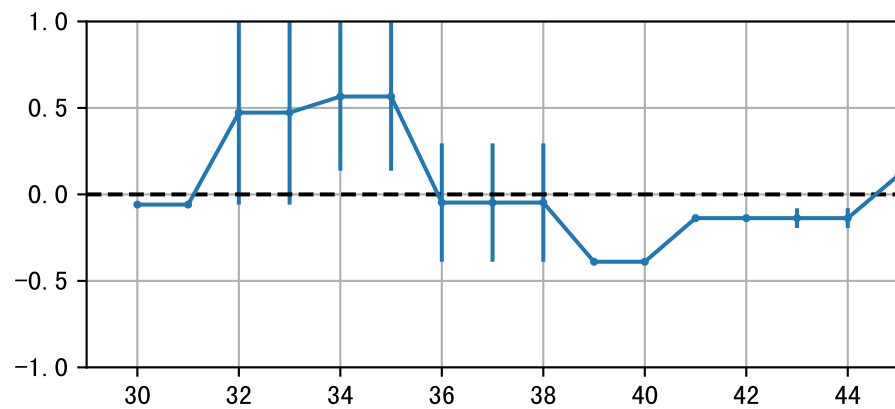
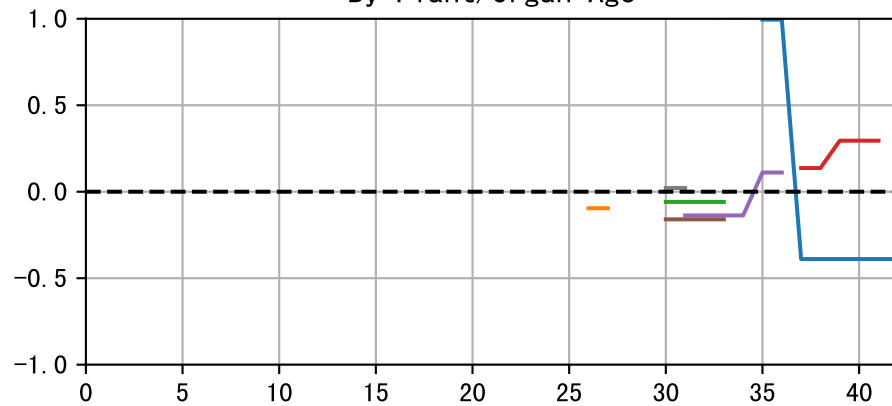
a (Def=0.45 Set=0.59)
avg1=0.59~46% avg2=na



By Start Date

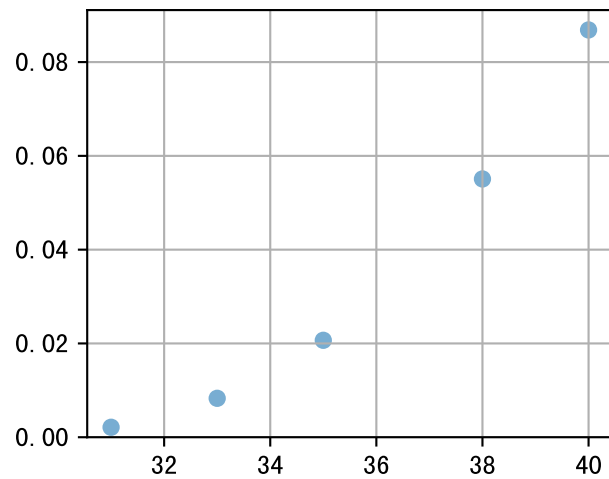


By Plant/Organ Age

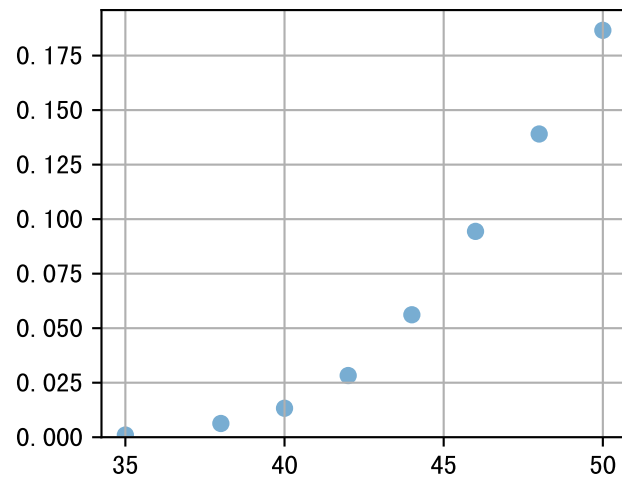


FrV

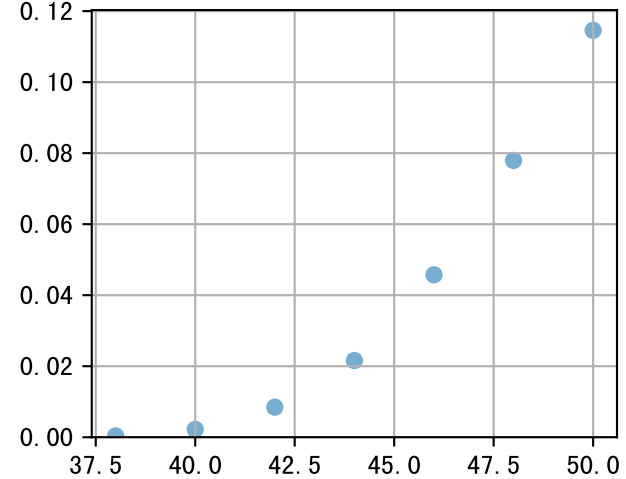
P10AW-003-11T1Fr1 (fit failed)



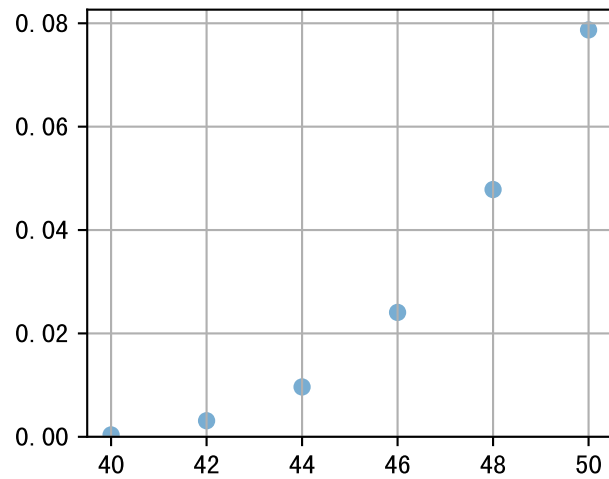
P10AW-003-11T1Fr5 (fit failed)



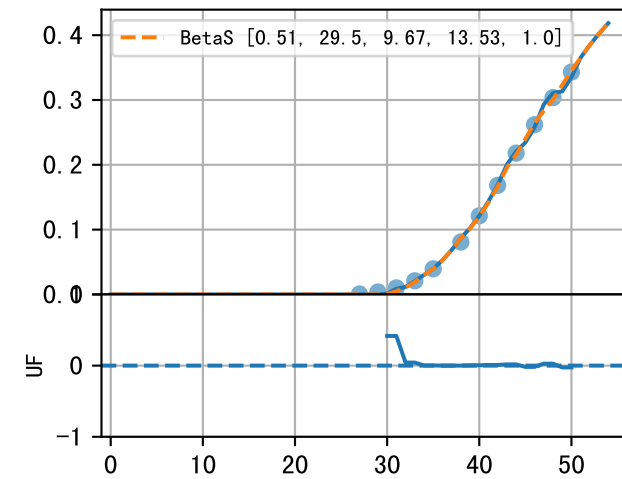
P10AW-003-11T2Fr1 (fit failed)



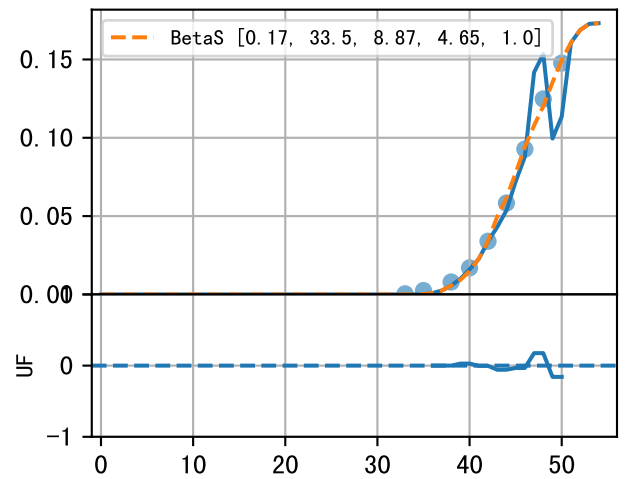
P10AW-003-11T2Fr5 (fit failed)



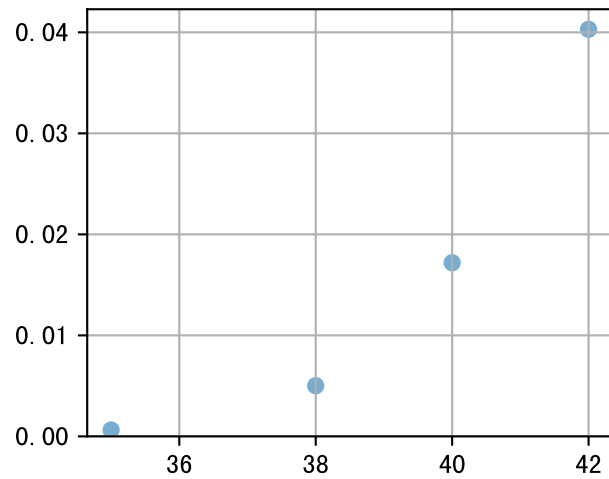
P10AW-016-3T1Fr1



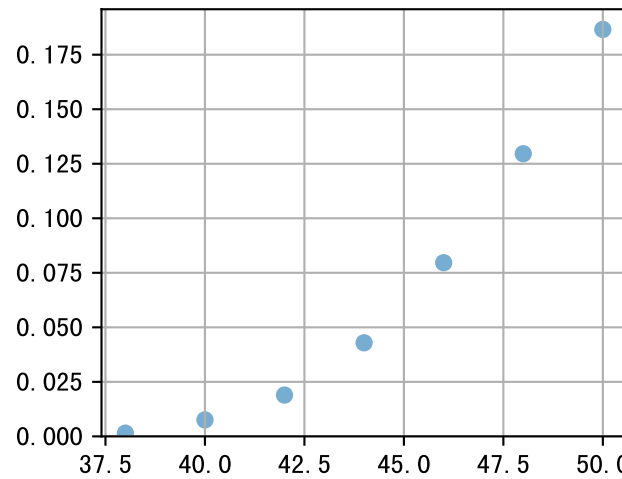
P10AW-016-3T1Fr5



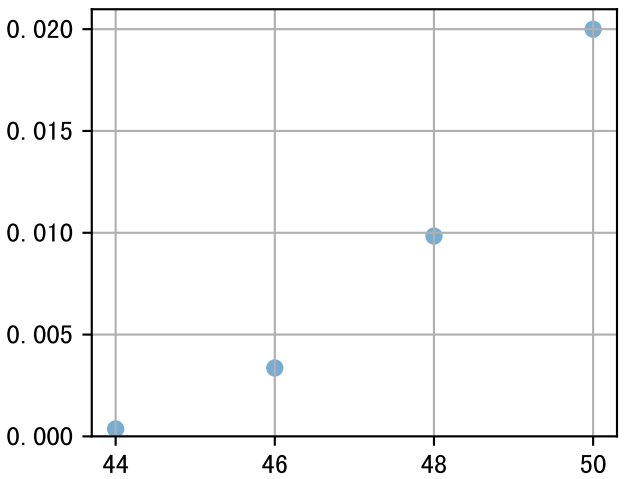
P10AW-016-3T2Fr1 (fit failed)



P10AW-016-3T2Fr5 (fit failed)

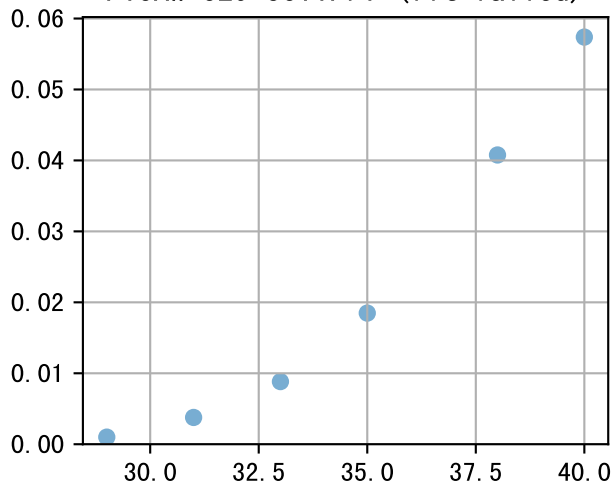


P10AW-016-3T3Fr1 (fit failed)

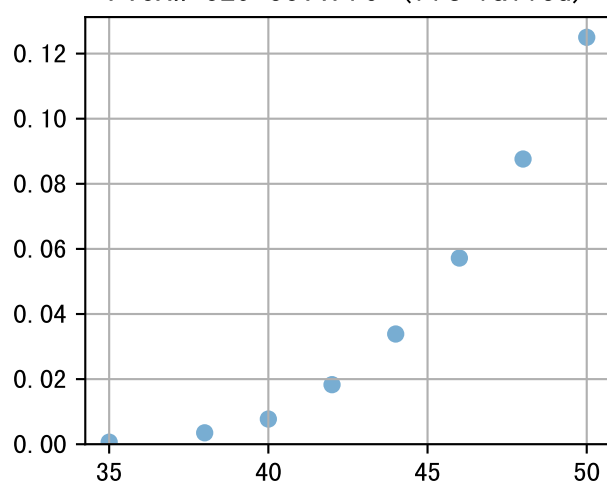


FrV

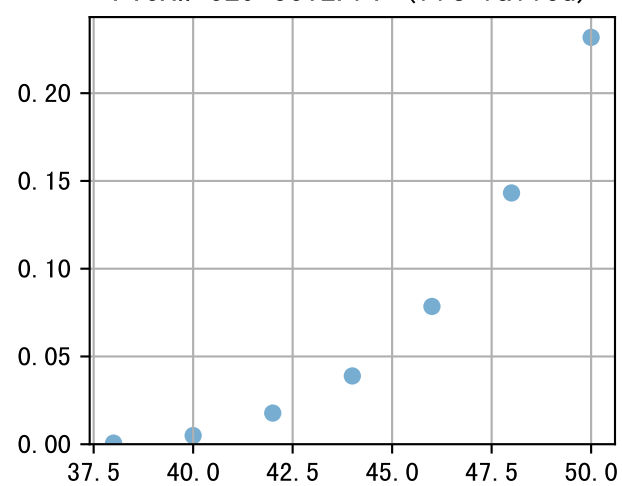
P10AW-029-30T1Fr1 (fit failed)



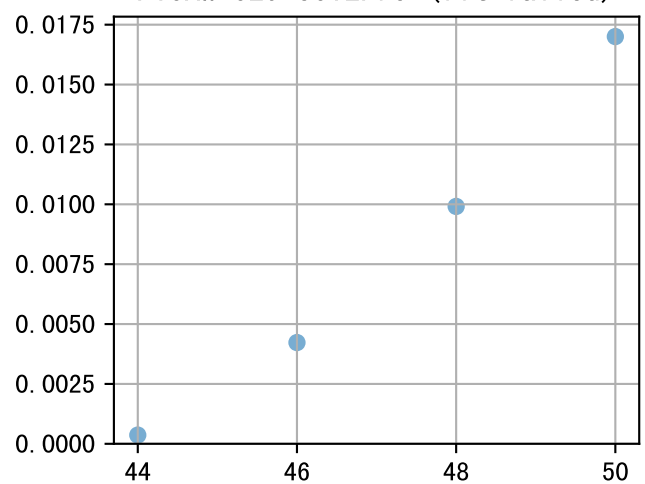
P10AW-029-30T1Fr5 (fit failed)



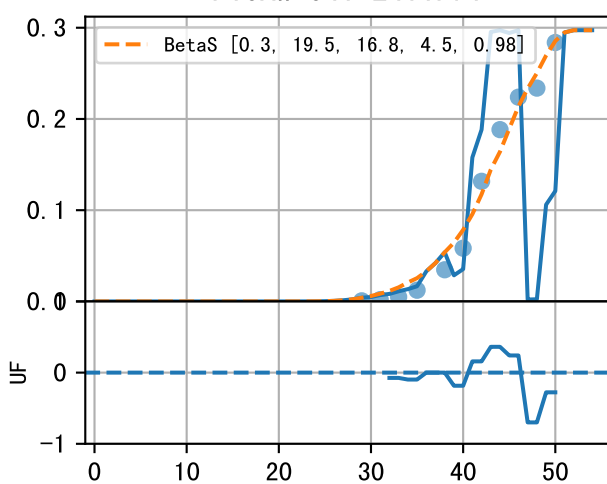
P10AW-029-30T2Fr1 (fit failed)



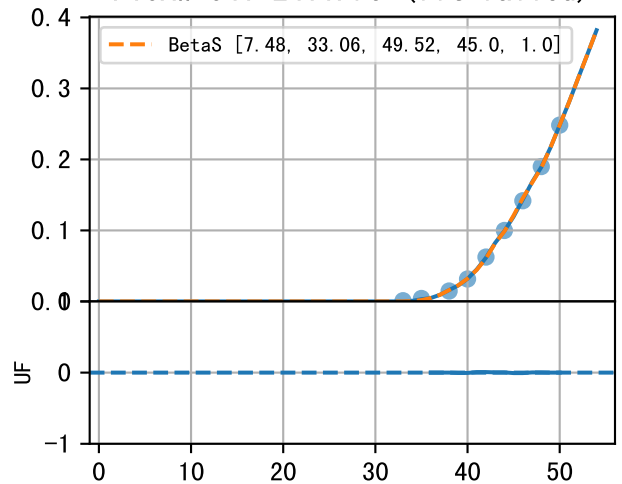
P10AW-029-30T2Fr5 (fit failed)



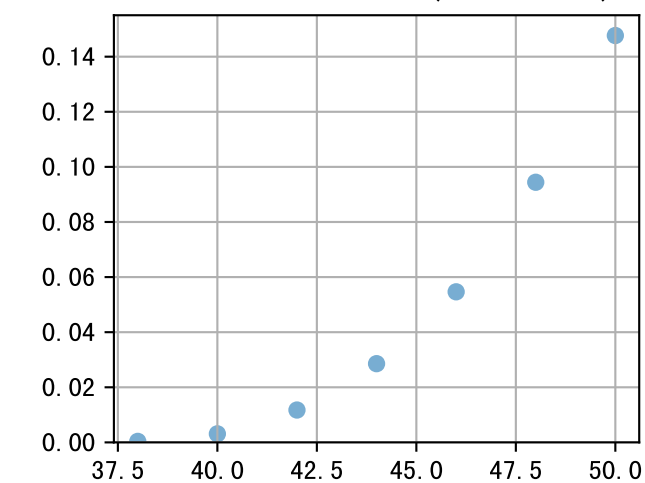
P10AW-041-24T1Fr1



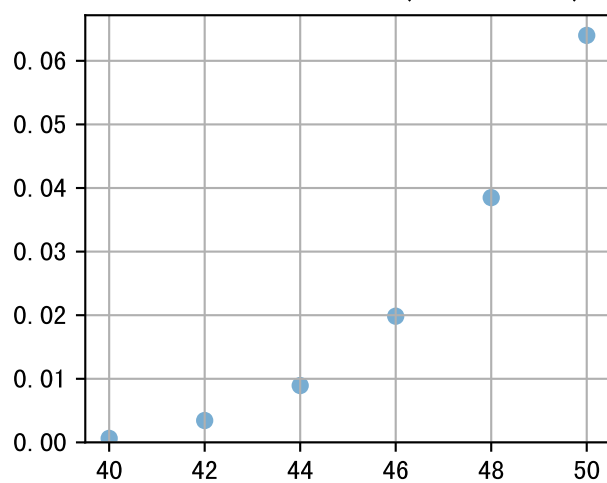
P10AW-041-24T1Fr5 (fit failed)



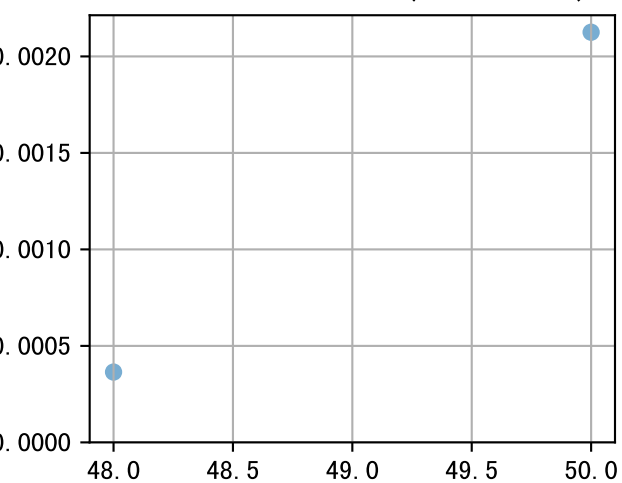
P10AW-041-24T2Fr1 (fit failed)



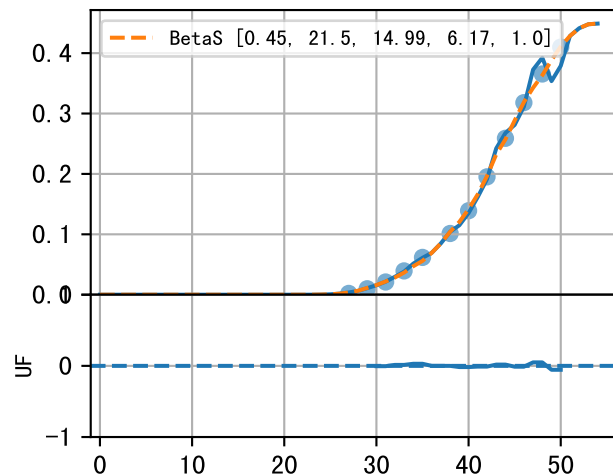
P10AW-041-24T2Fr5 (fit failed)



