

Phenotype Data Analysis Plots

PhenoData day range = 10 – 54

Analysis cutoff day = 54

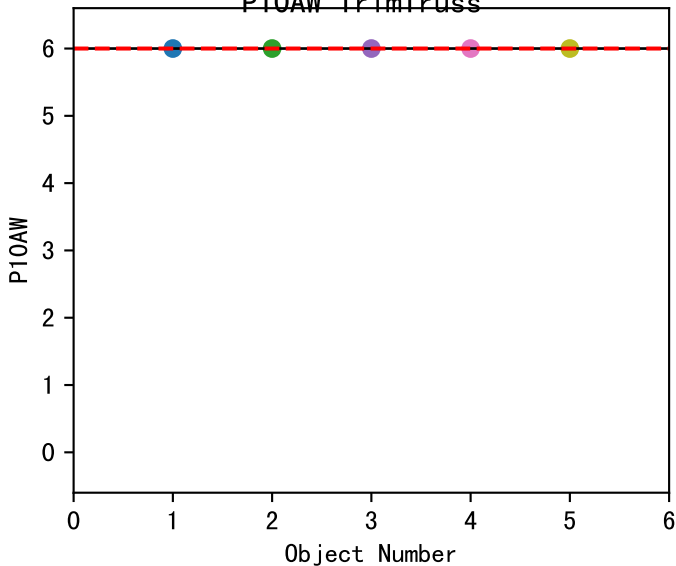
NC11 P10

2025-05-25 (Day 55)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

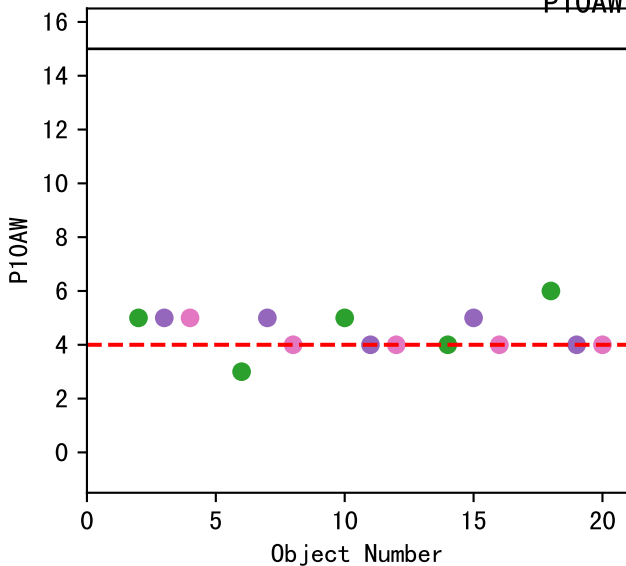
P10AW TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

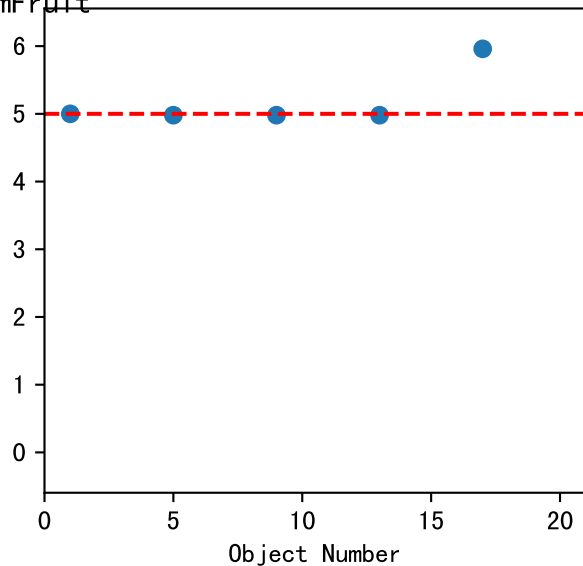
avg1=4.0~19% avg2=na

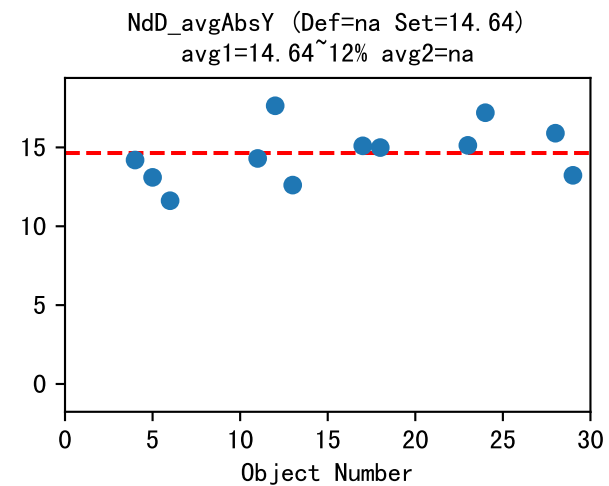
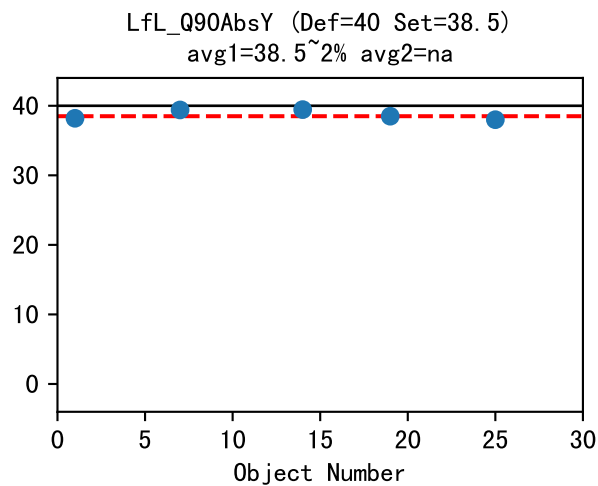
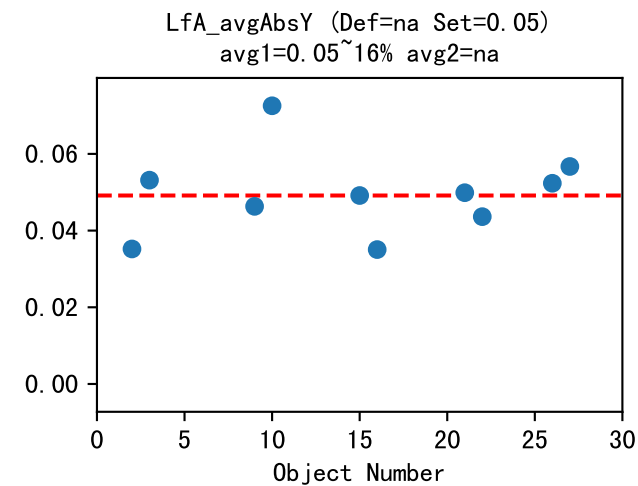
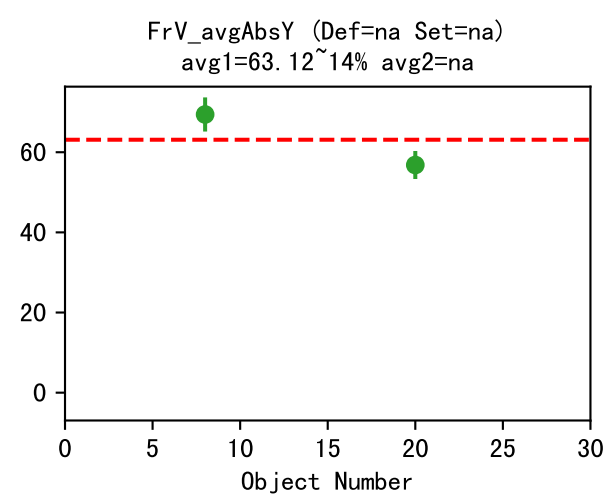
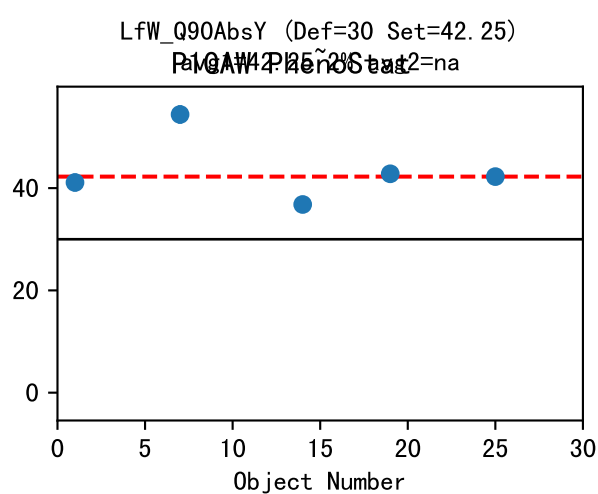
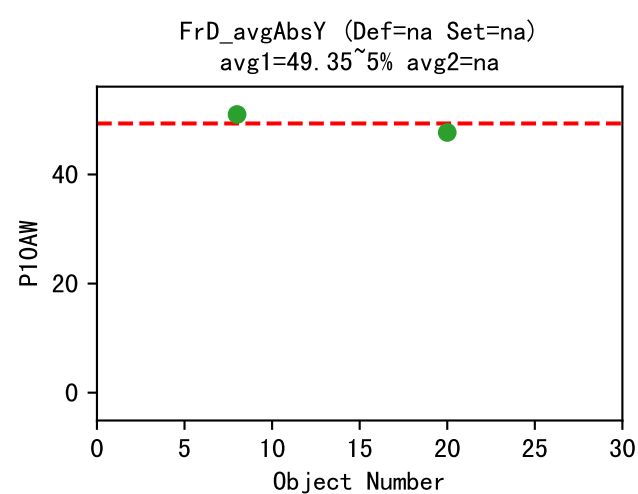
P10AW TrimFruit



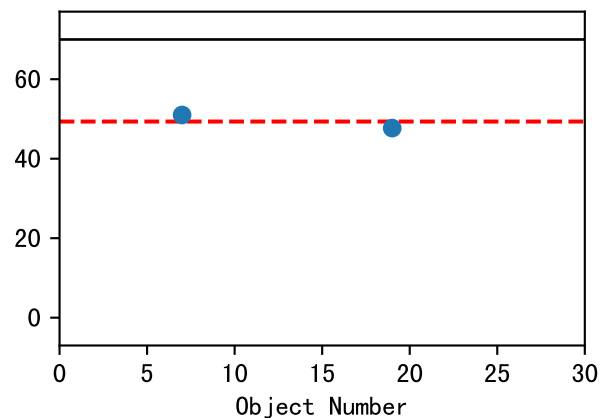
FruitNumMaxPerTruss (Def=na Set=5)

avg1=5.0~0% avg2=na

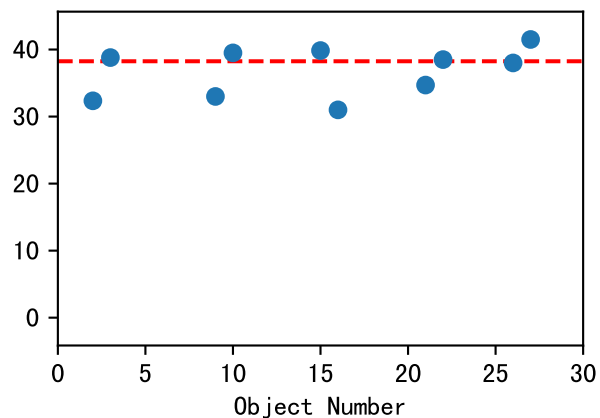




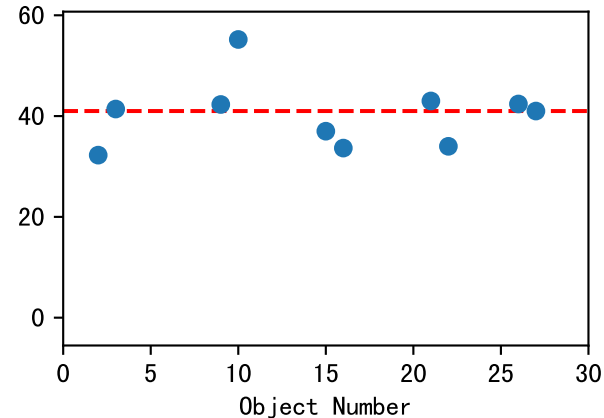
FrD_Q90AbsY (Def=70 Set=70)
avg1=49.35~5% avg2=na



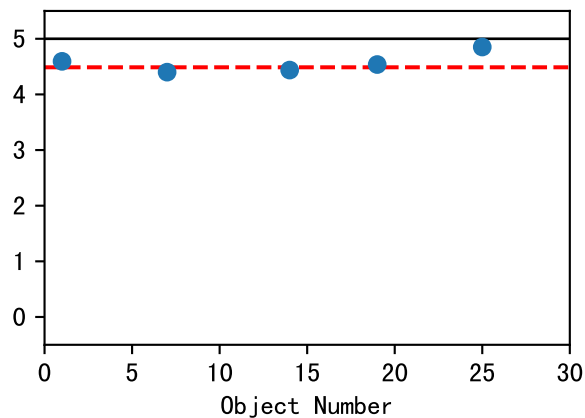
LfL_avgAbsY (Def=na Set=38.25)
avg1=38.25~16% avg2=na



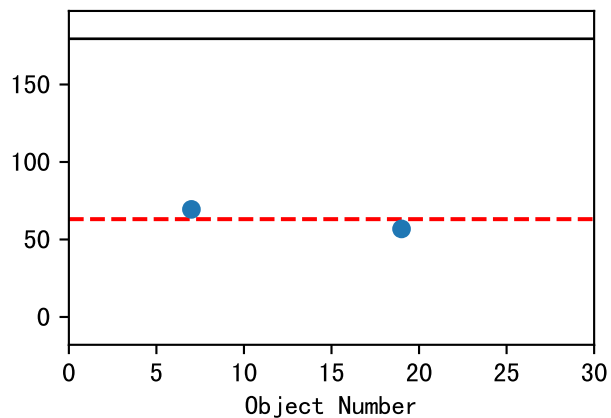
LfW_avgAbsY (Def=na Set=41.0)
avg1=41.0~11% avg2=na



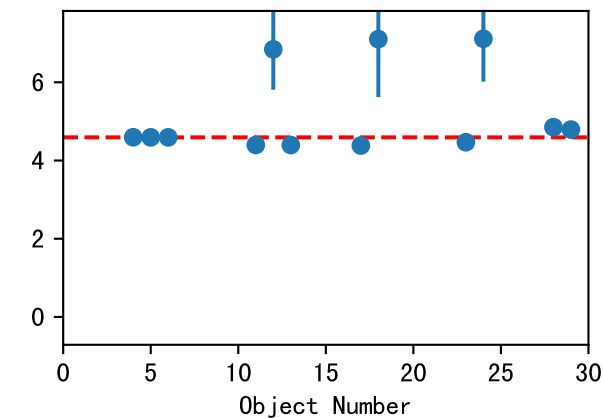
NdL_Q90AbsY (Def=5 Set=4.49)
avg1=4.49~2% avg2=na



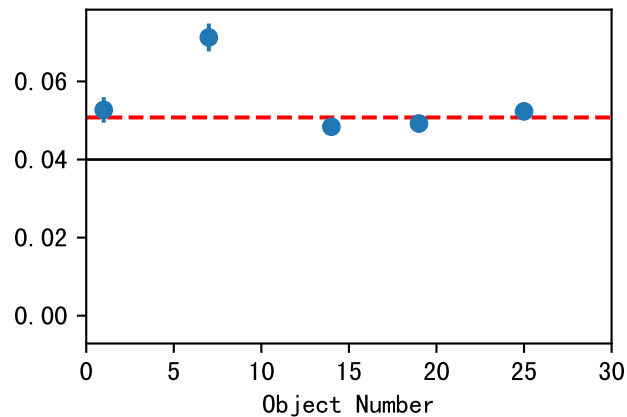
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=63.12~14% avg2=na



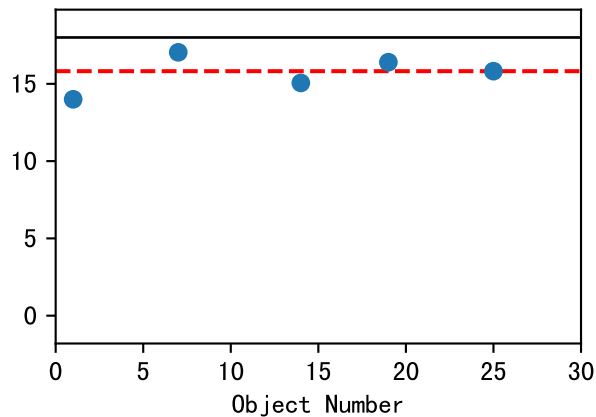
NdL_avgAbsY (Def=na Set=4.59)
avg1=4.59~4% avg2=na



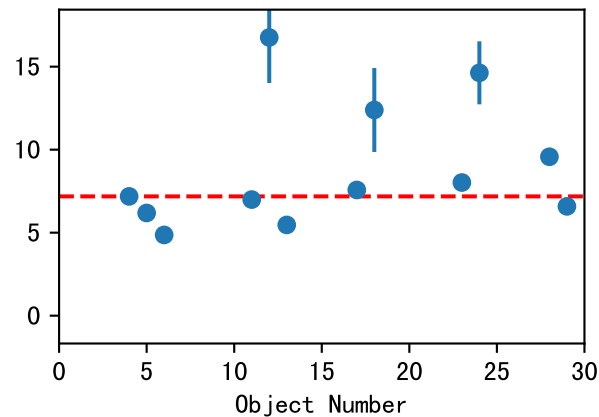
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.05~4% avg2=na



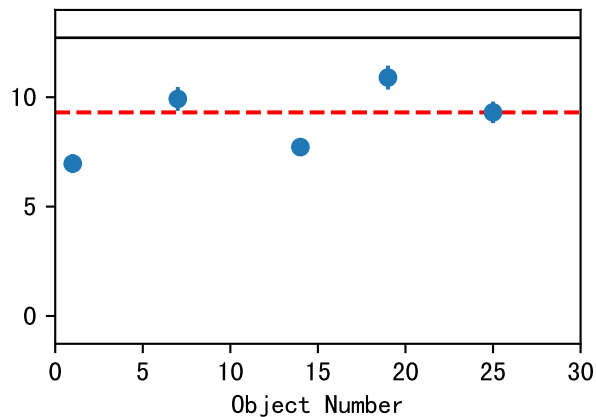
NdD_Q90AbsY (Def=18 Set=15.82)
avg1=15.82~7% avg2=na



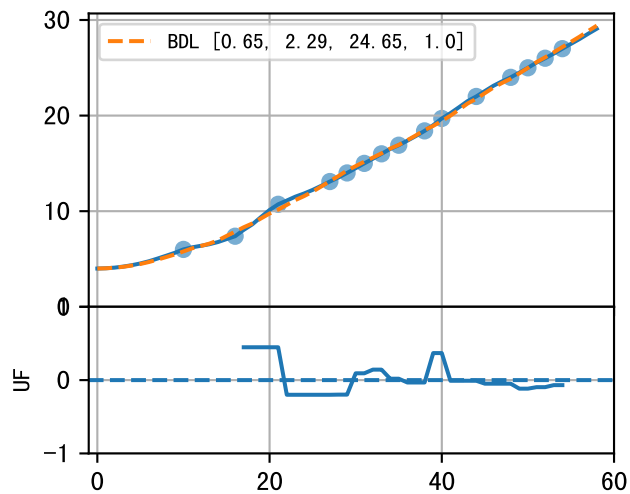
NdV_avgAbsY (Def=na Set=7.19)
avg1=7.19~41% avg2=na



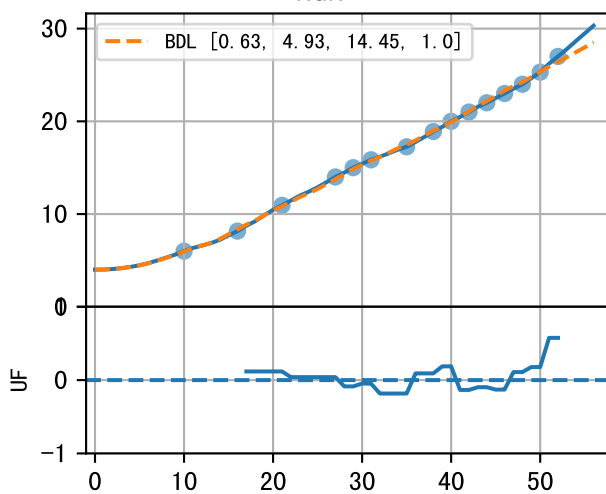
NdV_Q90AbsY (Def=12.72 Set=9.31)
avg1=9.31~17% avg2=na



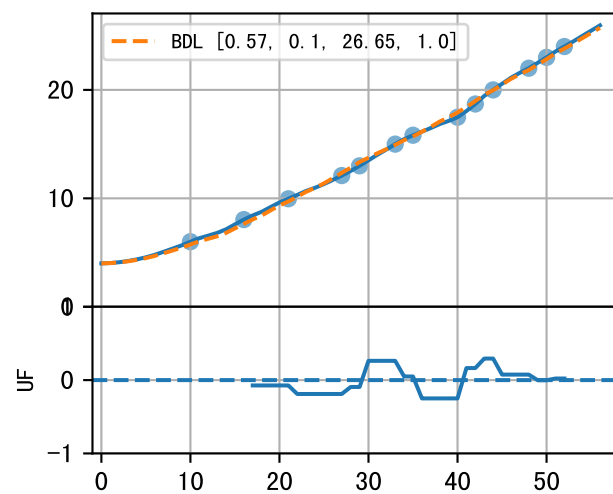
P10AW-003-11 (fit failed)



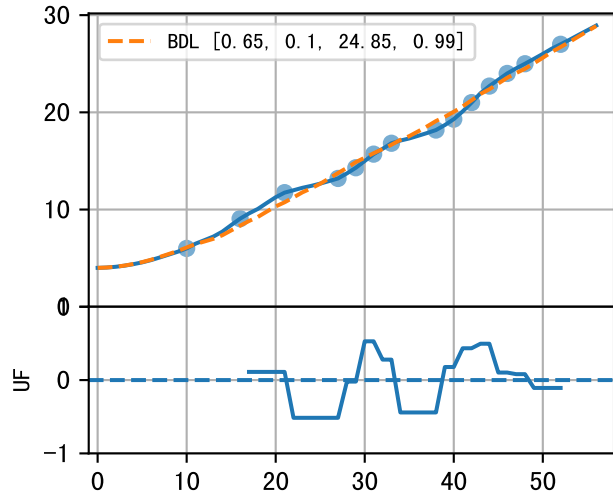
P10AW-016-21 (fit failed)



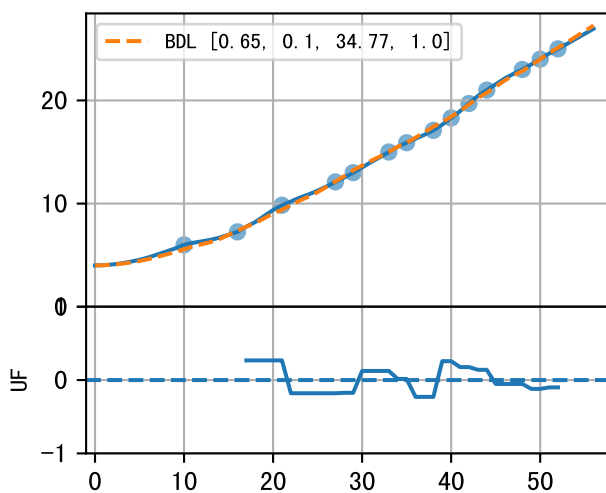
P10AW-029-30 (fit failed)



P10AW-041-24 (fit failed)



P10AW-054-10 (fit failed)

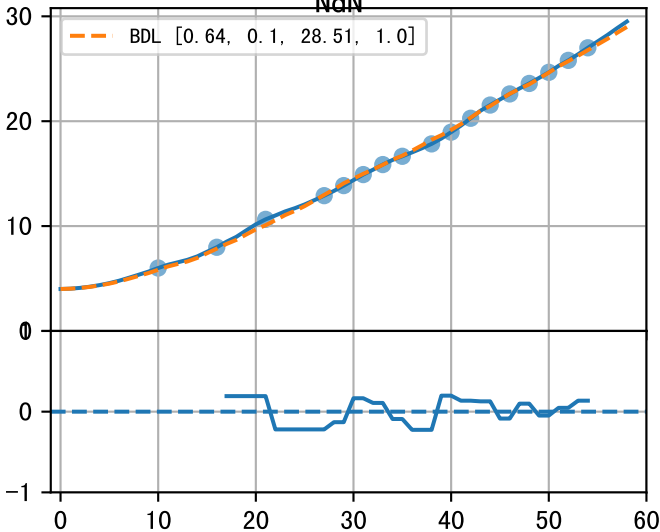


P10AWavg (fit failed)

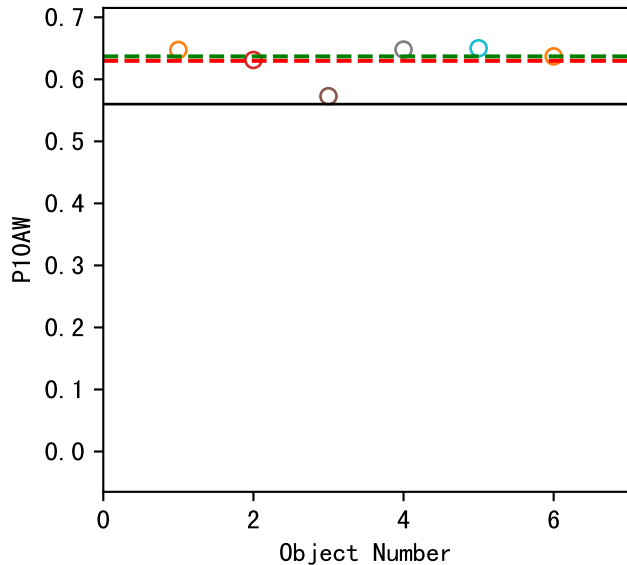
NaN

BDL [0.64, 0.1, 28.51, 1.0]

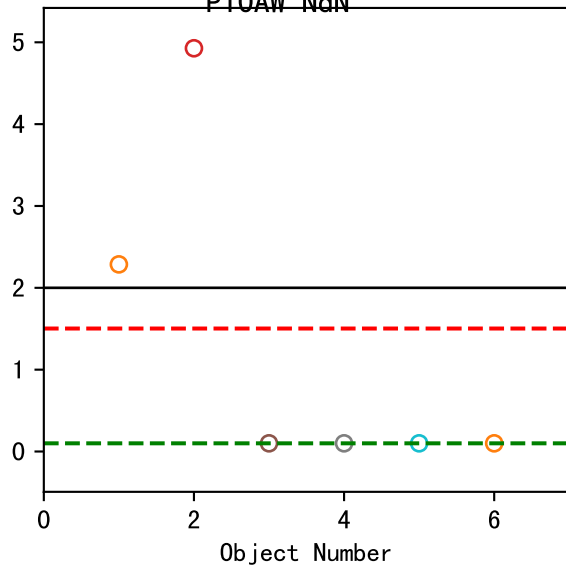
UF



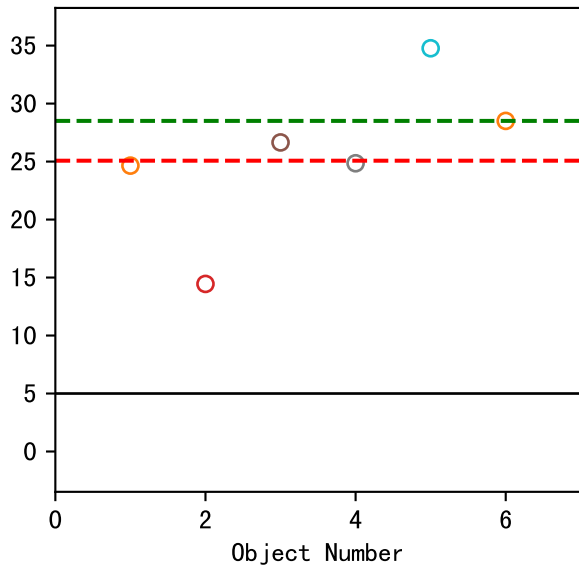
a (Def=0.56 Set=0.64)
avg1=0.63(fail) avg2=0.64



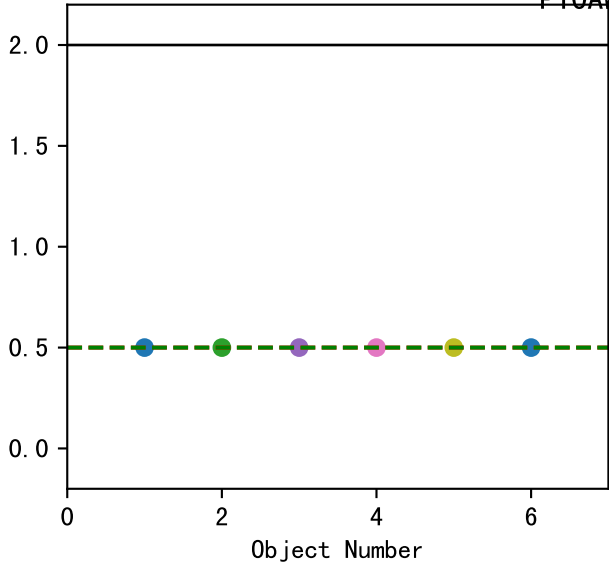
dm (Def=2 Set=0.1)
avg1=1.5(fail) avg2=0.1



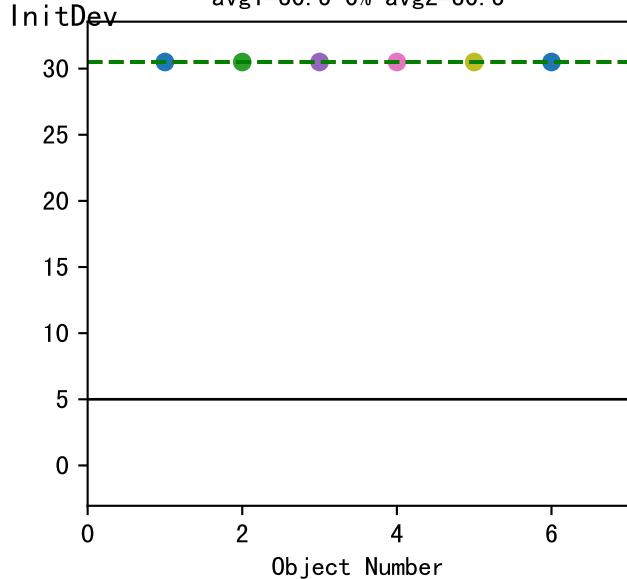
de (Def=5 Set=28.51)
avg1=25.07(fail) avg2=28.51



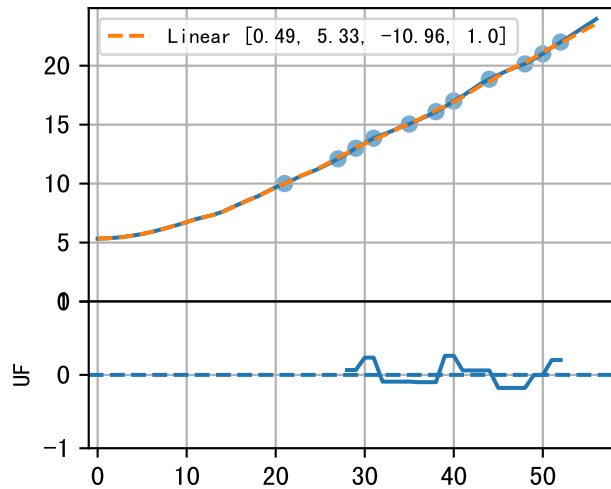
InitDev_dm (Def=2 Set=0.5)
avg1=0.5~0% avg2=0.5



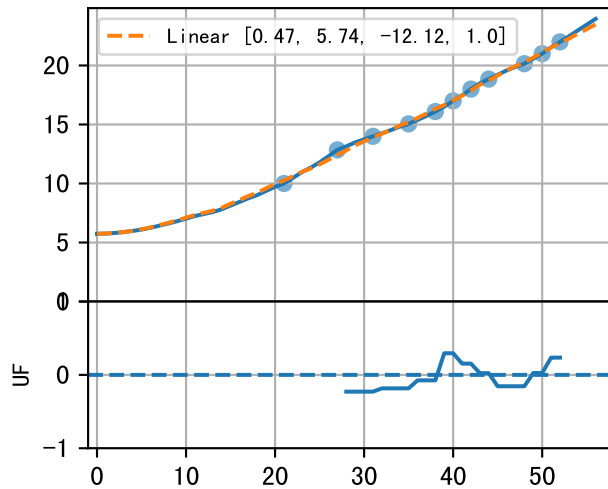
InitDev_de (Def=5 Set=30.5)
avg1=30.5~0% avg2=30.5



