

Phenotype Data Analysis Plots

PhenoData day range = 10 – 74

Analysis cutoff day = 74

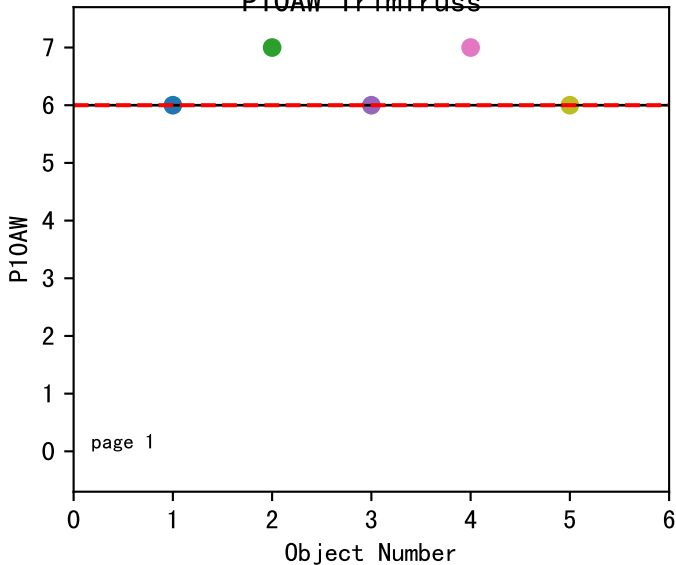
NC11 P10

2025-06-13 (Day 74)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~9% avg2=na

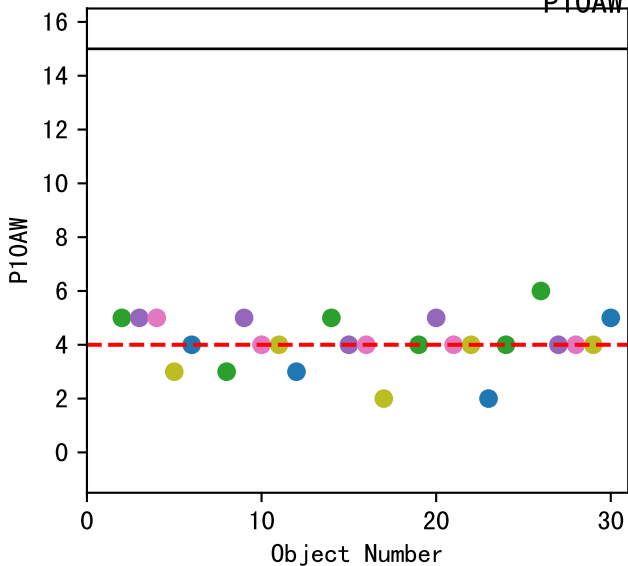
P10AW TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