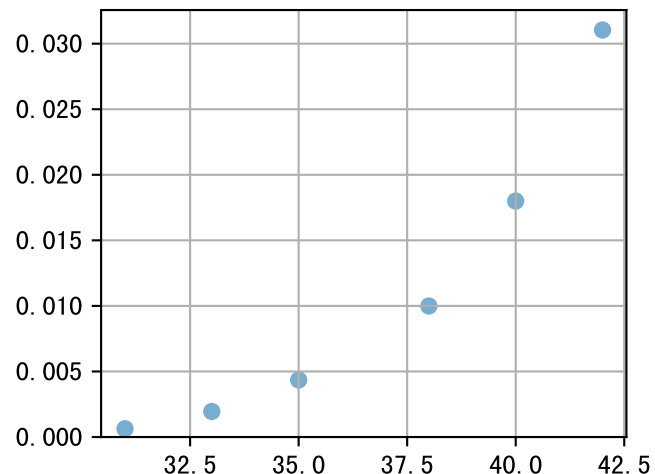
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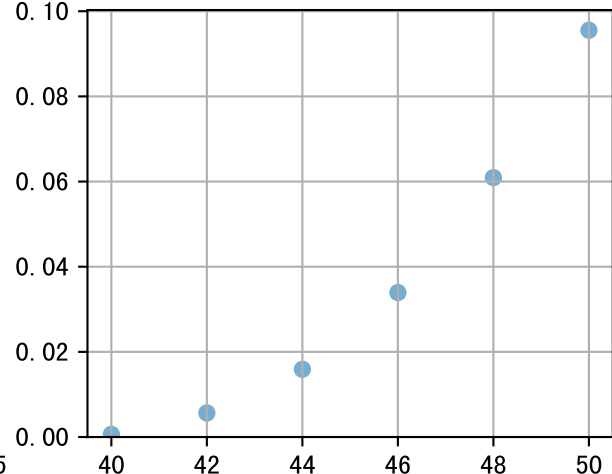
P10AW-054-10T1Fr1



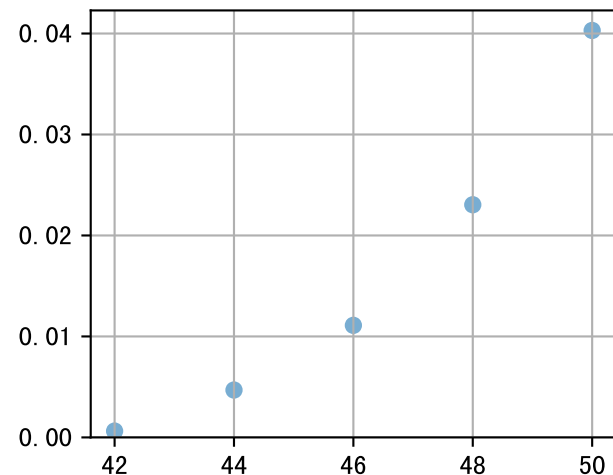
P10AW-054-10T1Fr5 (fit failed)



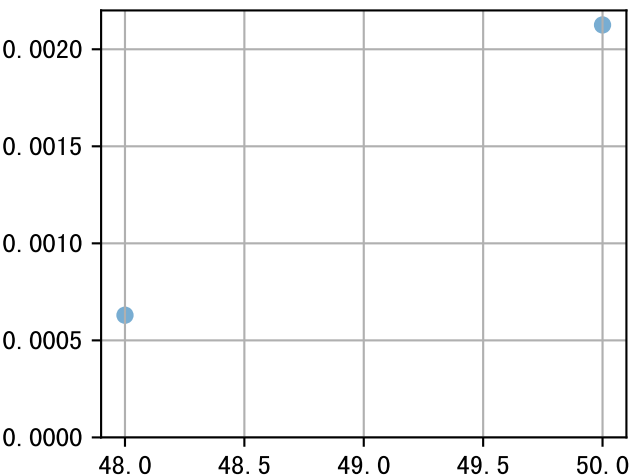
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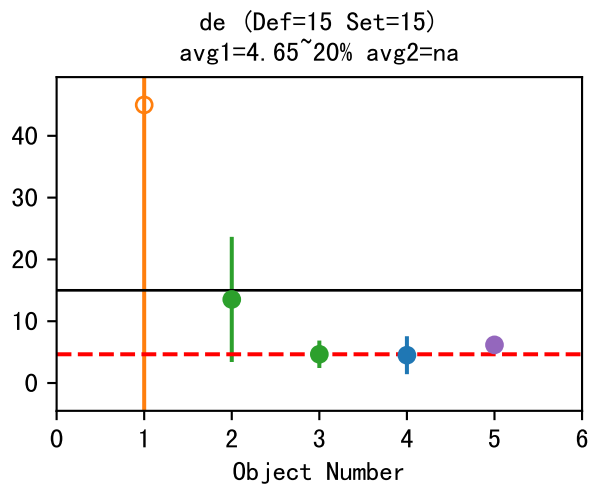
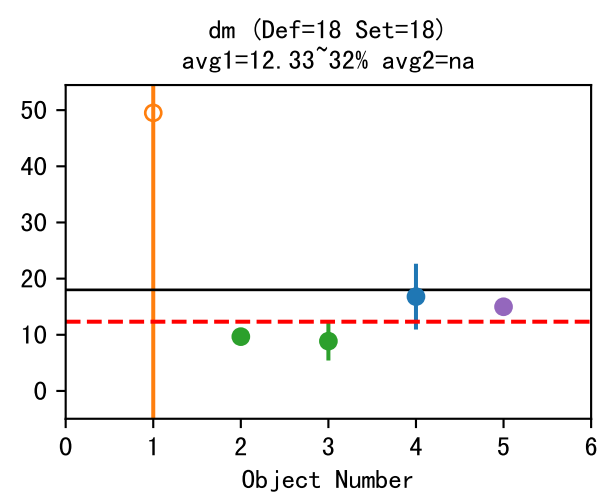
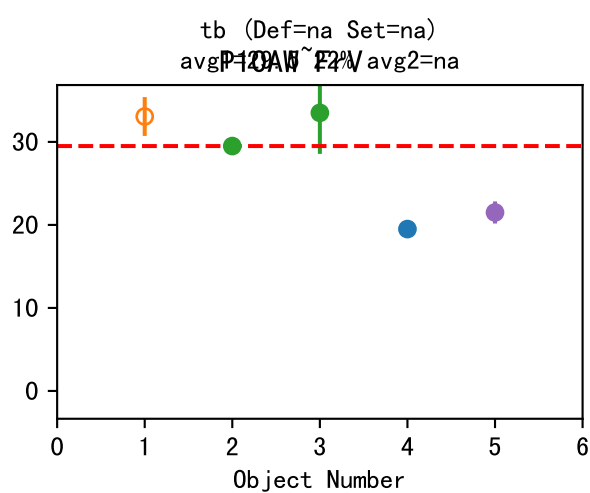
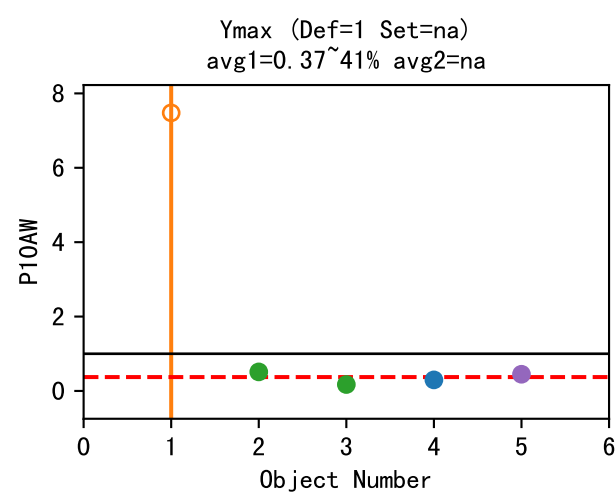


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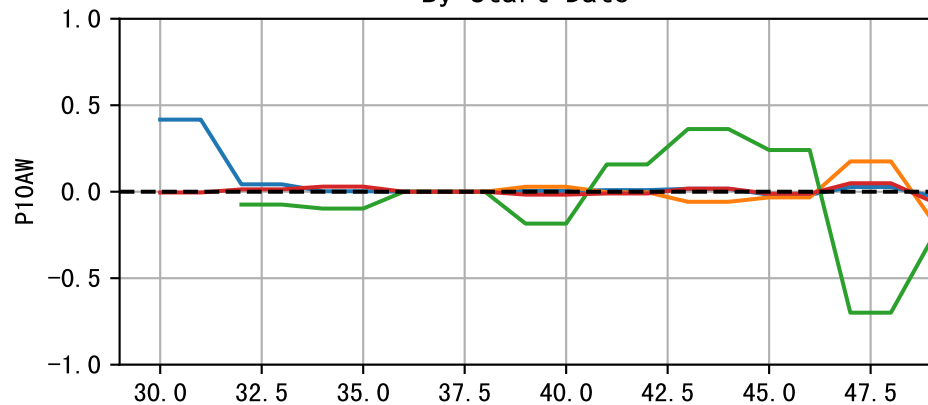


P10AW-054-10T3Fr1 (fit failed)

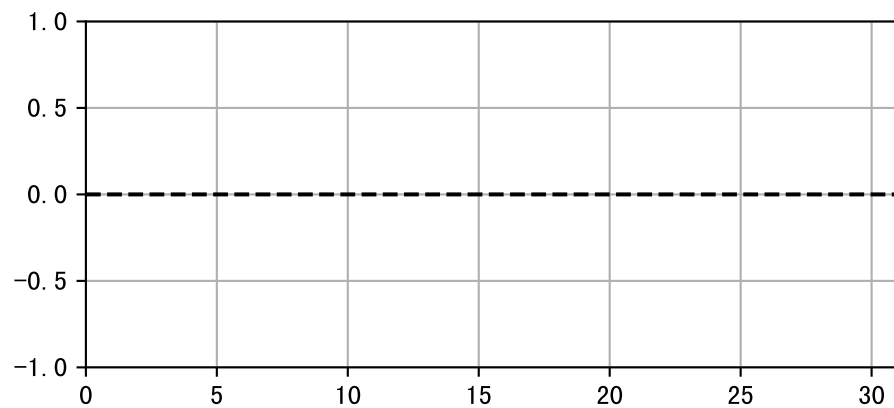
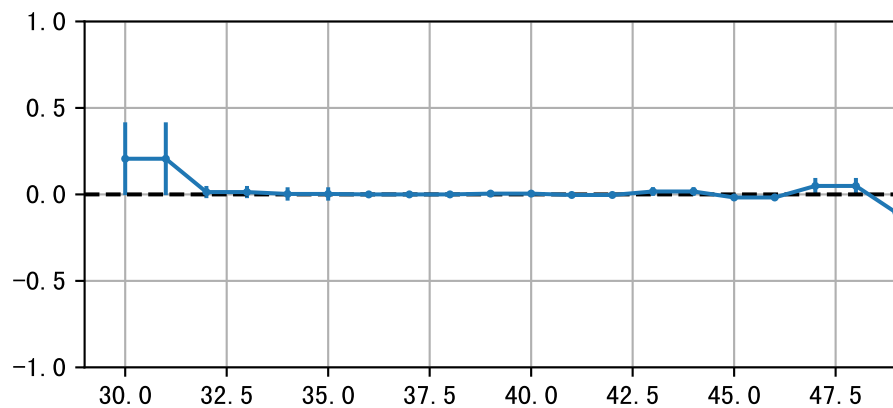
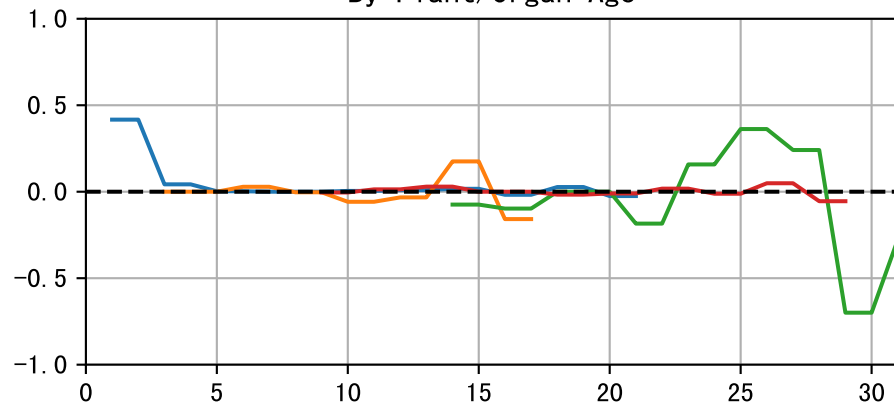




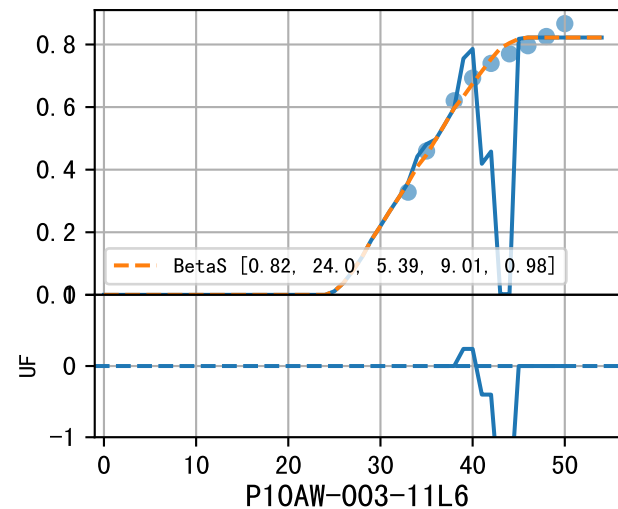
By Start Date



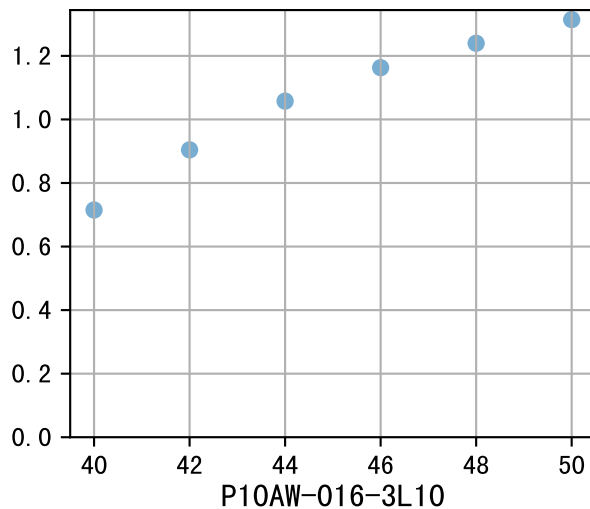
By Plant/Organ Age



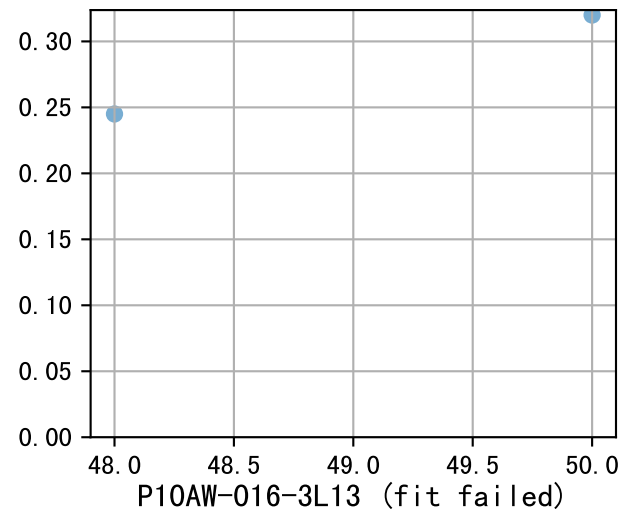
P10AW-003-11L11 (fit failed)



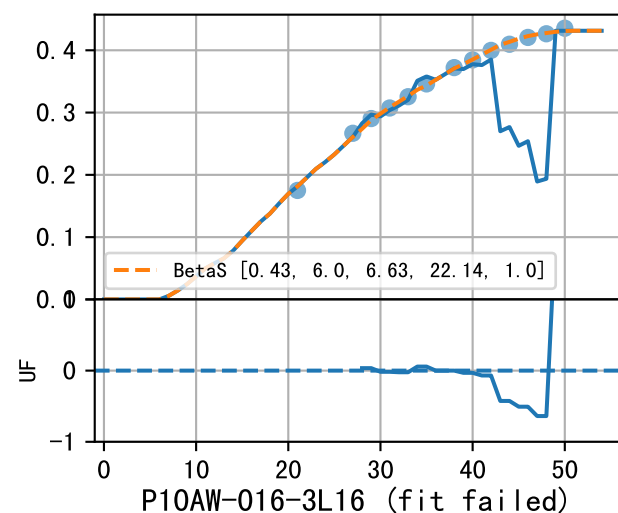
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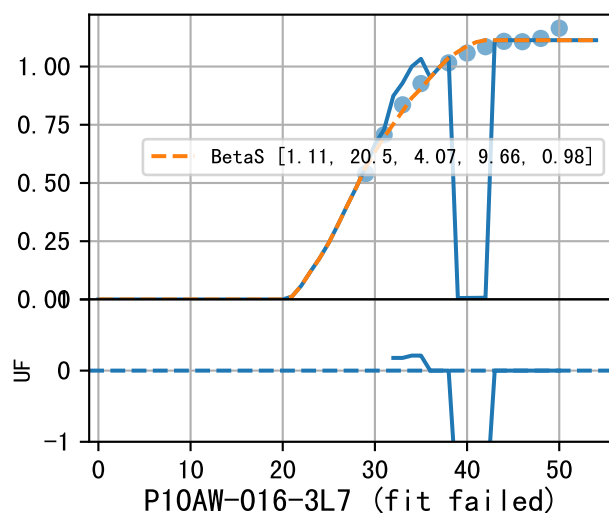
P10AW-003-11L17 (fit failed)



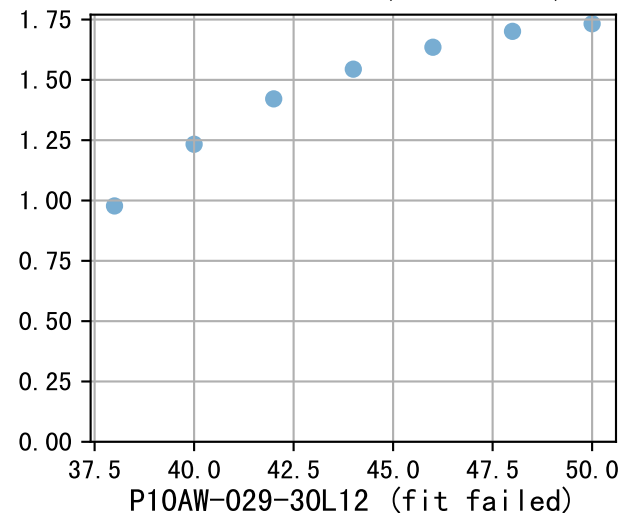
P10AW-003-11L6



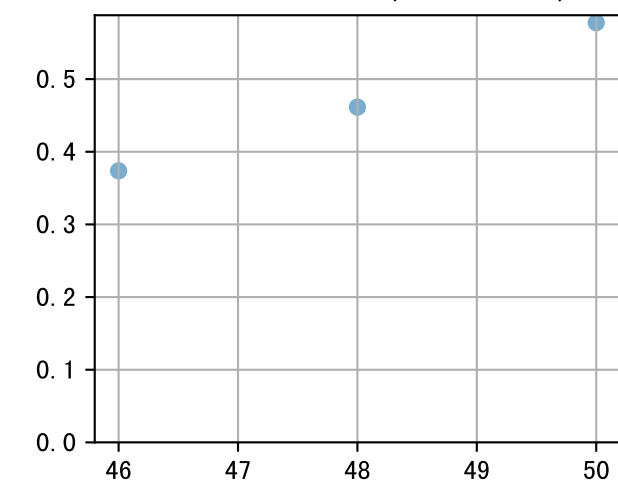
P10AW-016-3L10



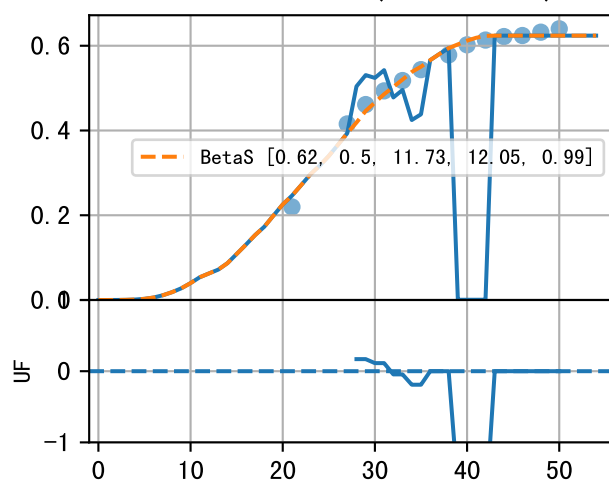
P10AW-016-3L13 (fit failed)