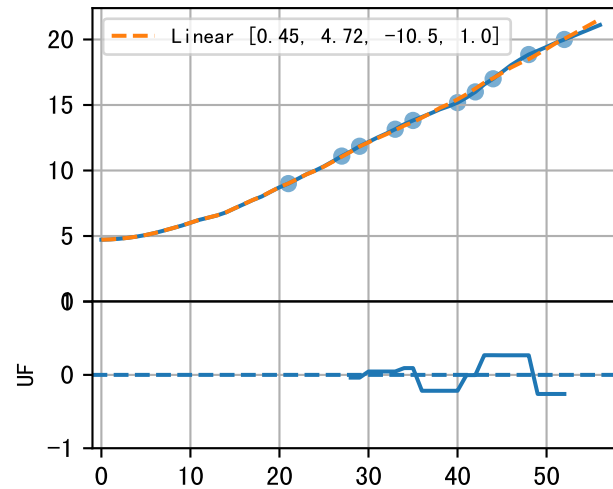
P10AW-003-11



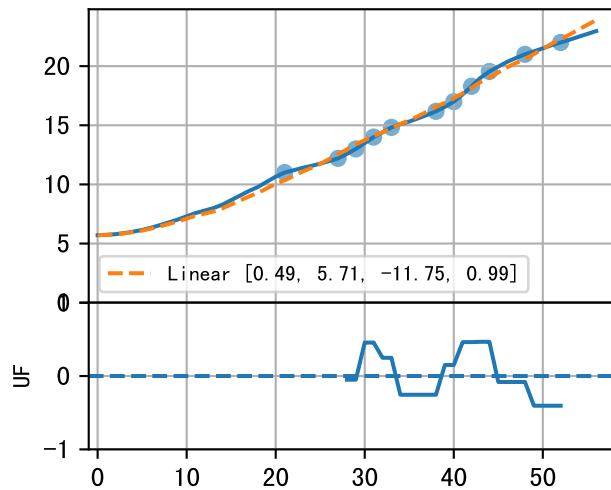
P10AW-016-3



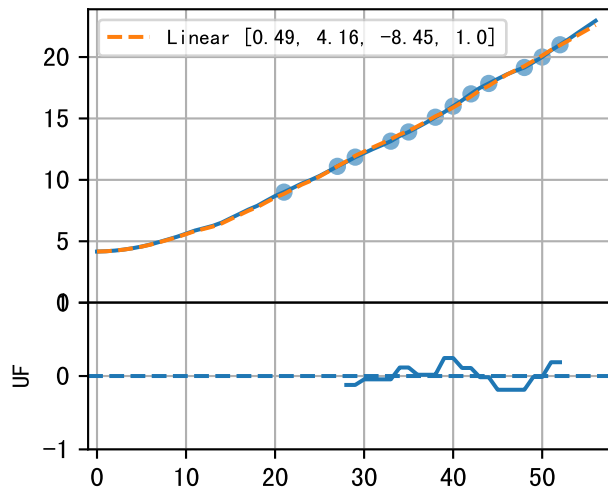
P10AW-029-30



P10AW-041-24

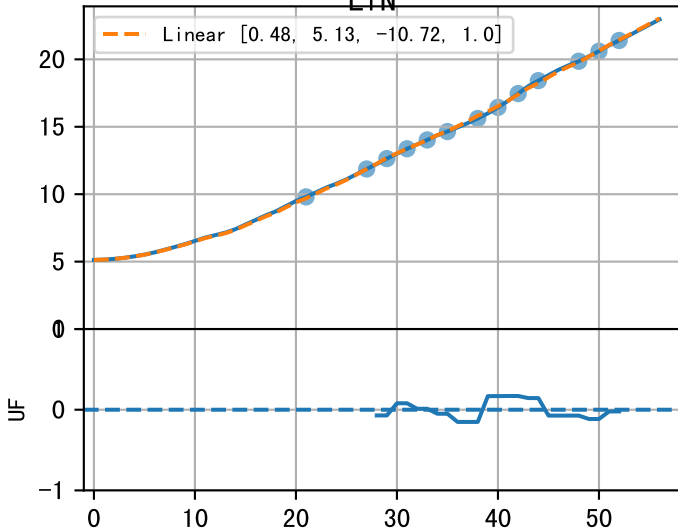


P10AW-054-10

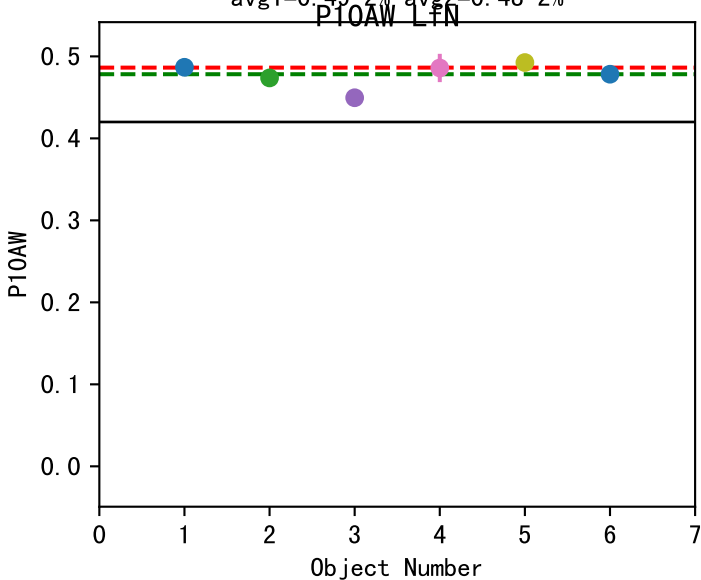


P10AWavg
LfN

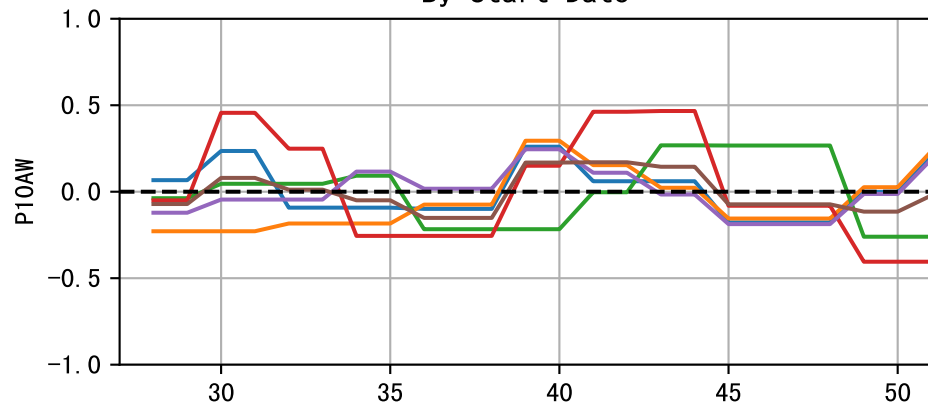
Linear [0.48, 5.13, -10.72, 1.0]



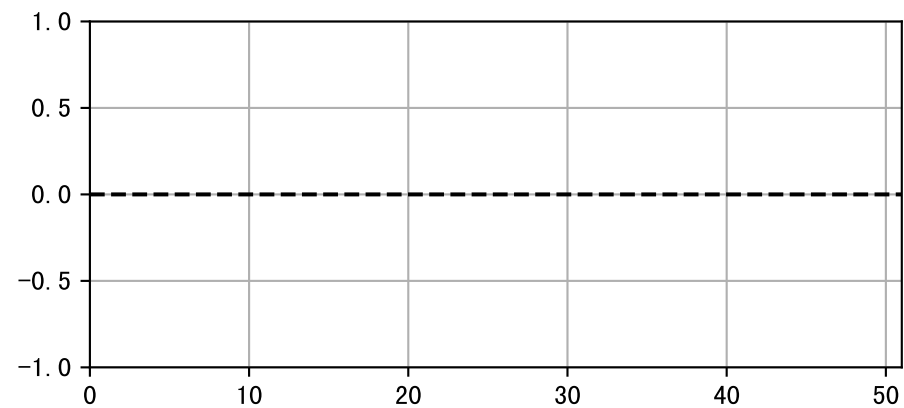
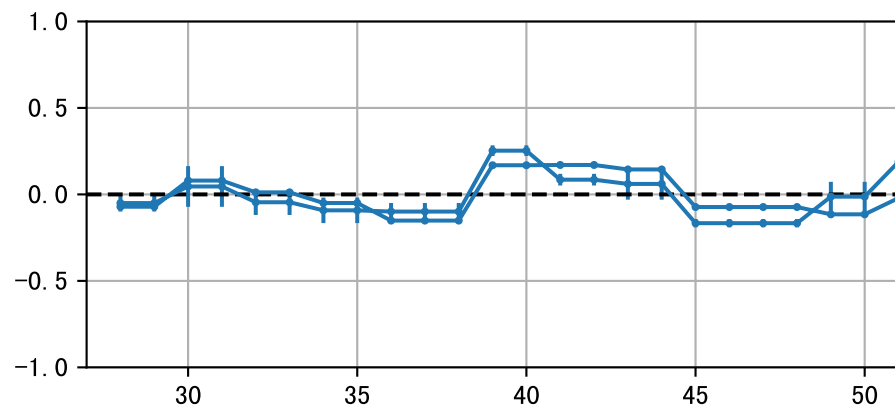
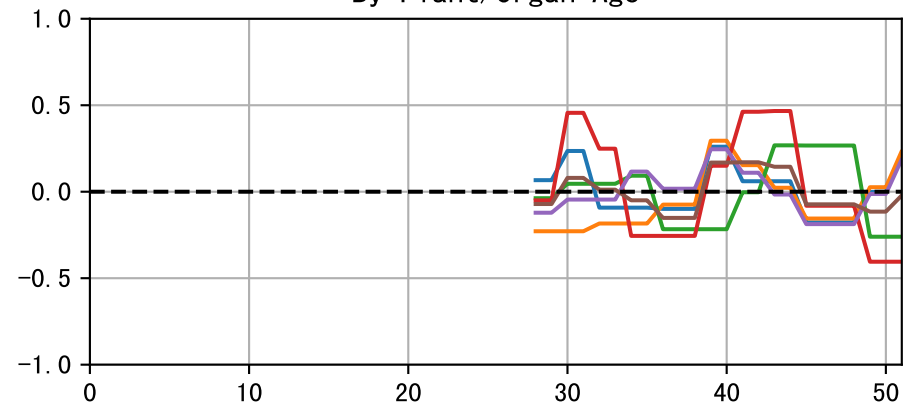
a (Def=0.42 Set=0.48)
avg1=0.49 $\sim$ 2% avg2=0.48 $\sim$ 2%



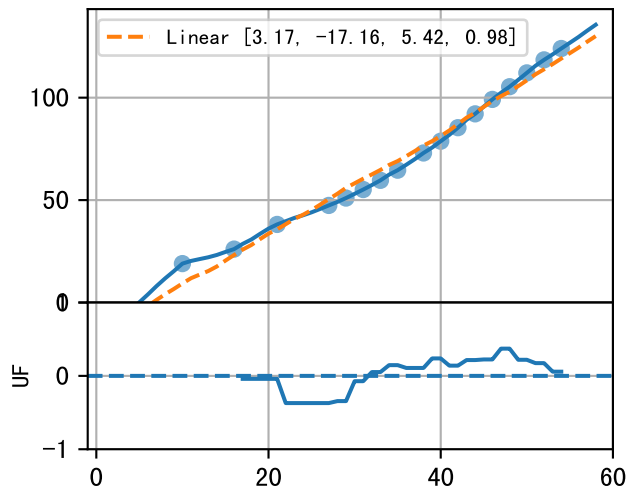
By Start Date



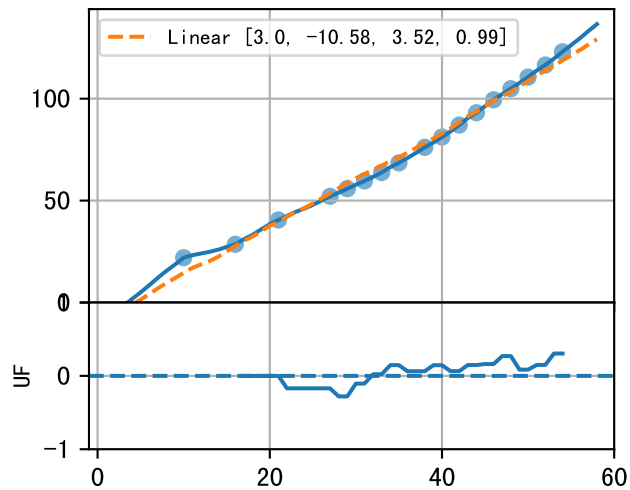
By Plant/Organ Age



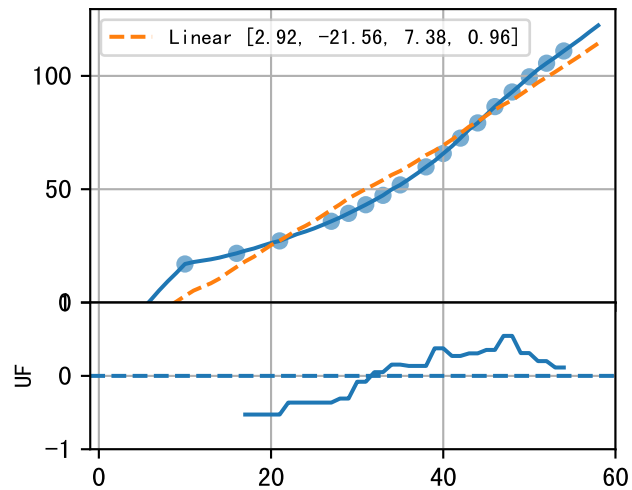
P10AW-003-11



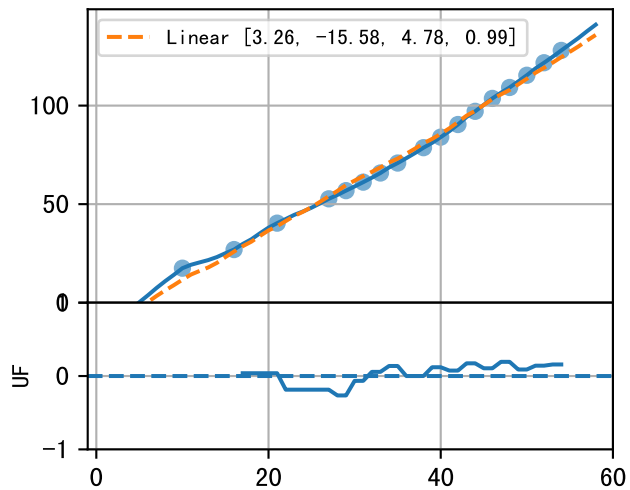
P10AW-016-3



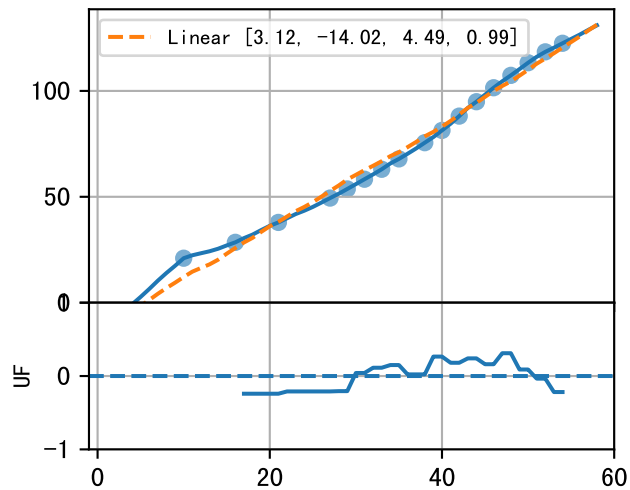
P10AW-029-30



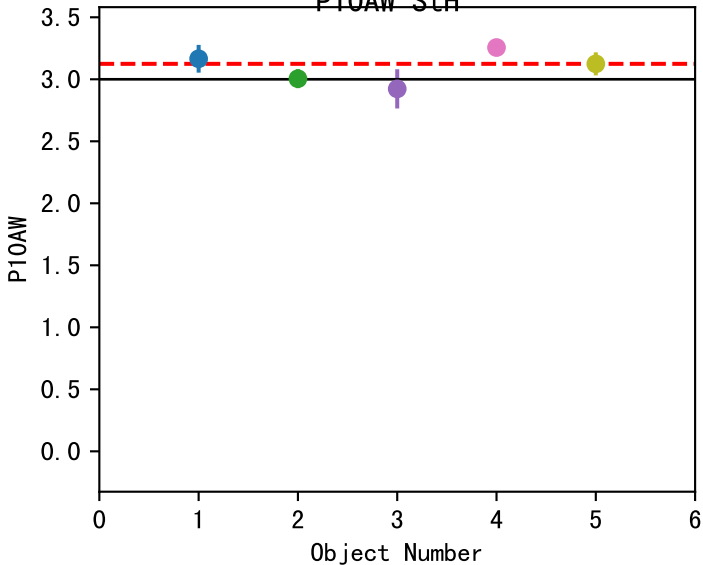
P10AW-041-24



P10AW-054-10

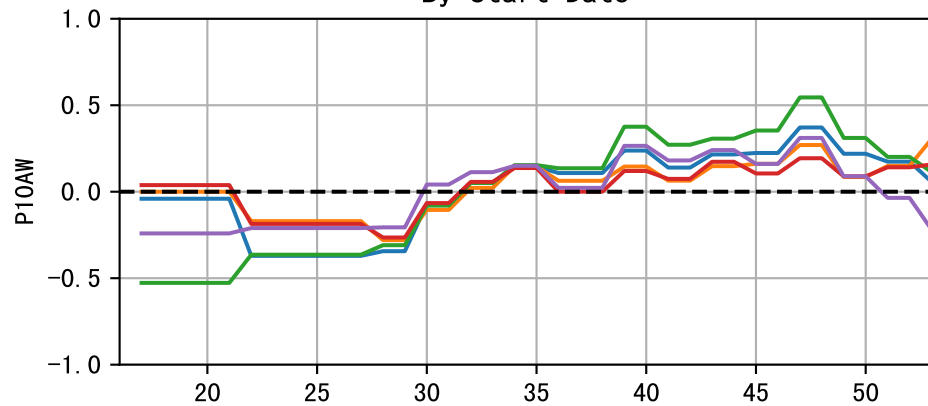


a (Def=3 Set=3.12)
avg1=3.12~4% avg2=na
P10AW StH

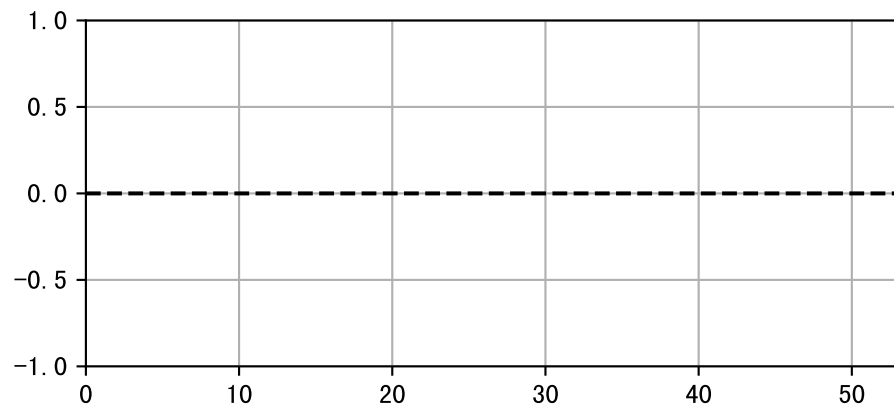
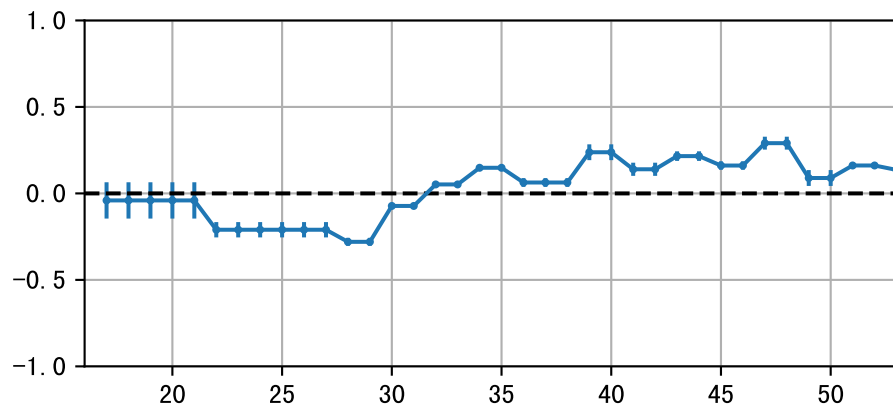
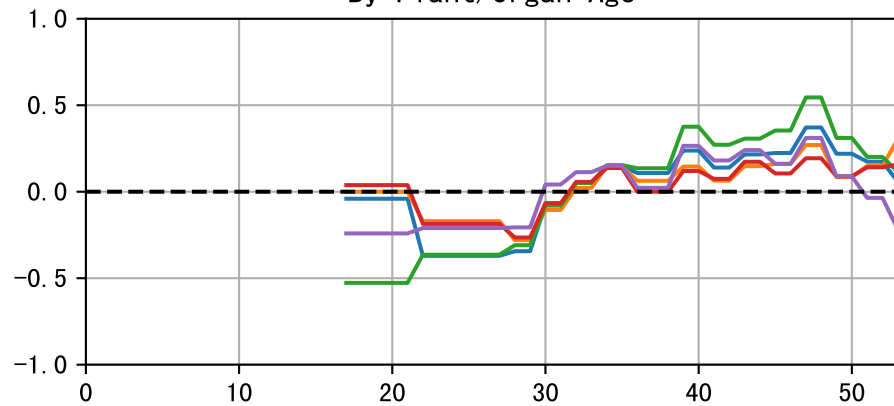


StH

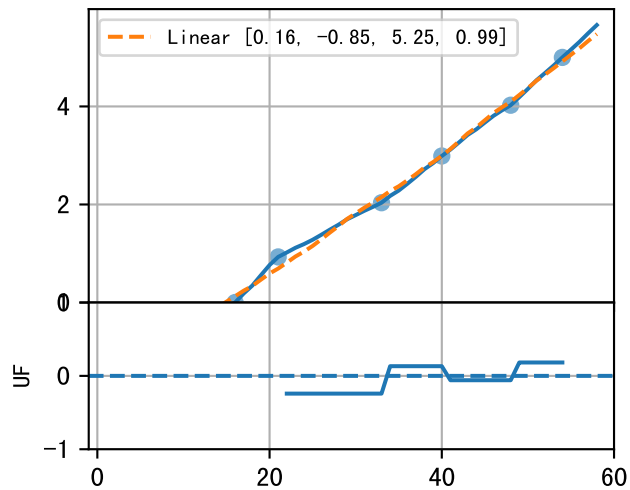
By Start Date



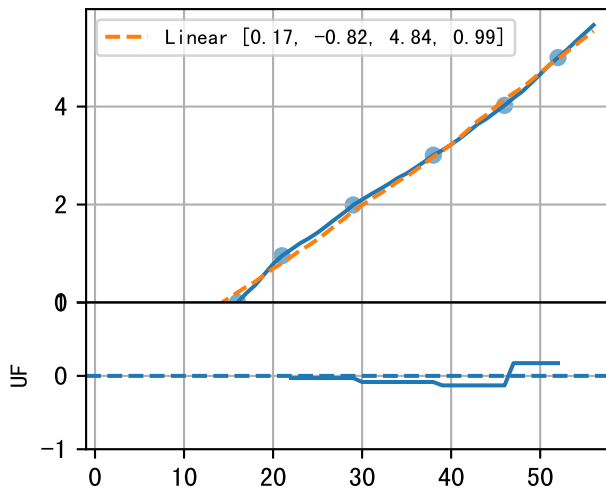
By Plant/Organ Age



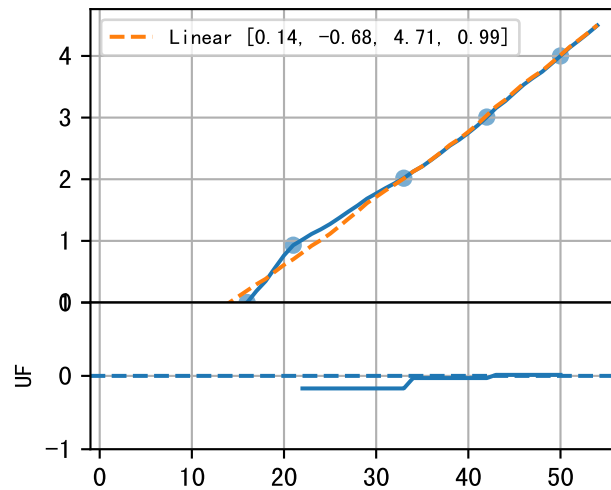
P10AW-003-11



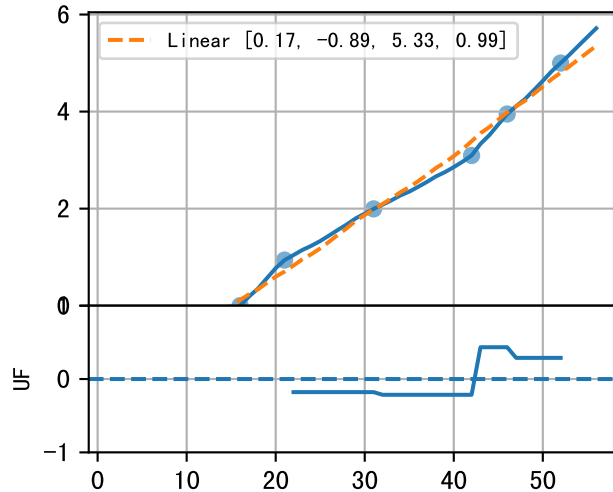
P10AW-016-3



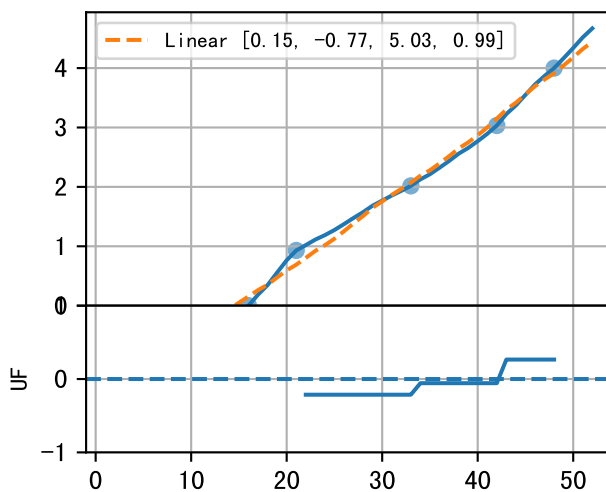
P10AW-029-30



P10AW-041-24



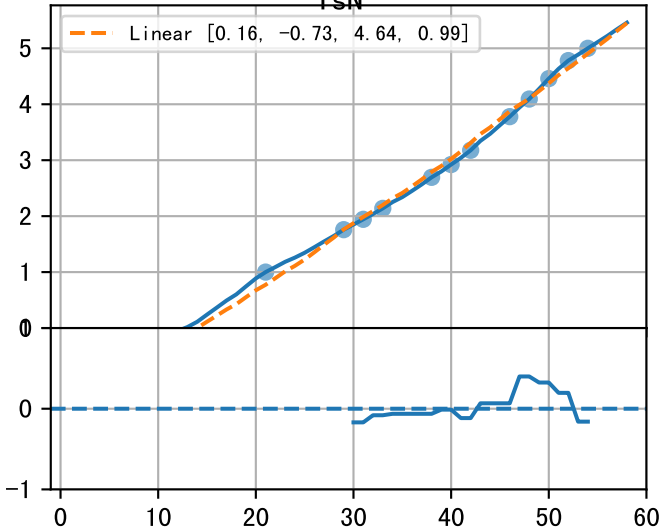
P10AW-054-10



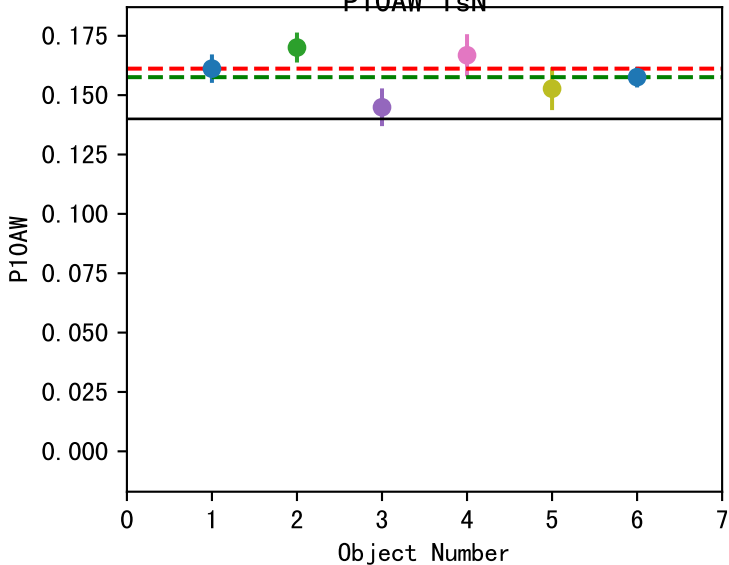
P10AWavg
TSN

Linear [0.16, -0.73, 4.64, 0.99]

UF

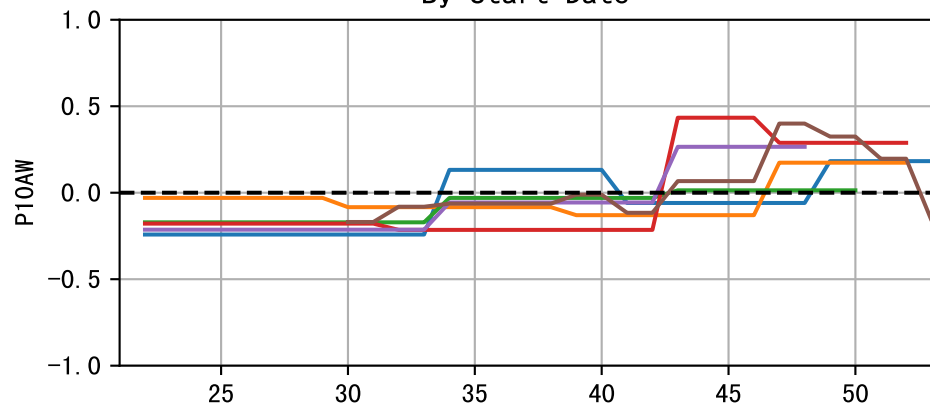


a (Def=0.14 Set=0.16)
avg1=0.16 $\sim$ 6% avg2=0.16 $\sim$ 6%
P10AW TSN

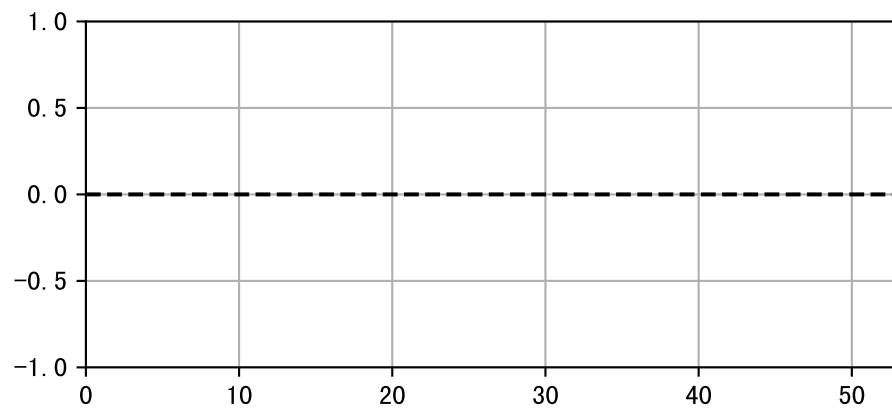
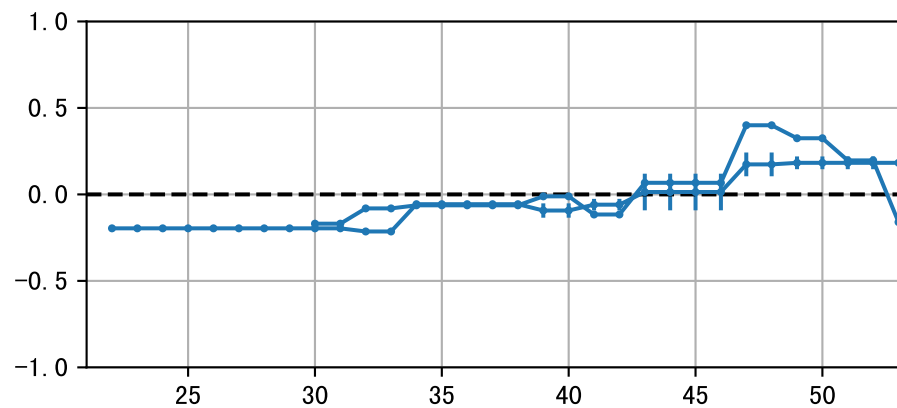
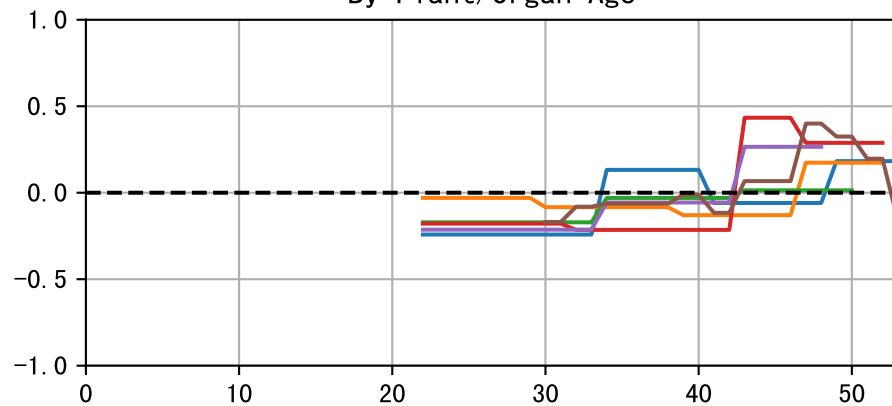