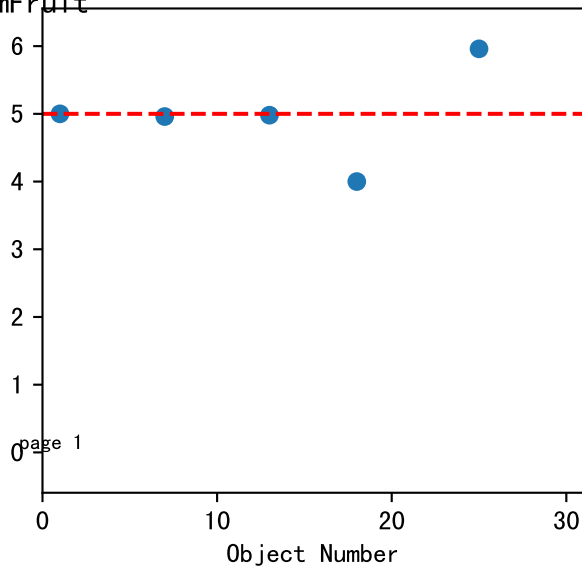
avg1=4.0~19% avg2=na

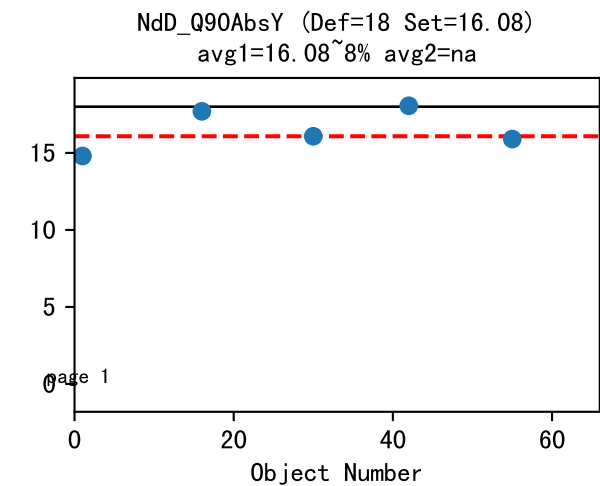
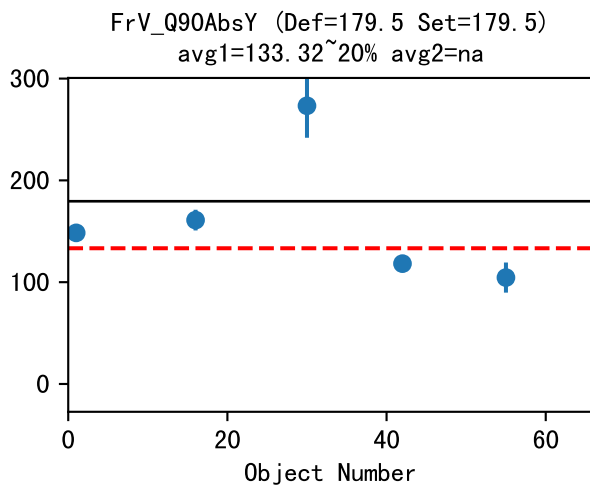
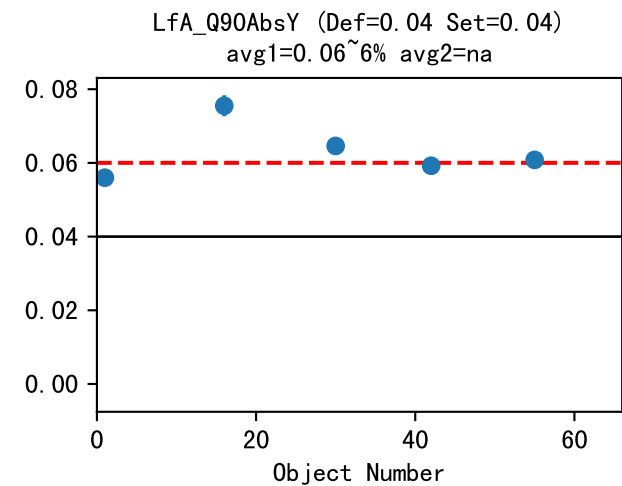
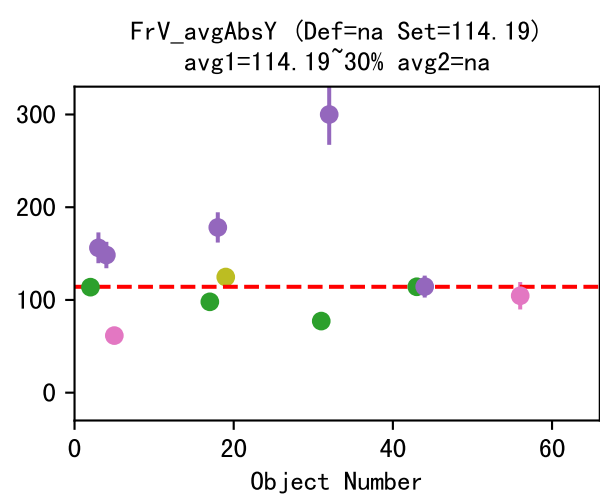
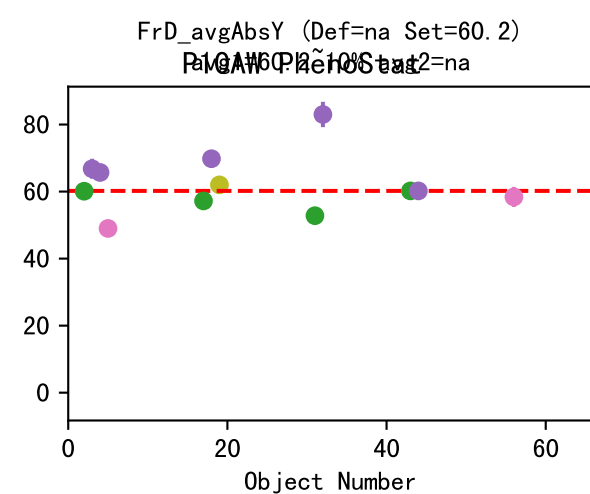
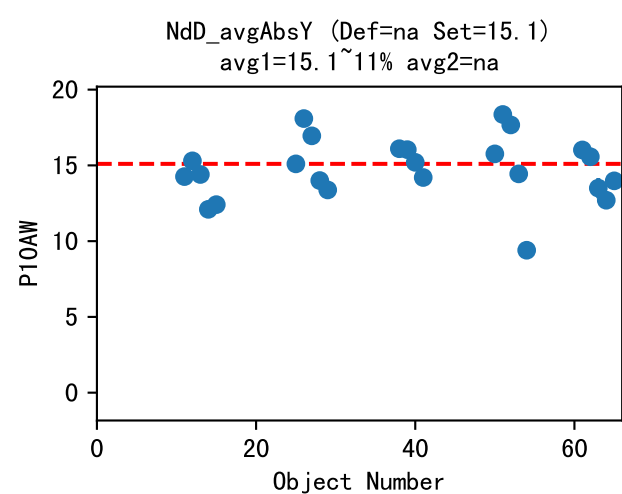
P10AW TrimFruit