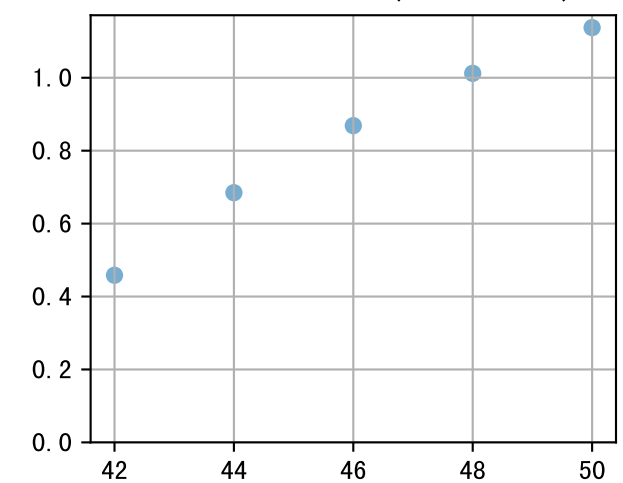
P10AW-016-3L16 (fit failed)



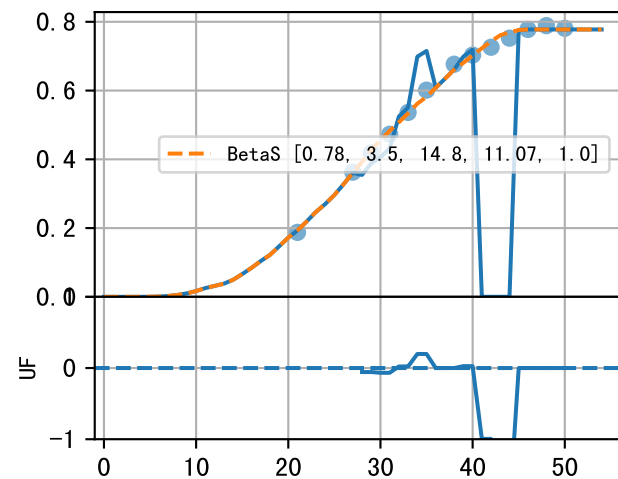
P10AW-016-3L7 (fit failed)



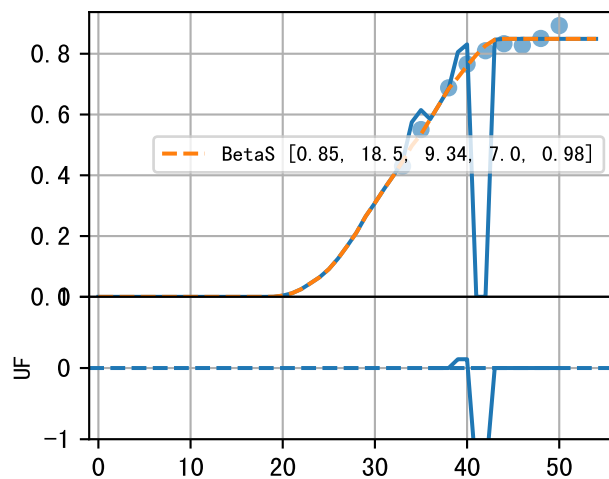
P10AW-029-30L12 (fit failed)



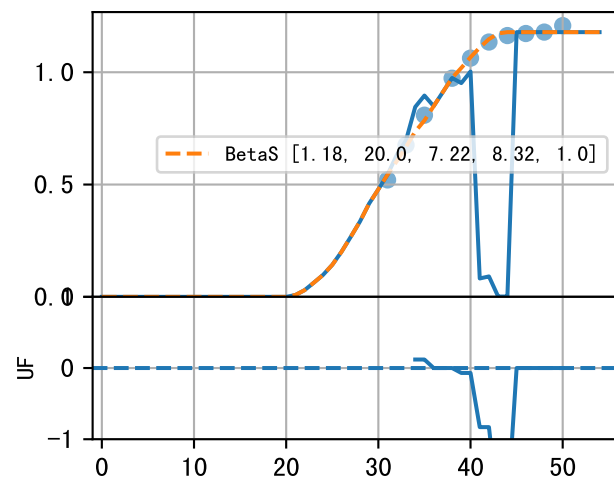
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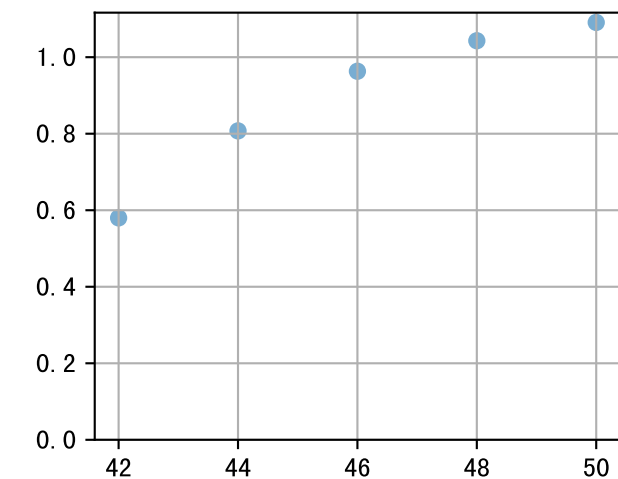
P10AW-029-30L9



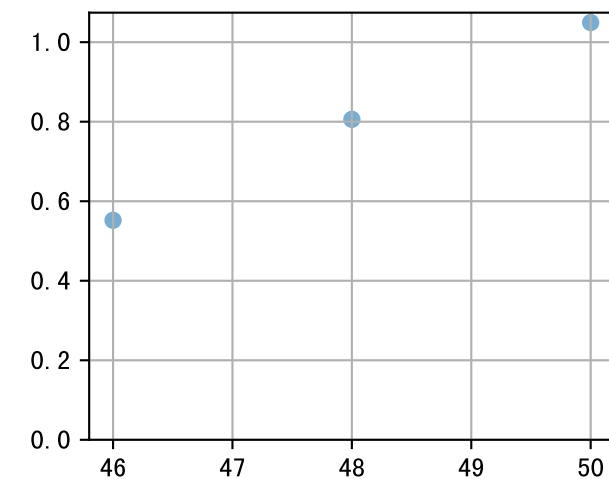
P10AW-041-24L10



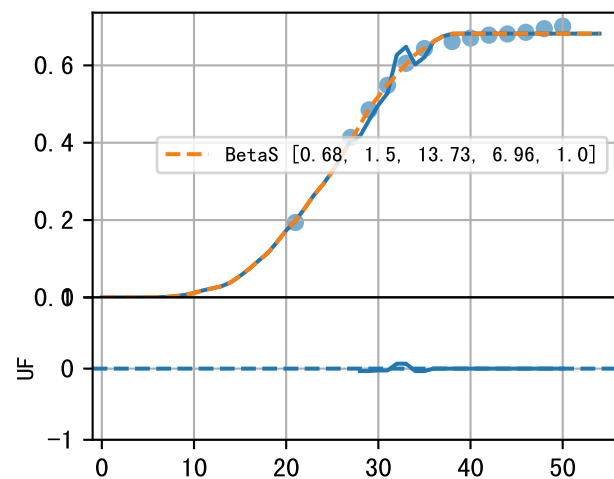
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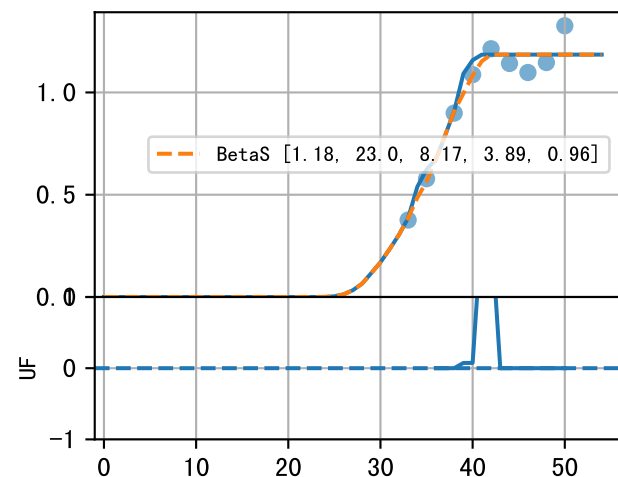
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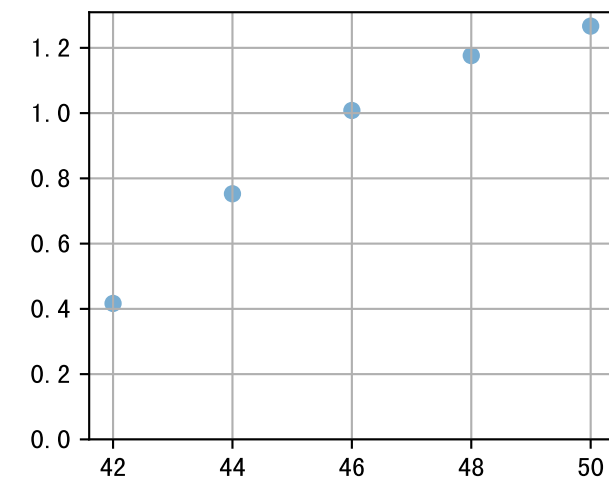
P10AW-041-24L7



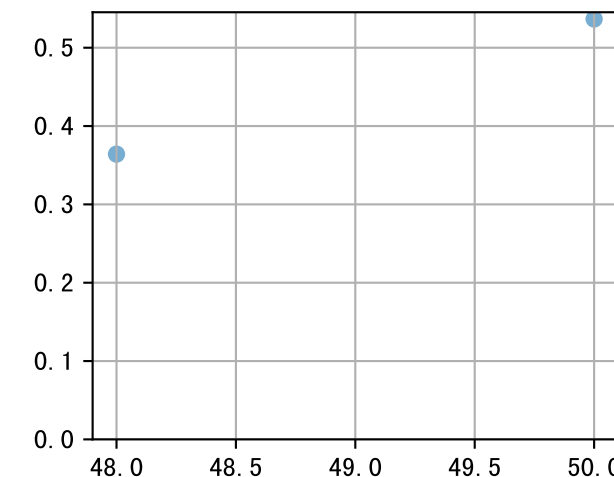
P10AW-054-10L10 (fit failed)



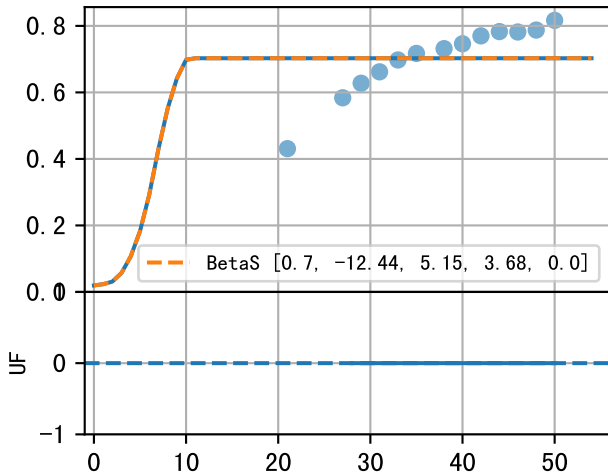
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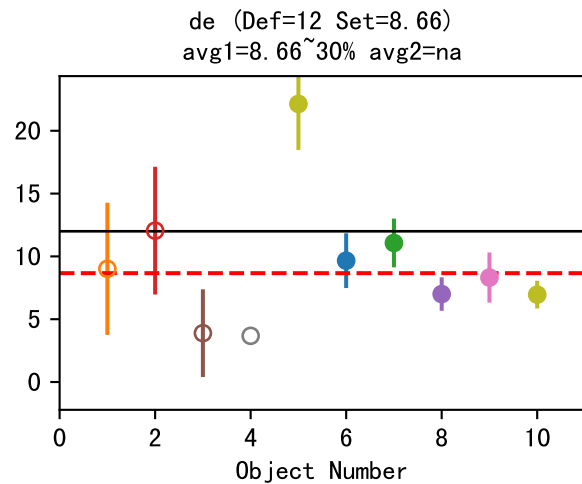
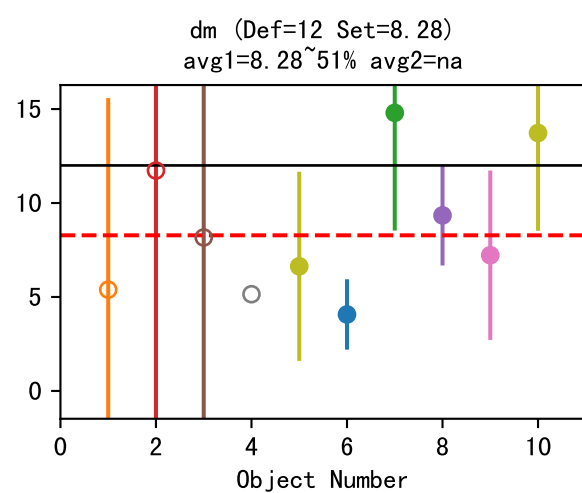
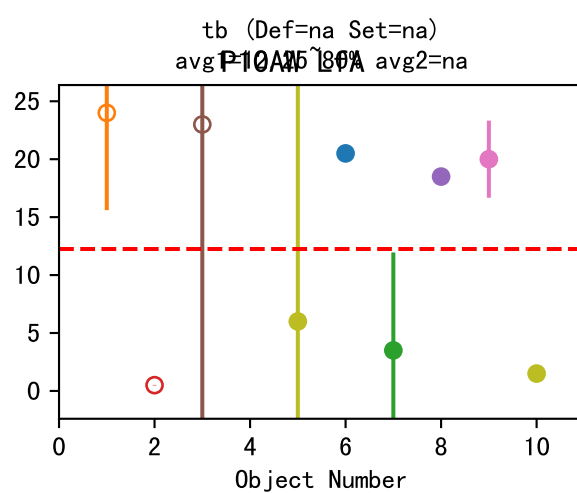
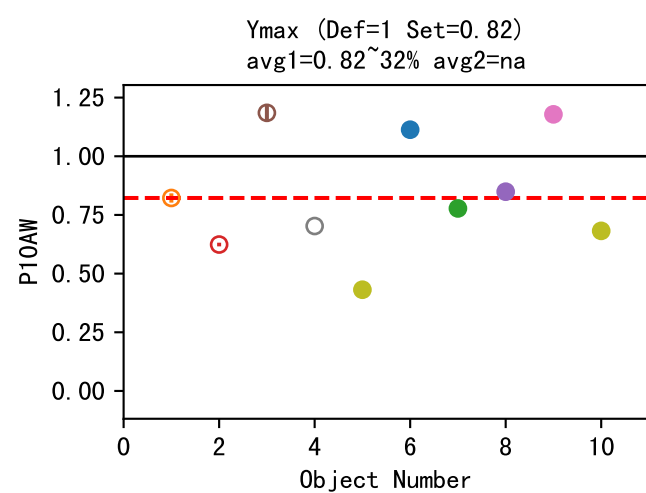


P10AW-054-10L17 (fit failed)

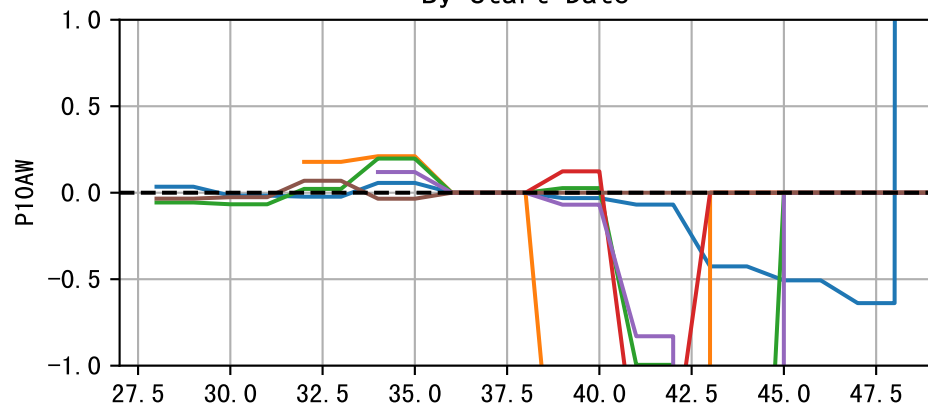


P10AW-054-10L6 (fit failed)

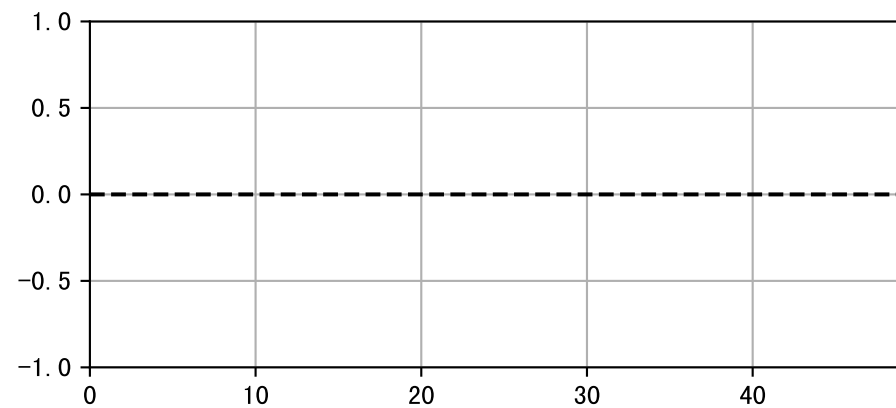
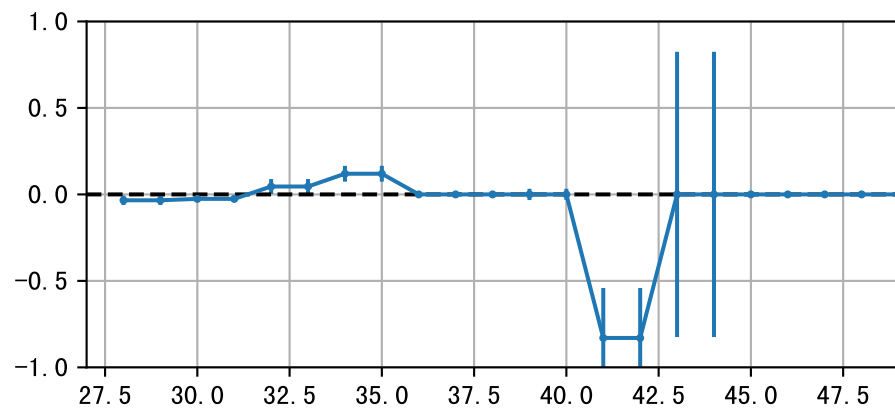
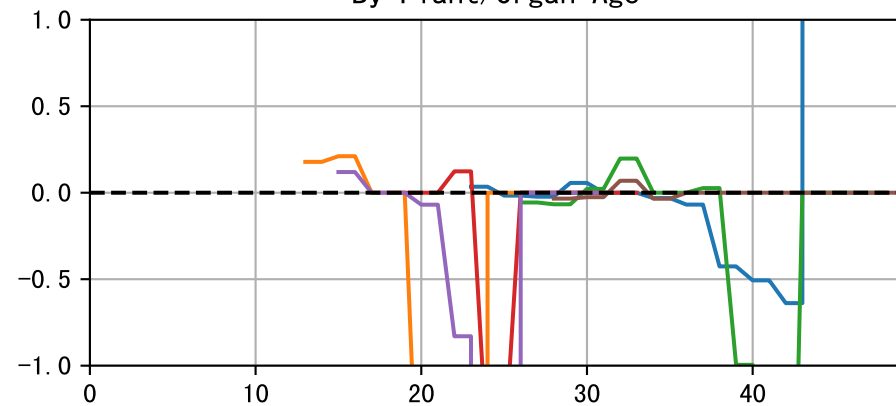