TsN

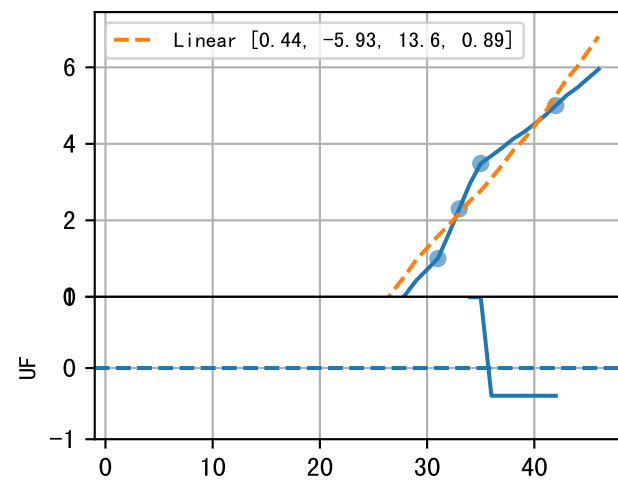
By Start Date



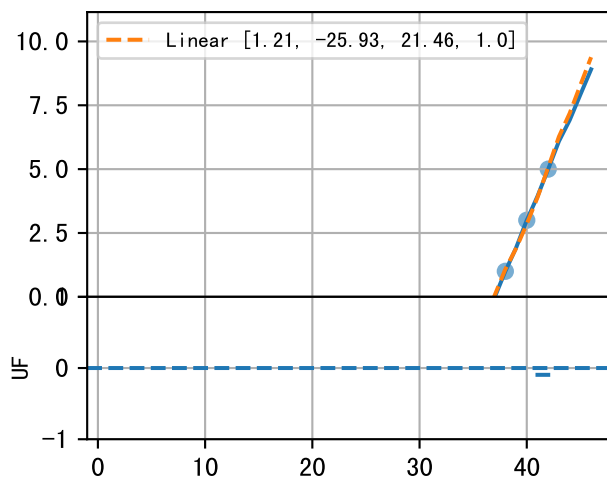
By Plant/Organ Age



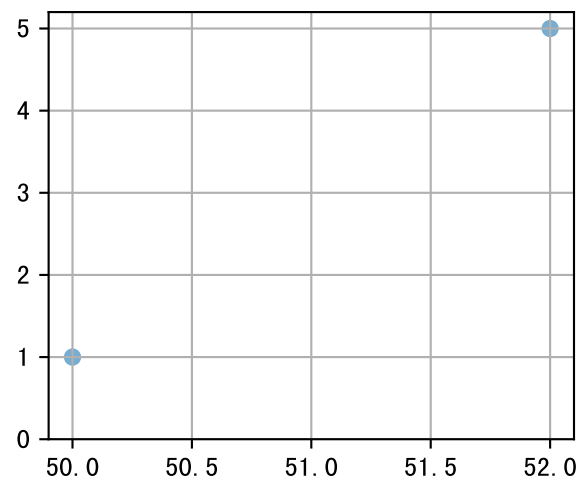
P10AW-003-11T1



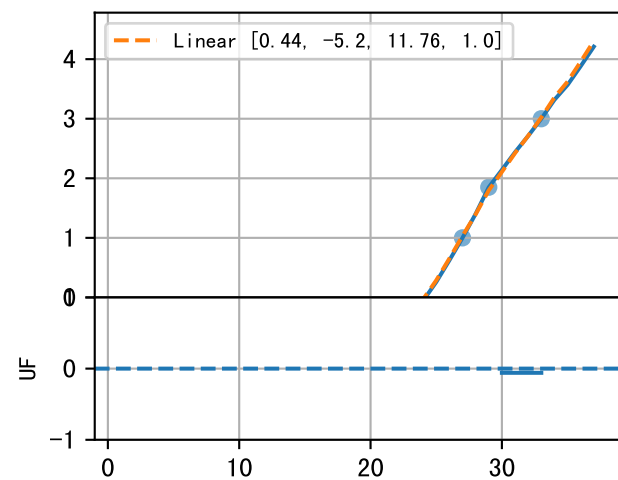
P10AW-003-11T2



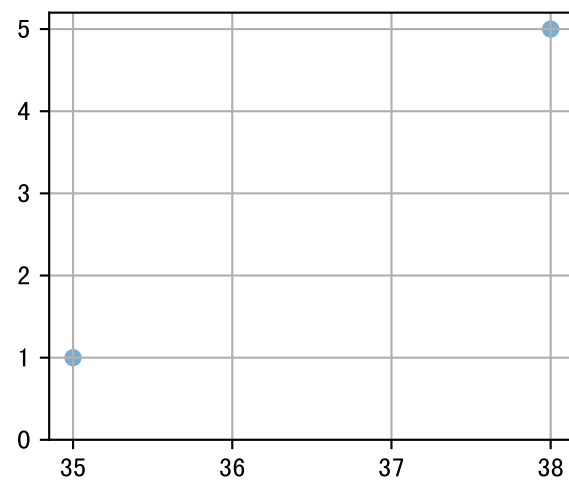
P10AW-003-11T3 (fit failed)



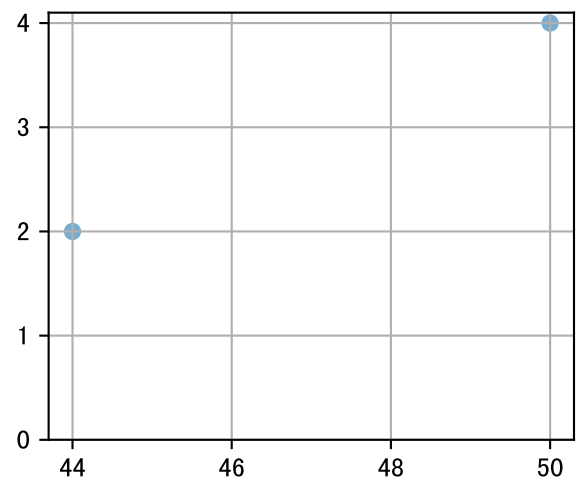
P10AW-016-3T1



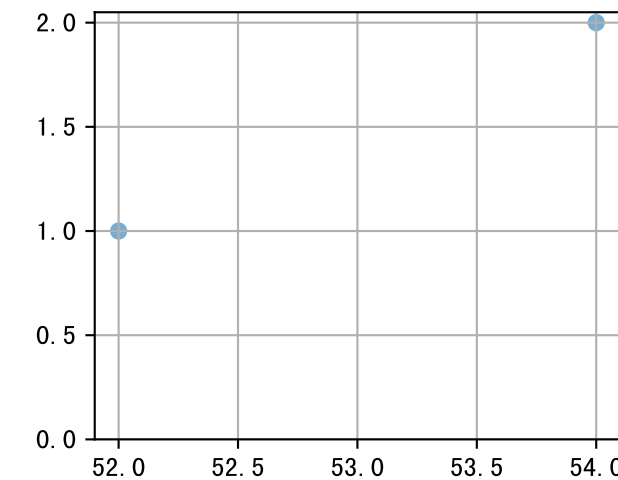
P10AW-016-3T2 (fit failed)



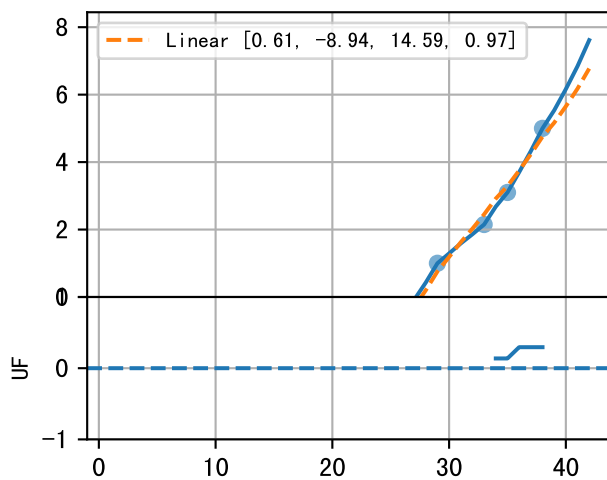
P10AW-016-3T3 (fit failed)



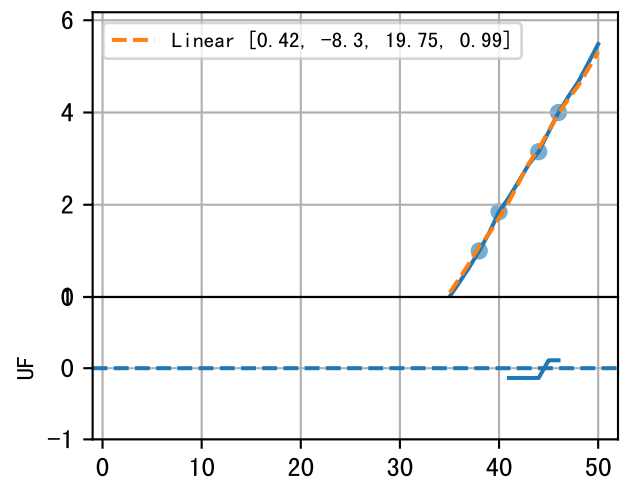
P10AW-016-3T4 (fit failed)



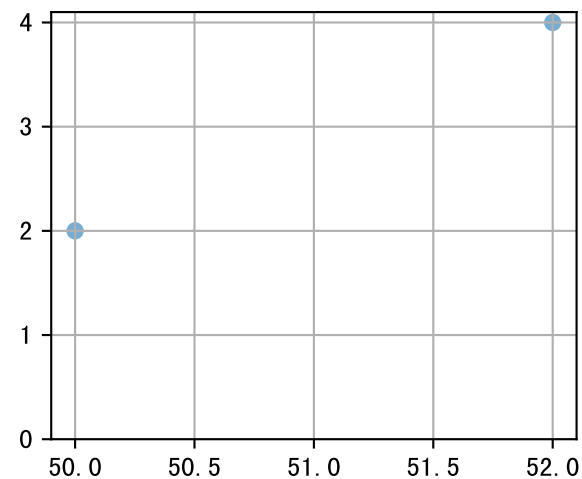
P10AW-029-30T1



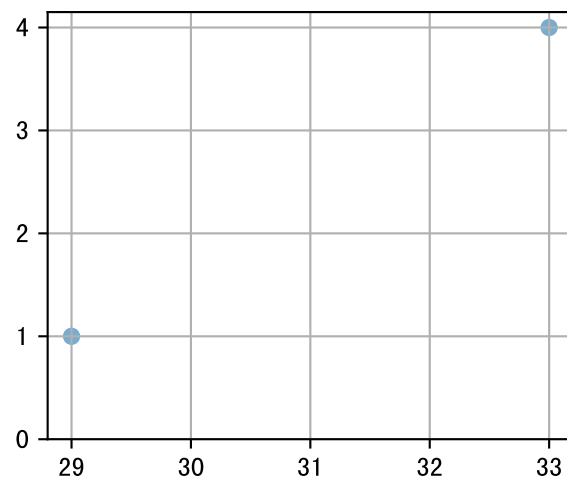
P10AW-029-30T2



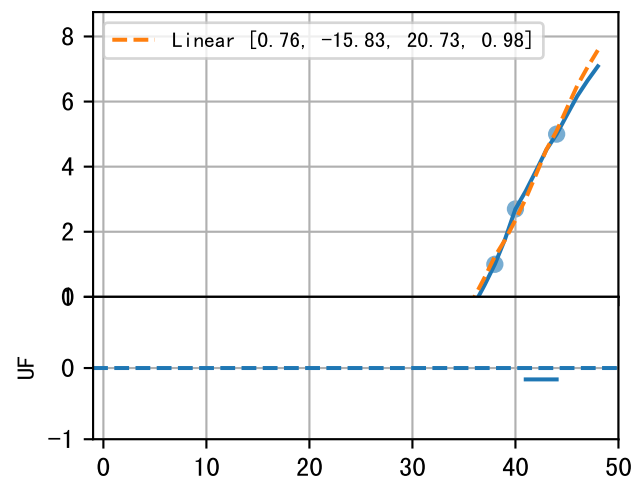
P10AW-029-30T3 (fit failed)



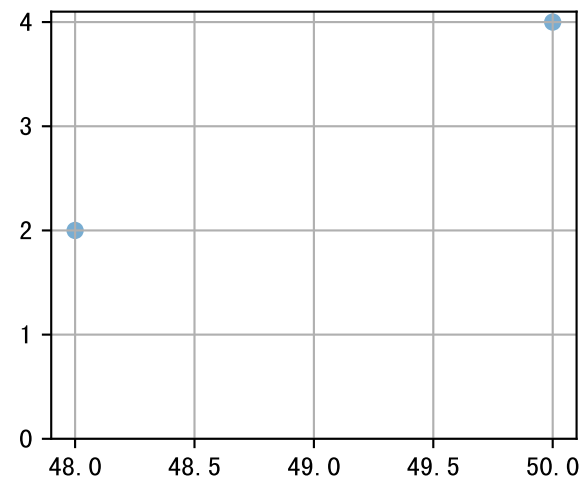
P10AW-041-24T1 (fit failed)



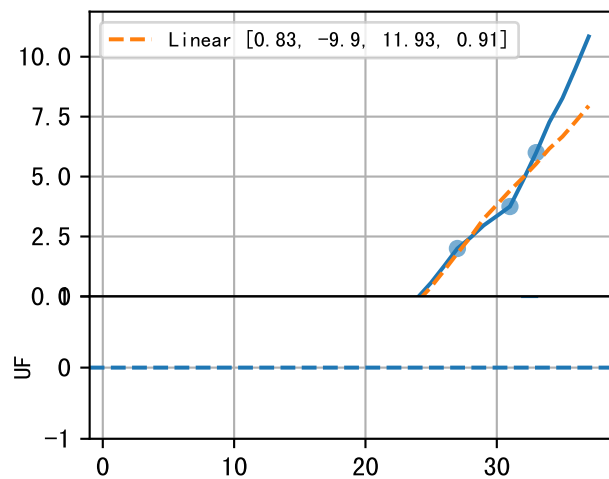
P10AW-041-24T2



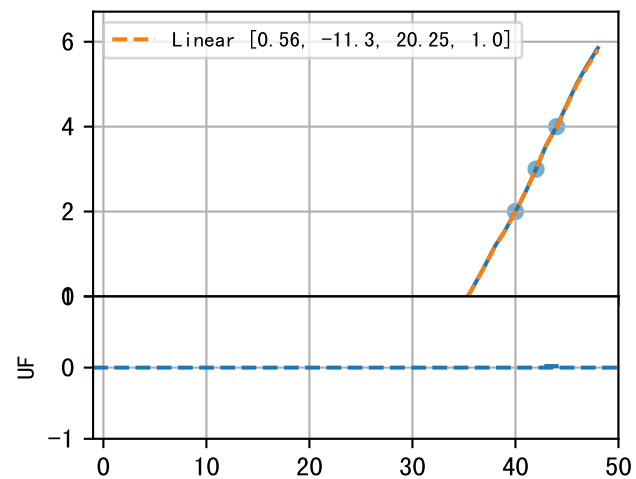
P10AW-041-24T3 (fit failed)



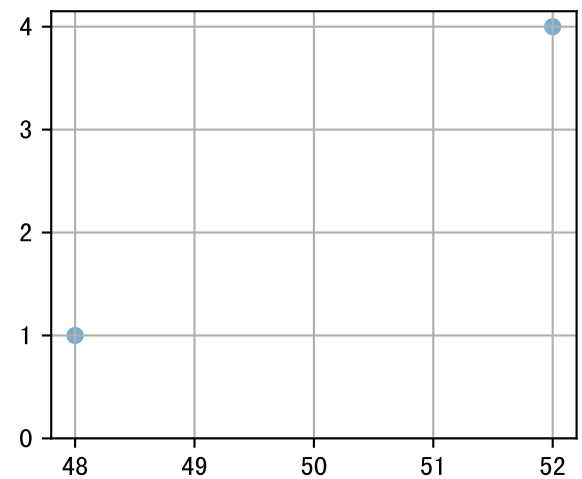
P10AW-054-10T1



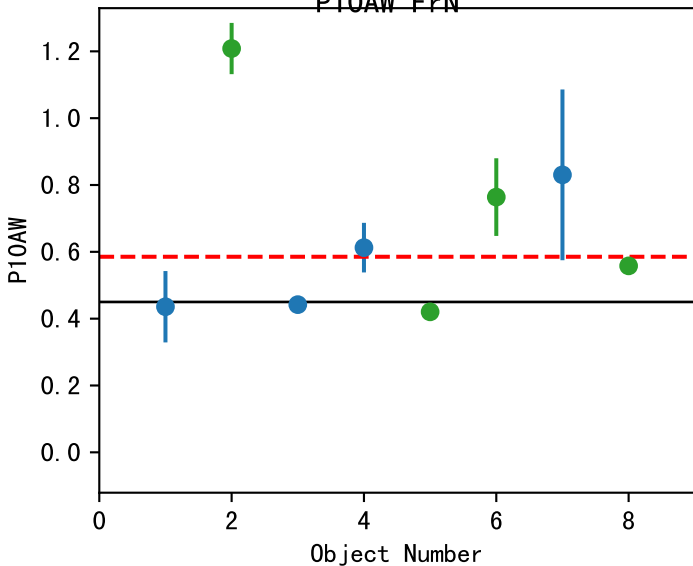
P10AW-054-10T2



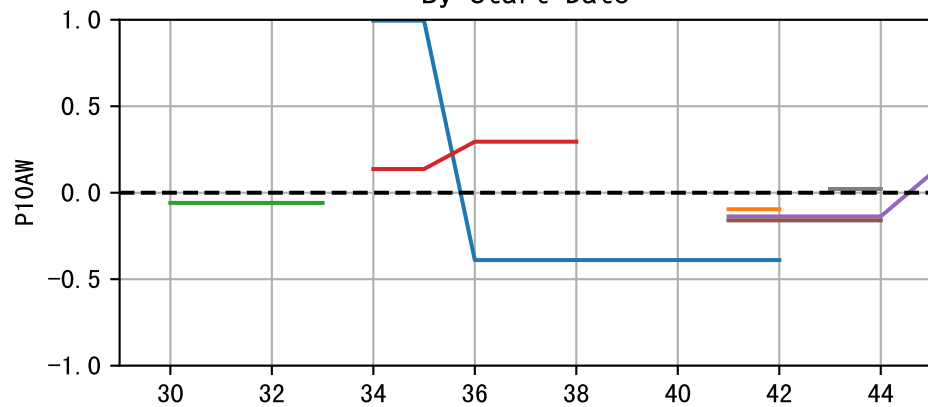
P10AW-054-10T3 (fit failed)



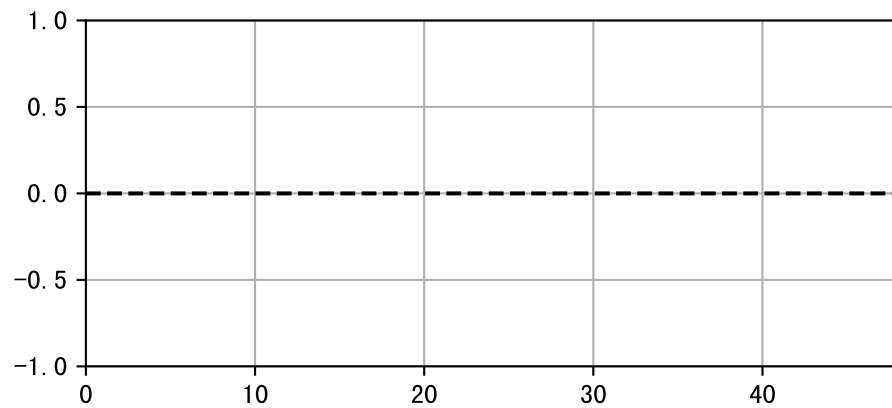
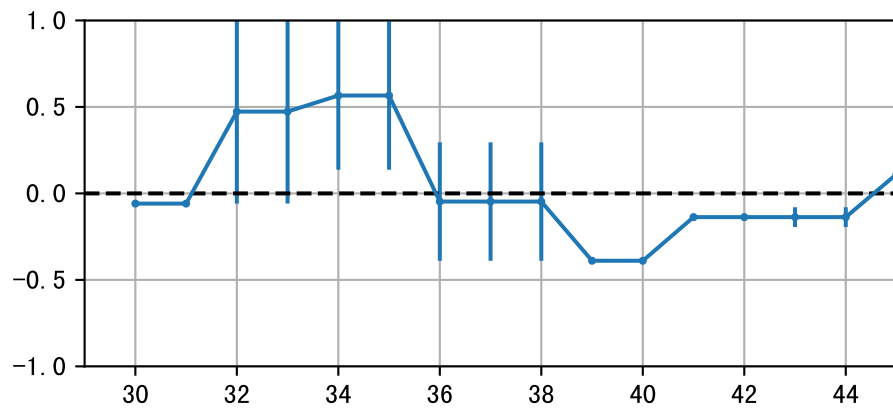
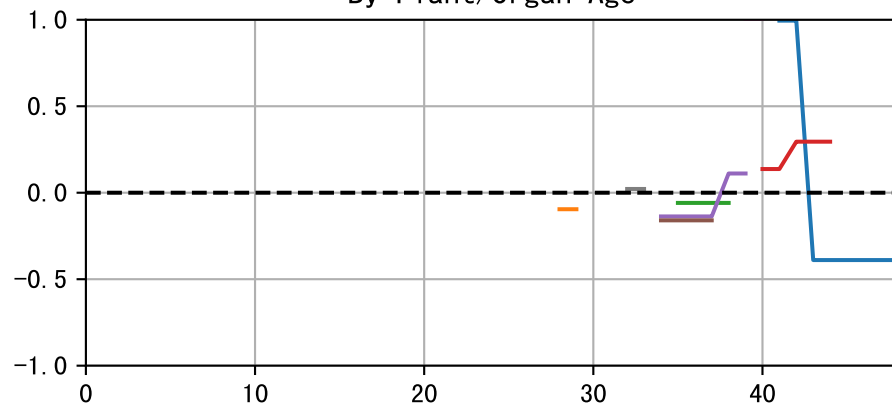
a (Def=0.45 Set=0.59)
avg1=0.59~46% avg2=na



By Start Date

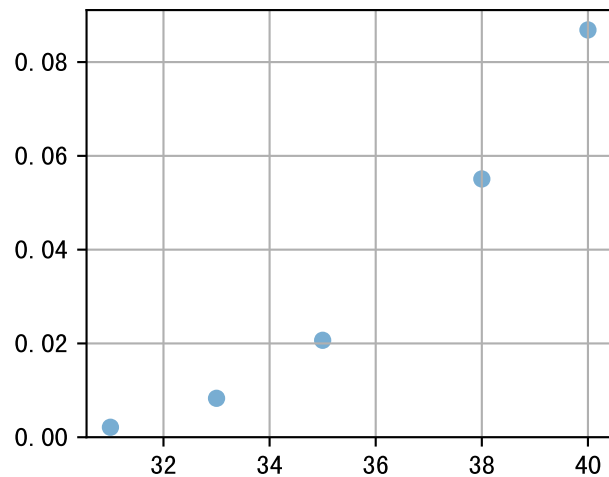


By Plant/Organ Age

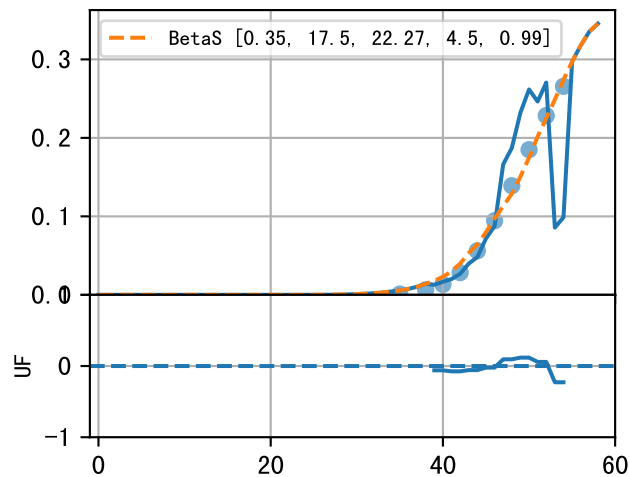


FrV

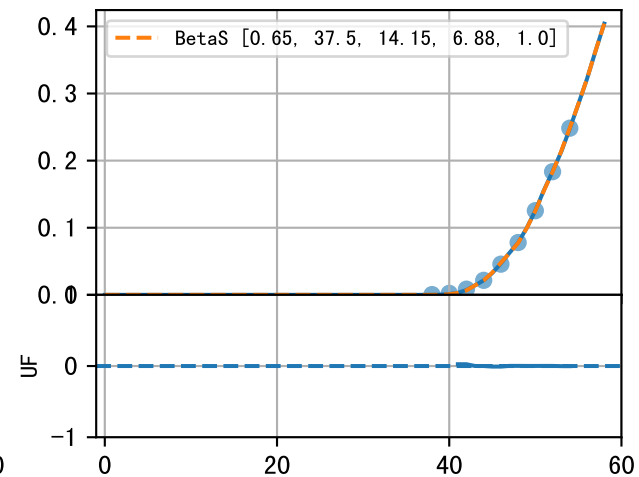
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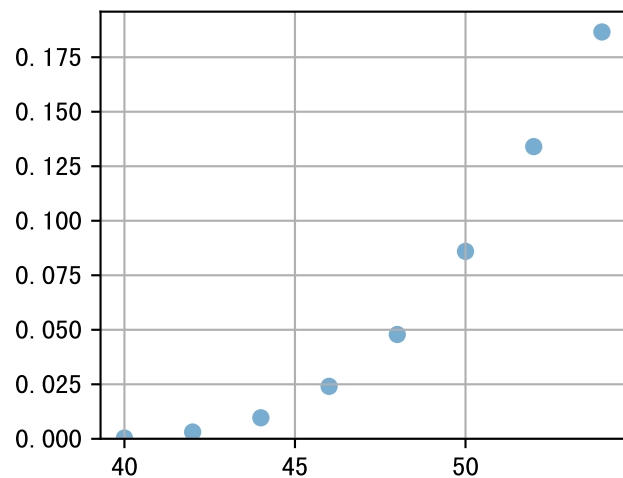
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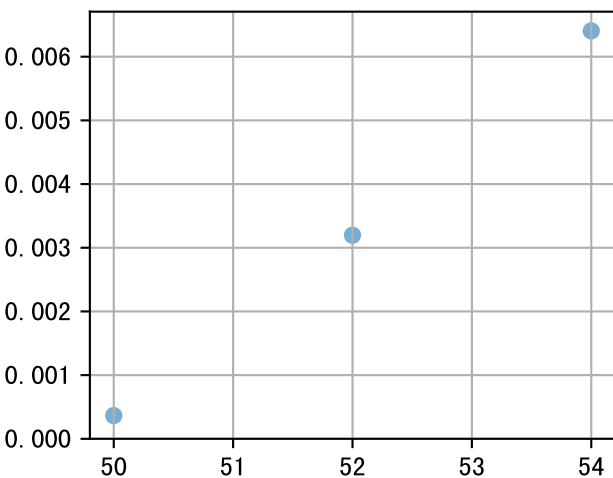
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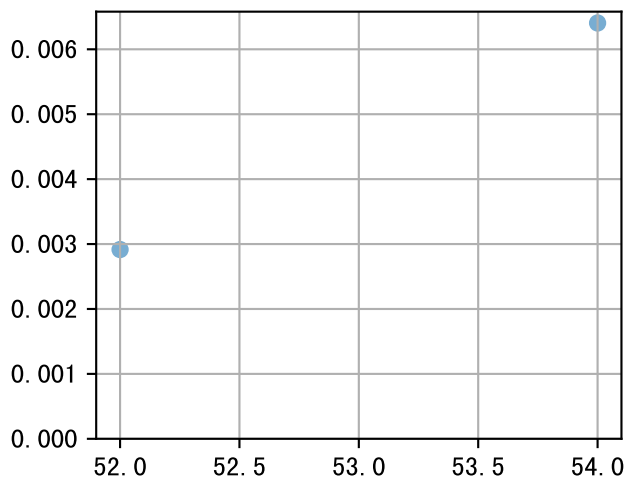
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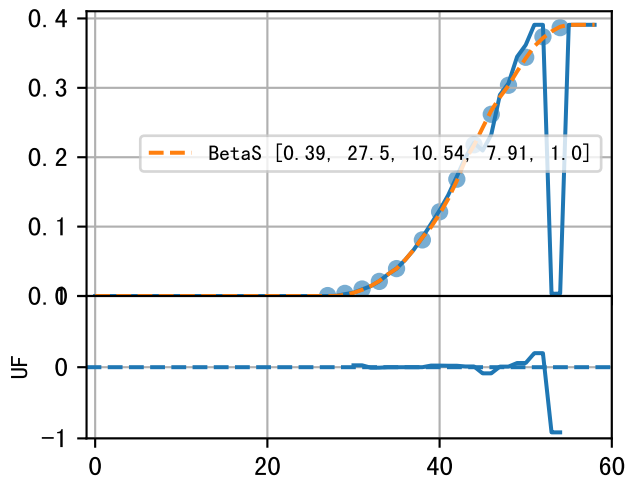
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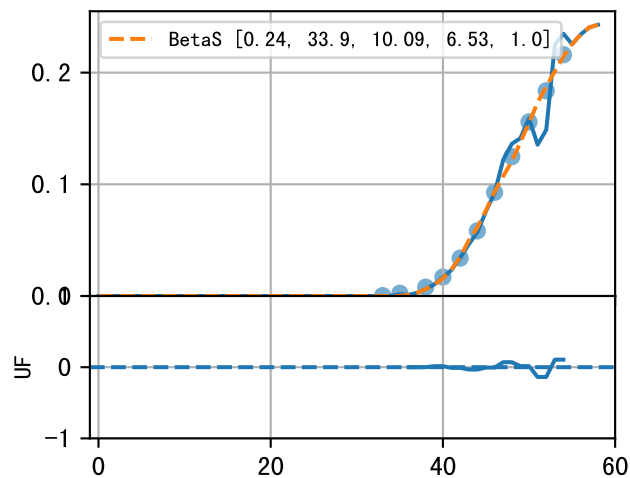
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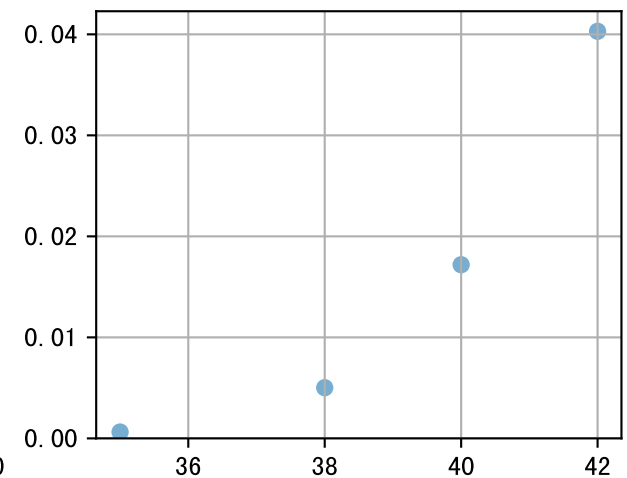
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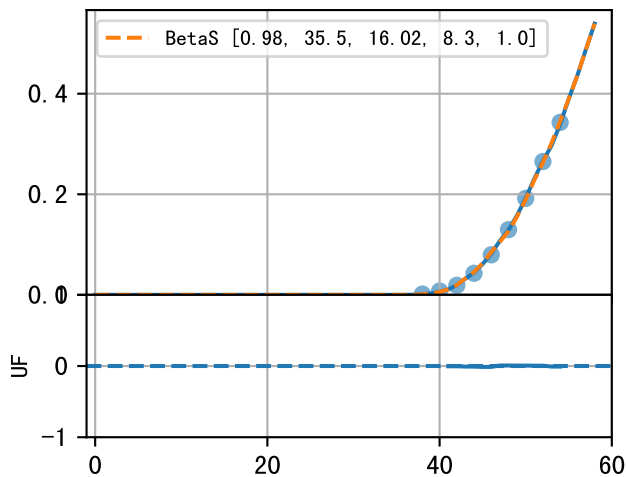
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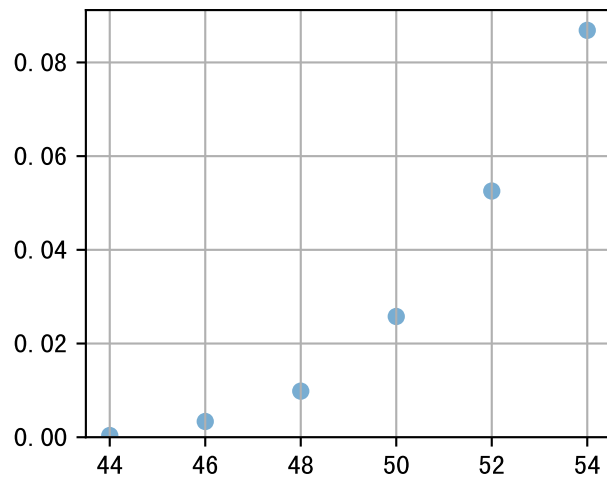
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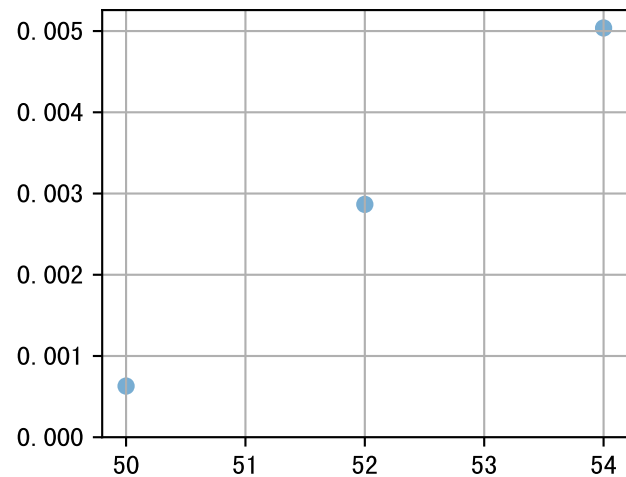
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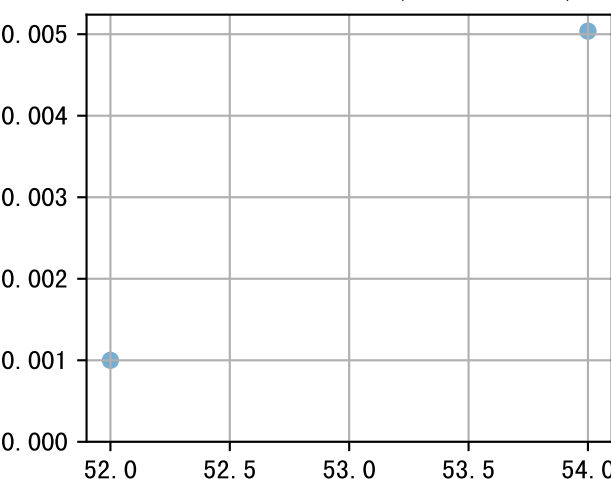
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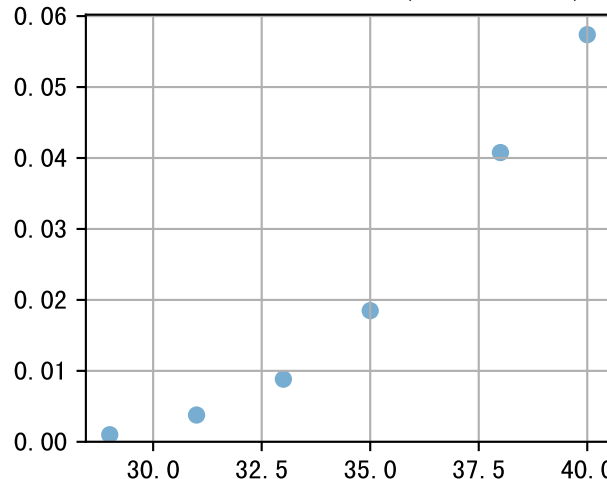
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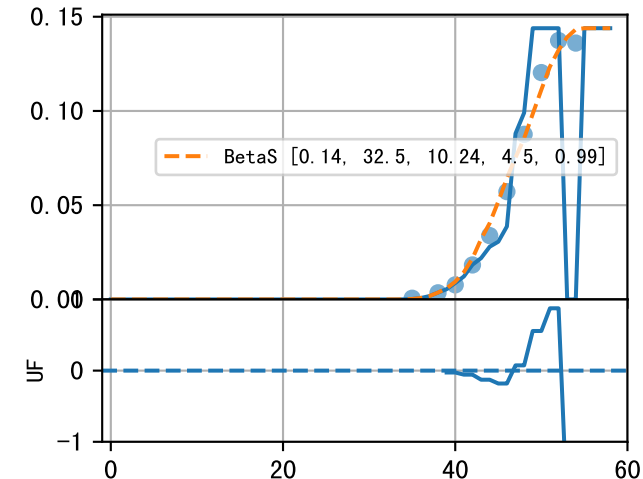
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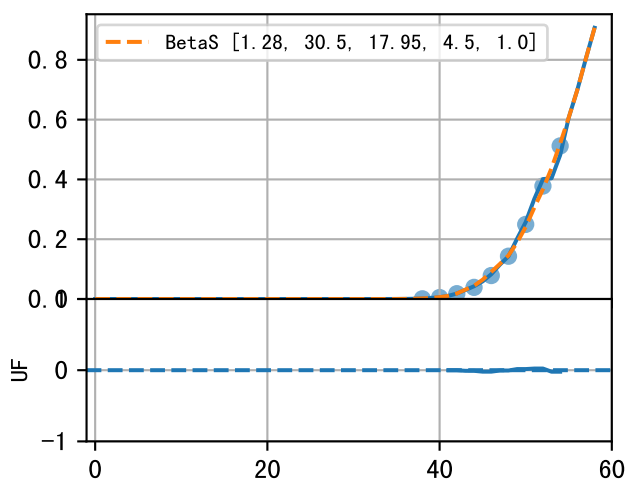
P10AW-029-30T1Fr1 (fit failed)