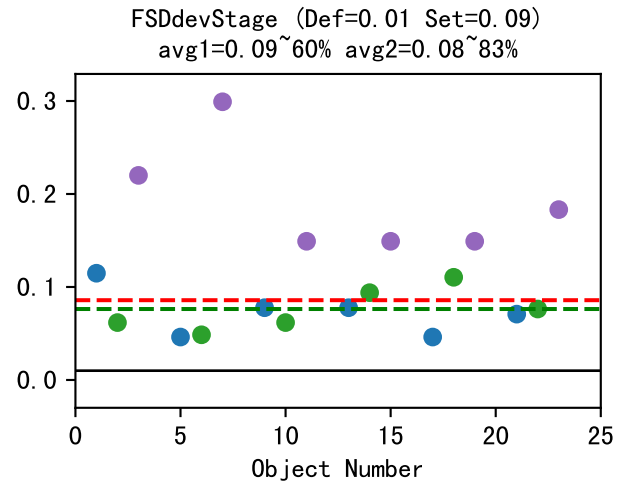
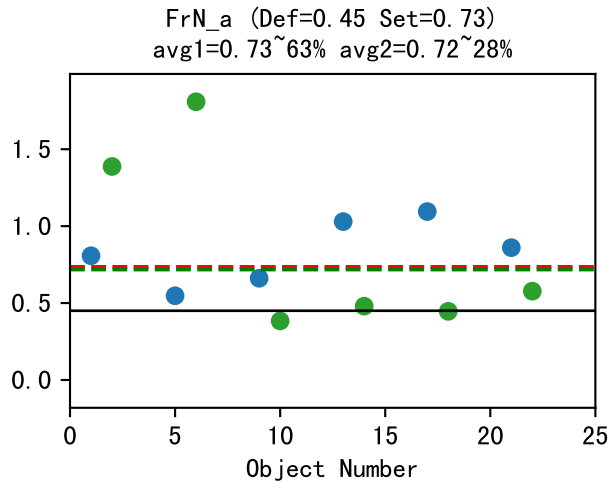
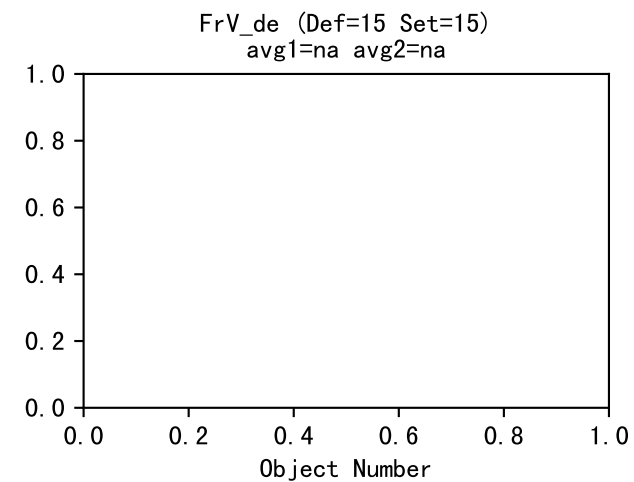
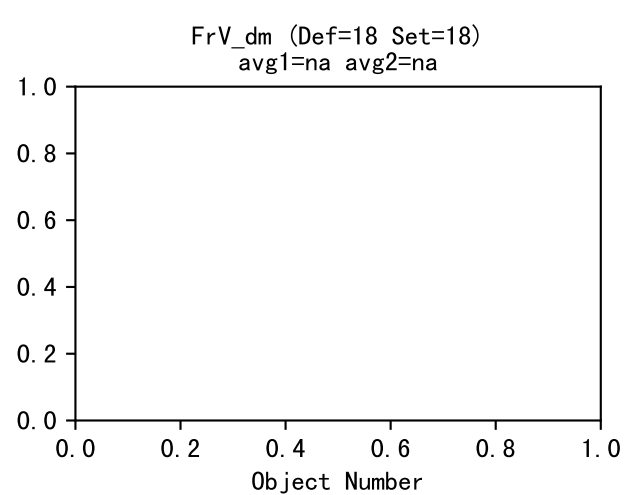
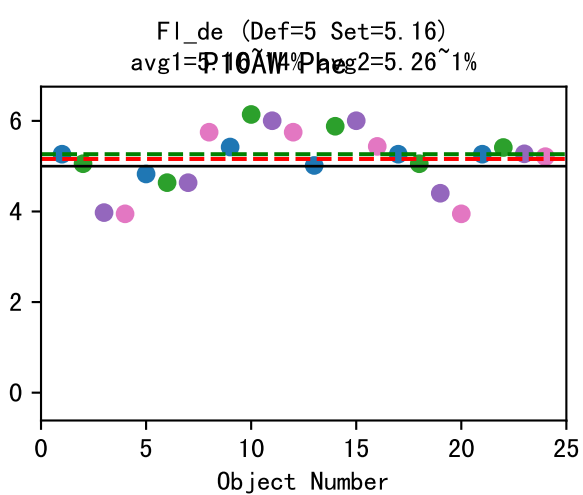
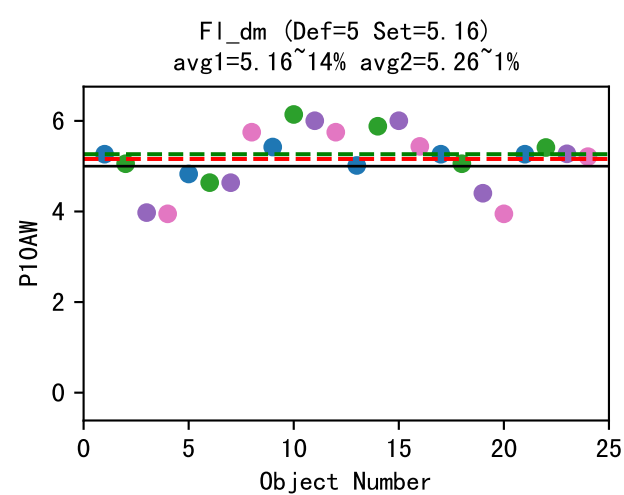


By Start Date

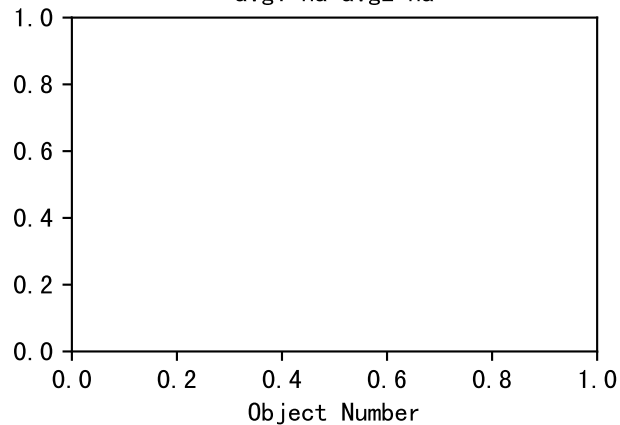


By Plant/Organ Age

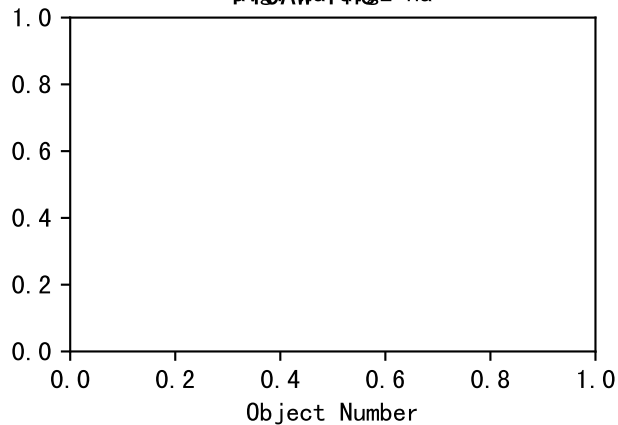




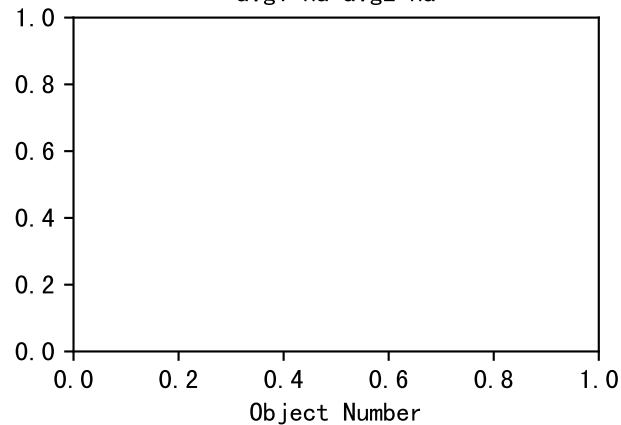
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



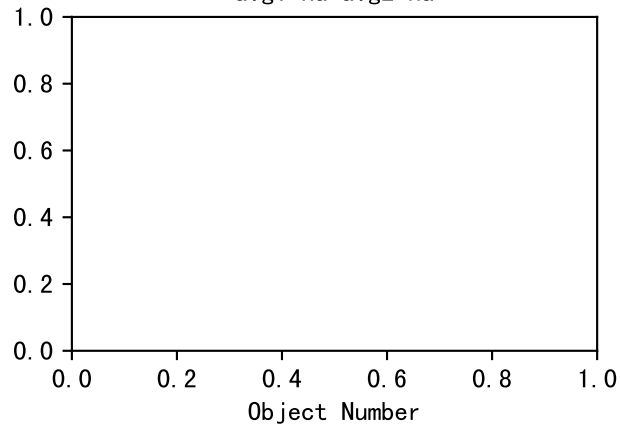
FMBDevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



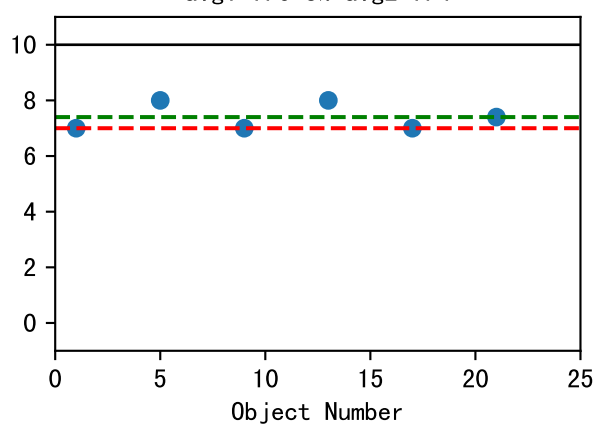
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

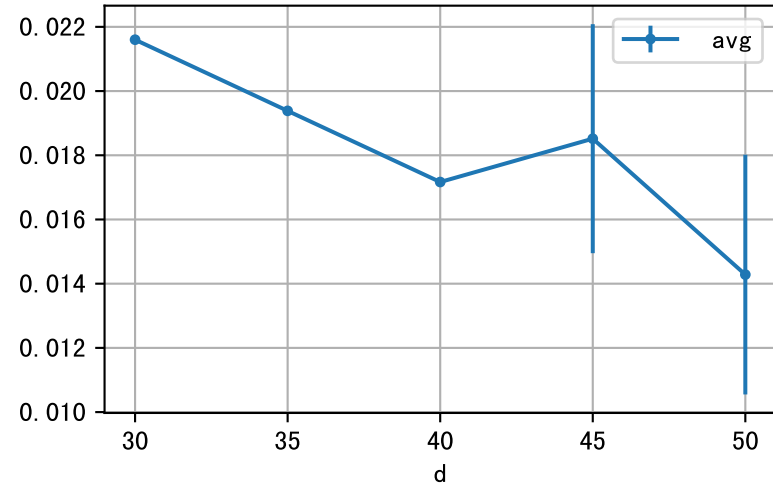


NNgen (Def=10 Set=7)
avg1=7.0~8% avg2=7.4

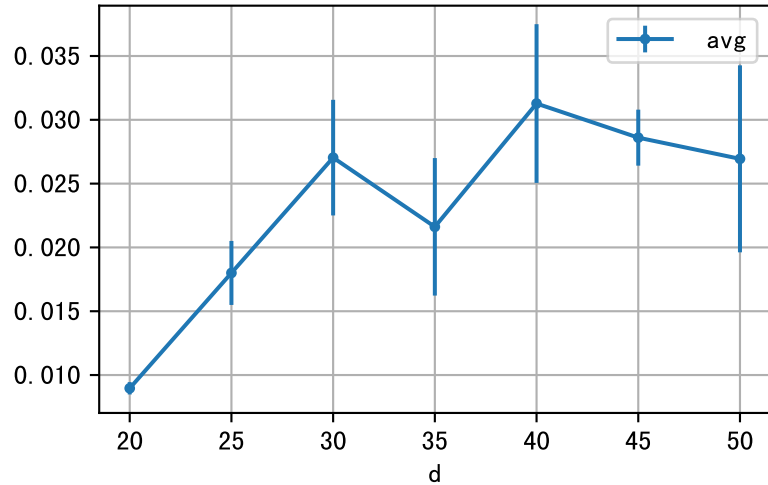


LfA: avg vs. d at each age group

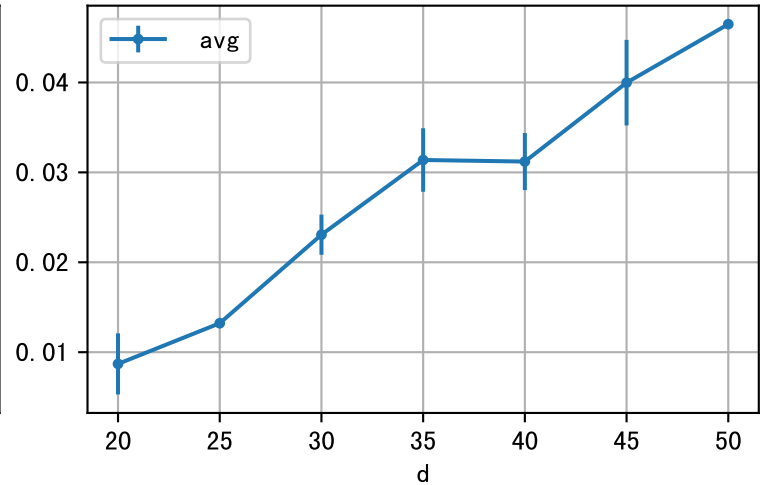
age=15



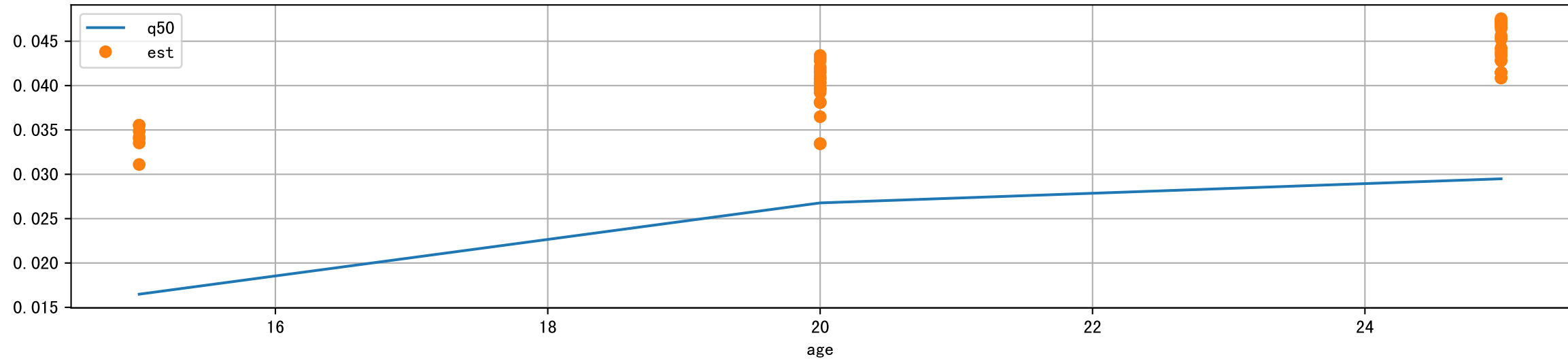
age=20



age=25

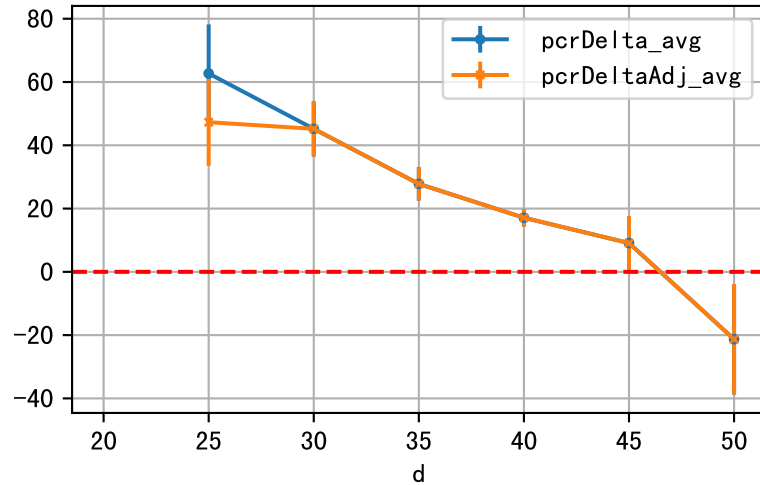


LfA: model est vs obs0v@Q50

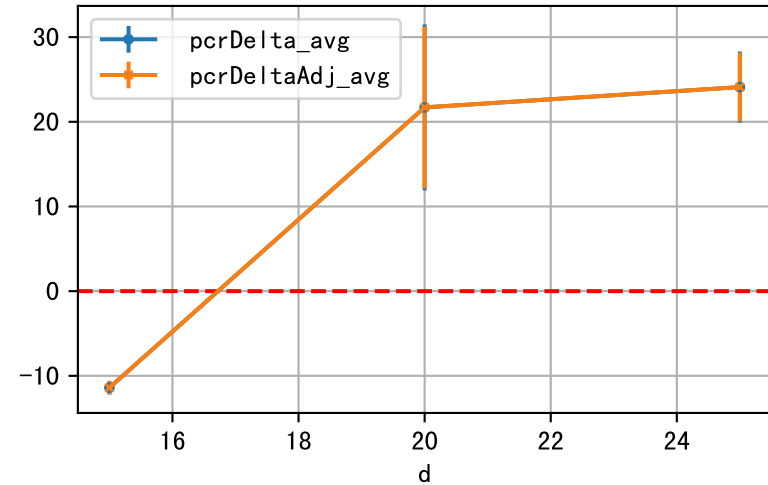


P10AW LfA: D_5d_LfA

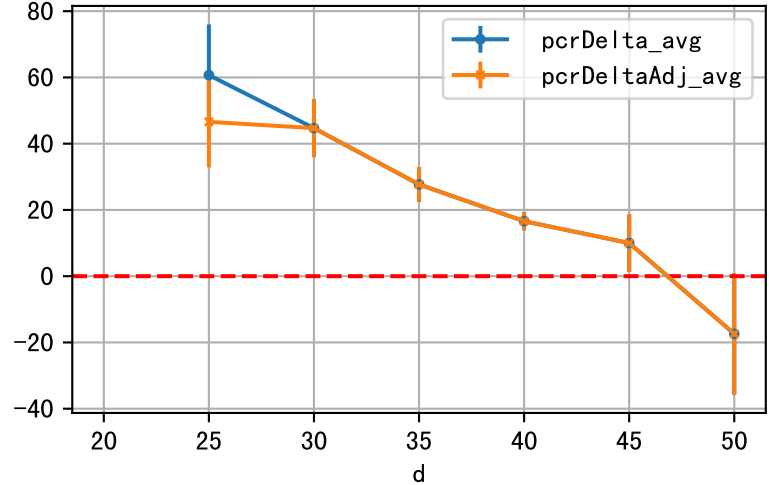
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

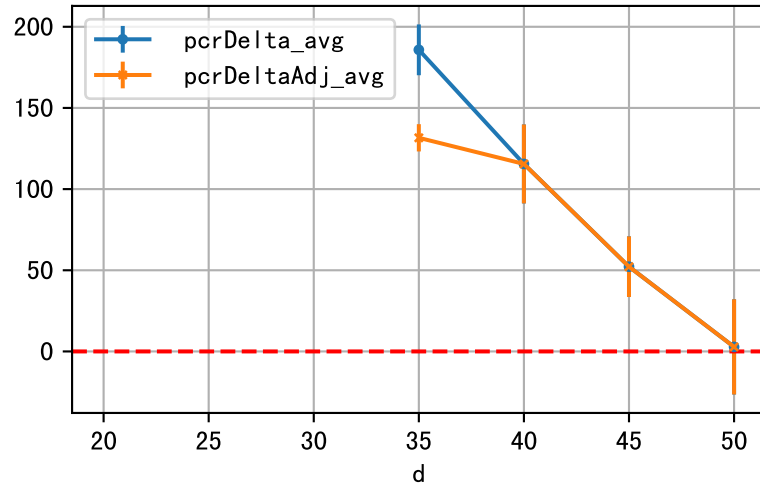
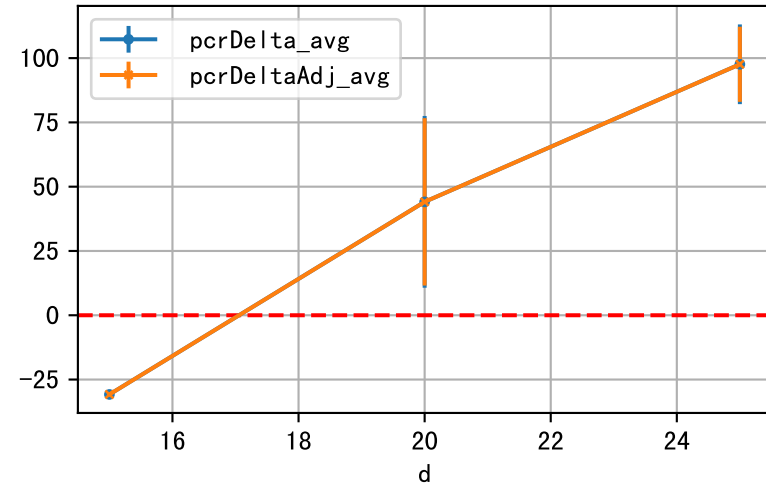


DeltaTypeAbbr=Wei AvgByD

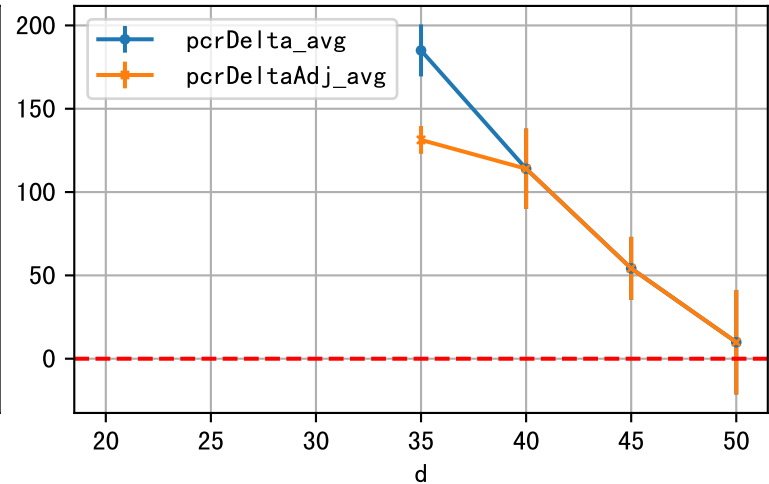


P10AW LfA: D_15d_LfA

DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

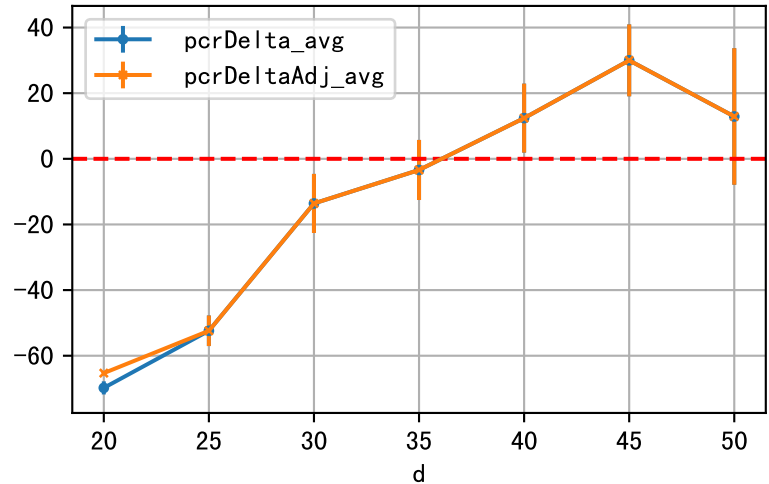
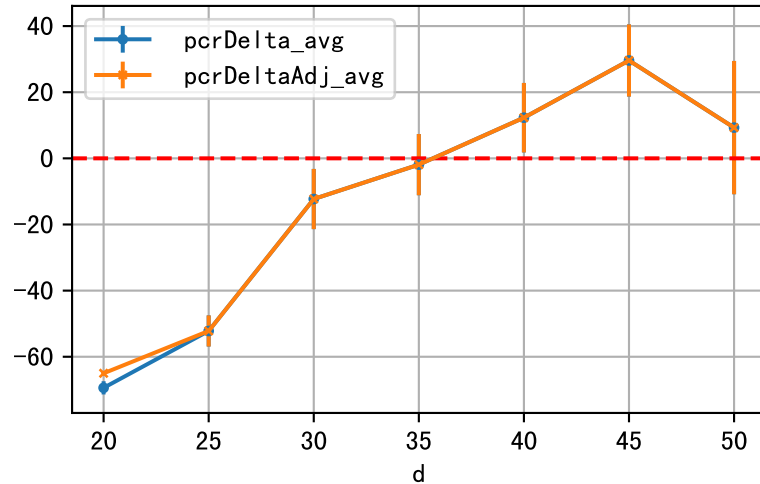
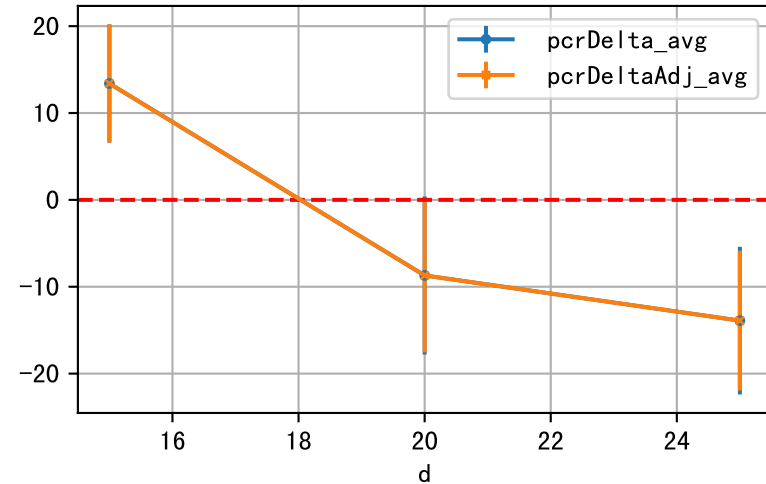


P10AW LfA: D_Q50_LfA

DeltaTypeAbbr=GrpByAge

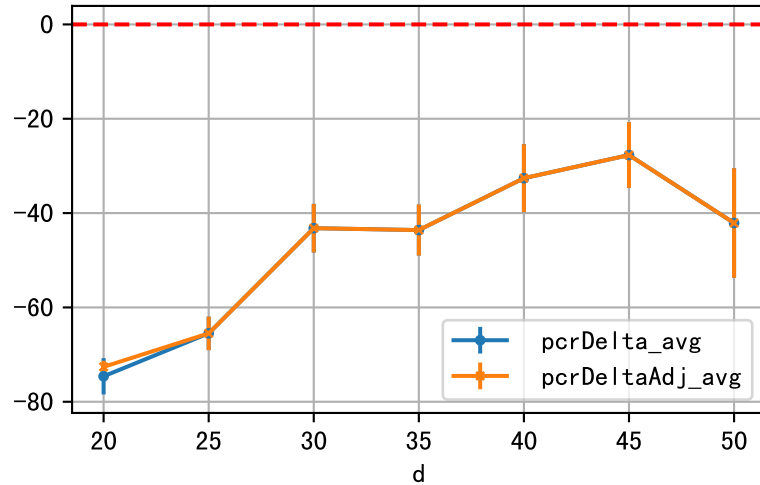
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

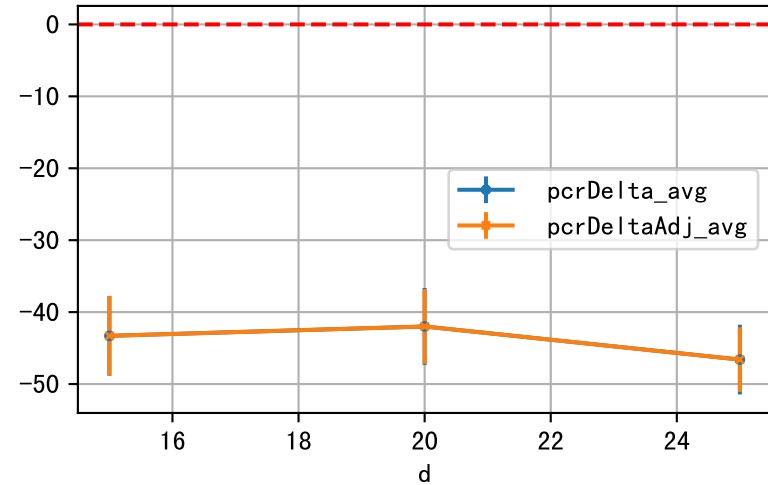


P10AW LfA: D_Est_LfA

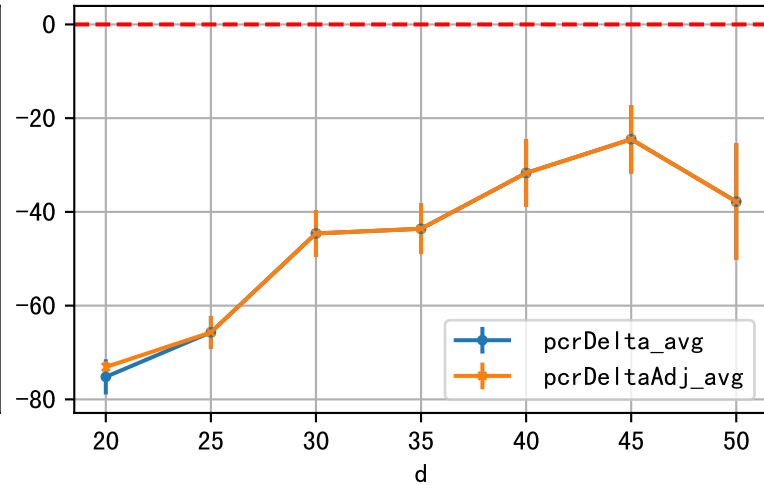
DeltaTypeAbbr=GrpByDay



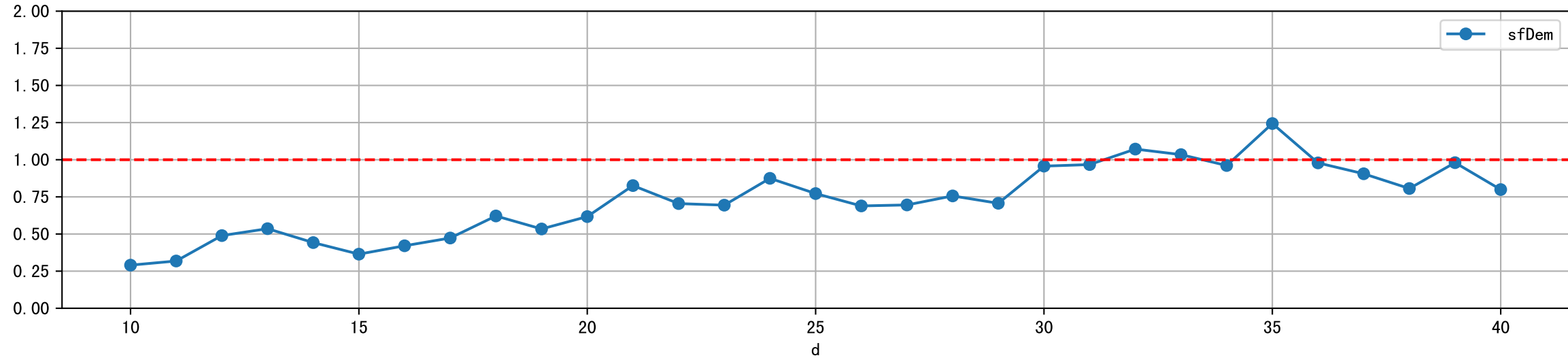
DeltaTypeAbbr=GrpByAge

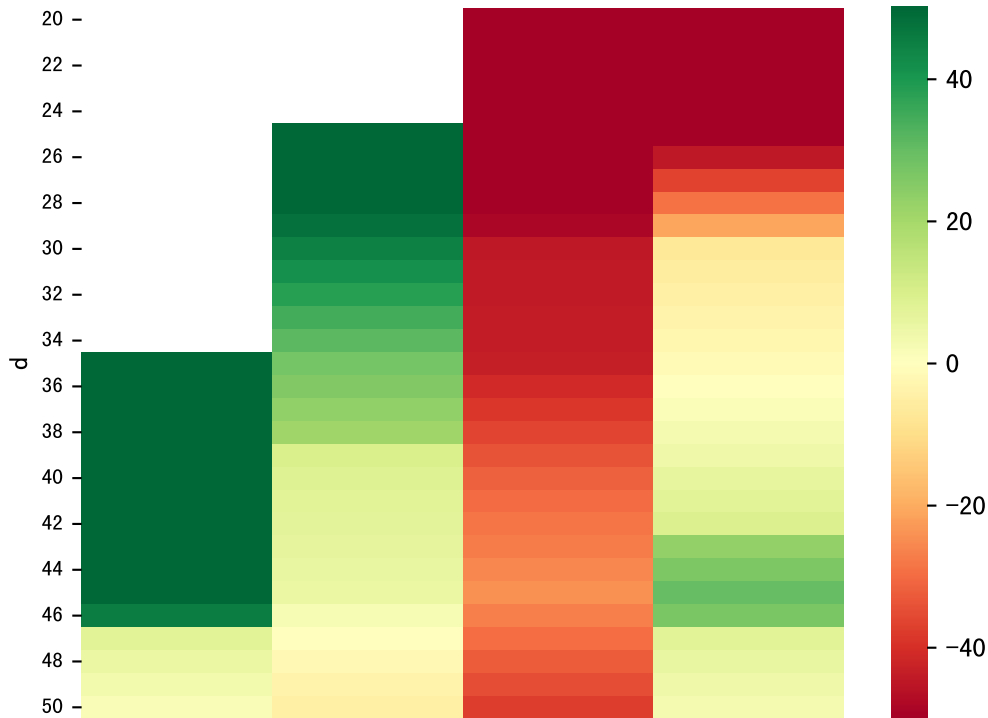


DeltaTypeAbbr=Wei AvgByD



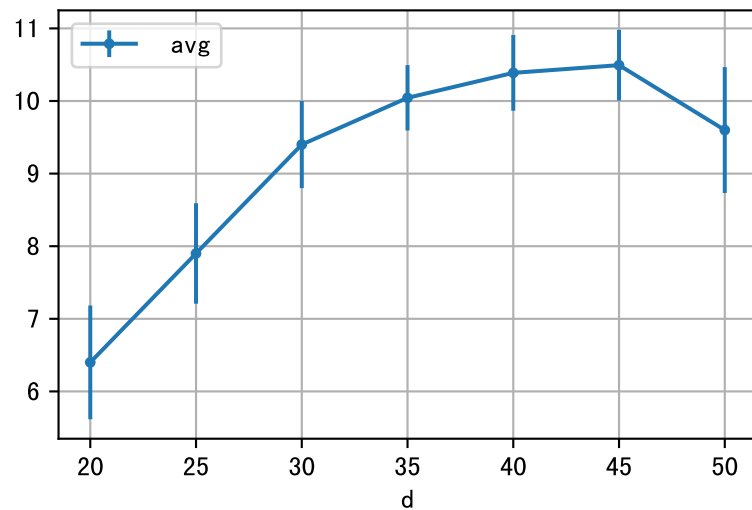
LfA: sfDem



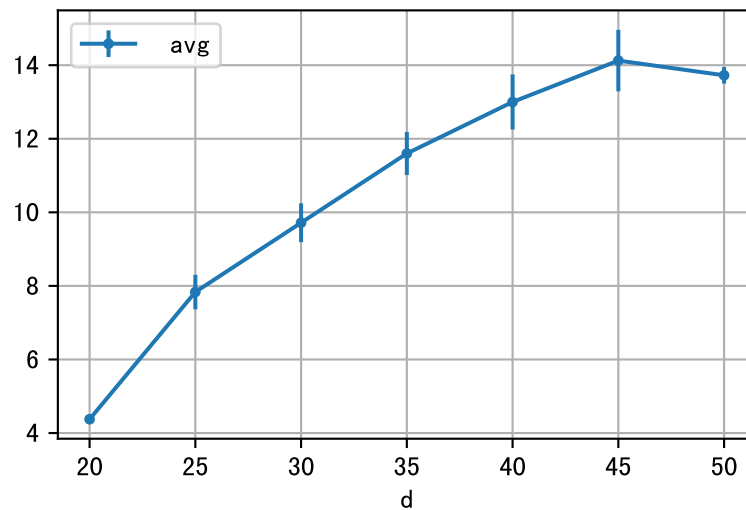


NdD: avg vs. d at each age group

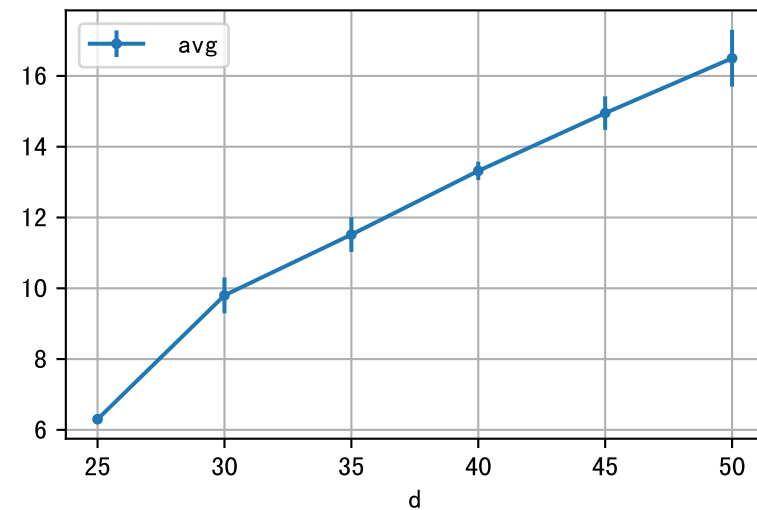
age=15



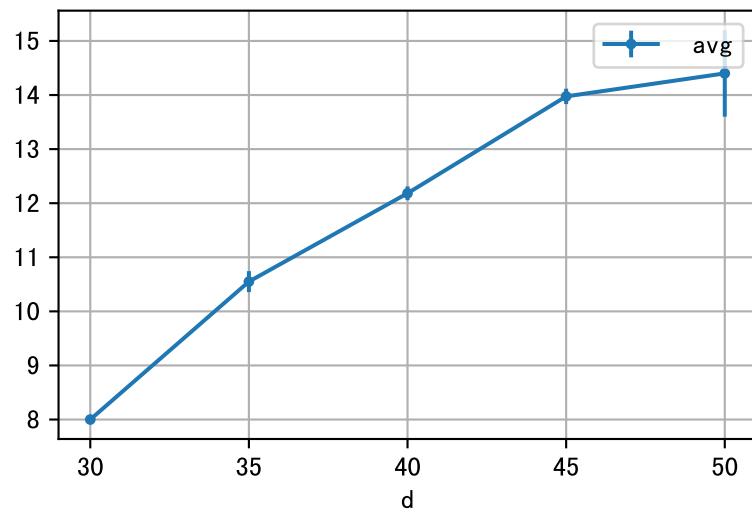
age=20



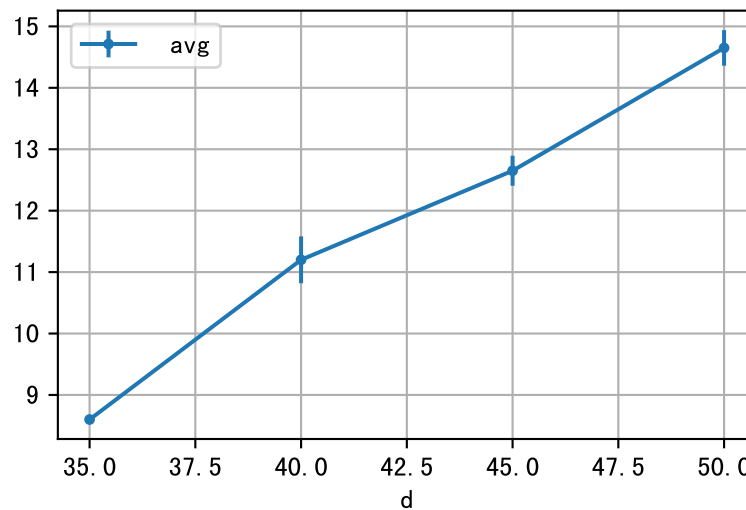
age=25



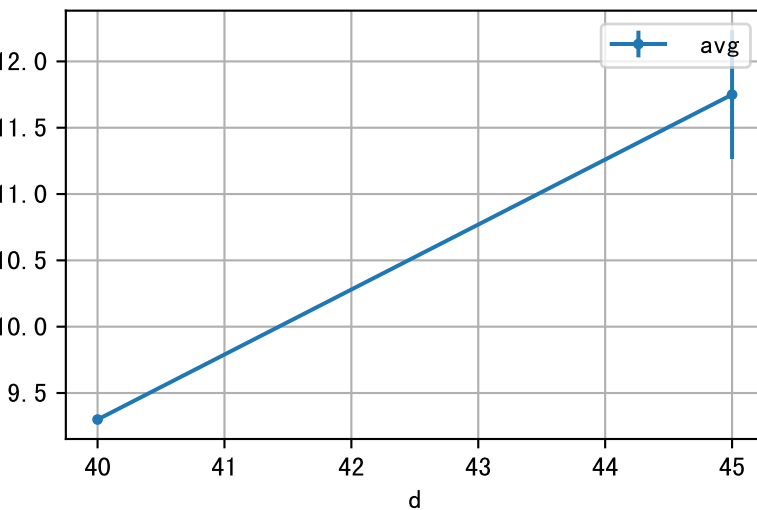
age=30



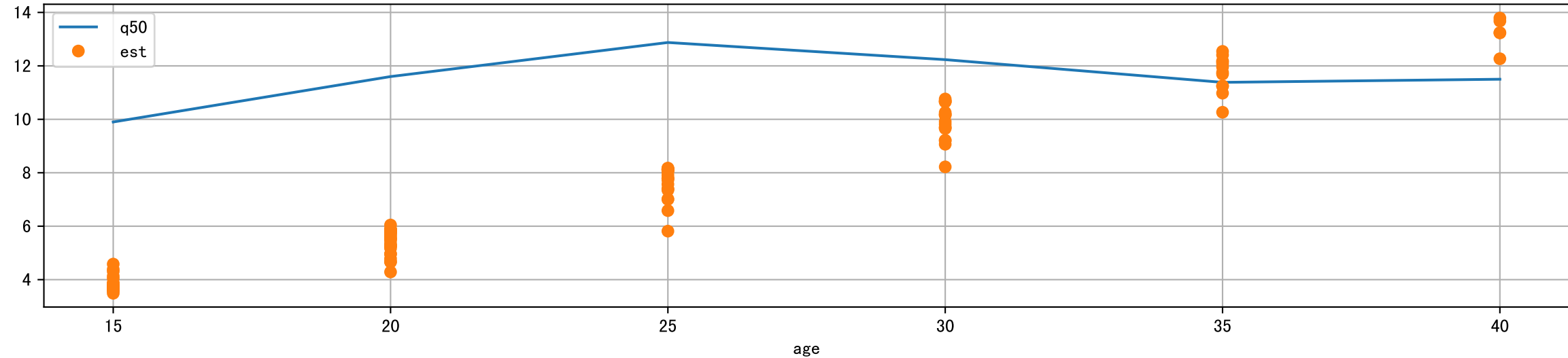
age=35



age=40

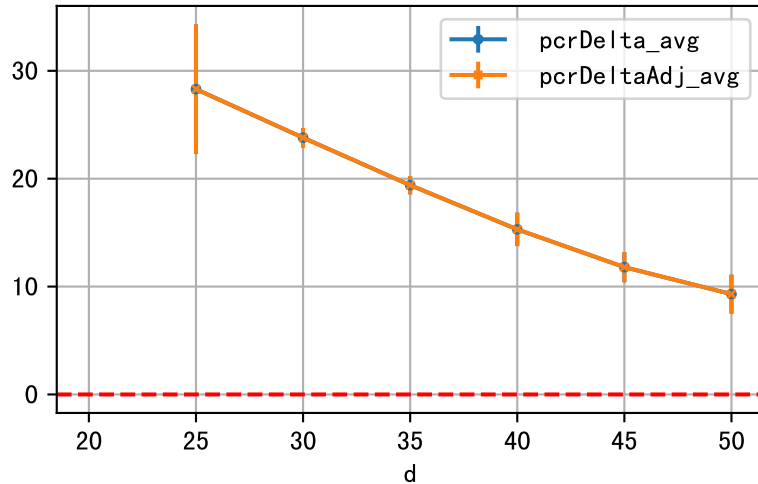


NdD: model est vs obs0v@Q50

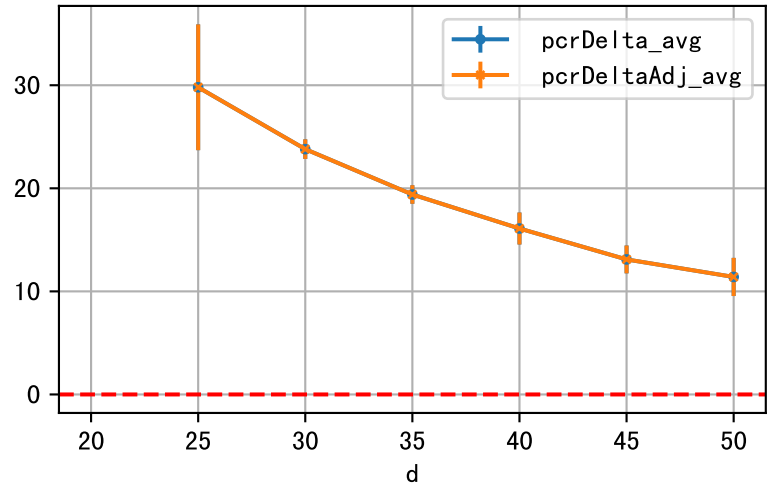


P10AW NdD: D_5d_NdD

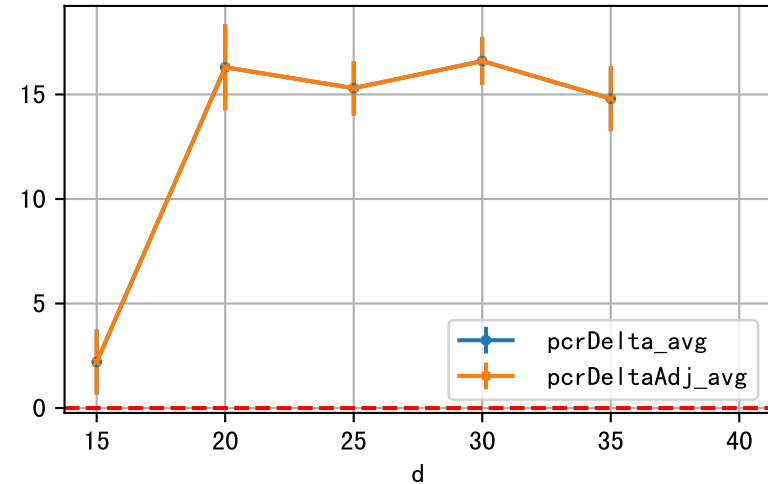
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