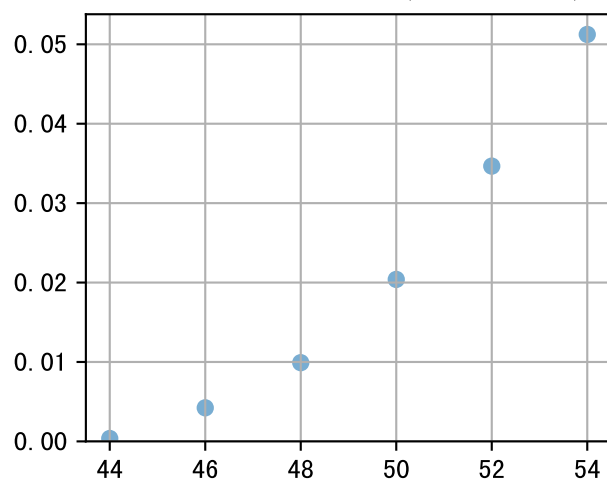
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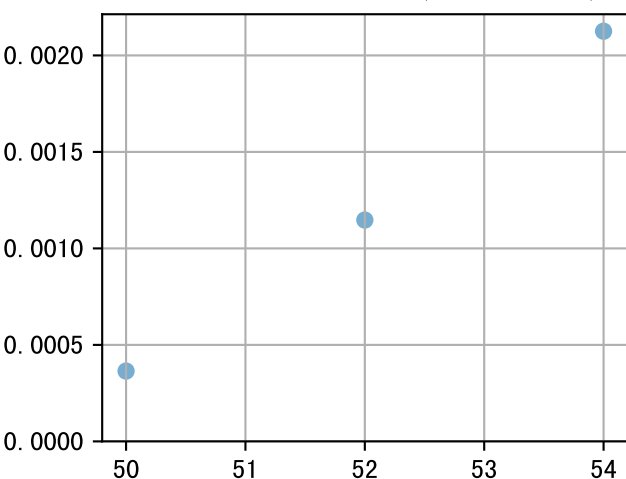
P10AW-029-30T2Fr1



P10AW-029-30T2Fr5 (fit failed)

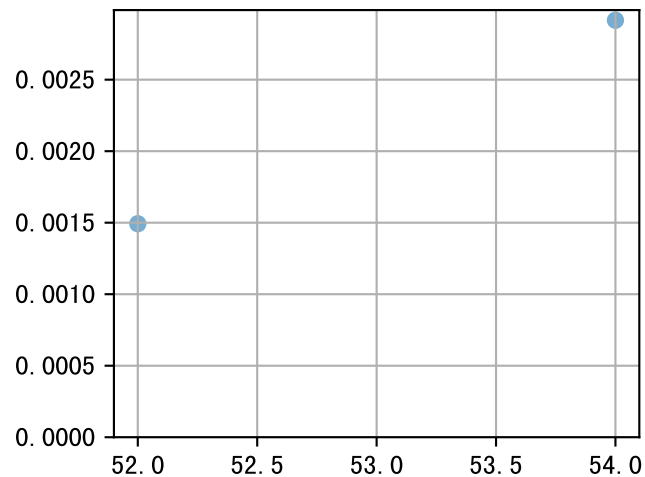


P10AW-029-30T3Fr1 (fit failed)

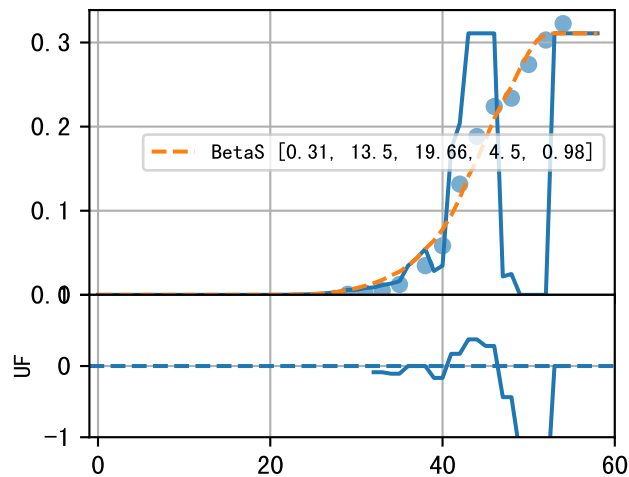


FrY

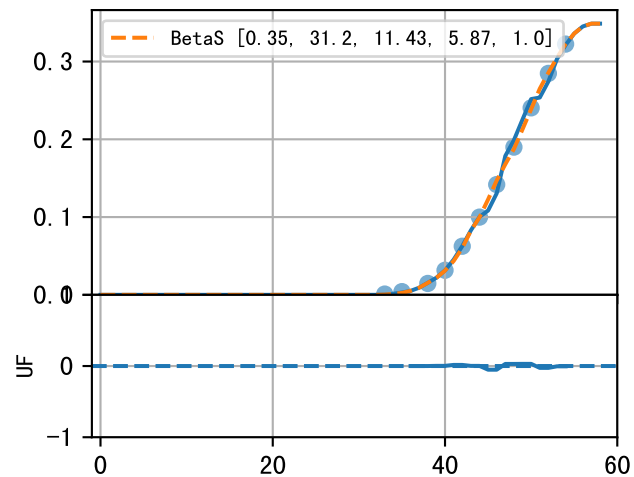
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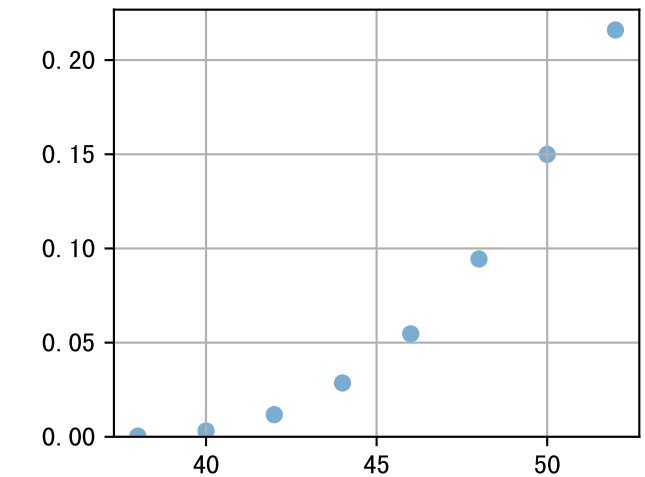
P10AW-041-24T1Fr1



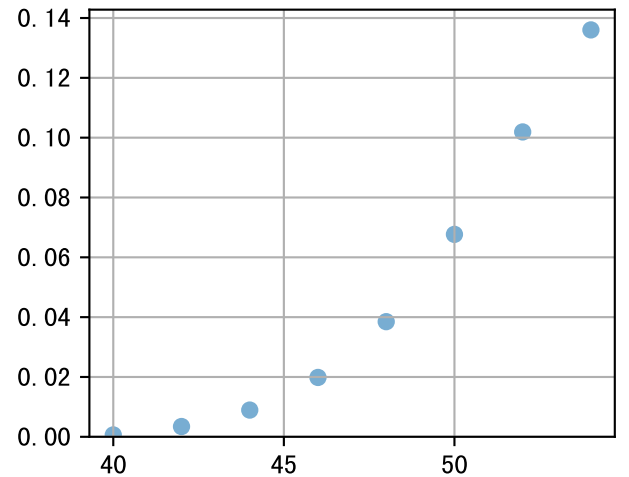
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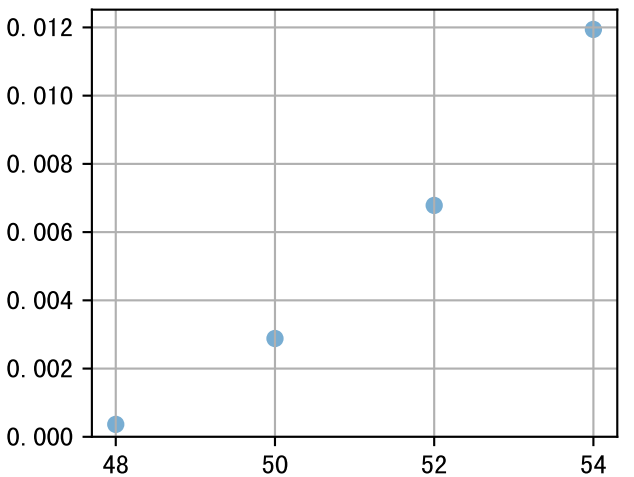
P10AW-041-24T2Fr1 (fit failed)



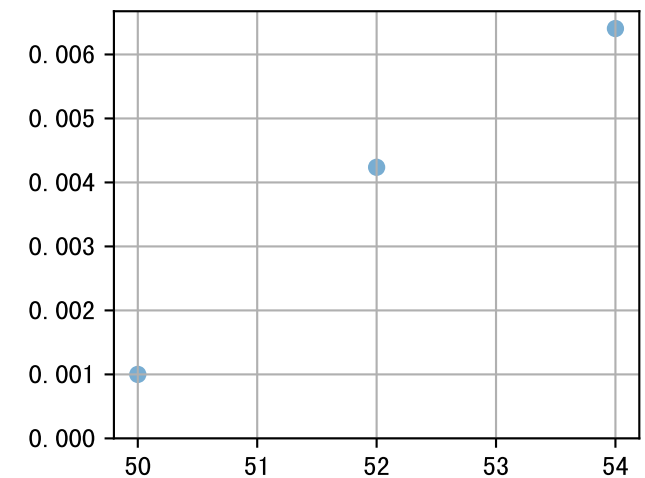
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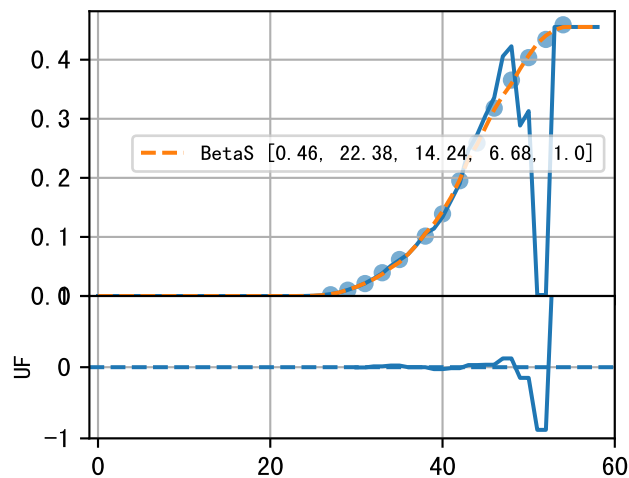
P10AW-041-24T3Fr1 (fit failed)



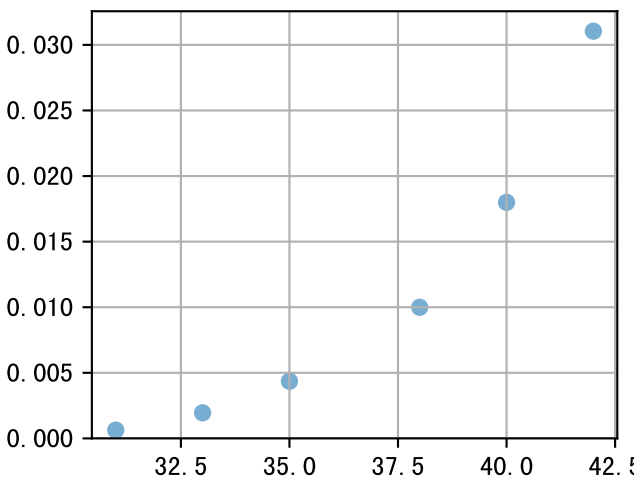
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P10AW-054-10T1Fr1

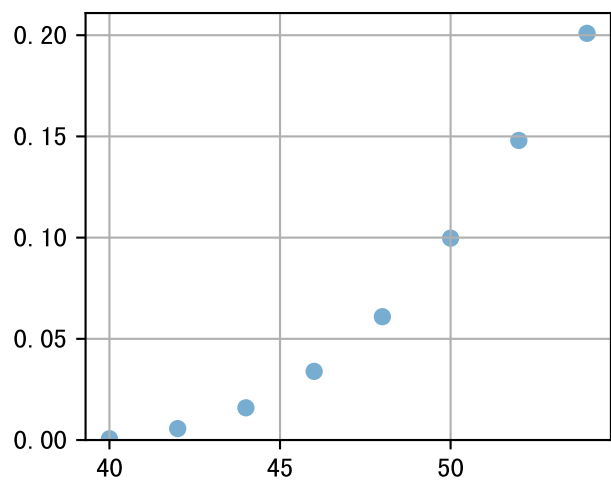


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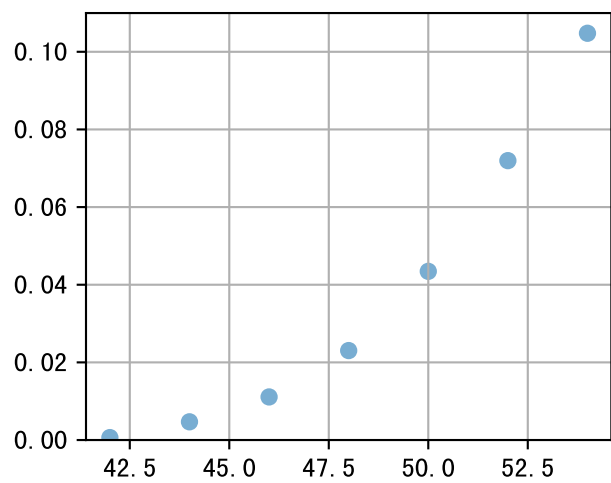


FrV

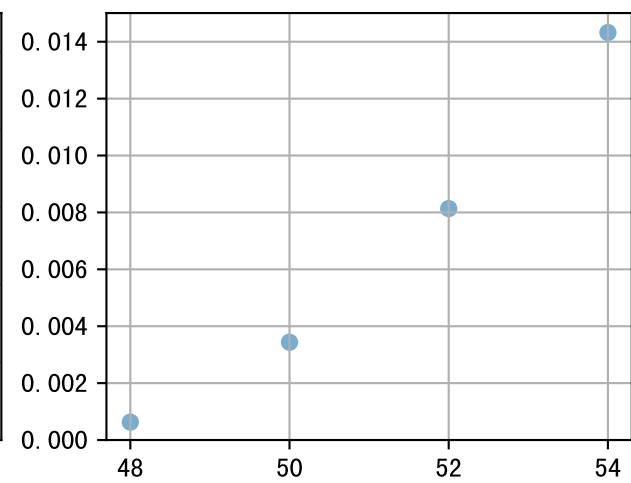
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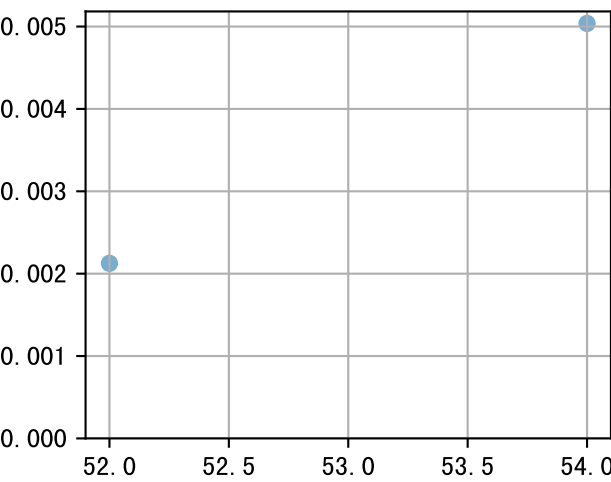
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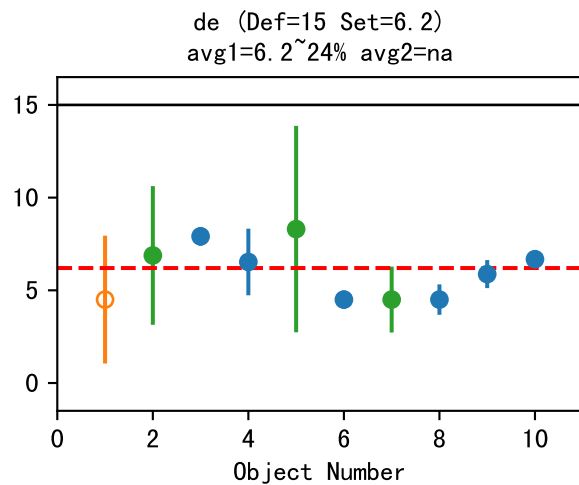
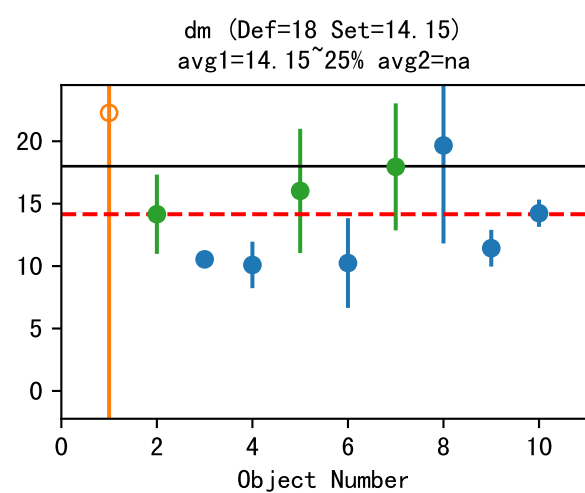
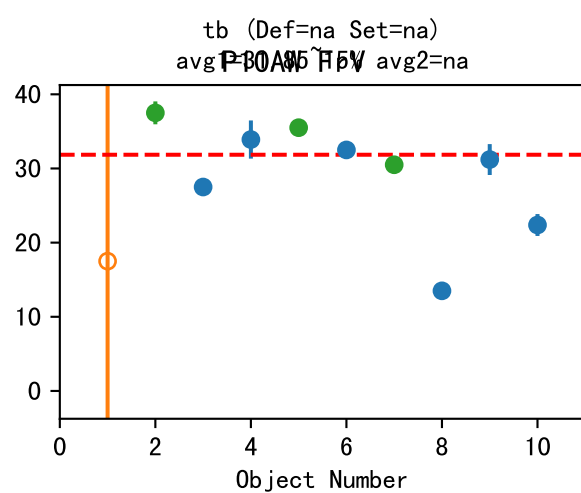
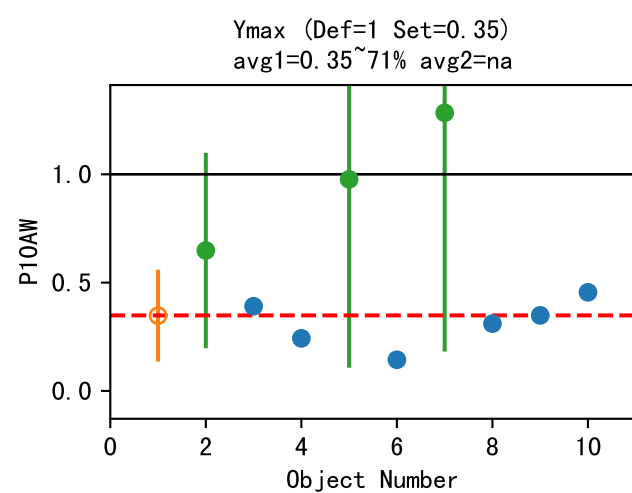


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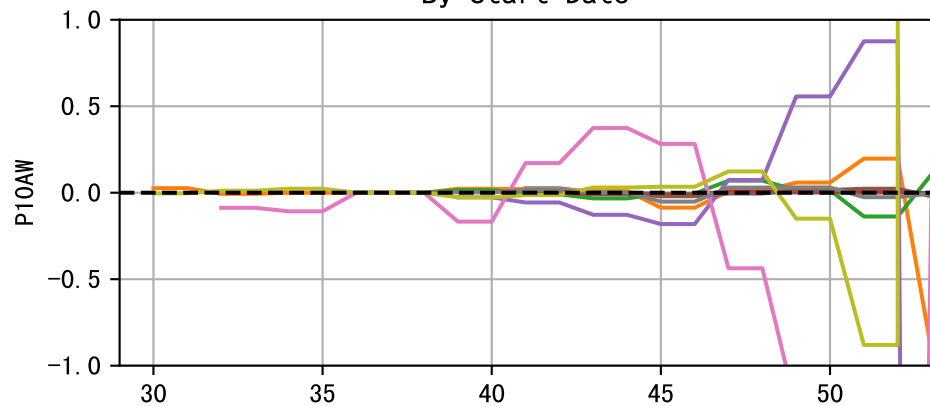


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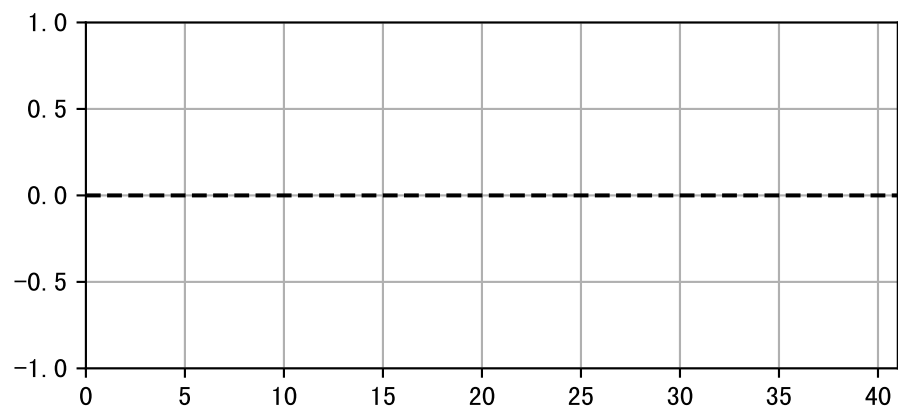
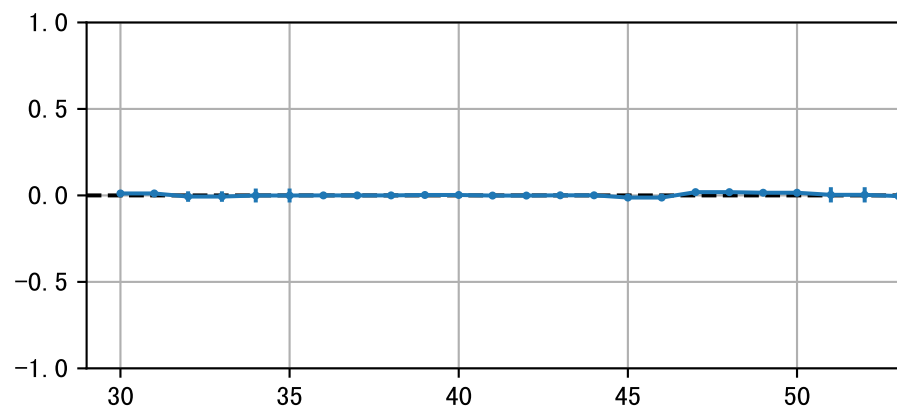
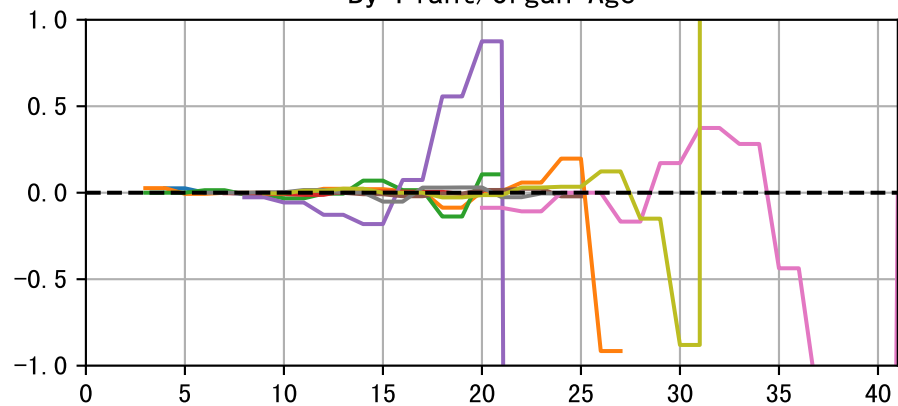




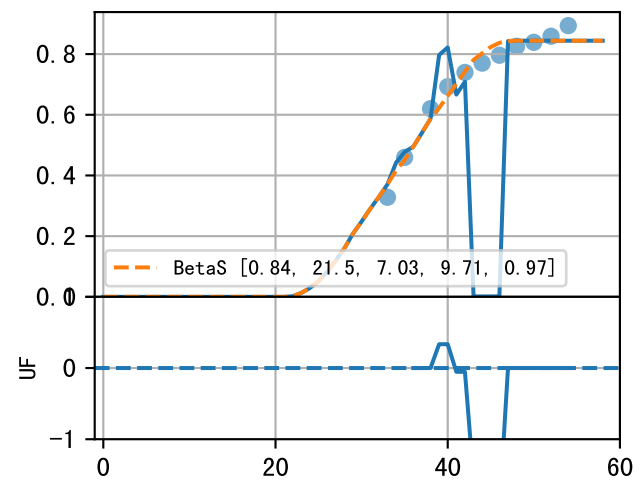
By Start Date



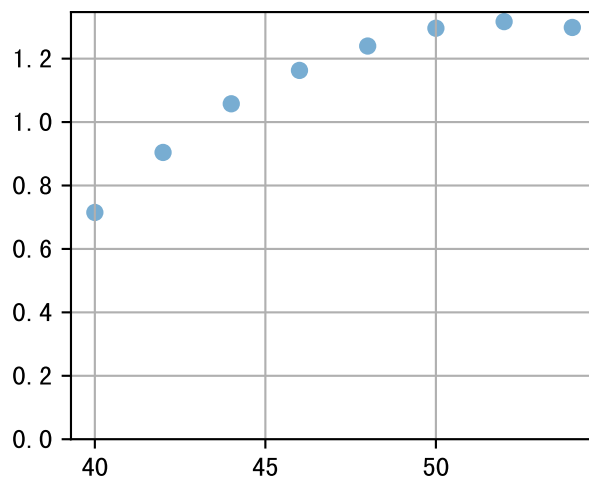
By Plant/Organ Age



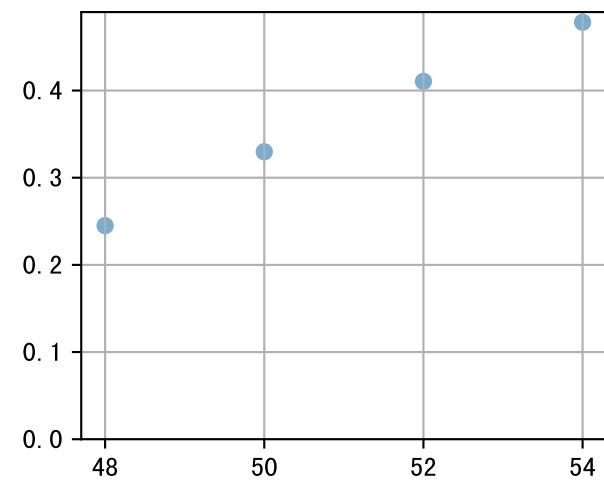
P10AW-003-11L11



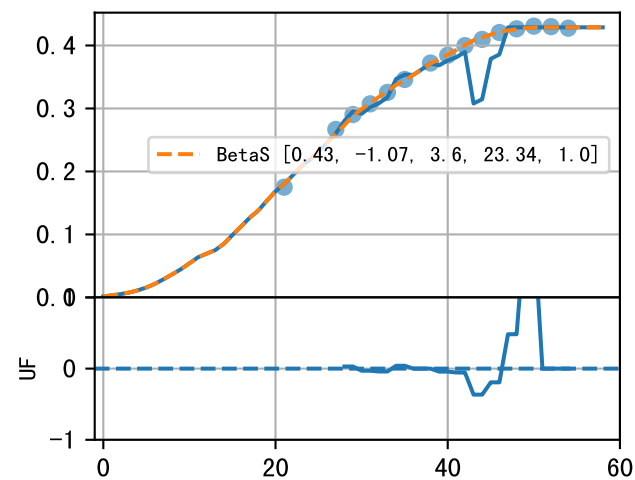
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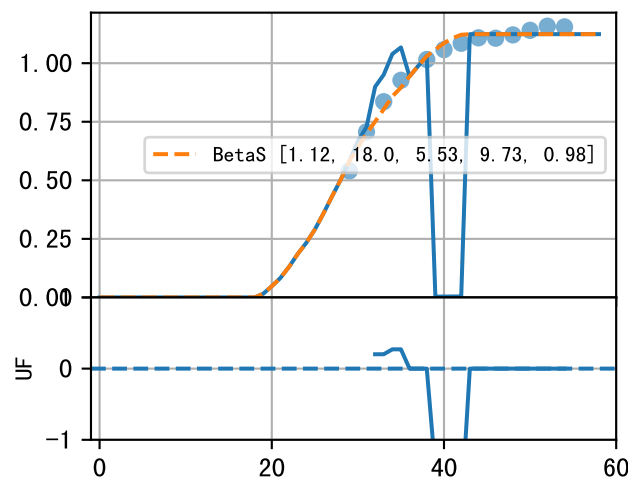
P10AW-003-11L17 (fit failed)



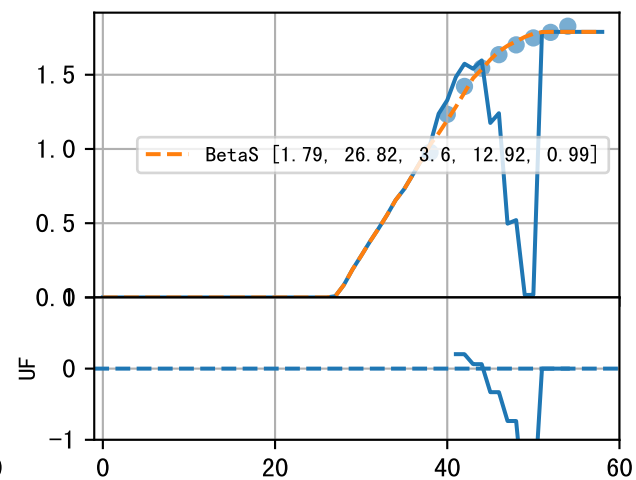
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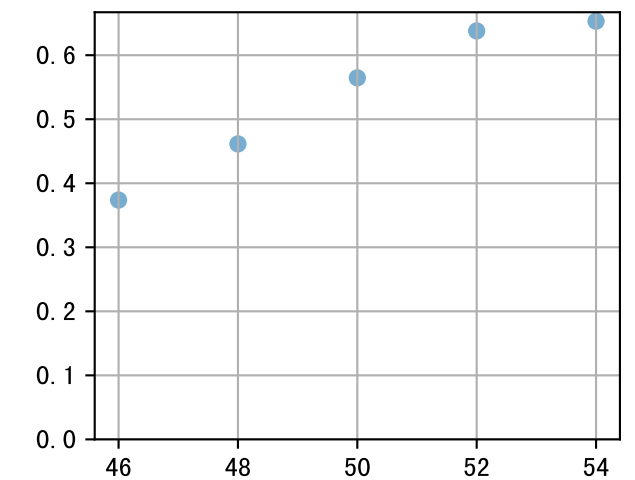
P10AW-016-3L10 (fit failed)