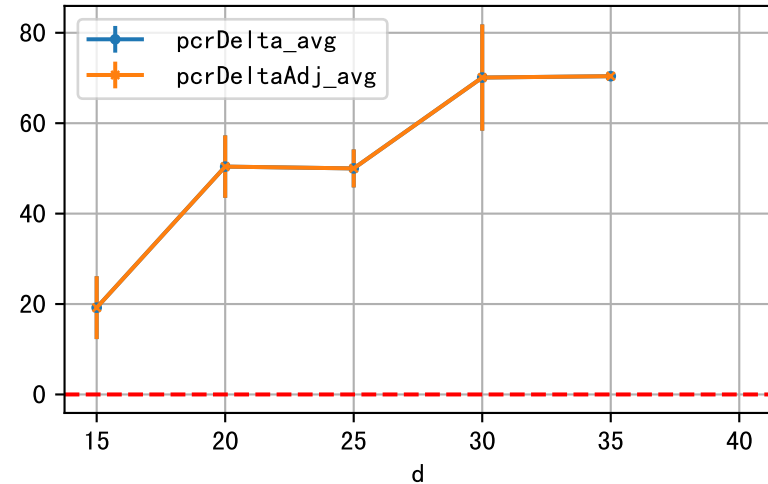


DeltaTypeAbbr=GrpByAge

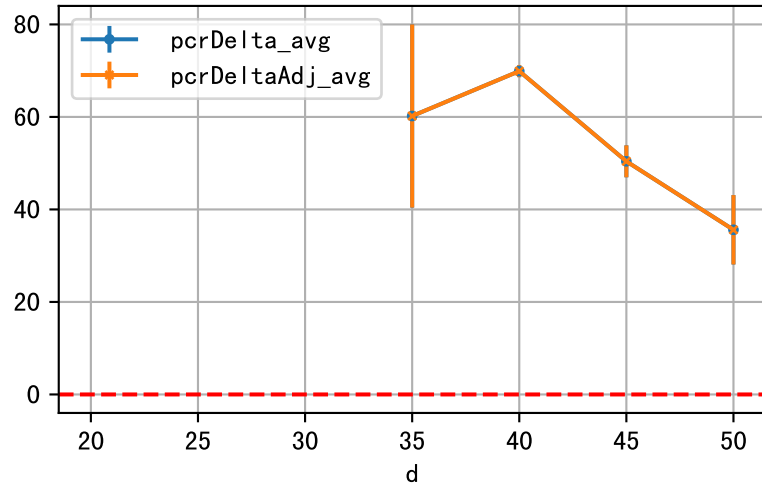


P10AW NdD: D_15d_NdD

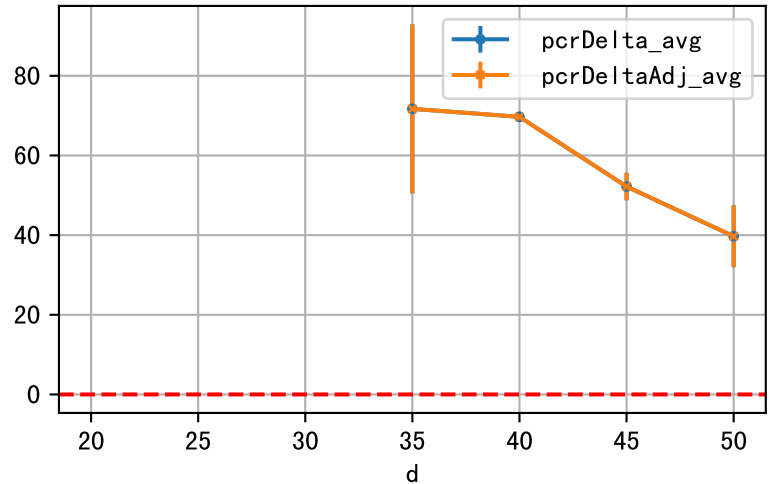
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

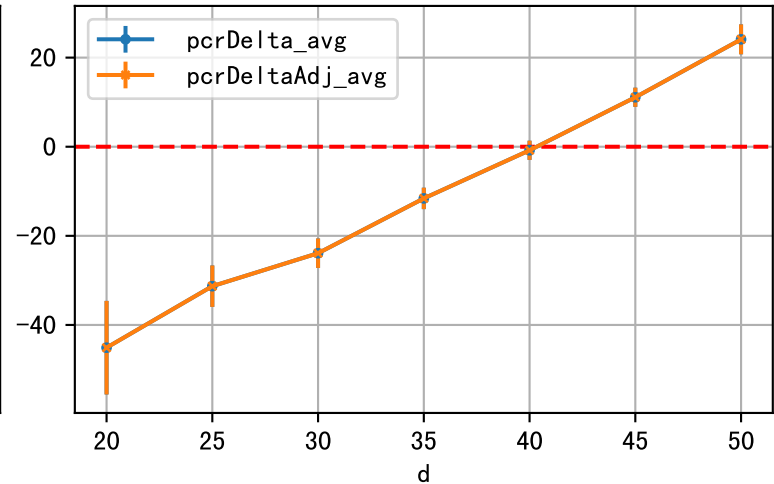
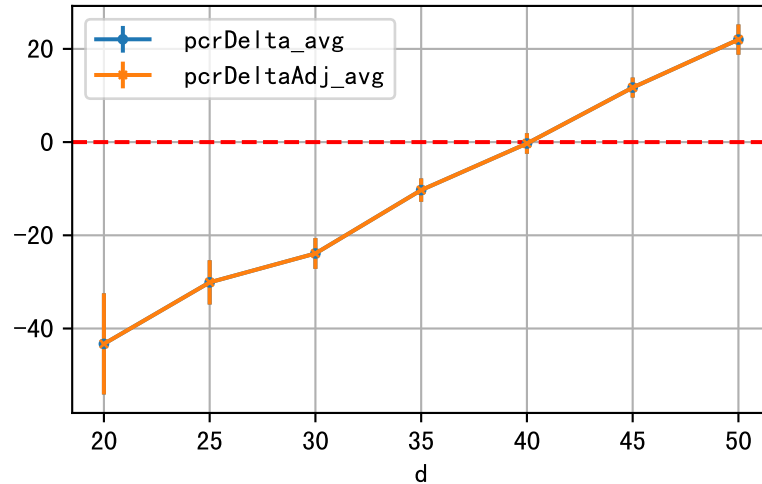
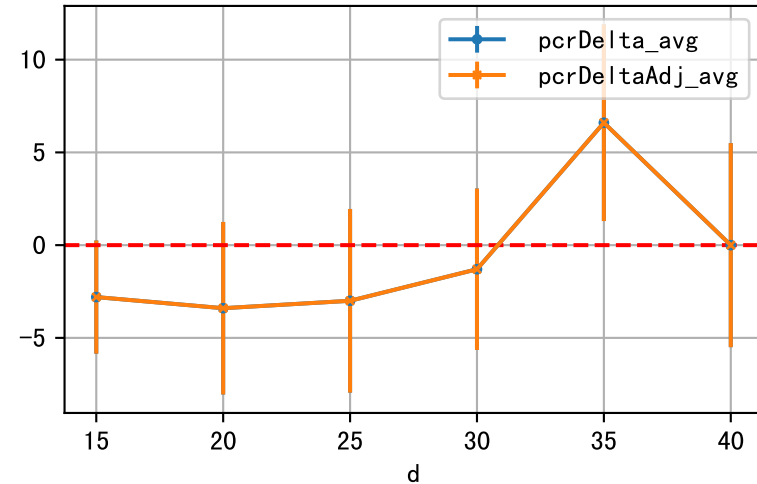


P10AW NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

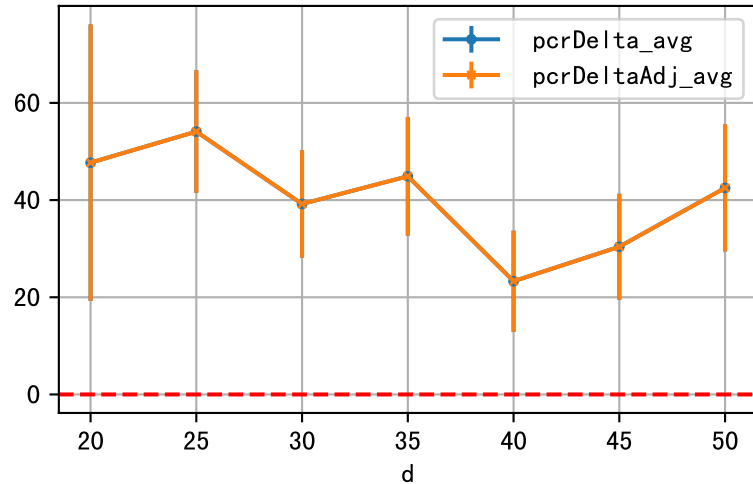
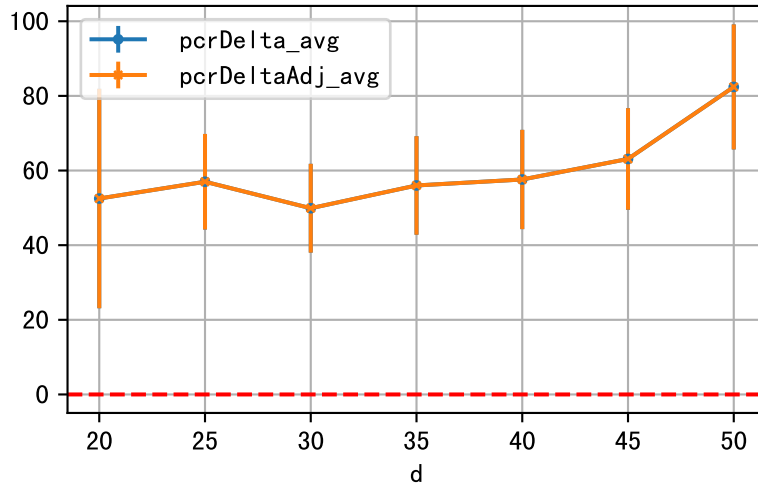
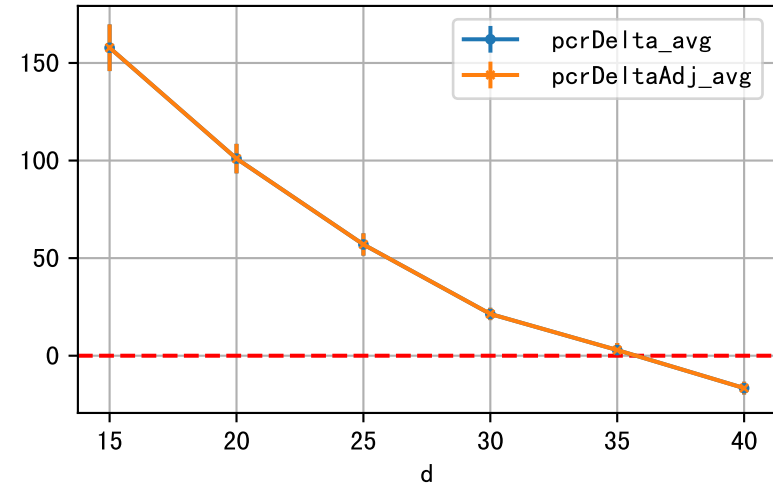


P10AW NdD: D_Est_NdD

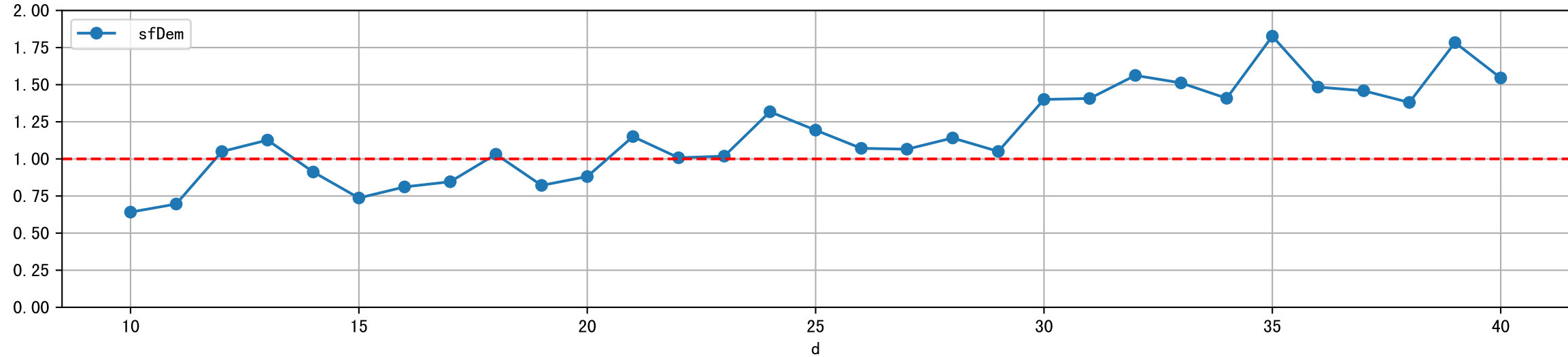
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