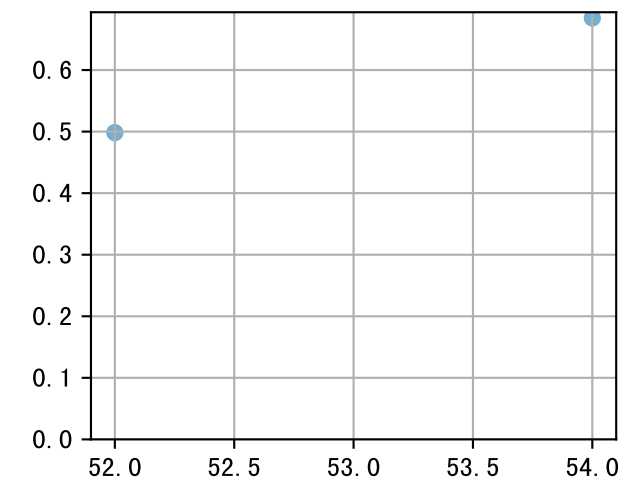
P10AW-016-3L13



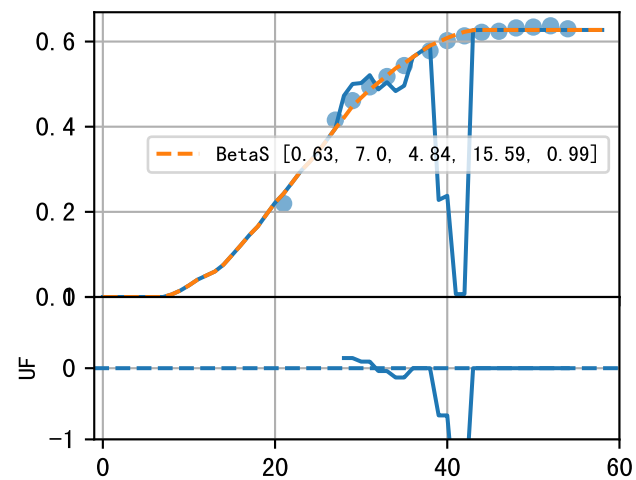
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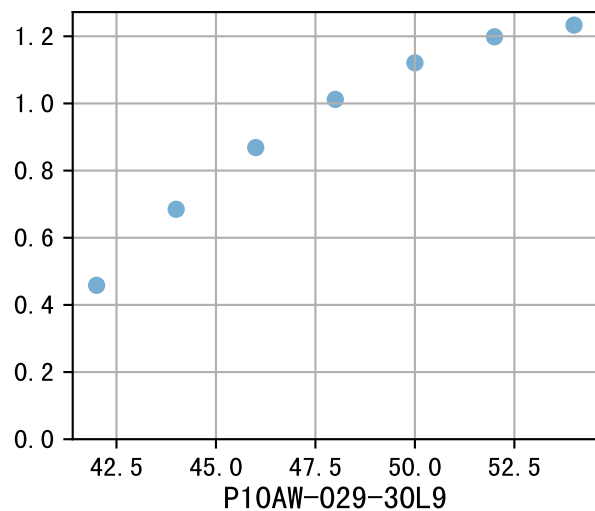
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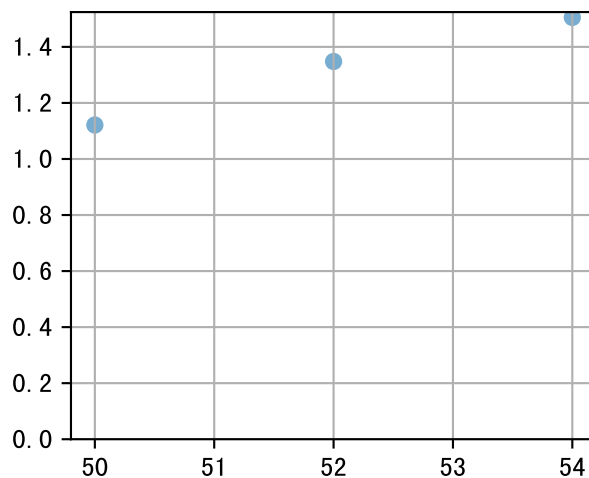
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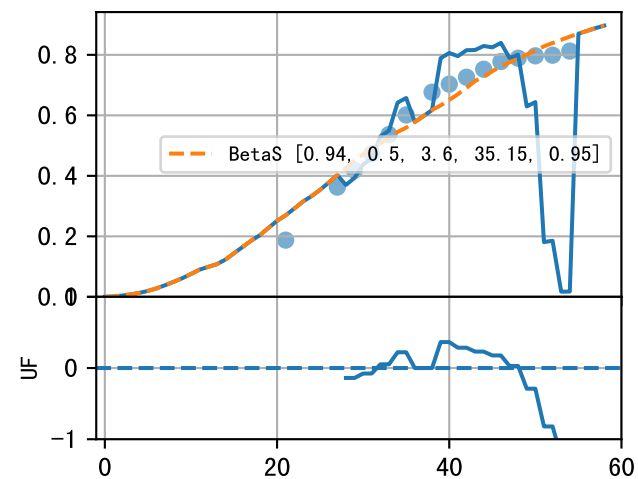
P10AW-029-30L12 (fit failed)



P10AW-029-30L15 (fit failed)



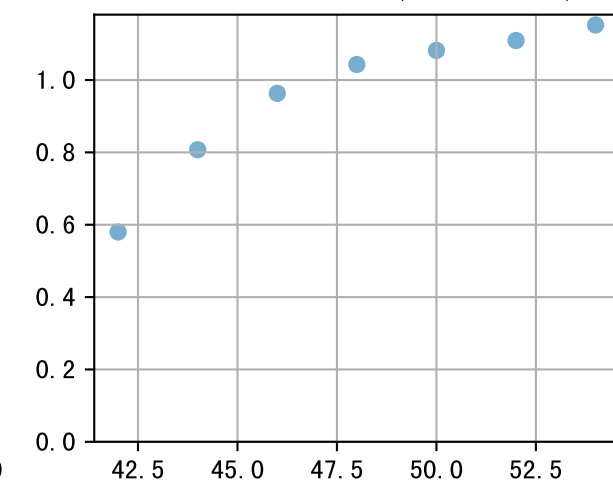
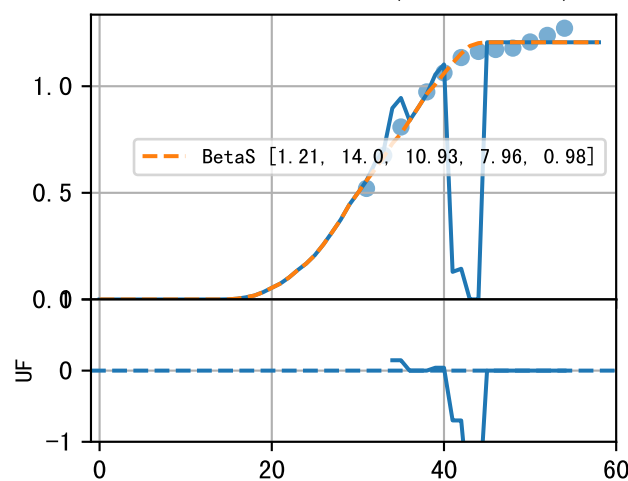
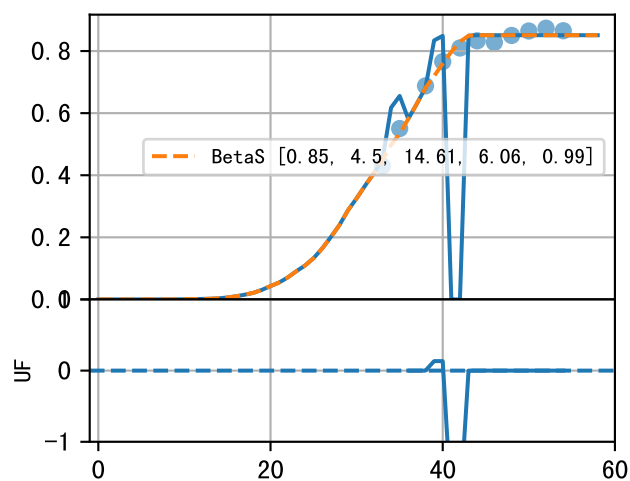
P10AW-029-30L6 (fit failed)



P10AW-029-30L9

P10AW-041-24L10 (fit failed)

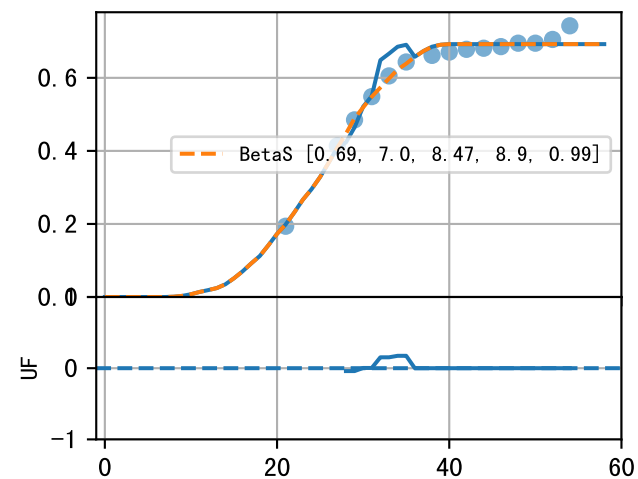
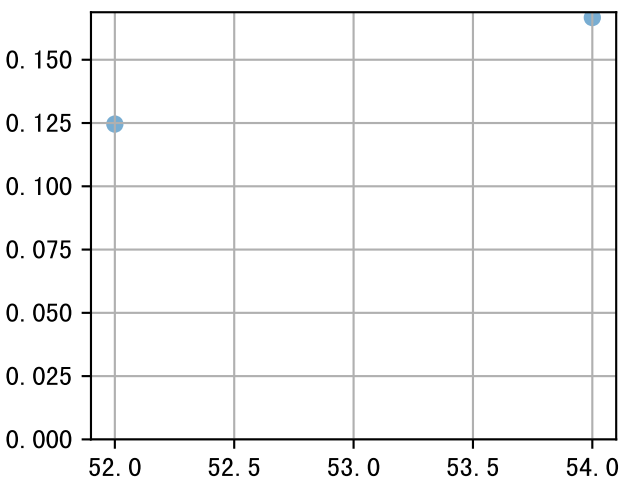
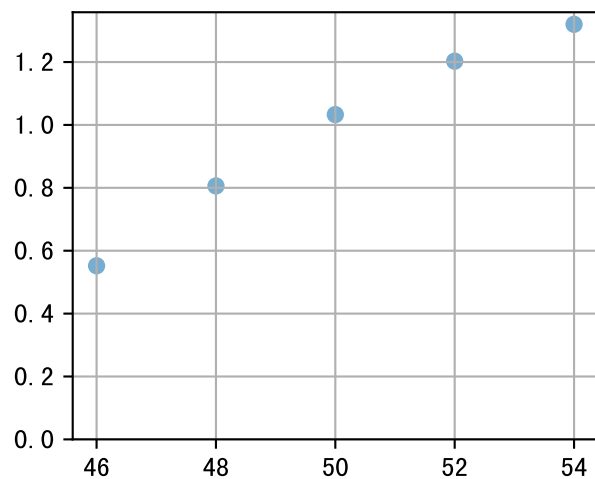
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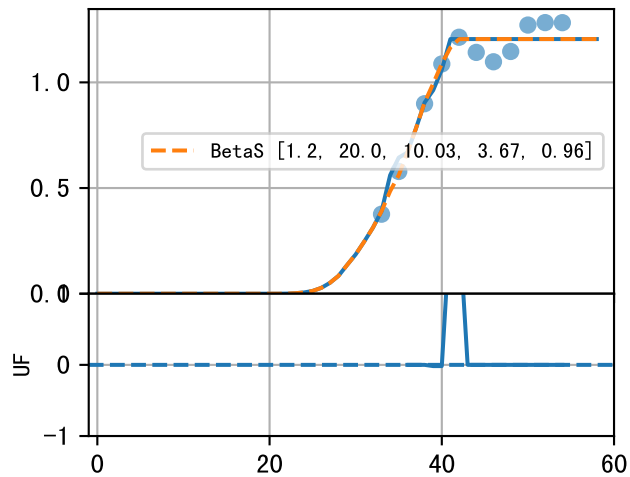
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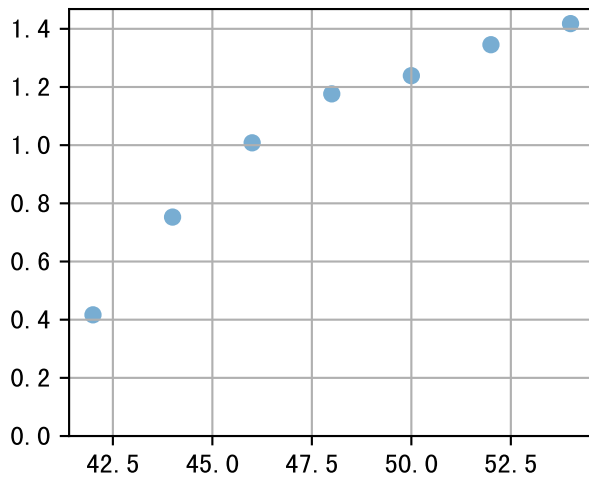
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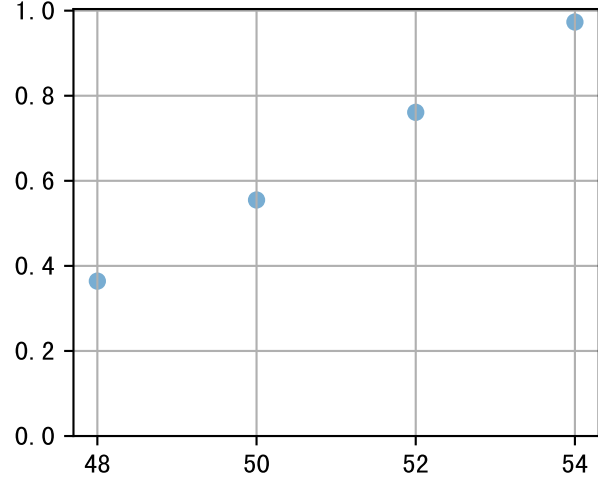
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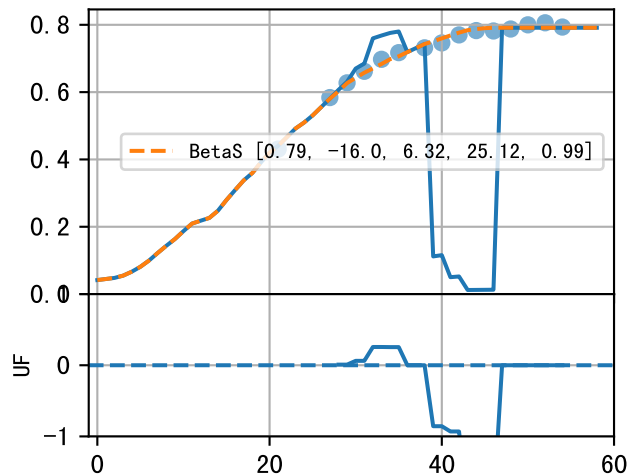
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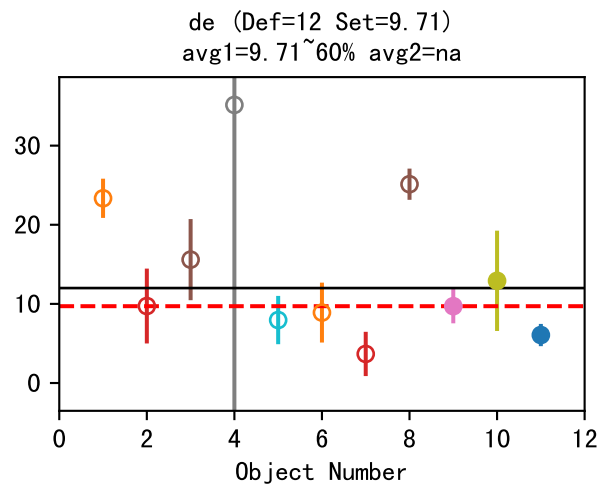
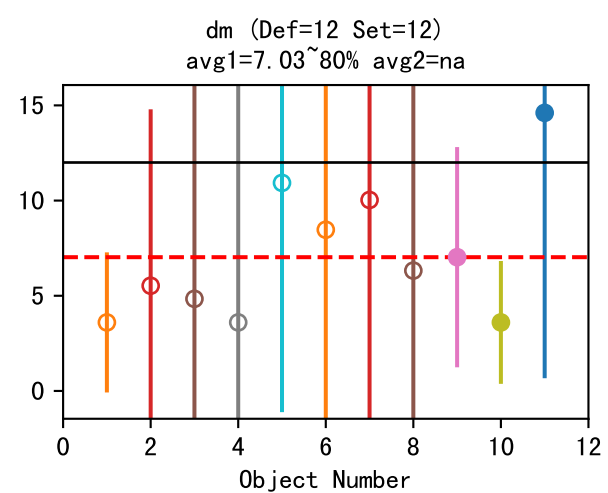
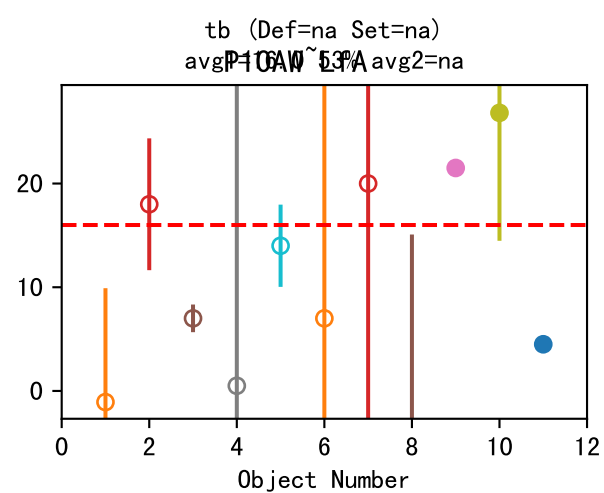
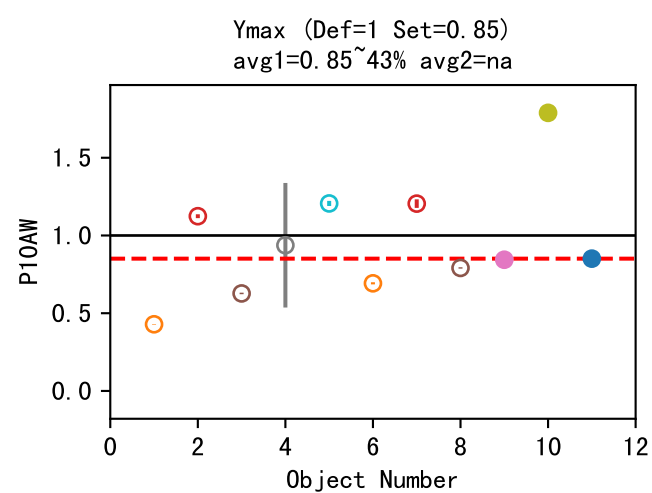


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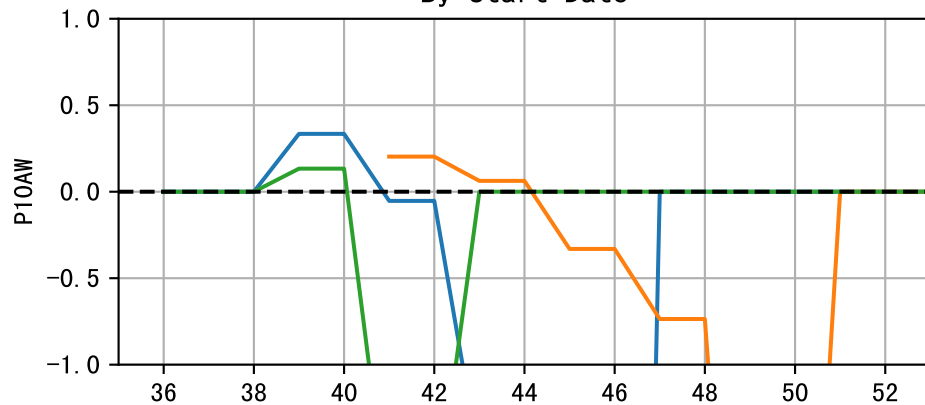


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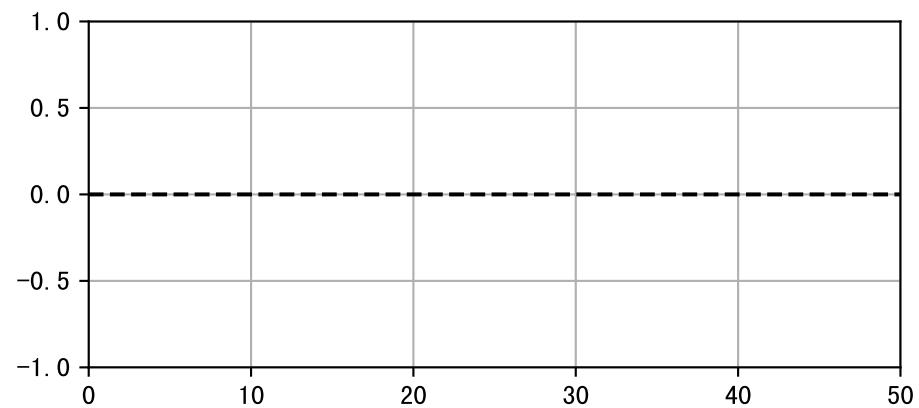
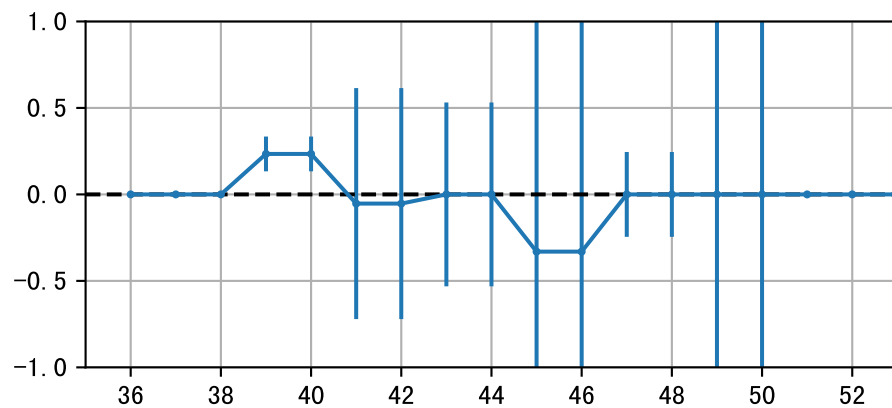
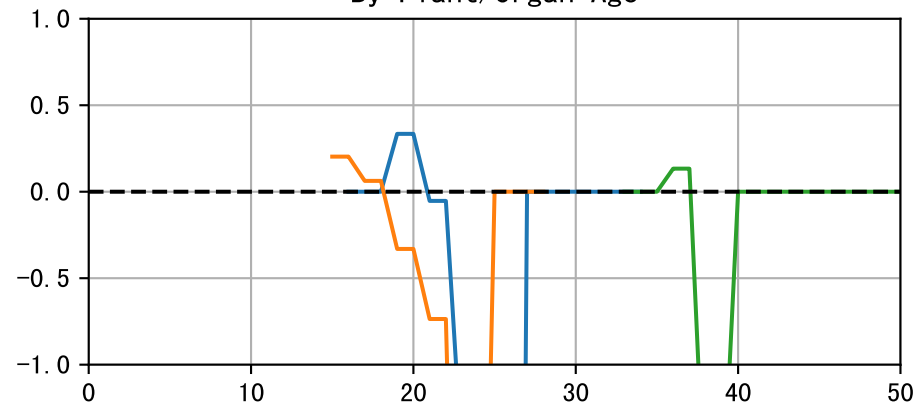


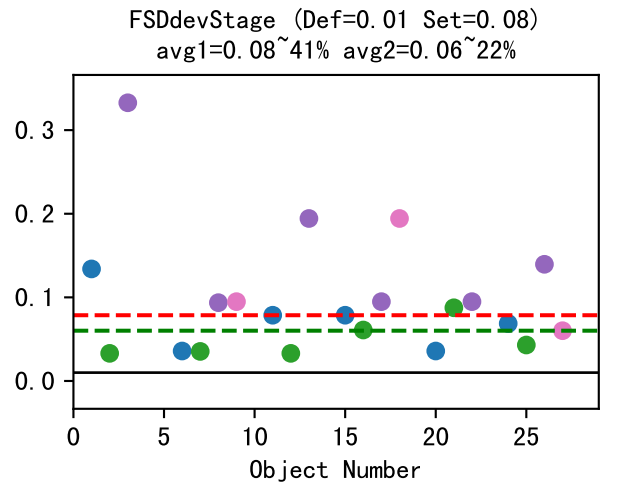
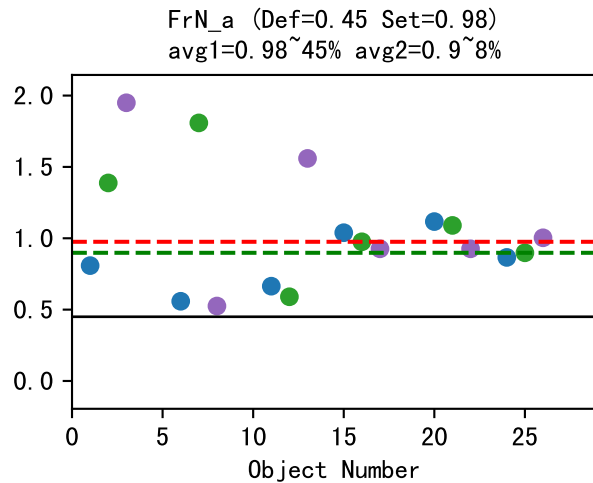
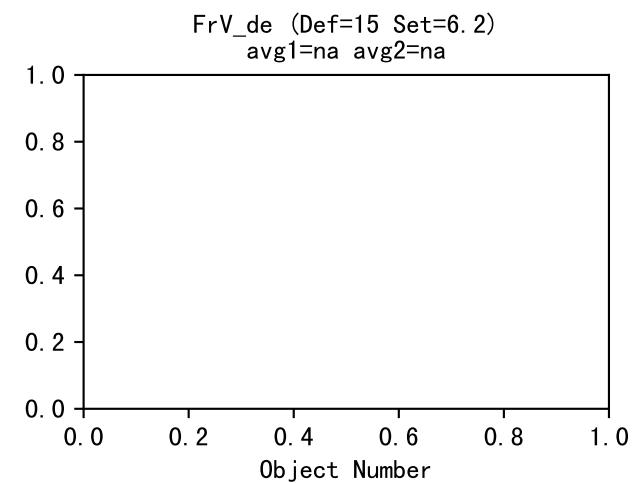
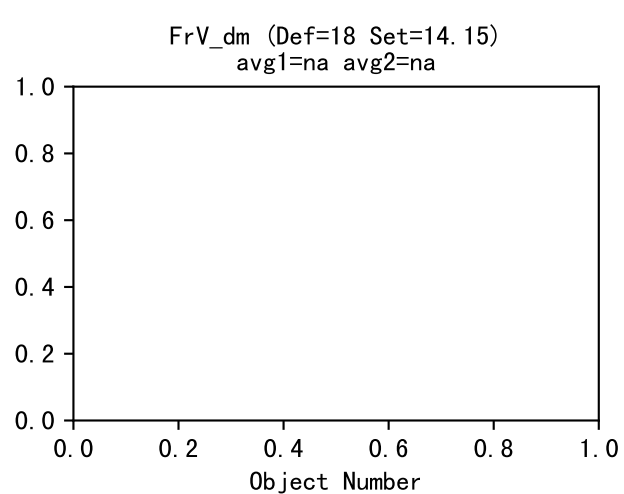
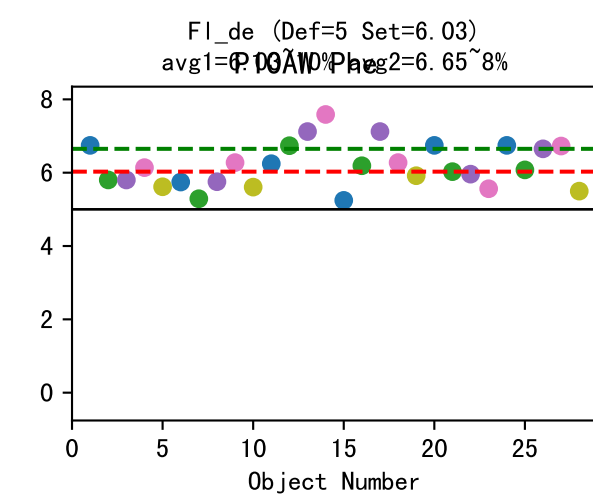
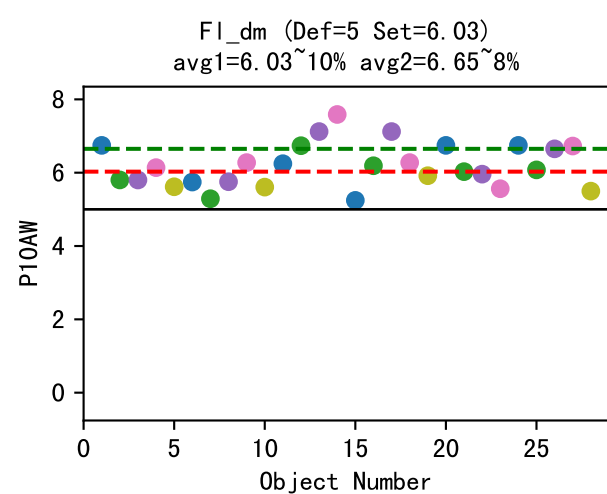


By Start Date

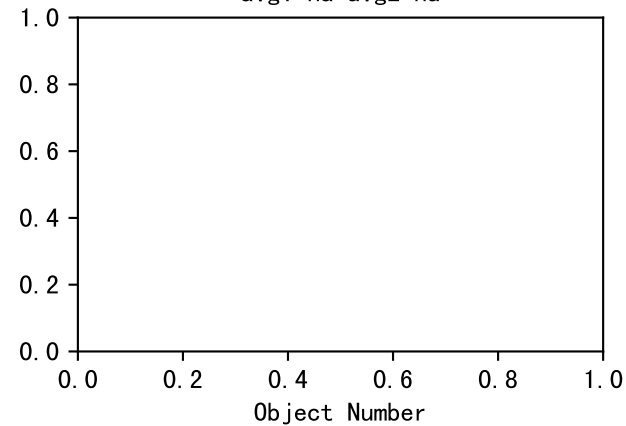


By Plant/Organ Age

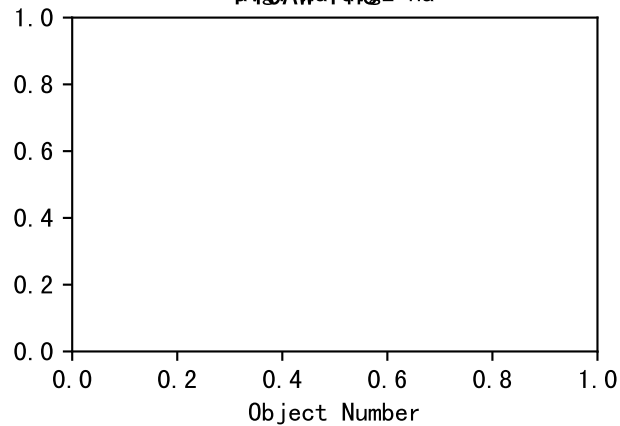




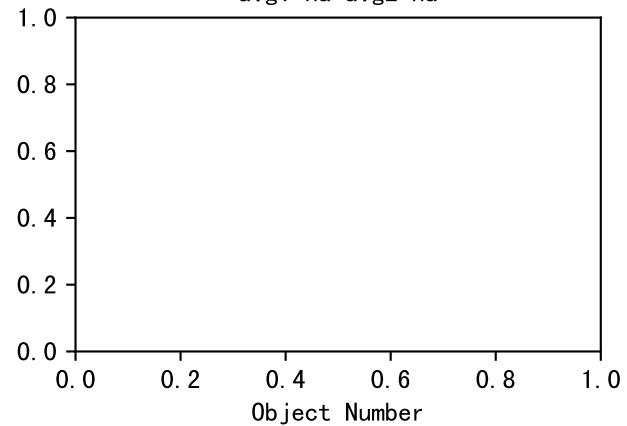
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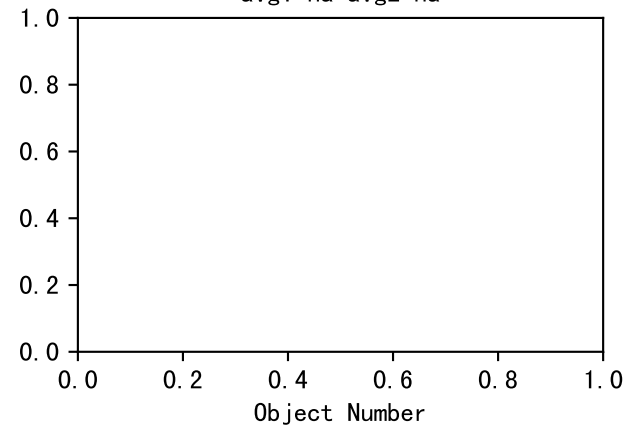
FMBDevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



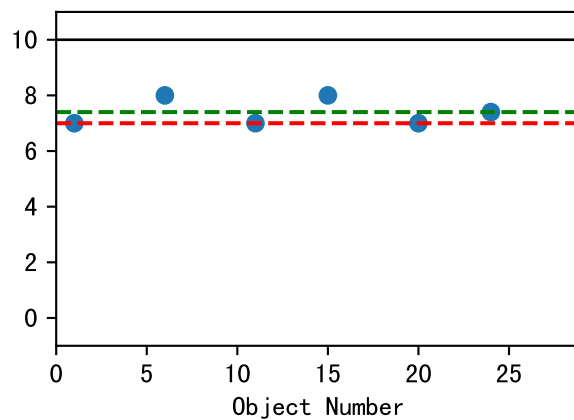
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

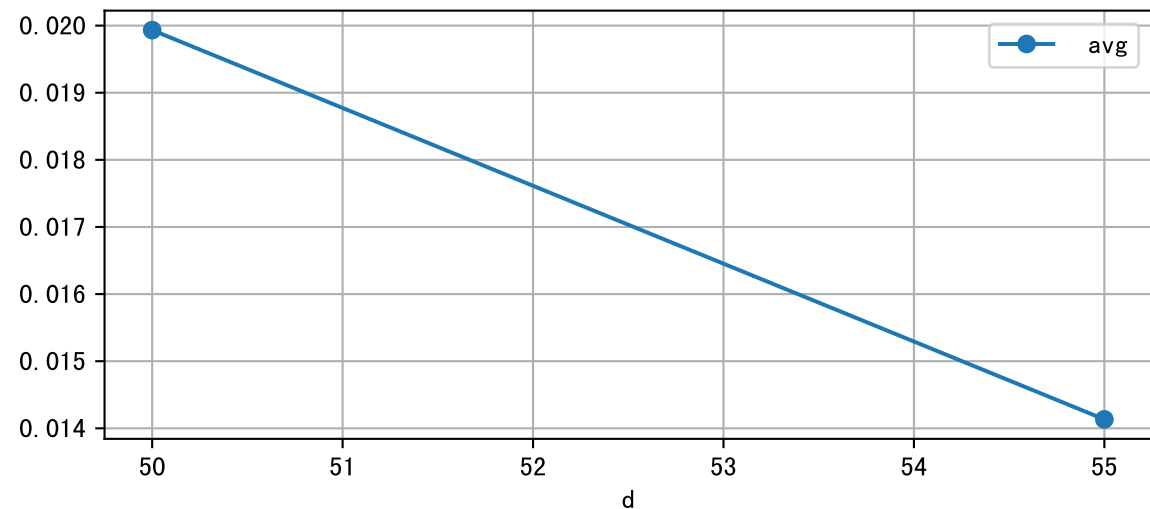


NNgen (Def=10 Set=7)
avg1=7.0~8% avg2=7.4

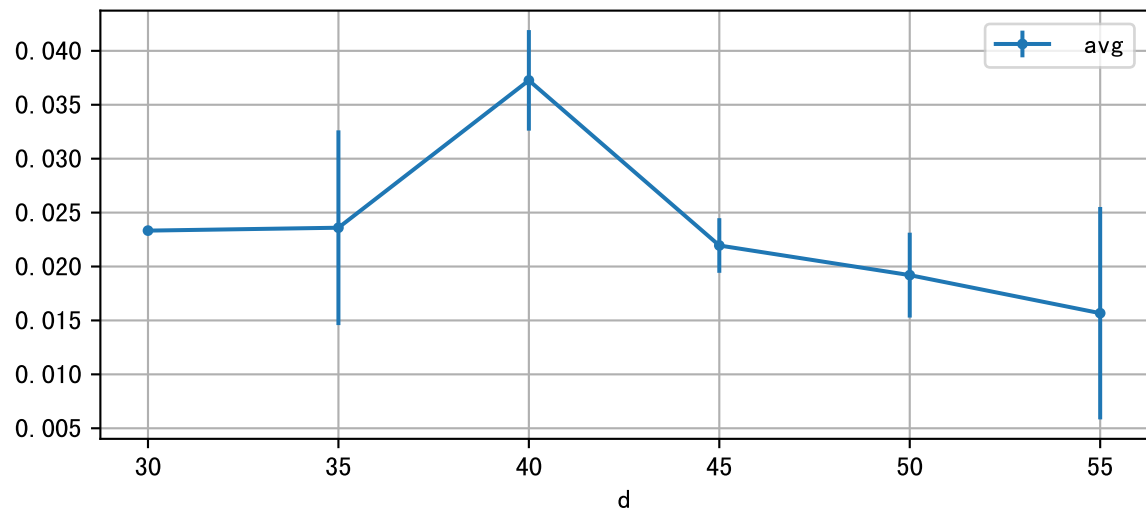


LfA: avg vs. d at each age group

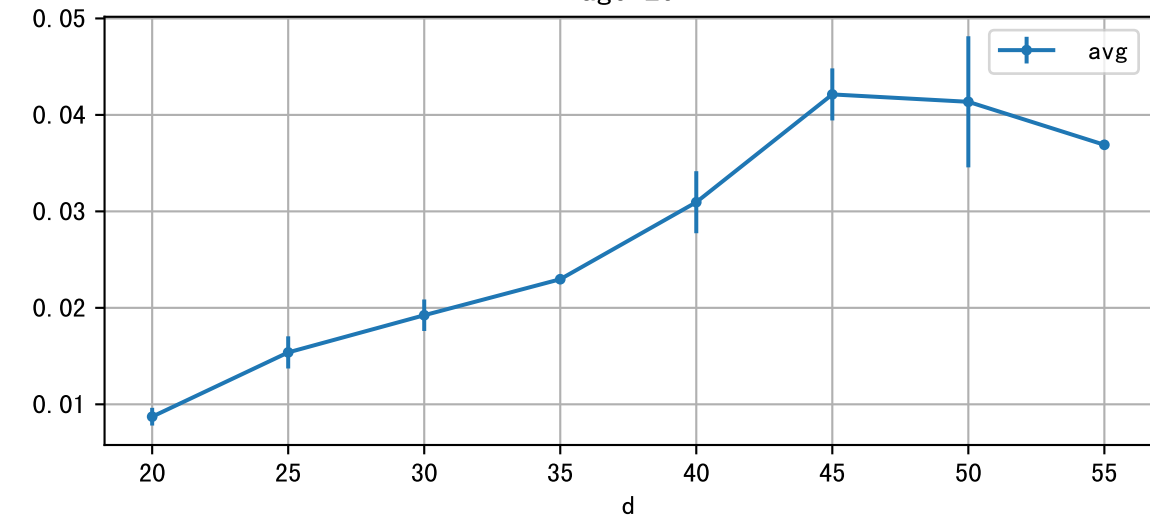
age=15



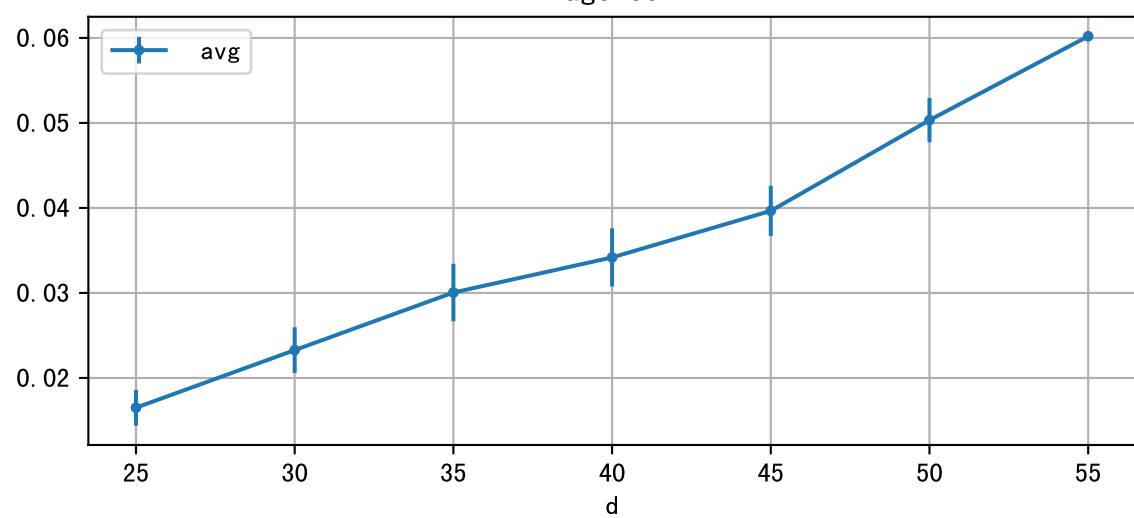
age=20



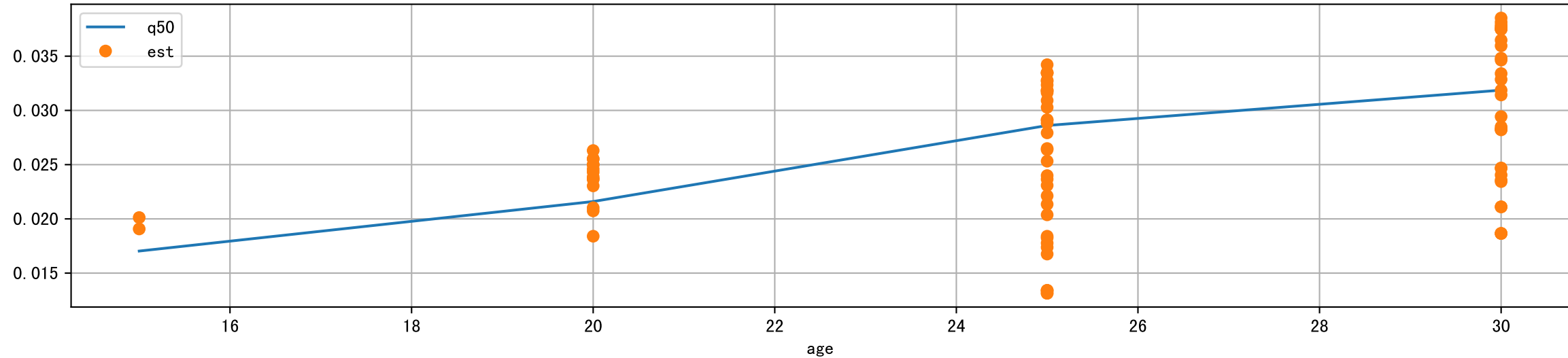
age=25



age=30

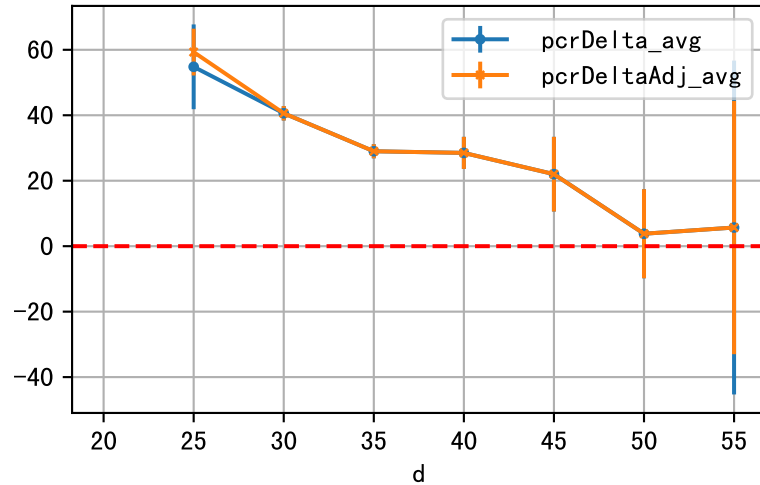


LfA: model est vs obs0v@Q50

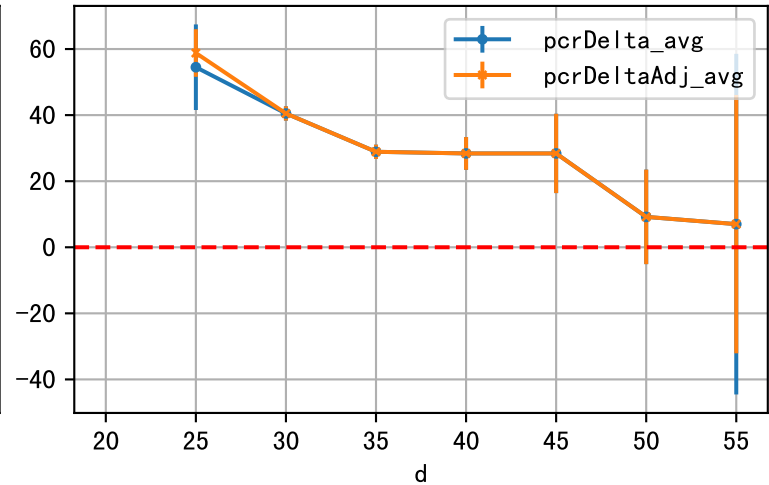


P10AW LfA: D_5d_LfA

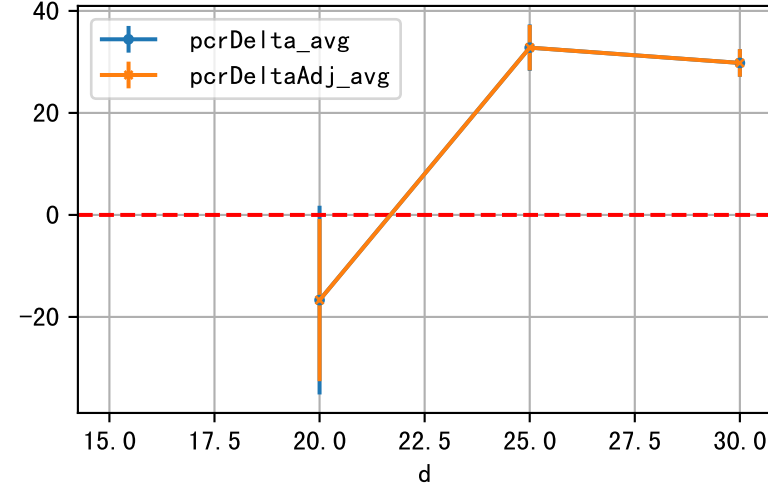
DeltaTypeAbbr=GrpByDay



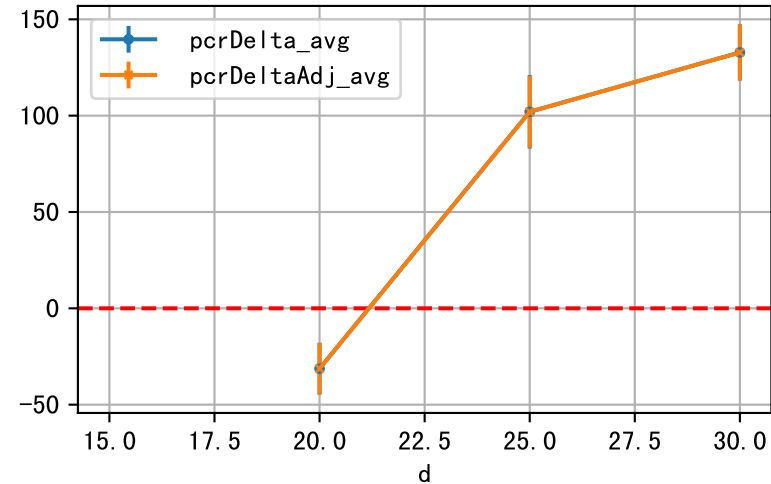
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

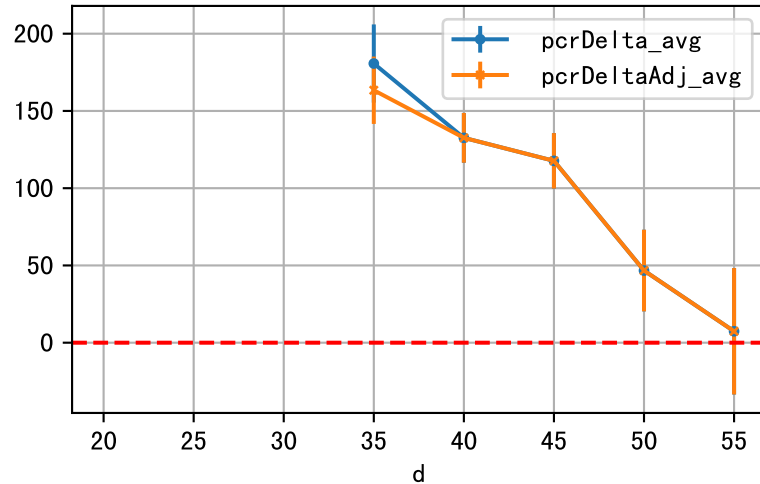


DeltaTypeAbbr=GrpByAge

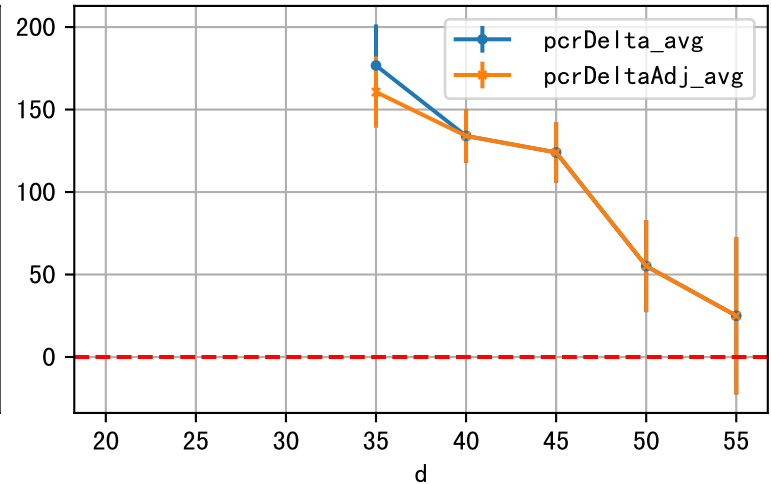


P10AW LfA: D_15d_LfA

DeltaTypeAbbr=GrpByDay

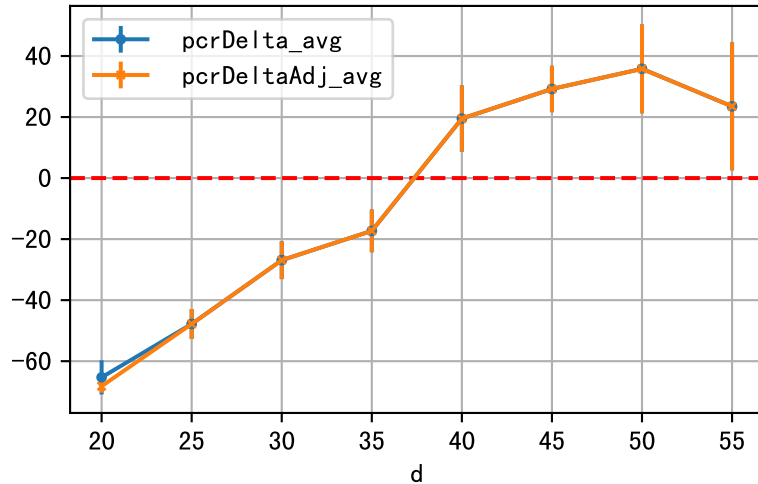


DeltaTypeAbbr=WeiAvgByD

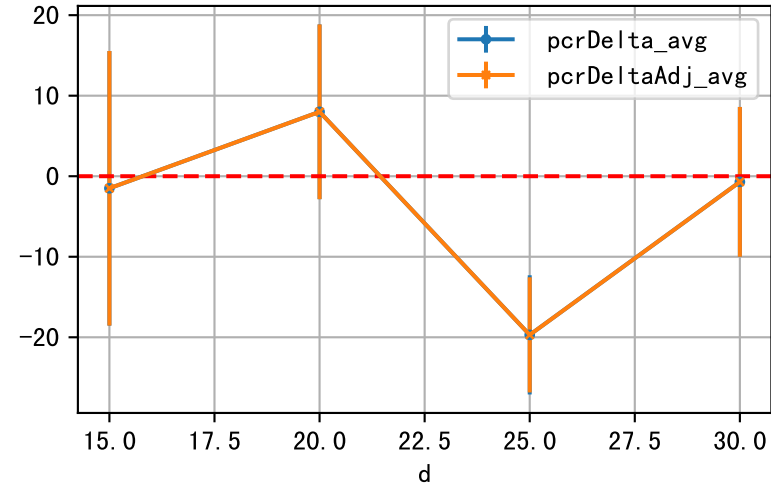


P10AW LfA: D_Q50_LfA

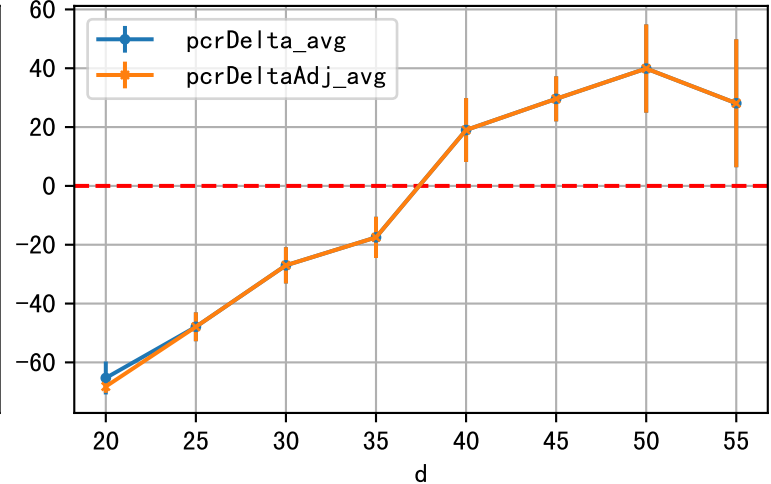
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=Wei AvgByD

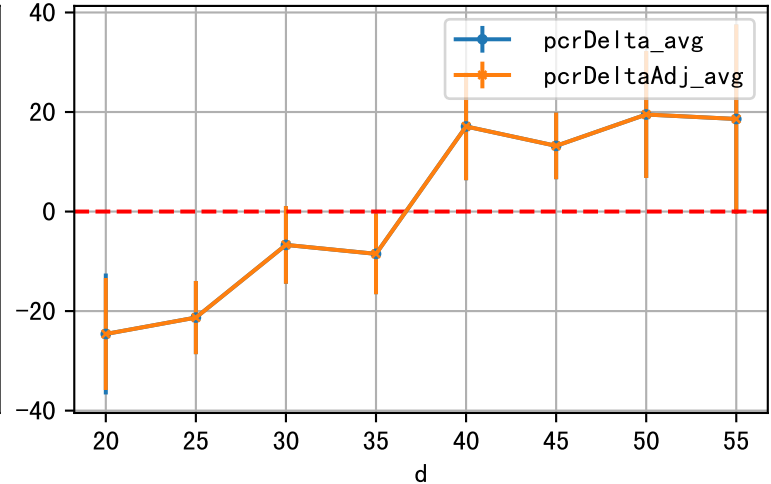
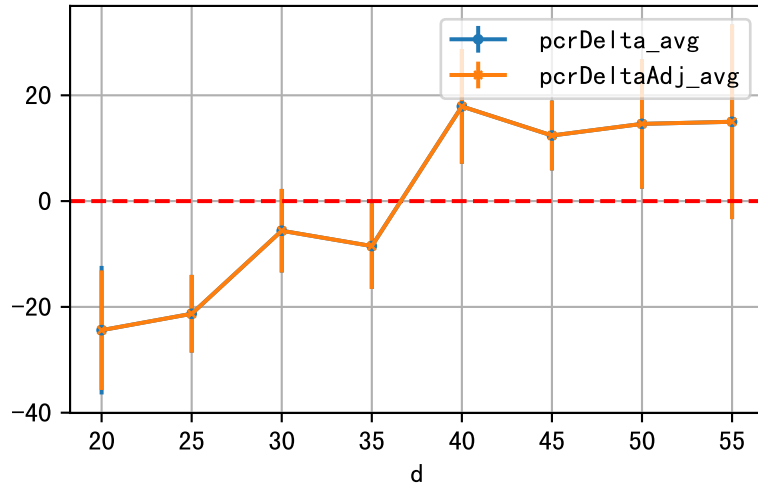
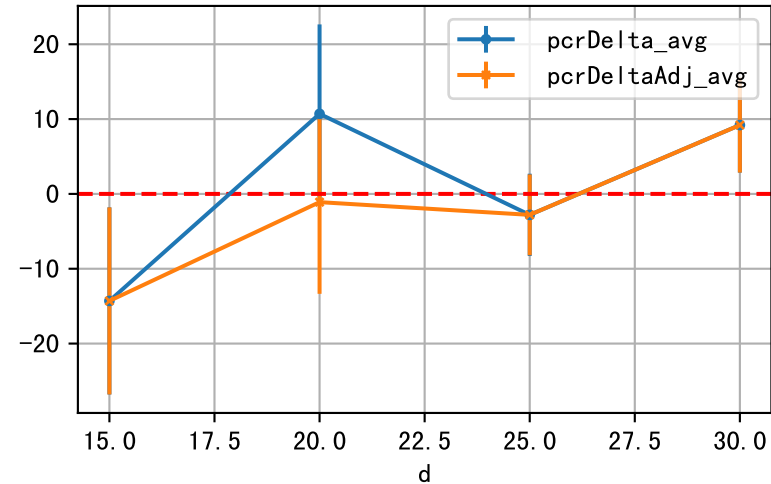


P10AW LfA: D_Est_LfA

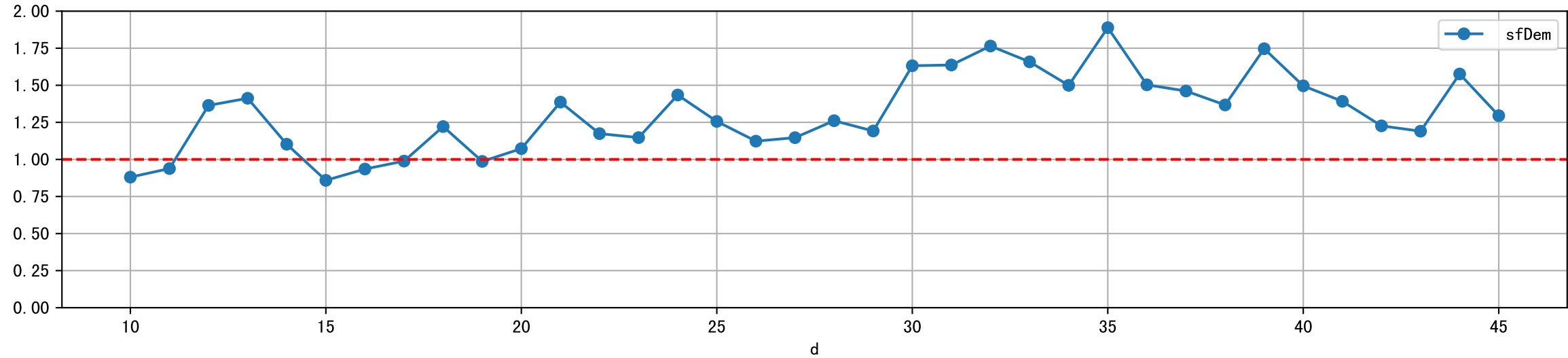
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD



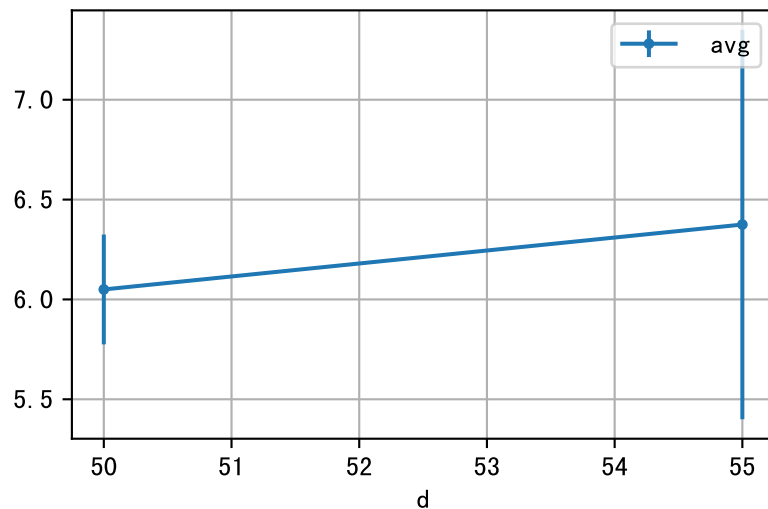
LfA: sfDem



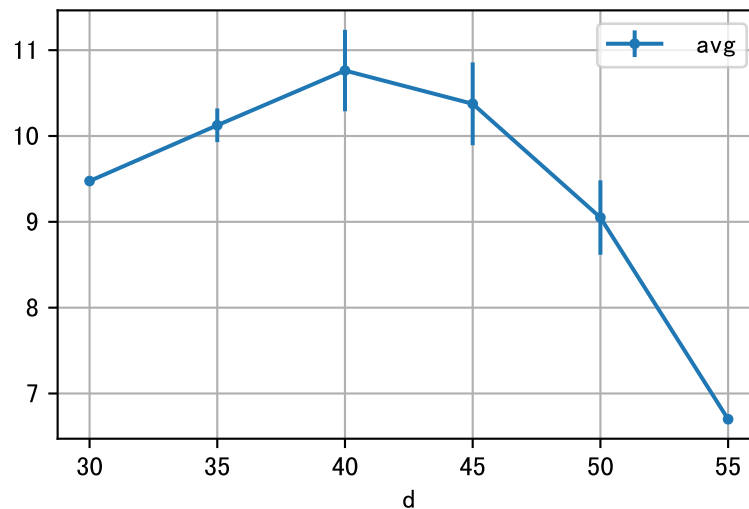


NdD: avg vs. d at each age group

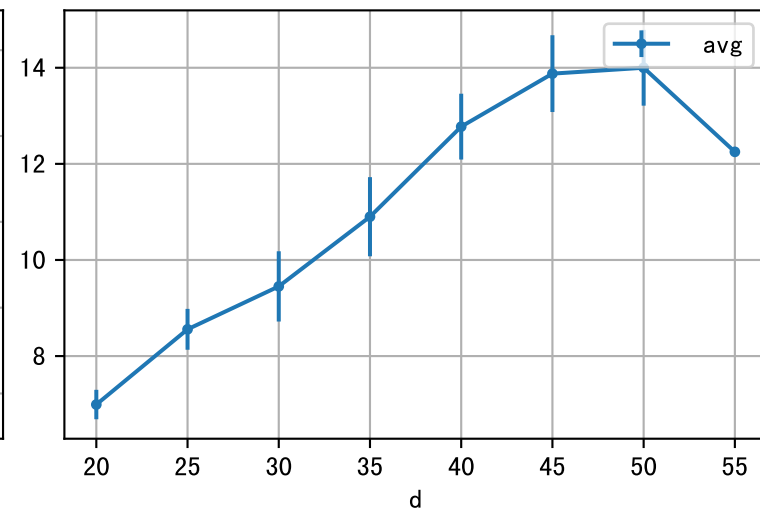
age=15



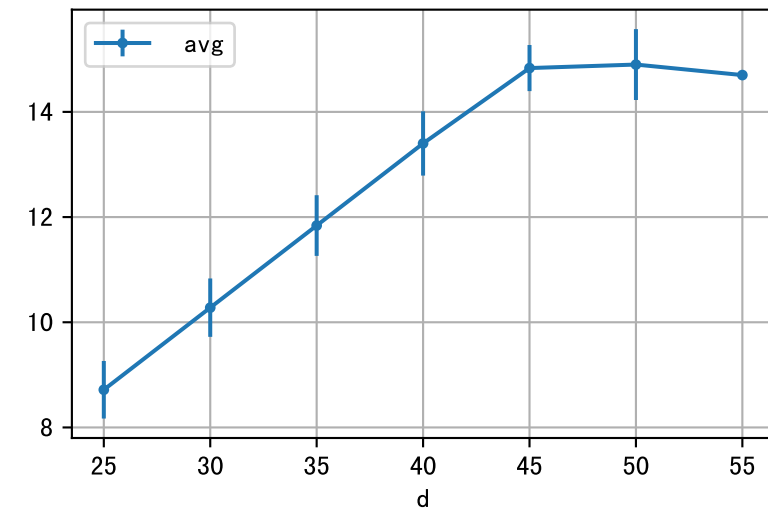
age=20



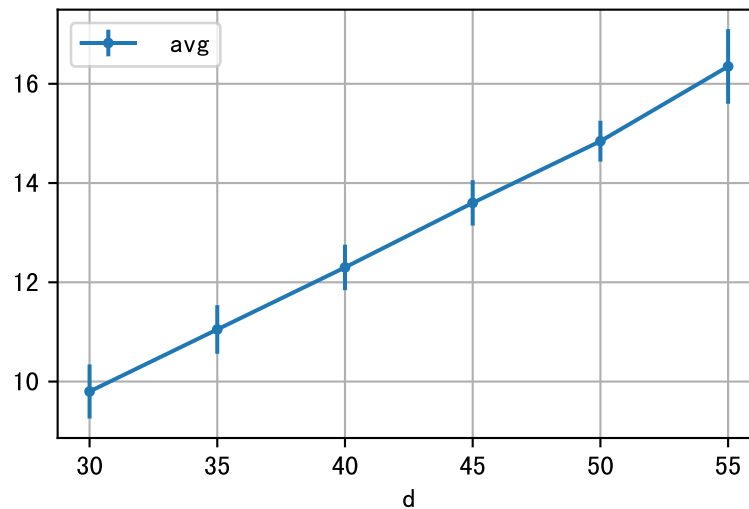
age=25



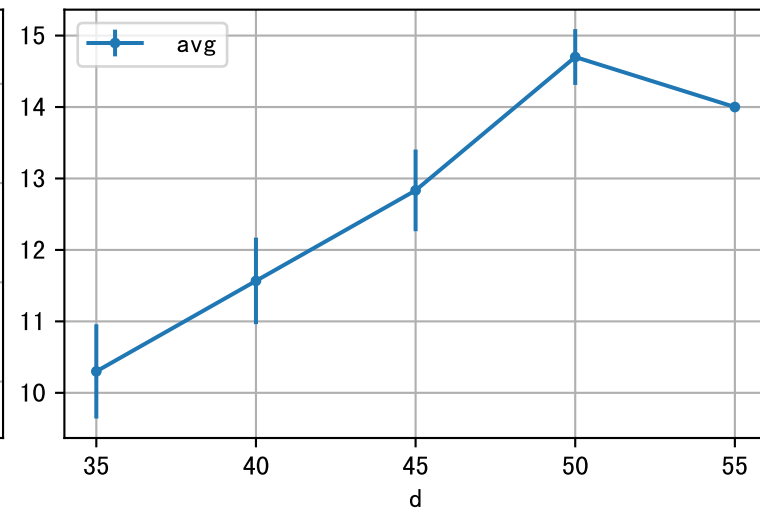
age=30



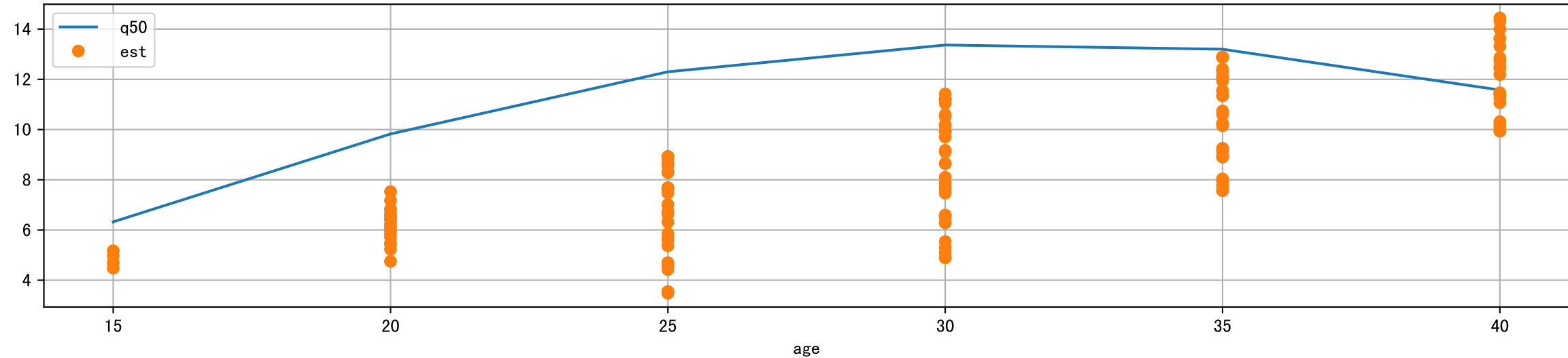
age=35



age=40

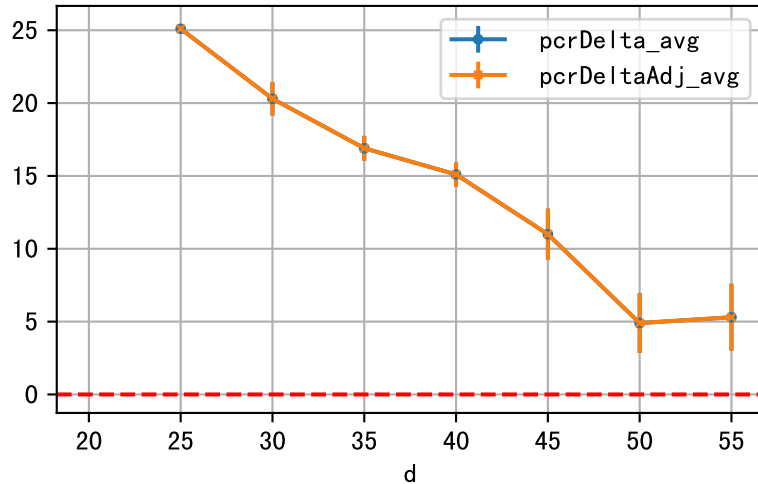


NdD: model est vs obs0v@Q50

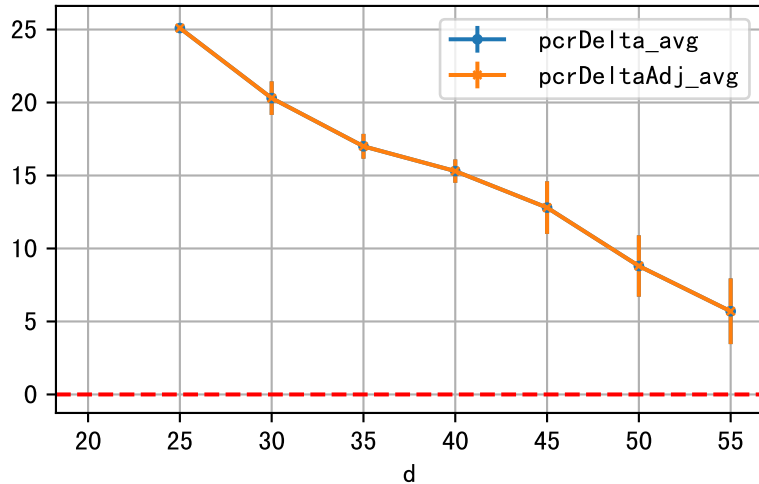


P10AW NdD: D_5d_NdD

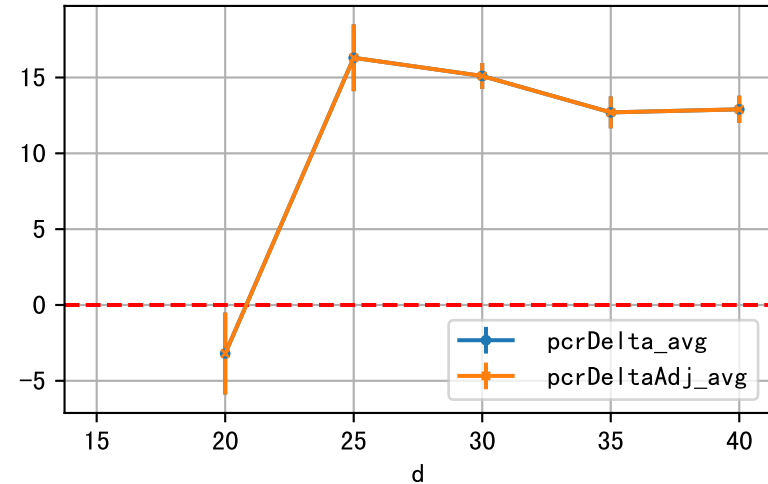
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