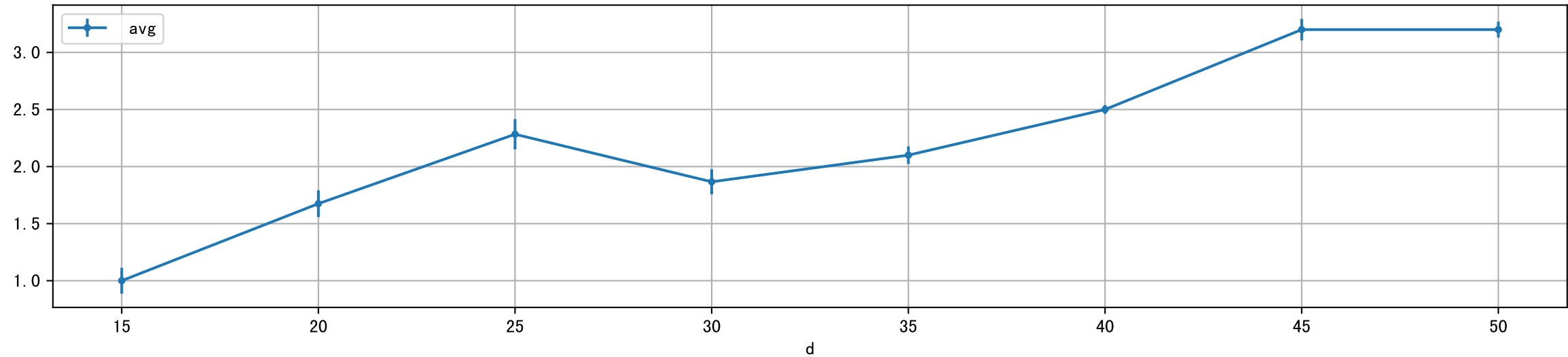


NdD: sfDem

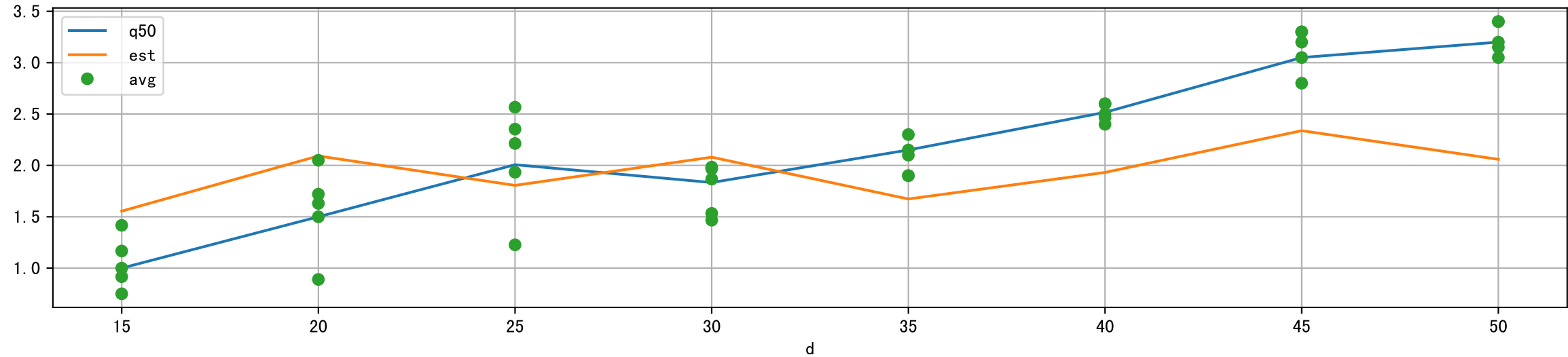




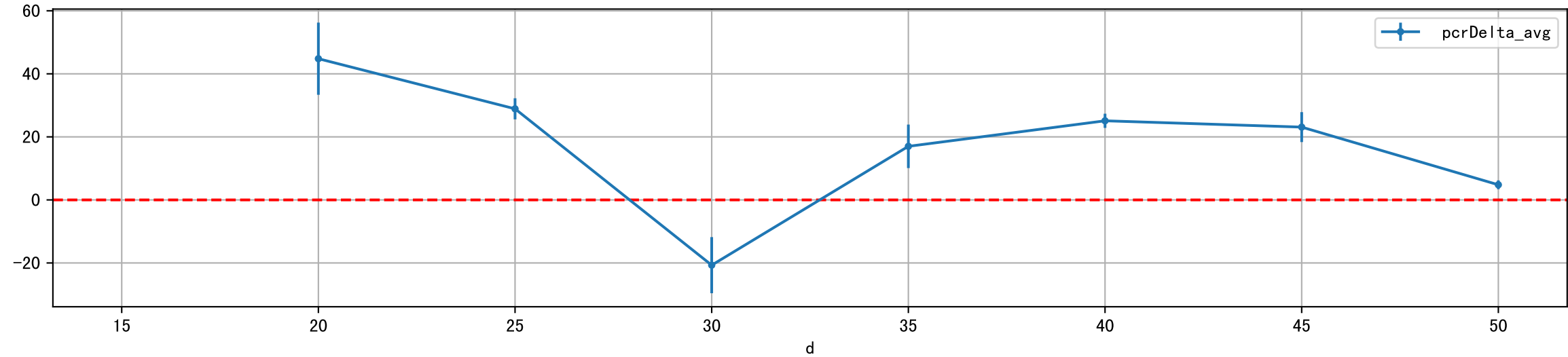
dStH: avg vs. d



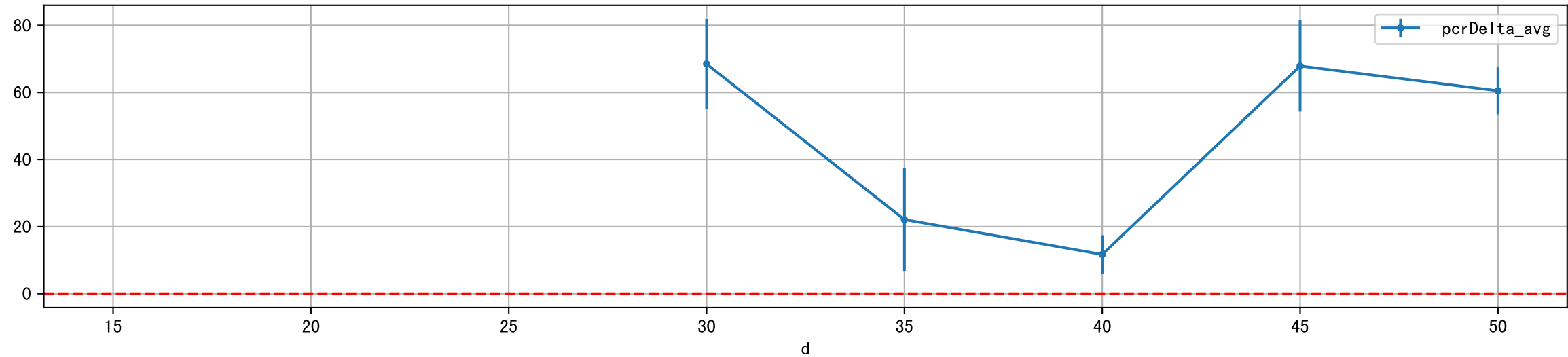
dStH: obsAvg vs obs0v@Q50



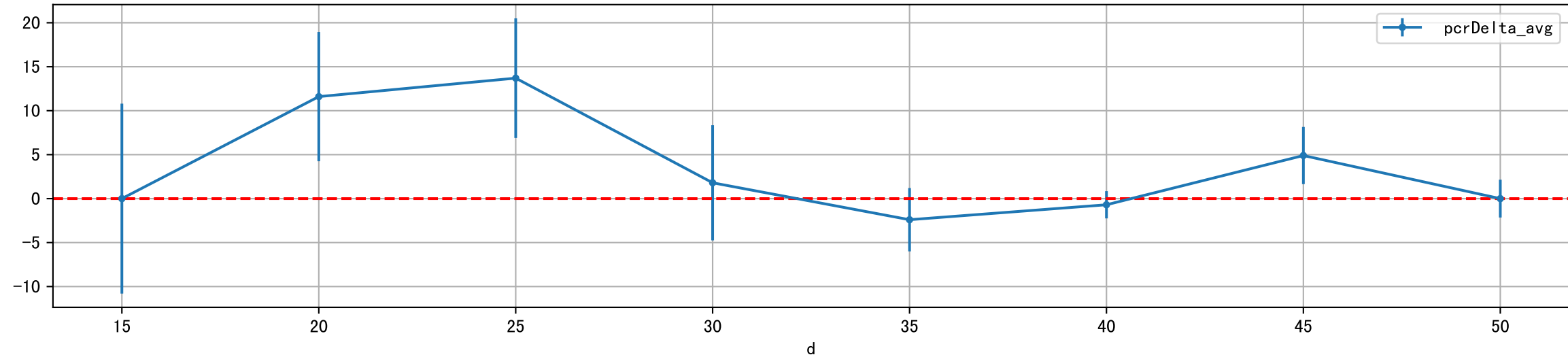
dStH: D_5d_StH



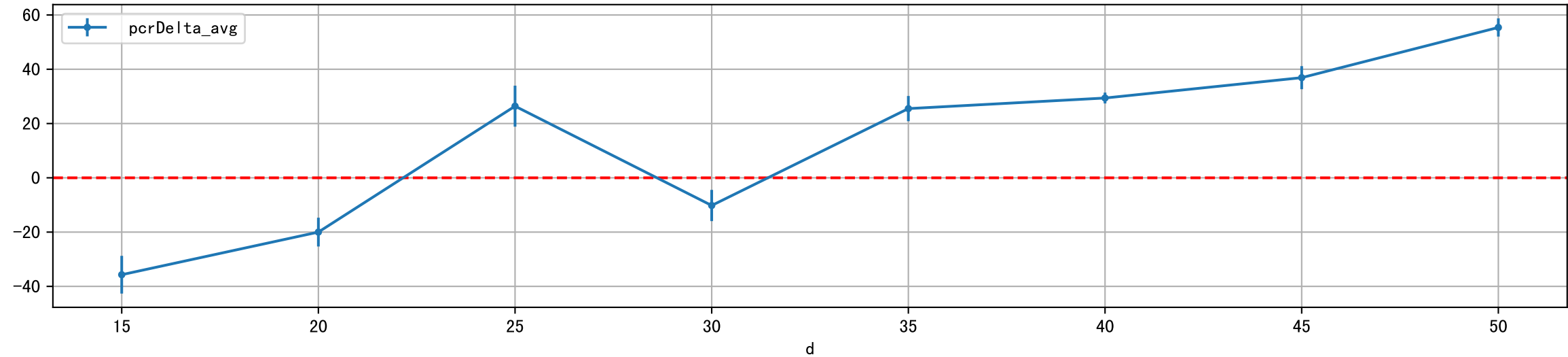
dStH: D_15d_StH



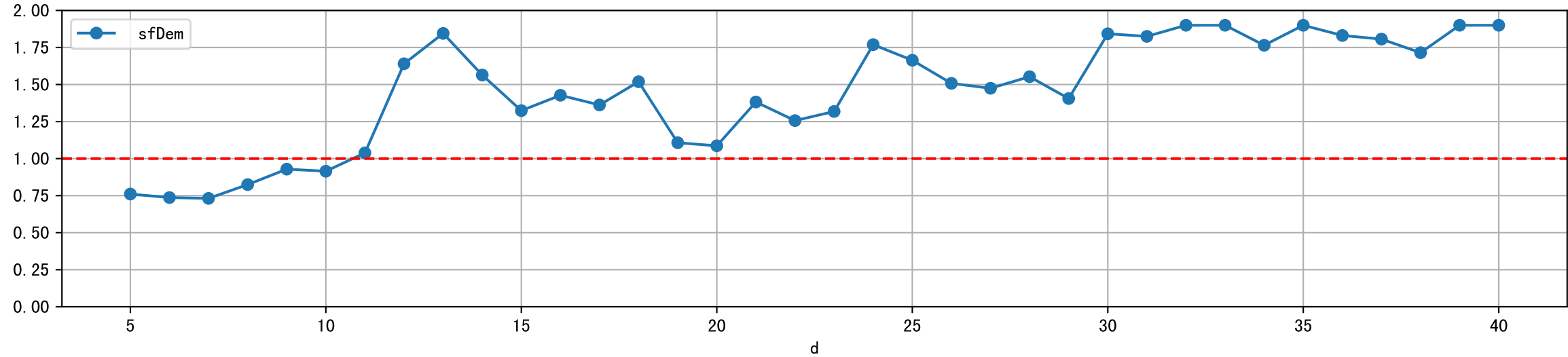
dStH: D_Q50_StH



dStH: D_Est_StH



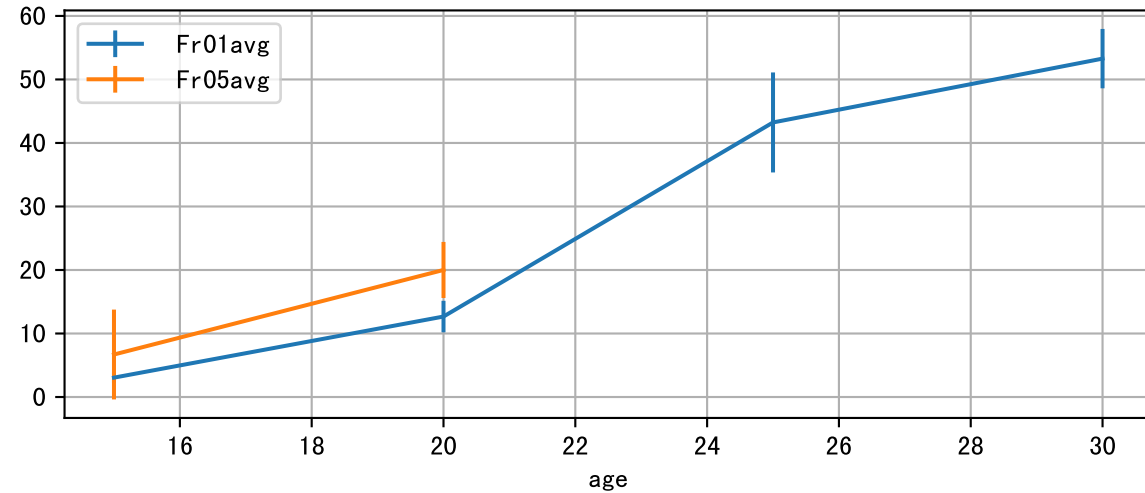
dStH: sfDem



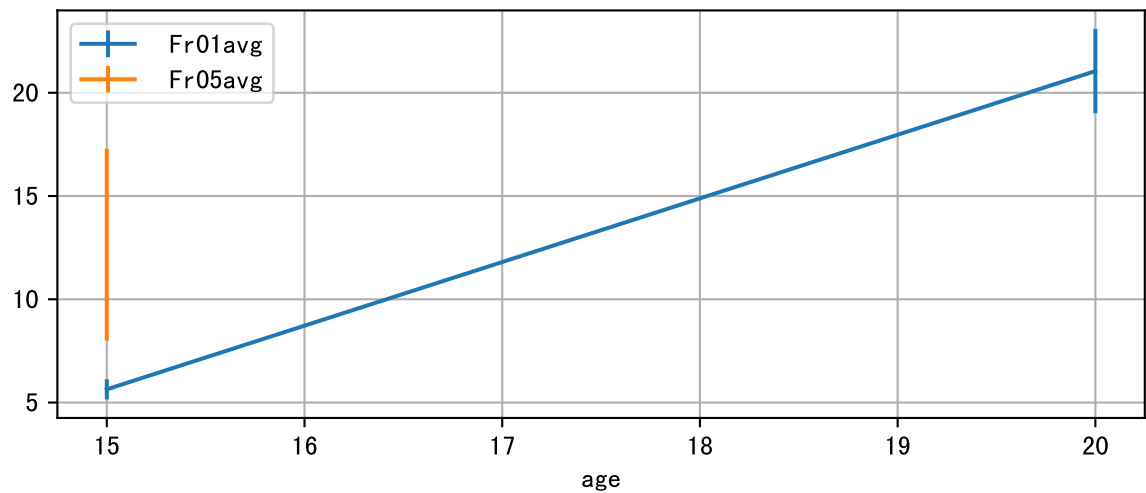


FrV: Fr01 vs Fr05 at each truss

organID=T01

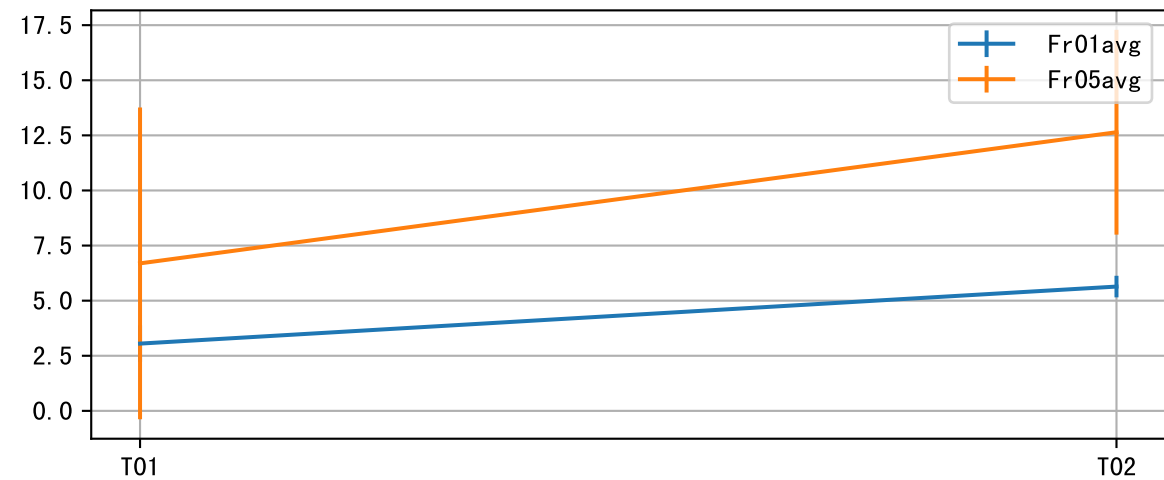


organID=T02

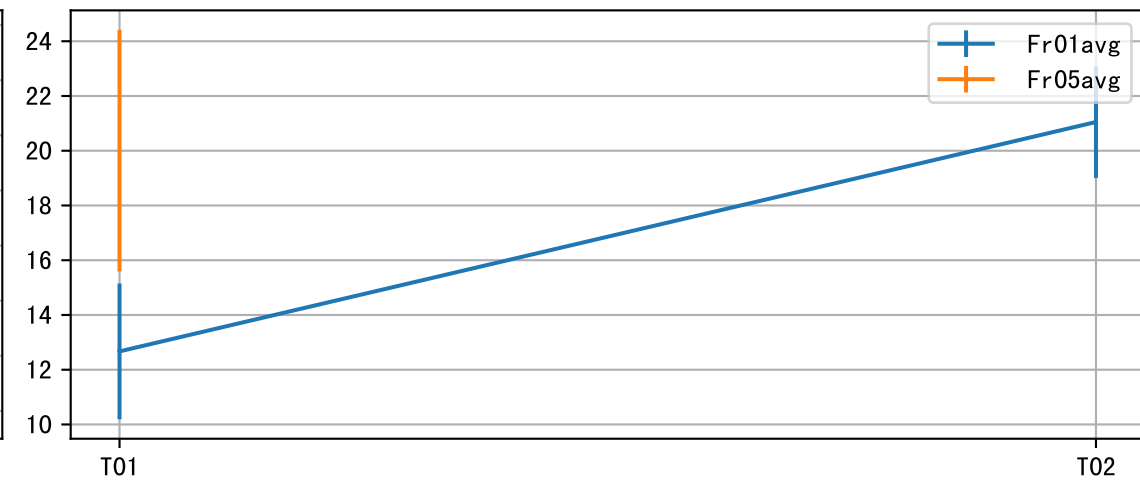
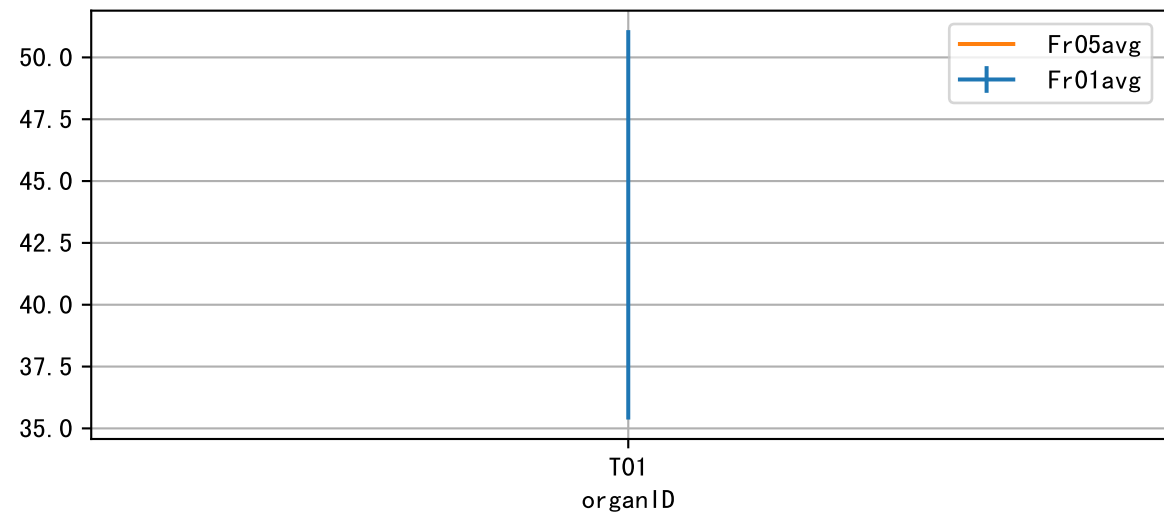
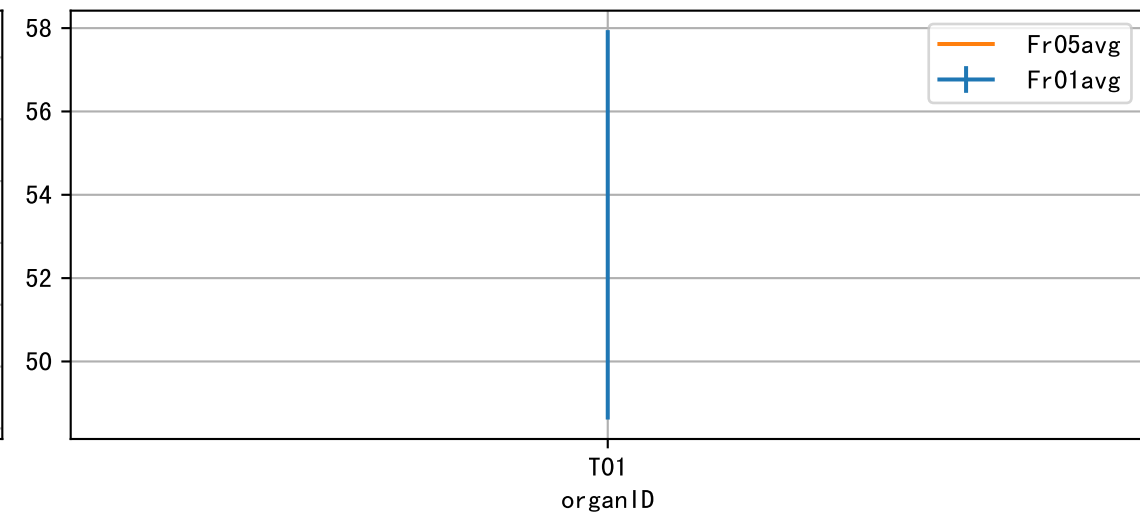


FrV trend at each age

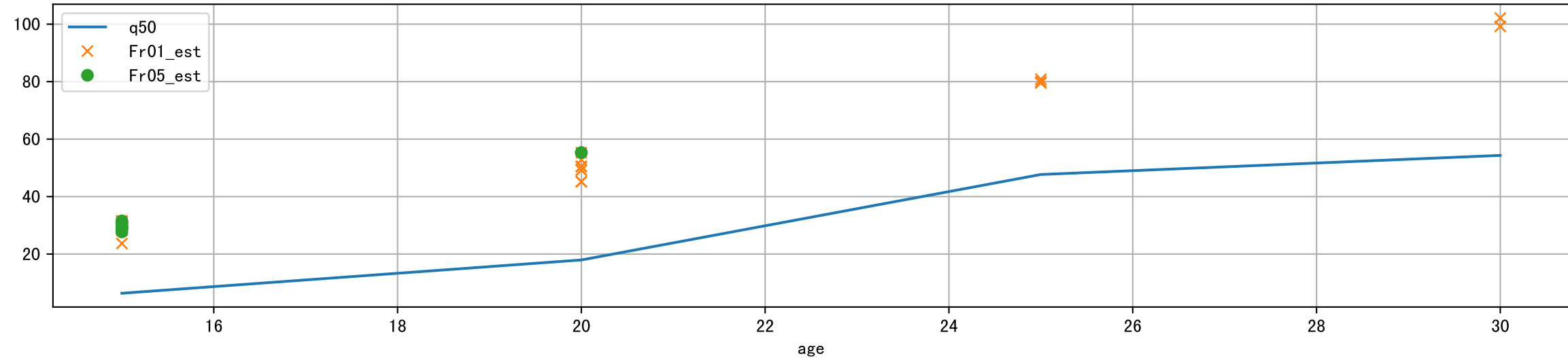
age=15



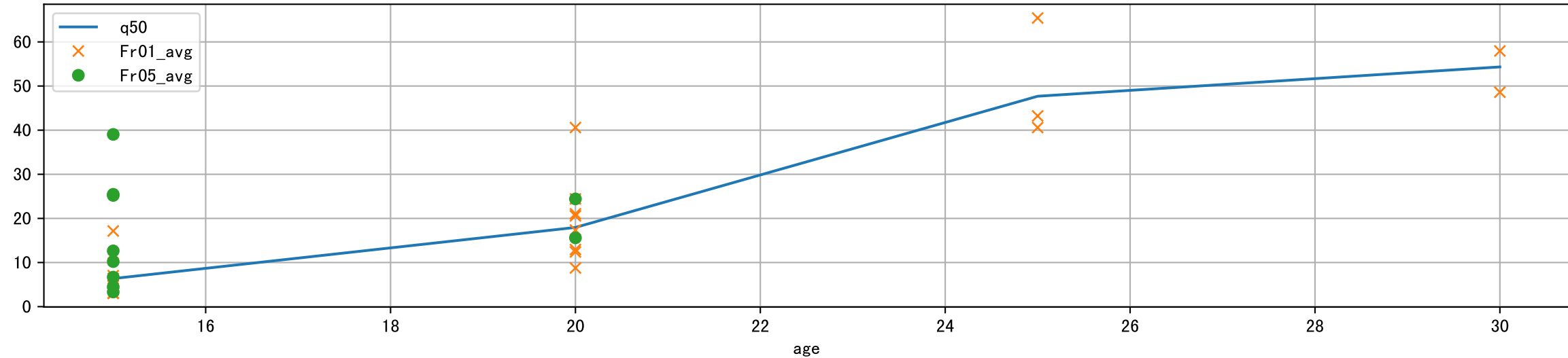
age=20

organID
age=25organID
age=30

FrV: model Est vs obsFrV at Q90

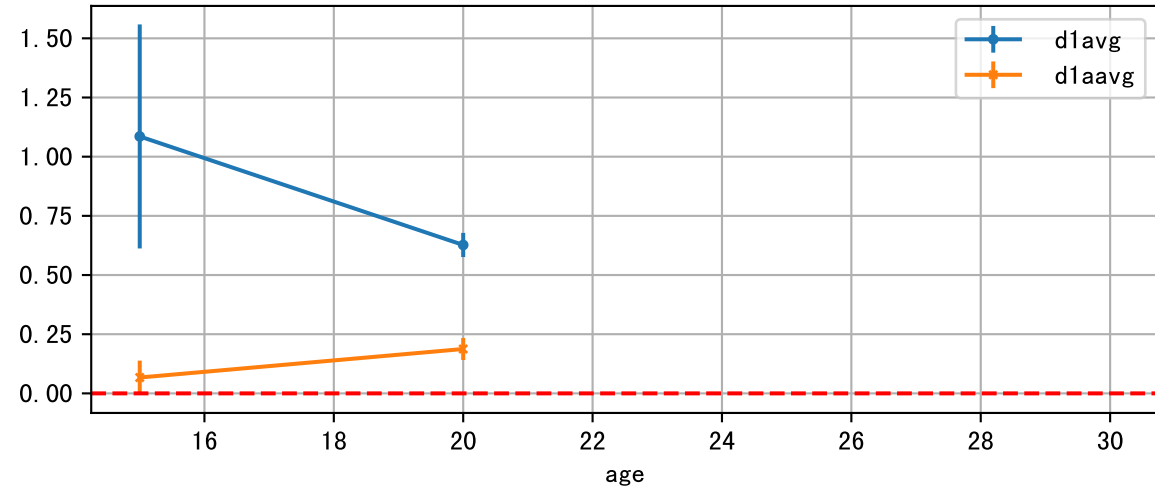


FrV: obsFrV vs obsFrV@Q90

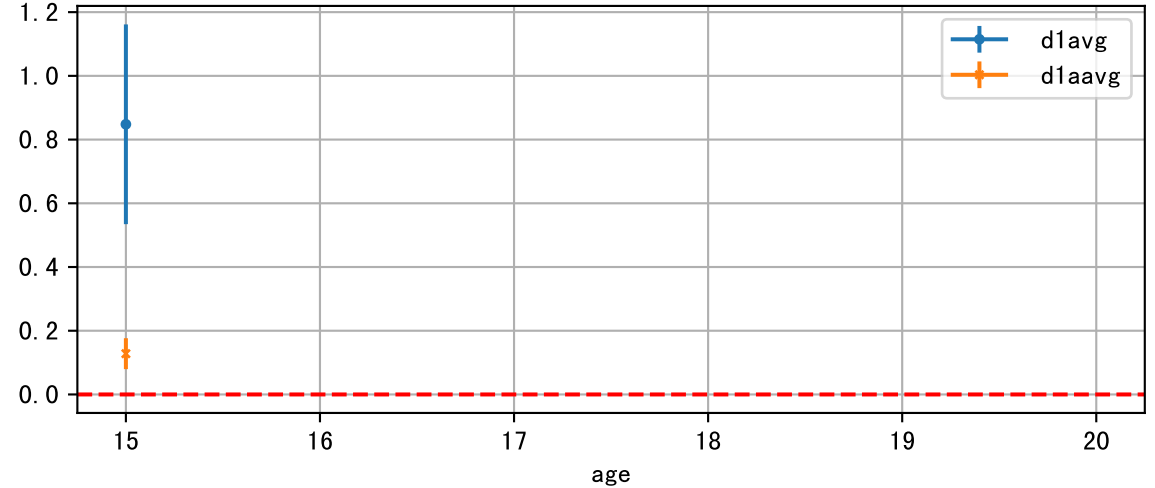


FrV: D_Fr1_FrV

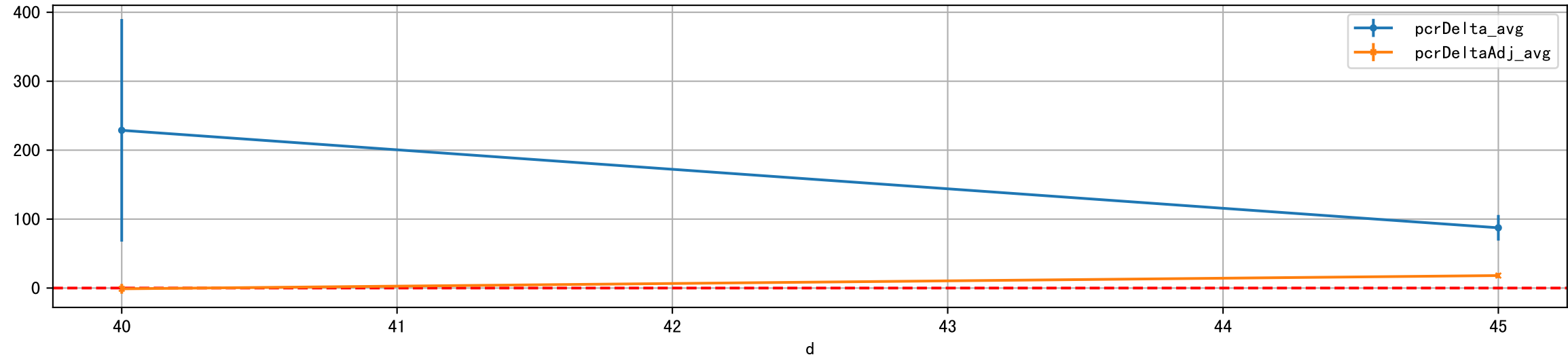
organID=1



organID=2

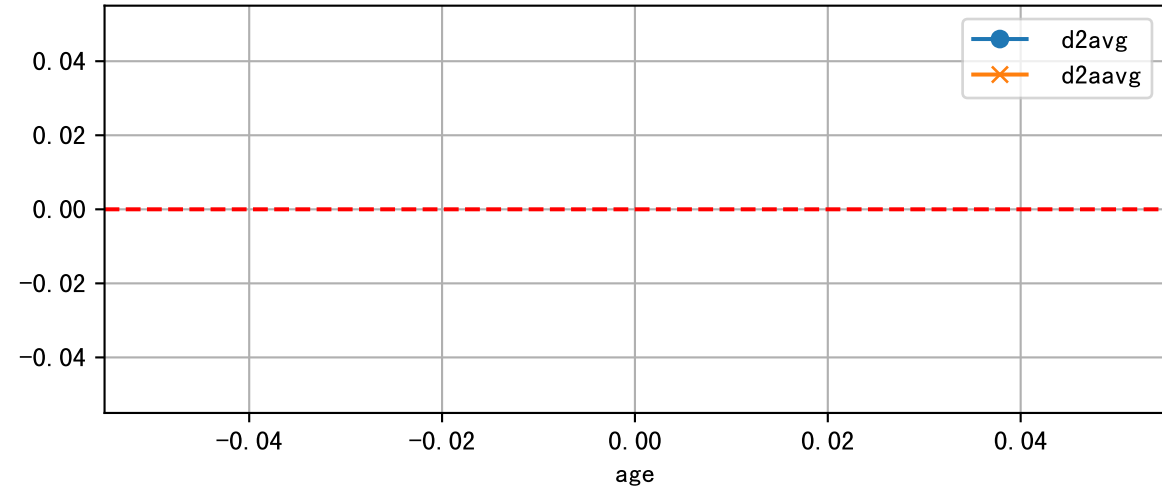


P10AW FrV: D_Fr1_FrV

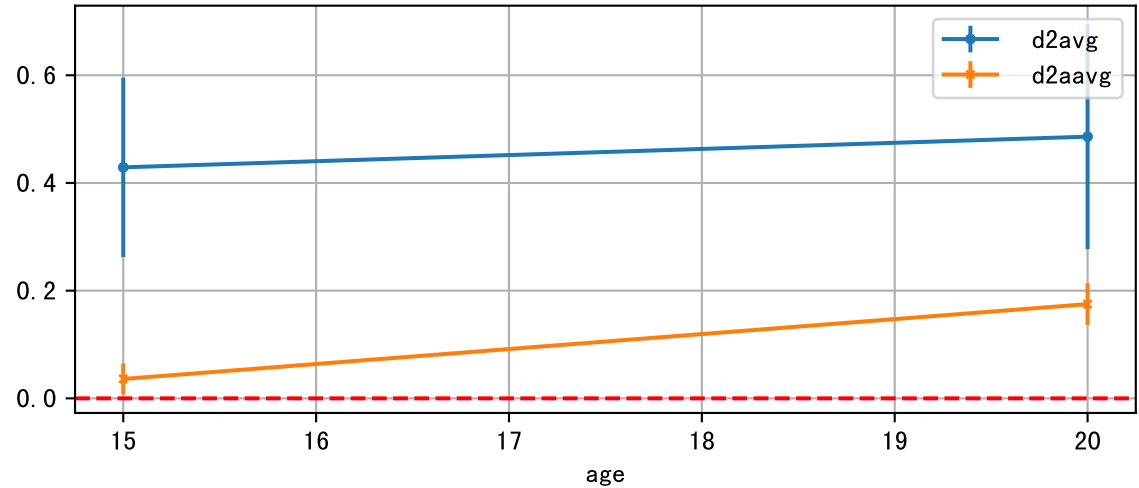


FrV: D_Ts_FrV

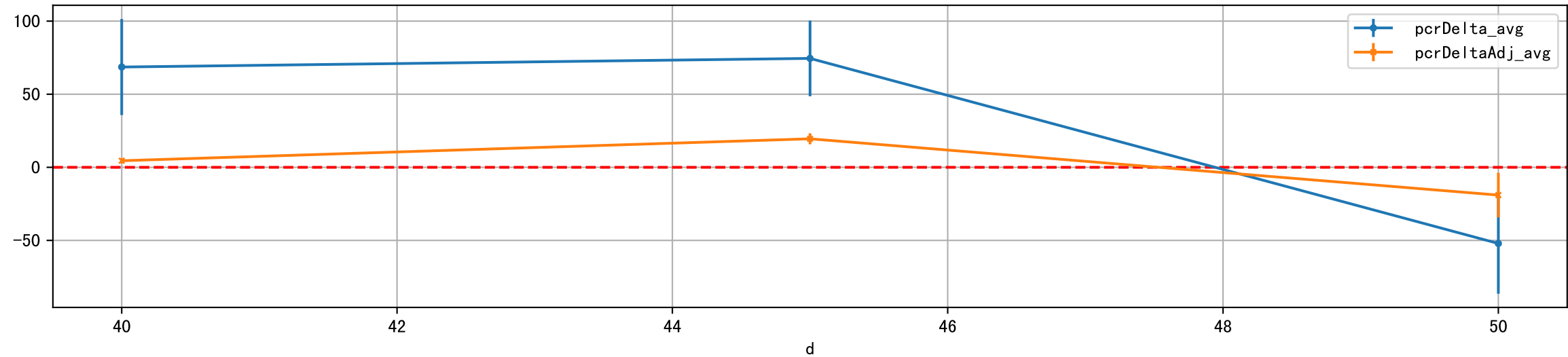
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organID=2

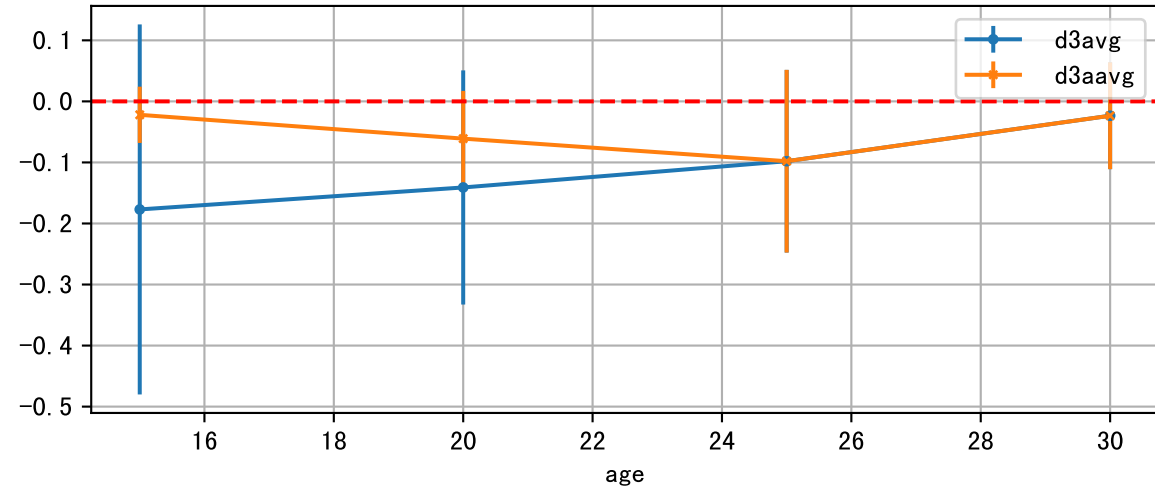


P10AW FrV: D_Ts_FrV

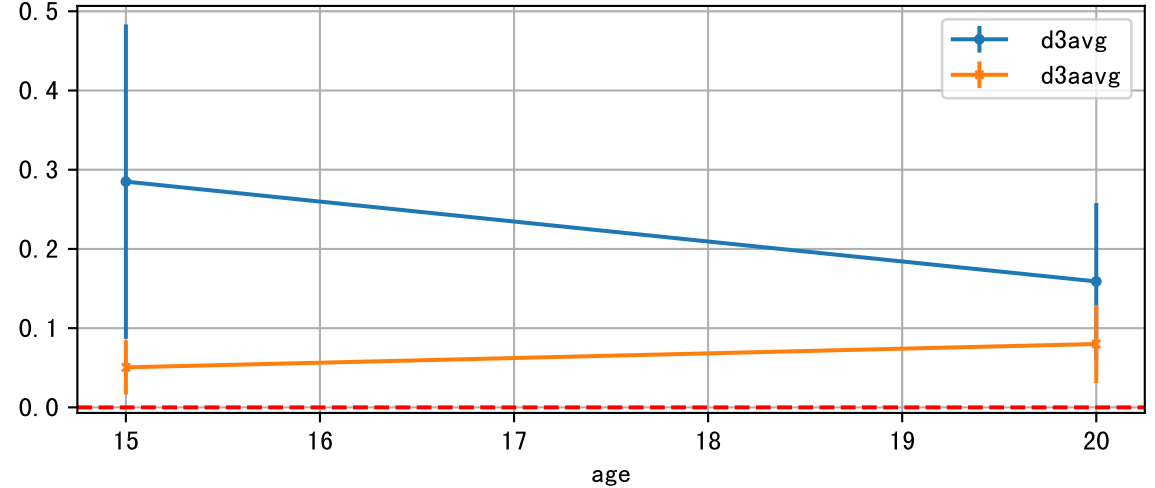


FrV: D_Q50_FrV

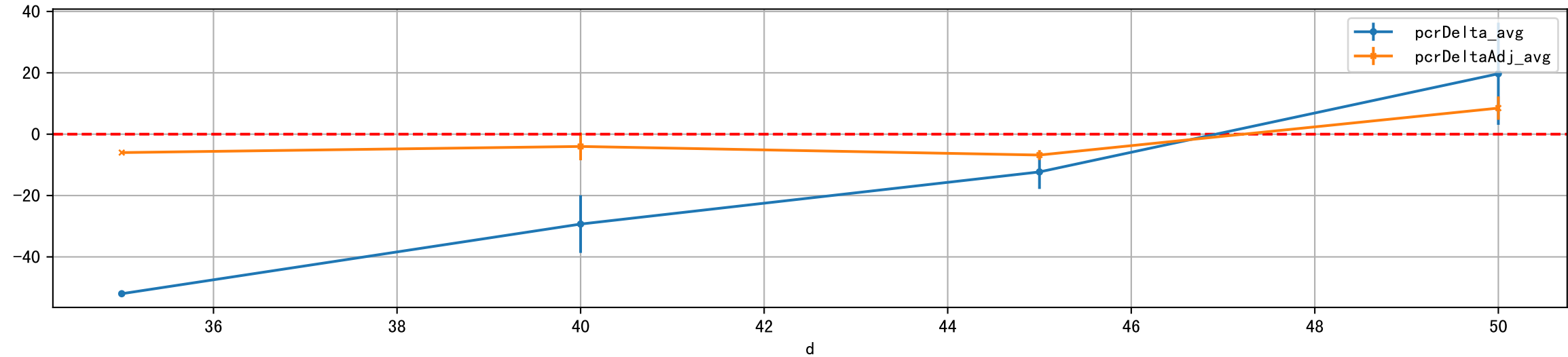
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organID=2

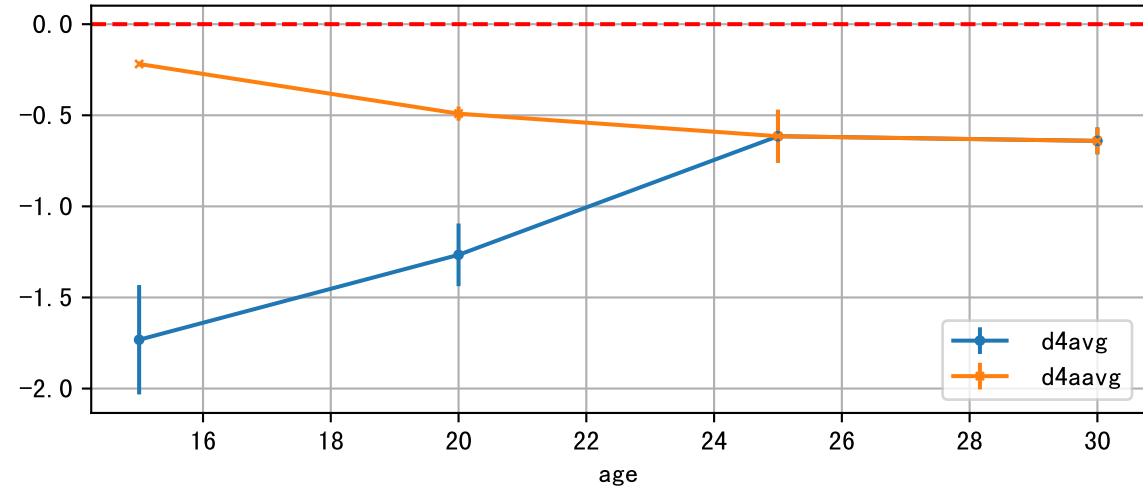


P10AW FrV: D_Q50_FrV

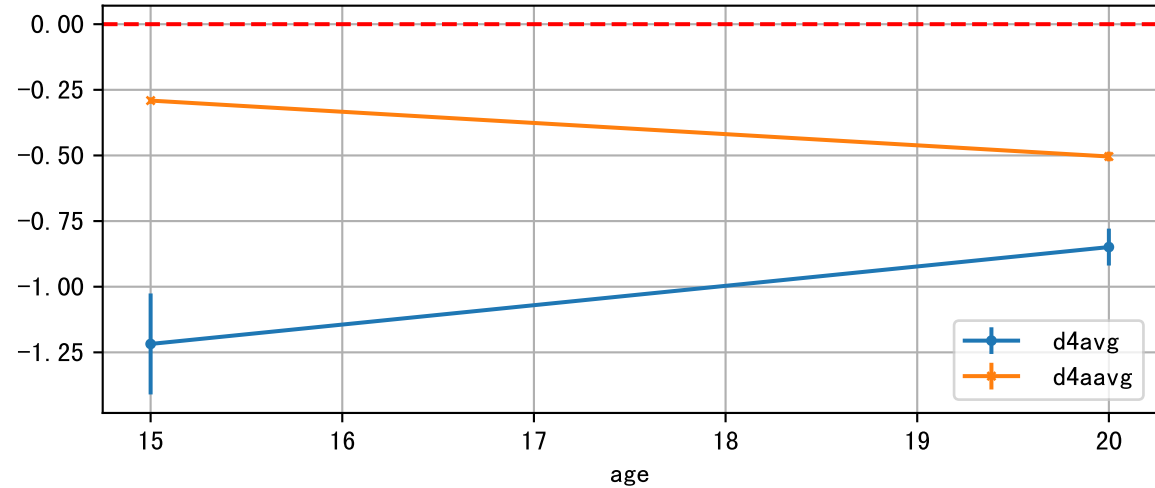


FrV: D_Est_FrV

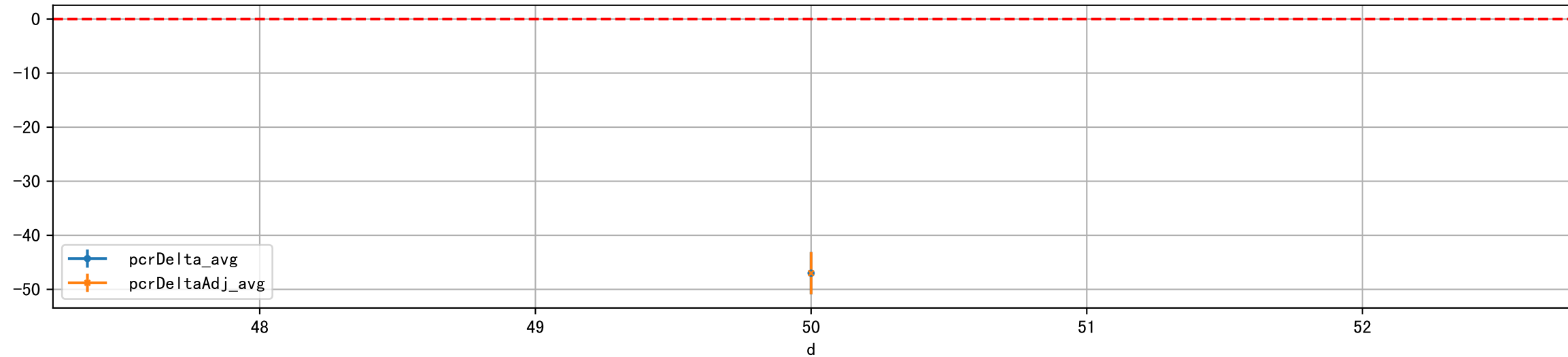
organID=1



organID=2



P10AW FrV: D_Est_FrV



P10AW FrV: sfDem