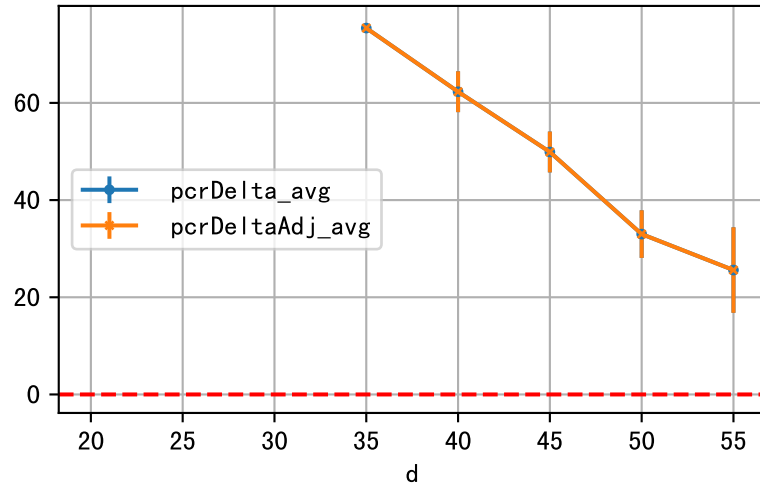


DeltaTypeAbbr=GrpByAge

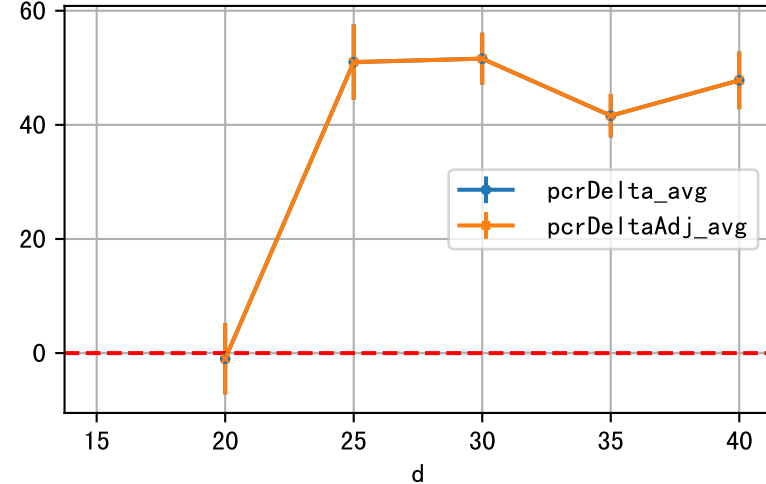


P10AW NdD: D_15d_NdD

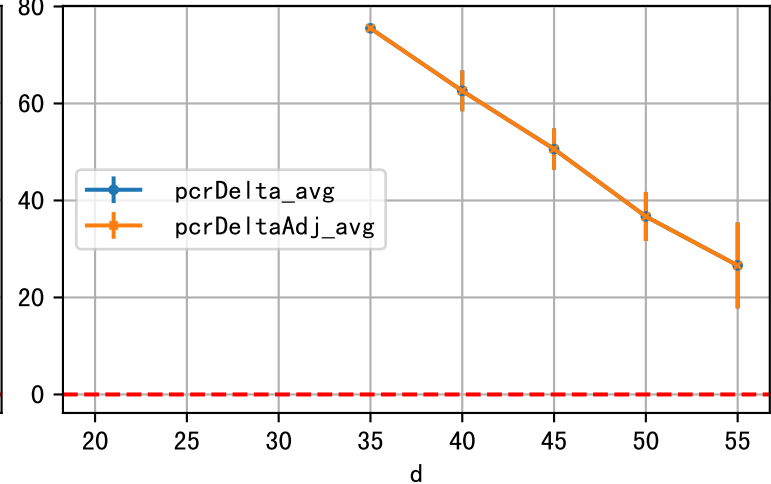
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

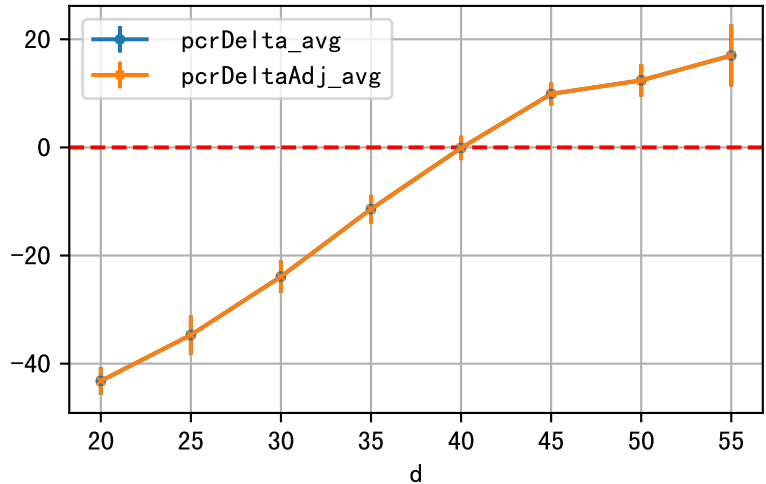
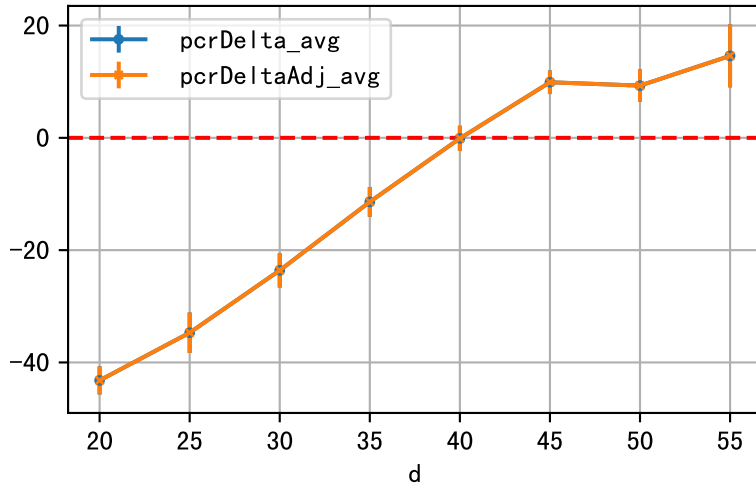
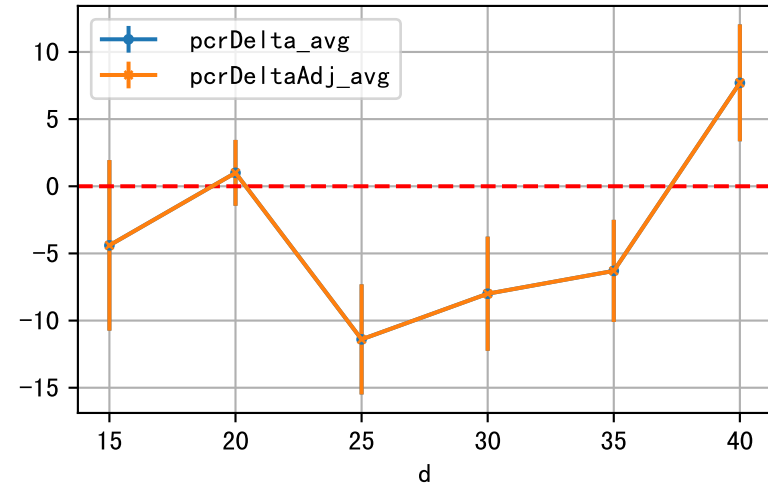


DeltaTypeAbbr=WeiAvgByD



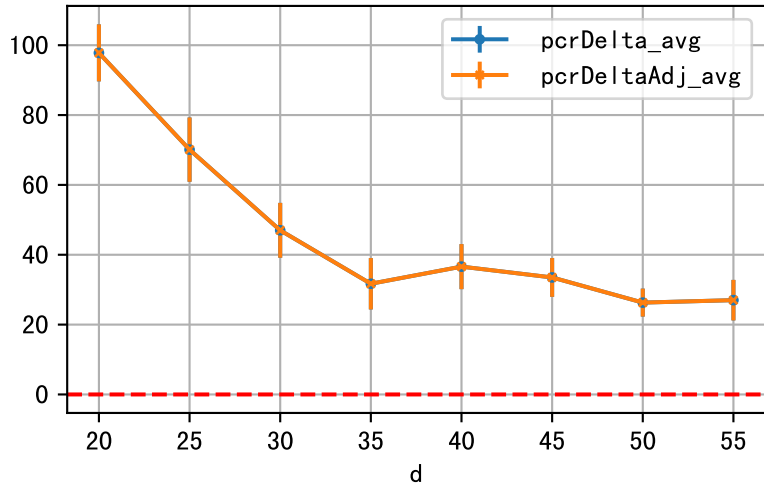
P10AW NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByDay

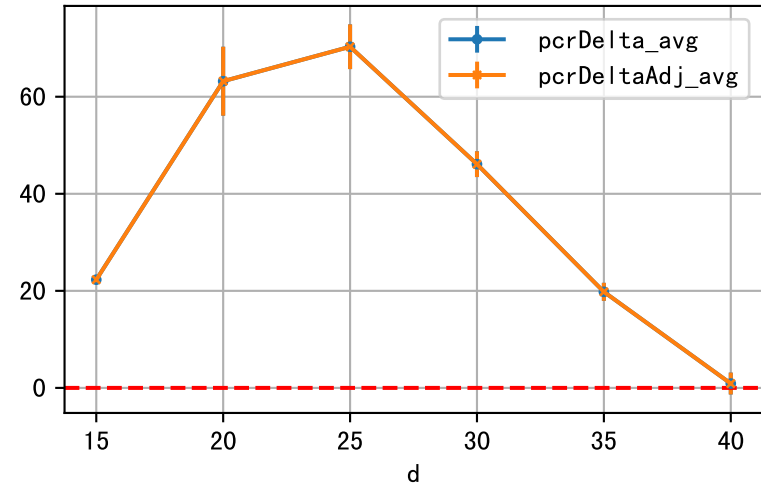


P10AW NdD: D_Est_NdD

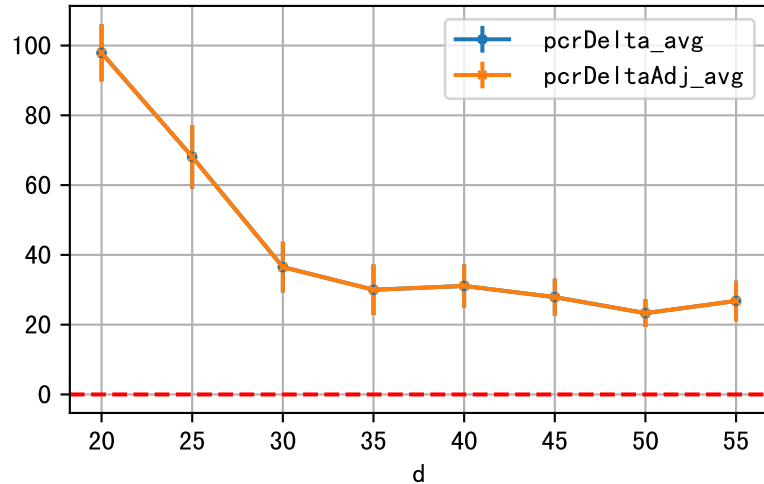
DeltaTypeAbbr=GrpByDay



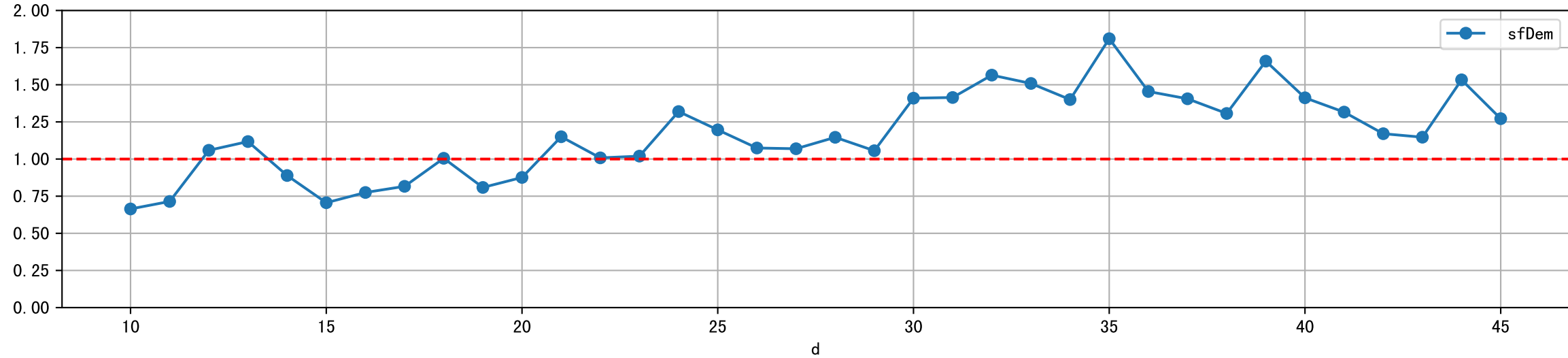
DeltaTypeAbbr=GrpByAge

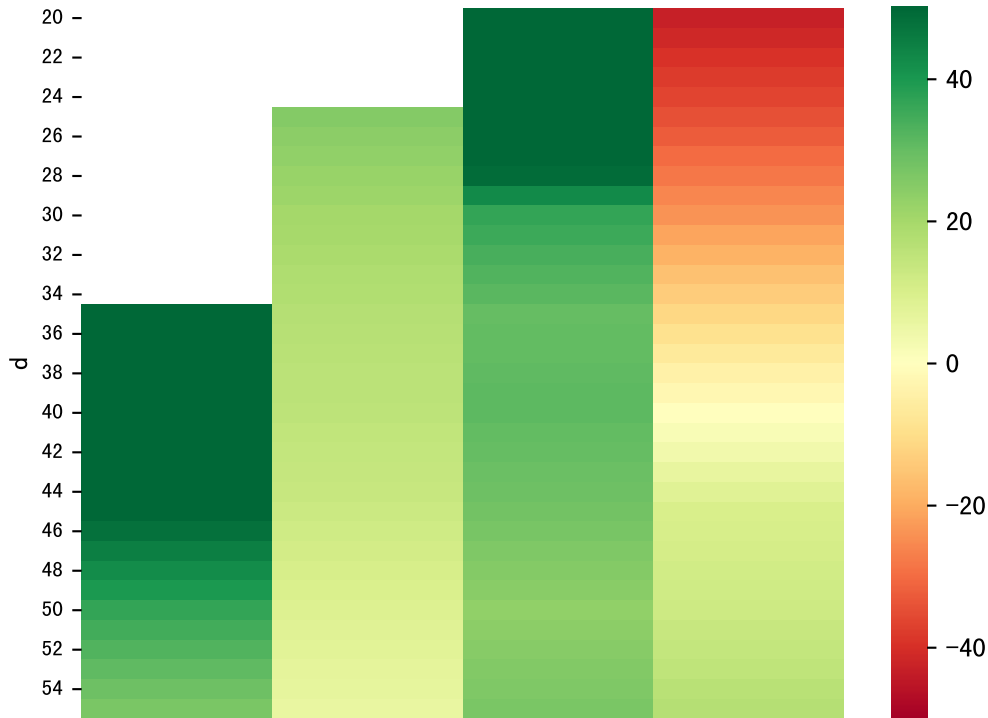


DeltaTypeAbbr=Wei AvgByD

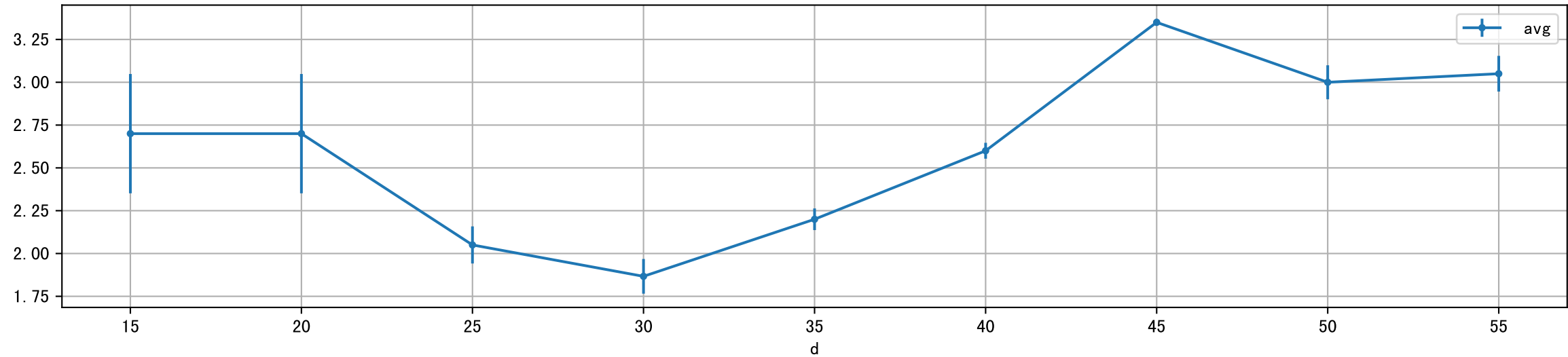


NdD: sfDem

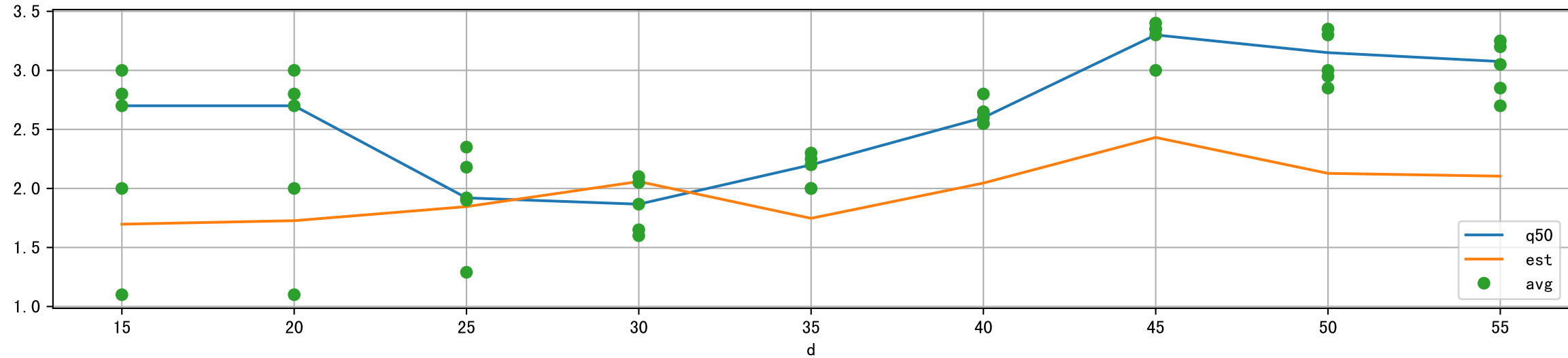




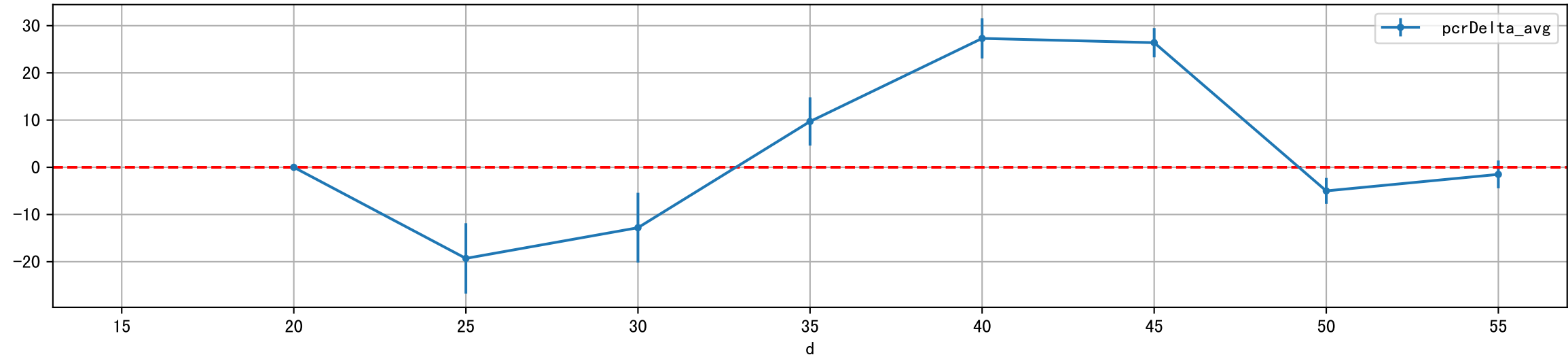
dStH: avg vs. d



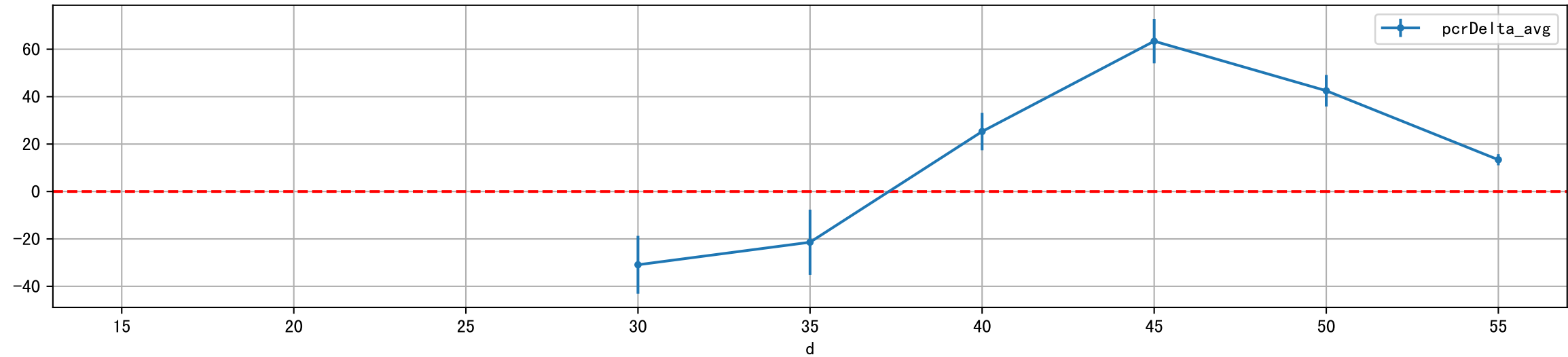
dStH: obsAvg vs obs0v@Q50



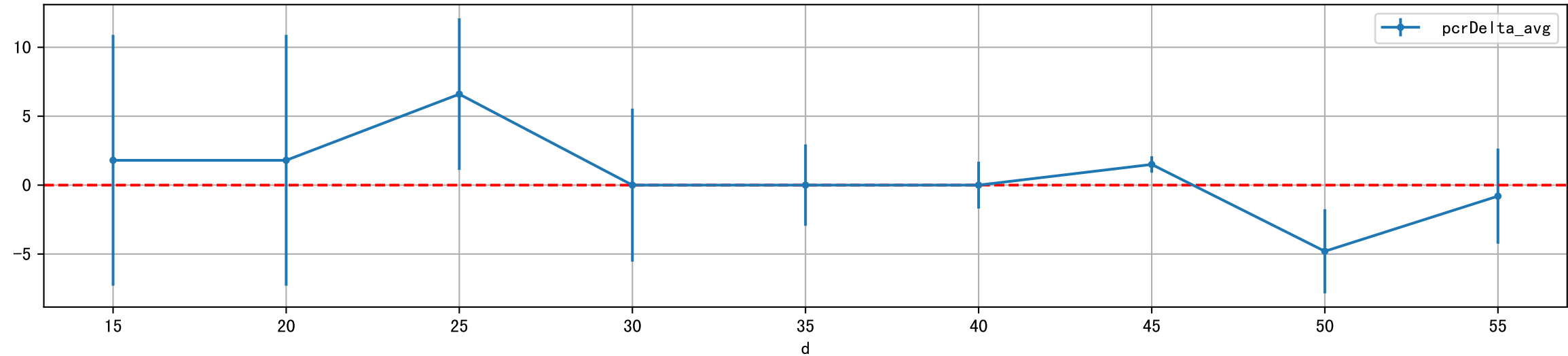
dStH: D_5d_StH



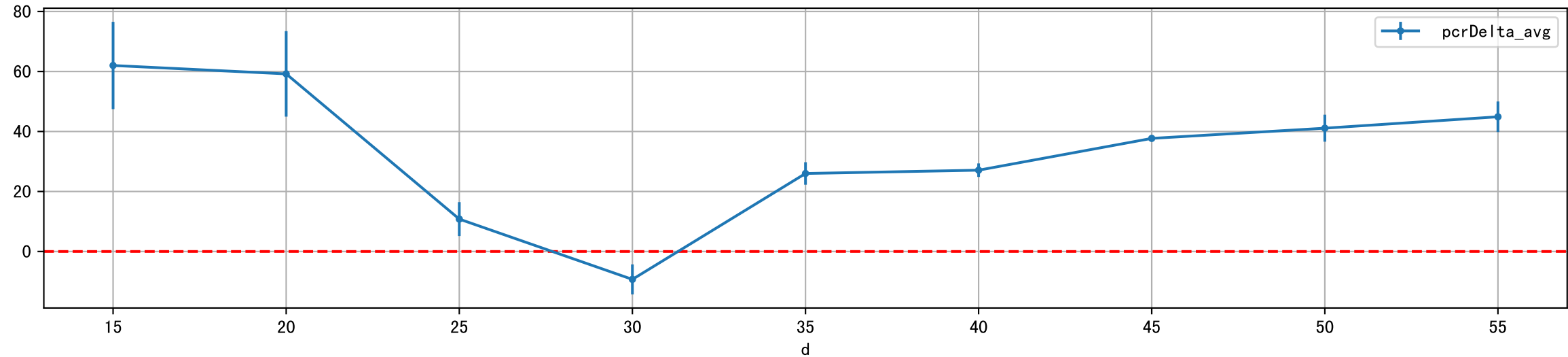
dStH: D_15d_StH



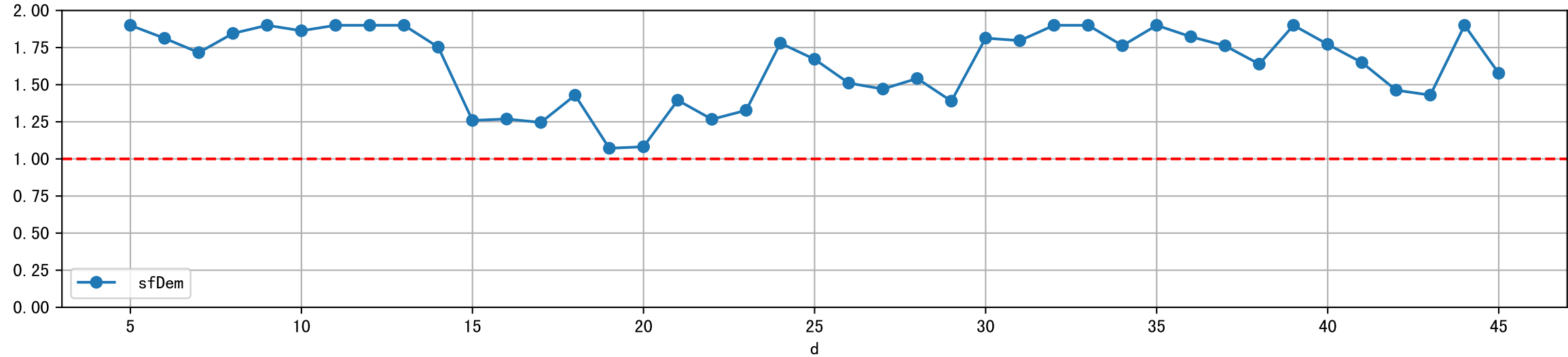
dStH: D_Q50_StH



dStH: D_Est_StH



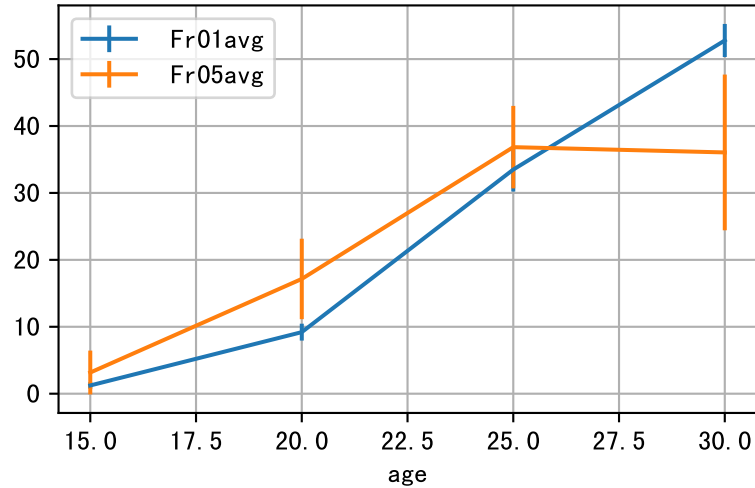
dStH: sfDem



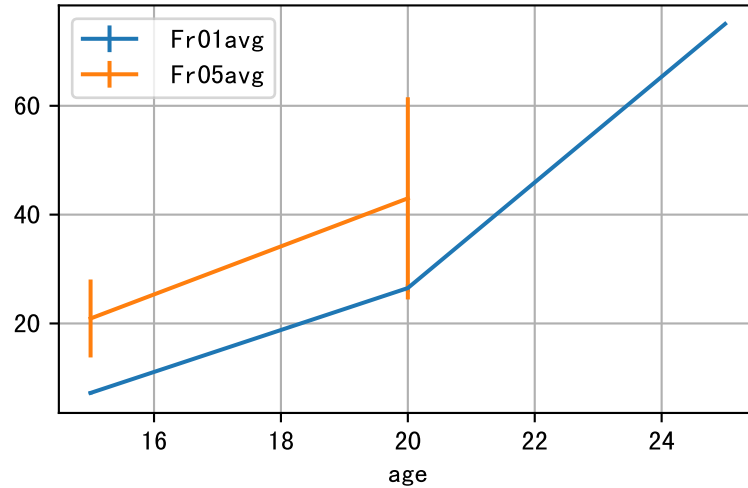


FrV: Fr01 vs Fr05 at each truss

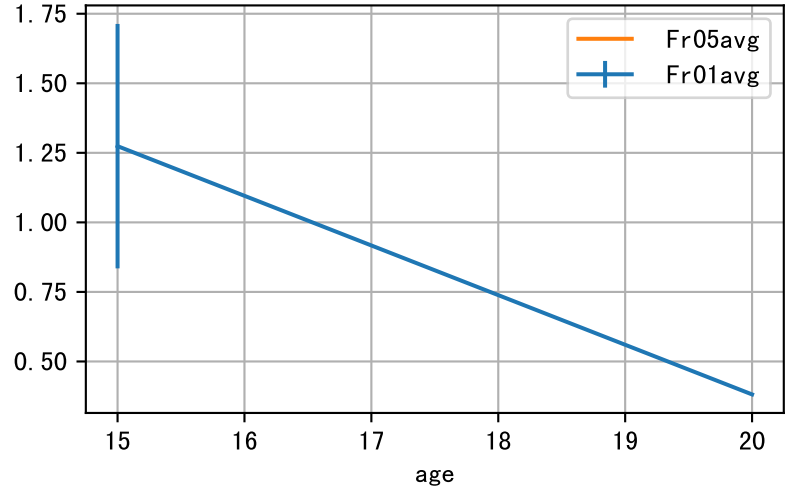
organID=T01



organID=T02

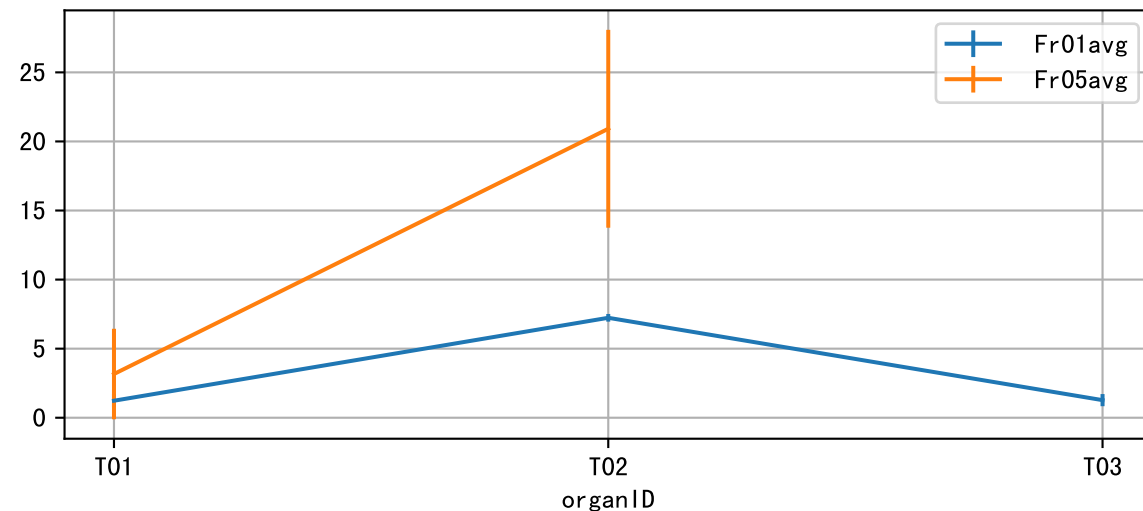


organID=T03

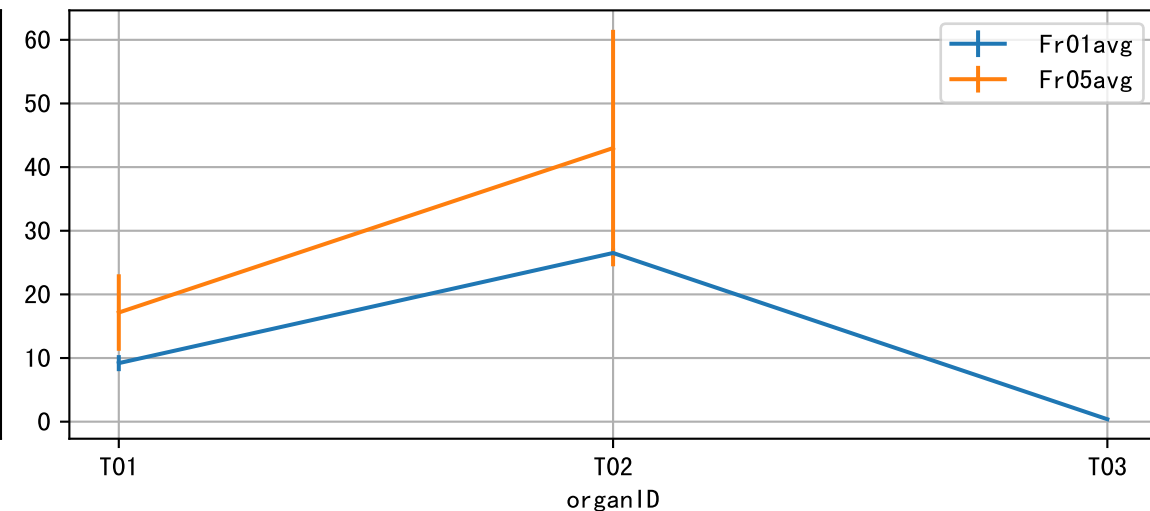


FrV trend at each age

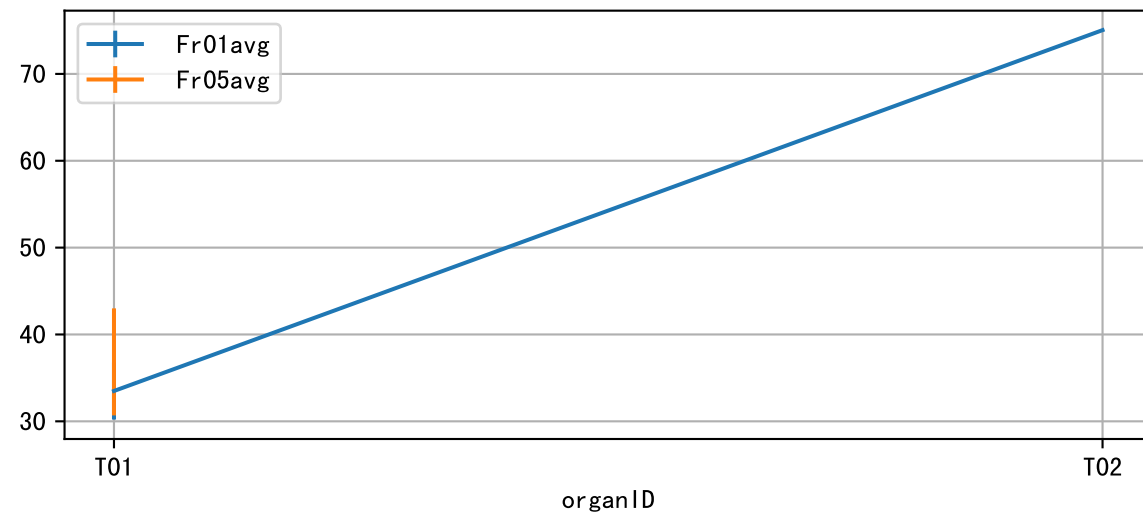
age=15



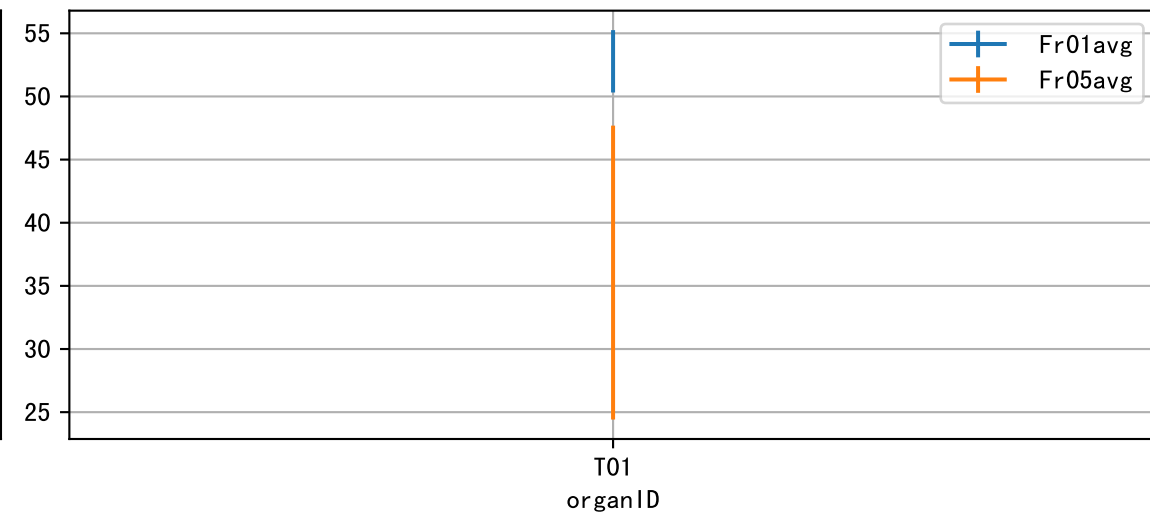
age=20



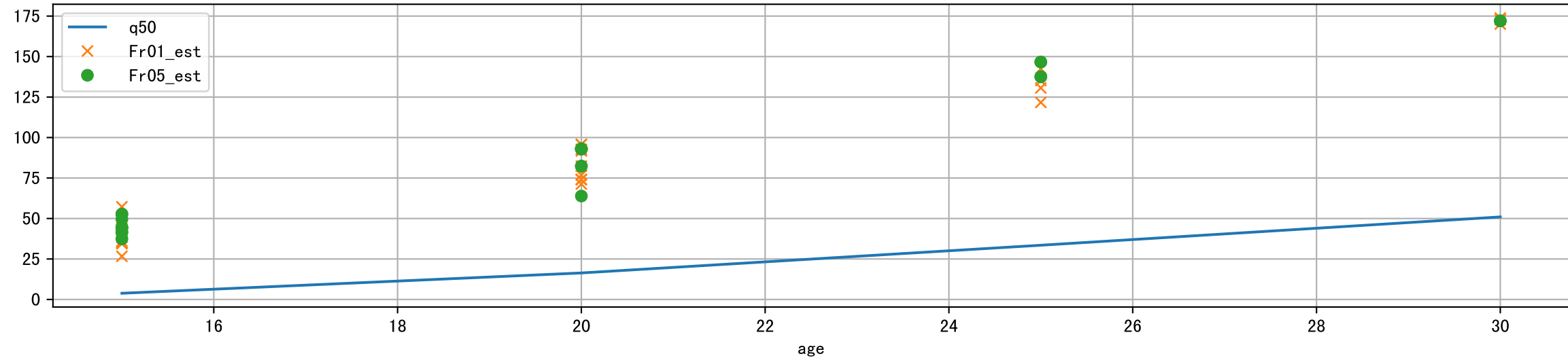
age=25



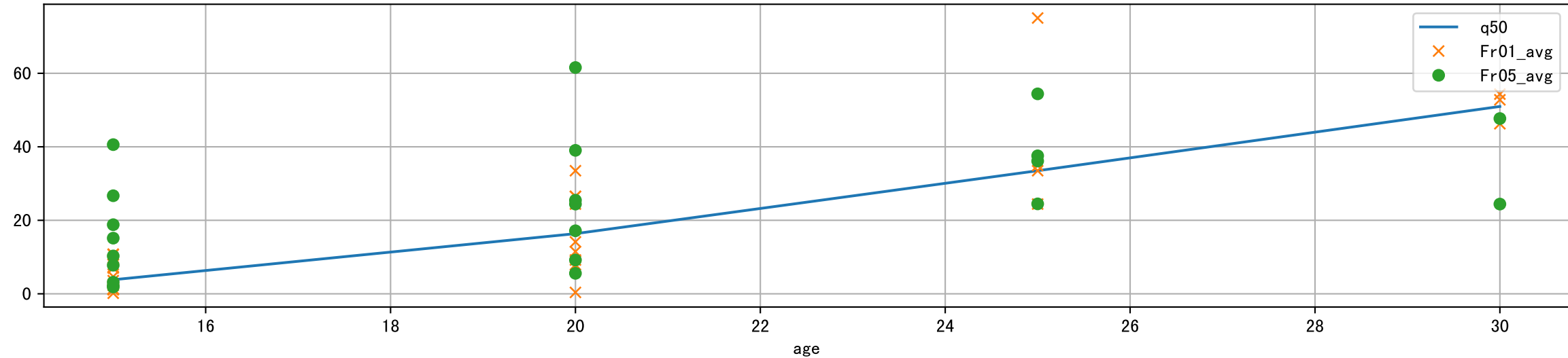
age=30



FrV: model Est vs obsFrV at Q90

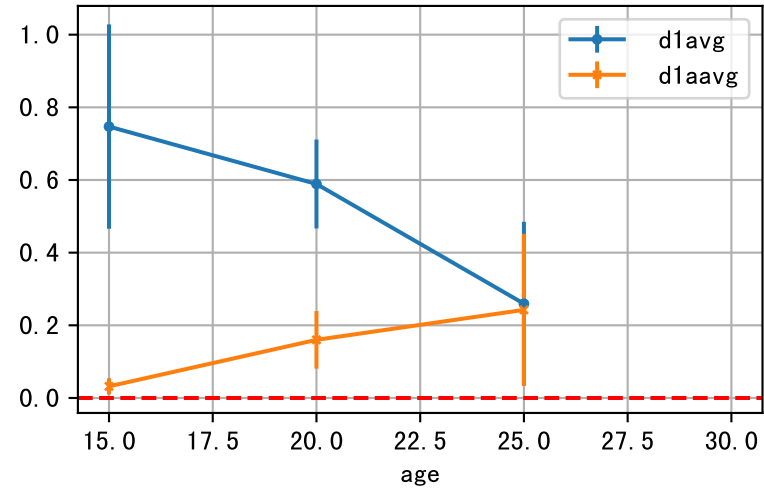


FrV: obsFrV vs obsFrV@Q90

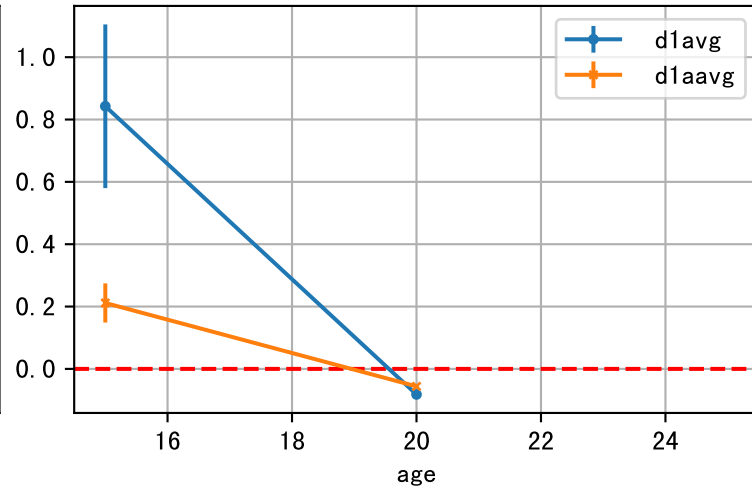


FrV: D_Fr1_FrV

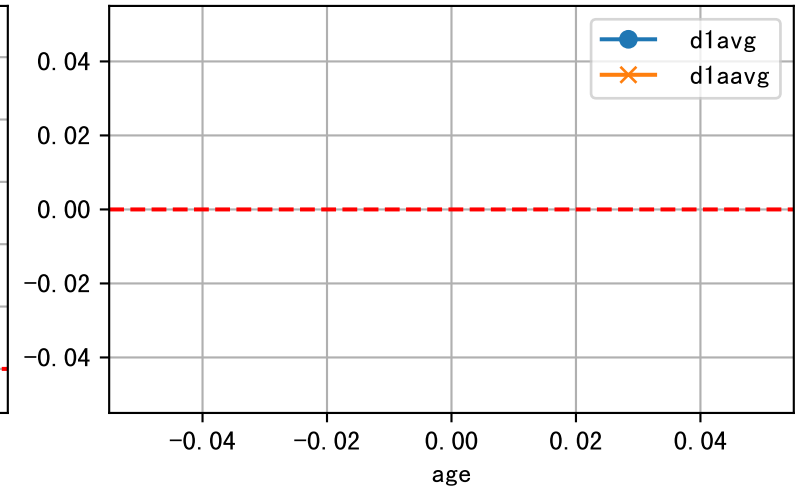
organID=1



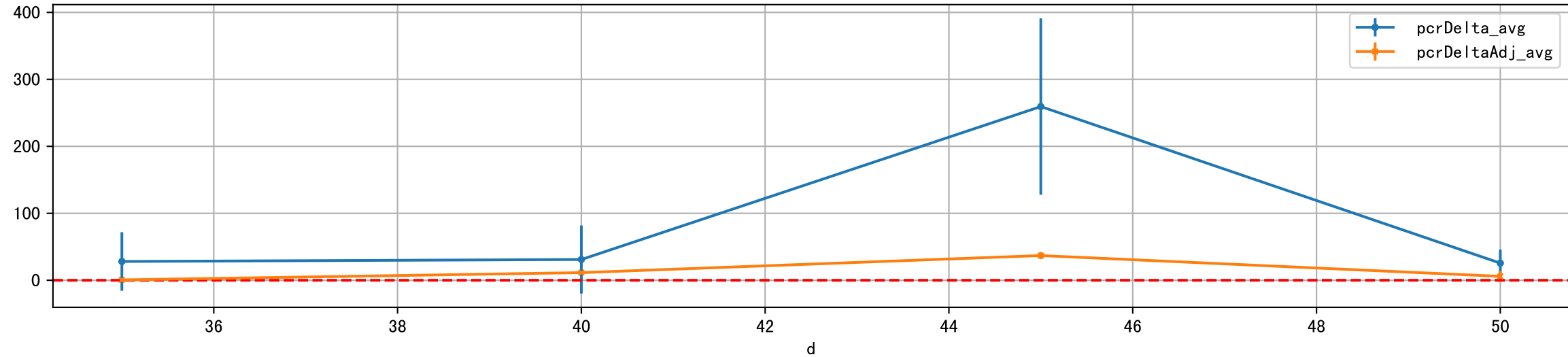
organID=2



organID=3

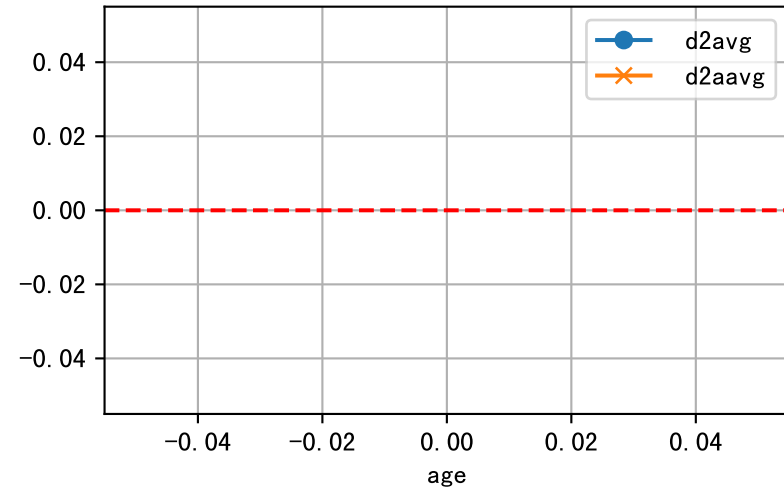


P10AW FrV: D_Fr1_FrV

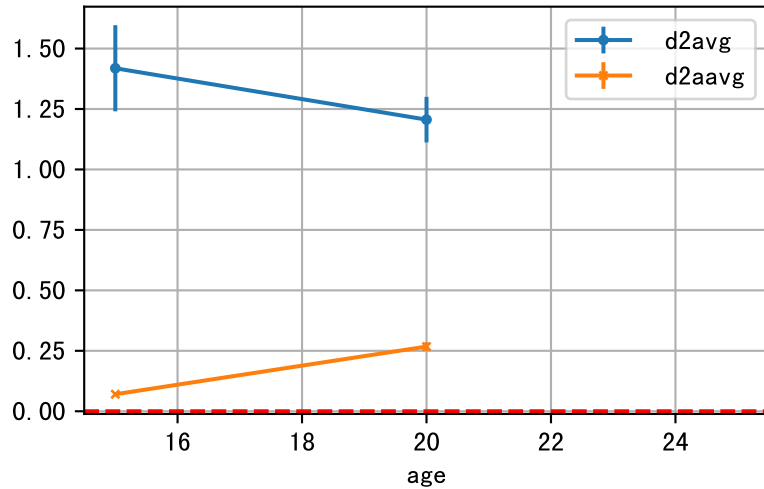


FrV: D_Ts_FrV

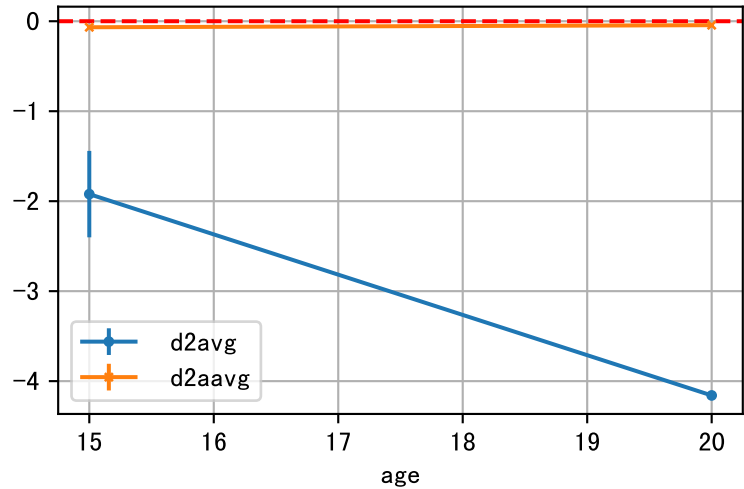
organID=1



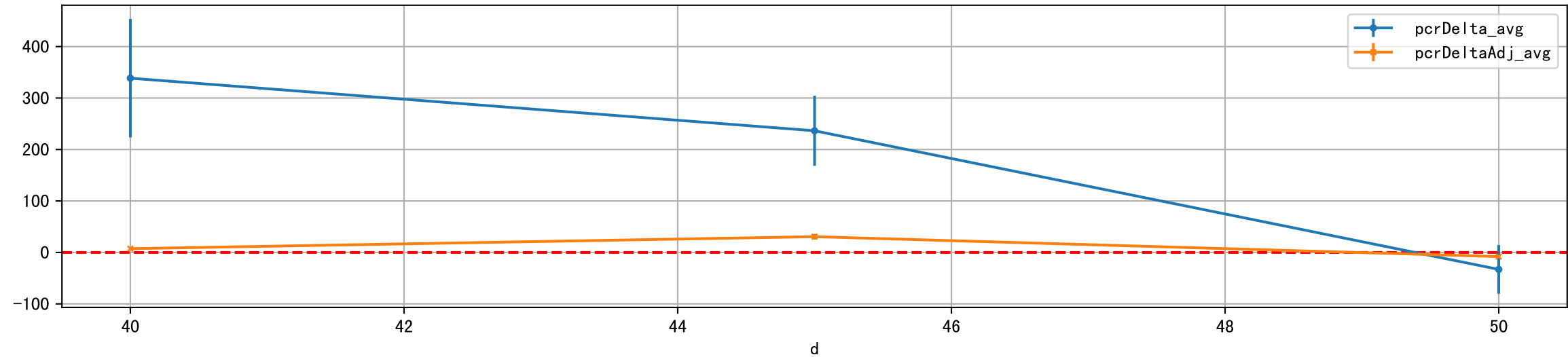
organID=2



organID=3

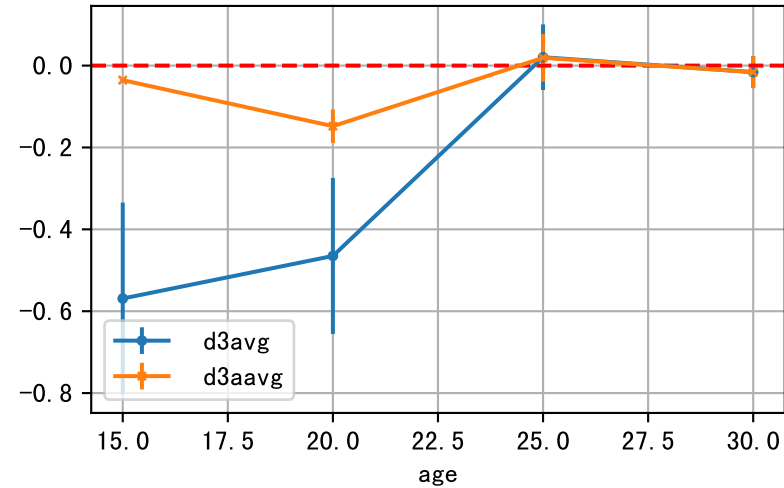


P10AW FrV: D_Ts_FrV

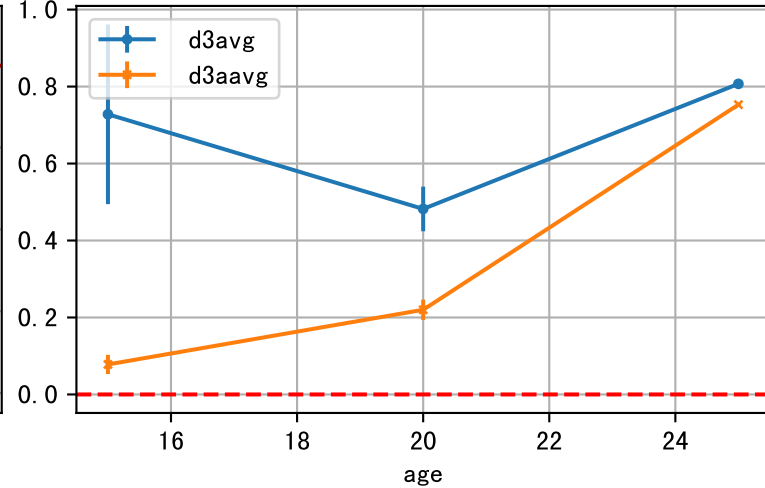


FrV: D_Q50_FrV

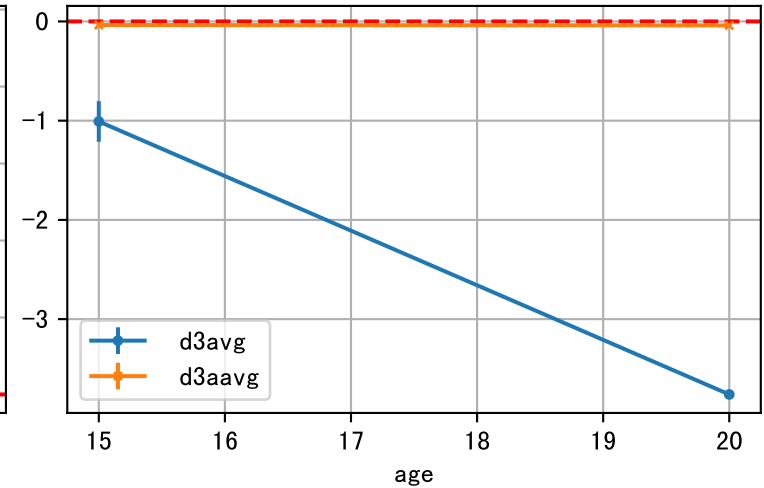
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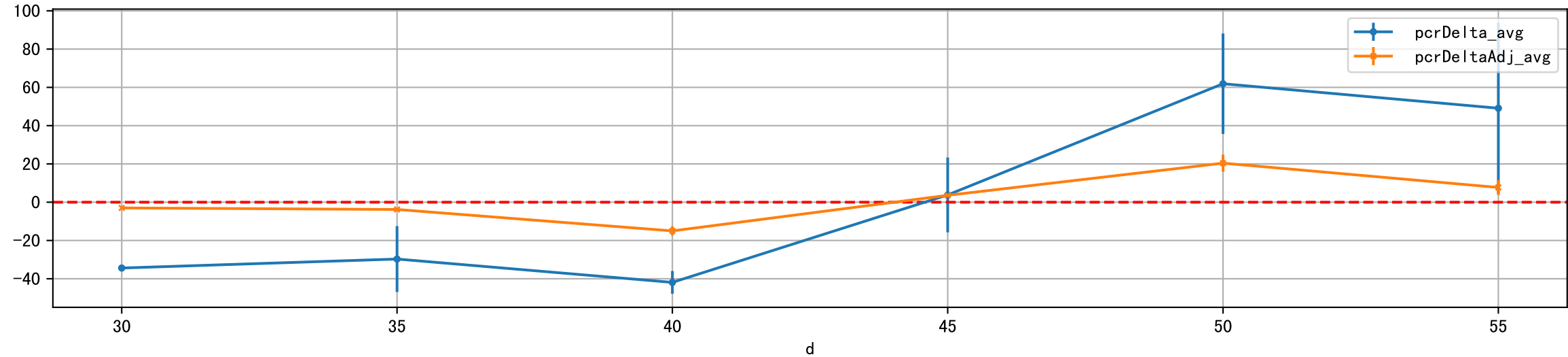
organID=2



organID=3

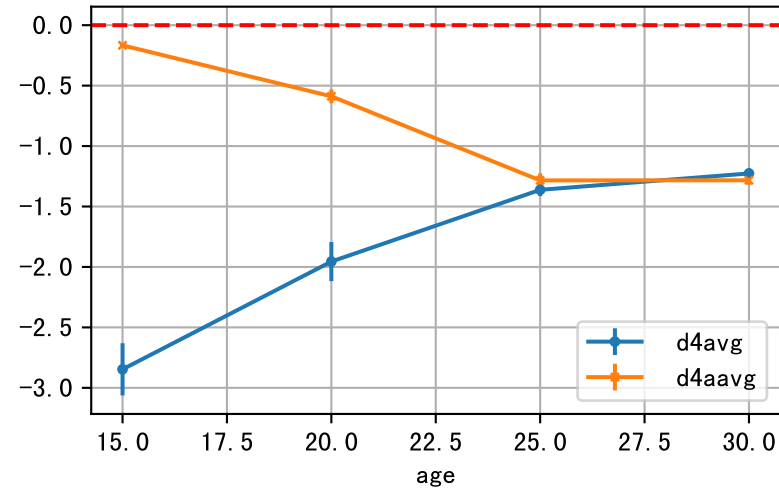


P10AW FrV: D_Q50_FrV

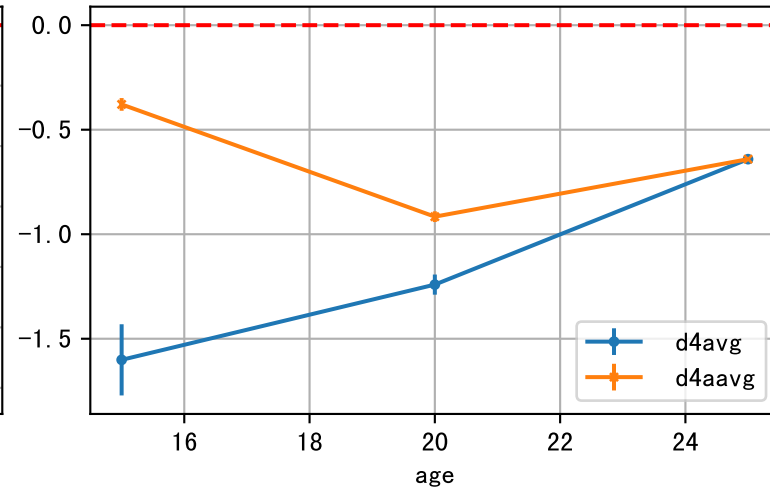


FrV: D_Est_FrV

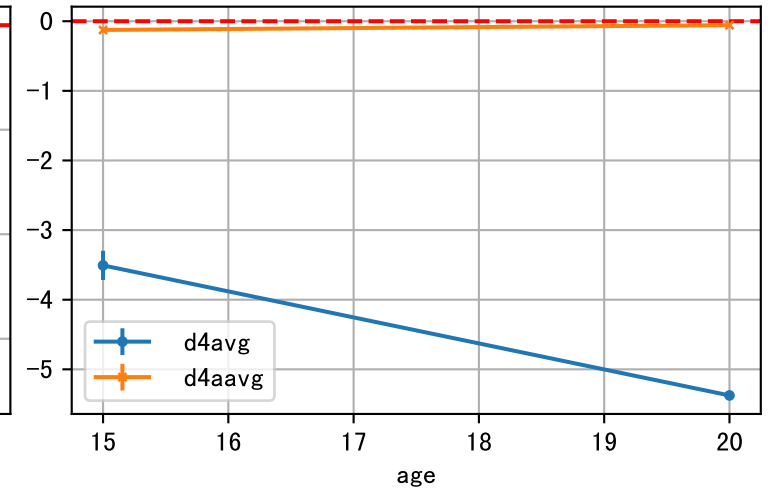
organID=1



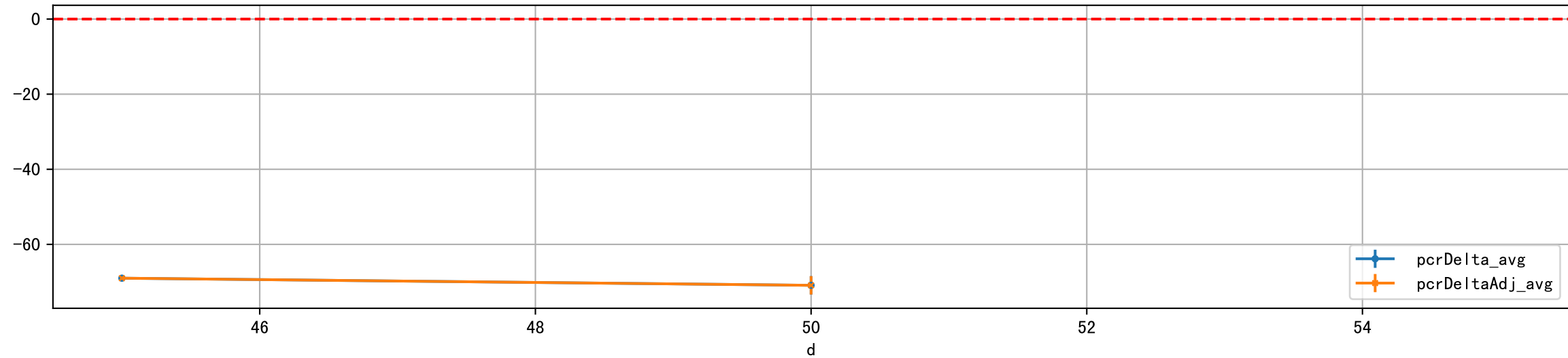
organID=2



organID=3



P10AW FrV: D_Est_FrV



P10AW FrV: sfDem