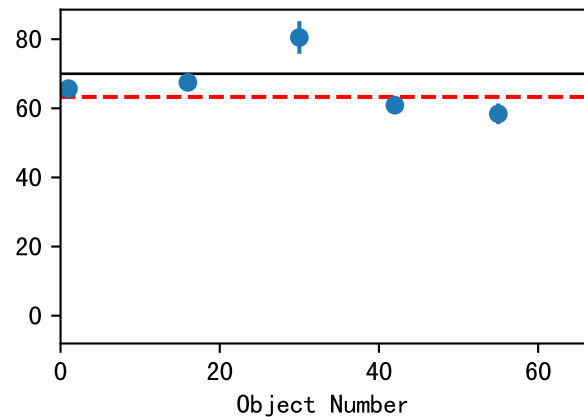
FruitNumMaxPerTruss (Def=na Set=5)

avg1=5.0~0% avg2=na

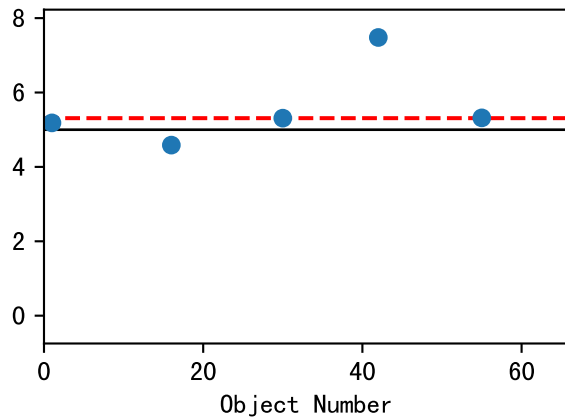




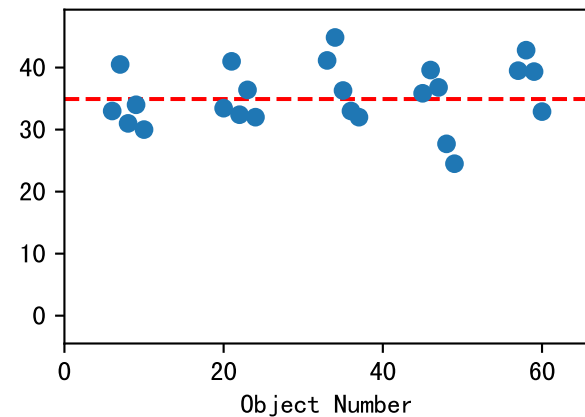
FrD_Q90AbsY (Def=70 Set=63.3)
avg1=63.3~7% avg2=na



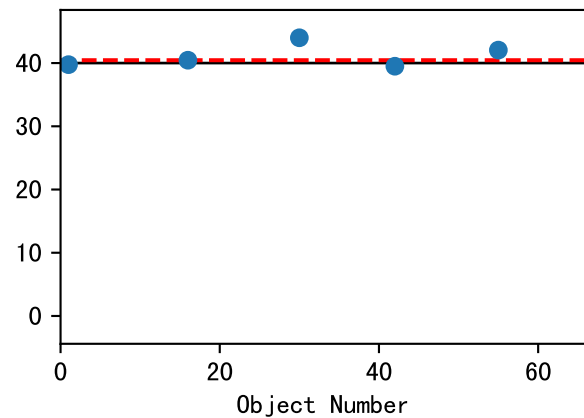
NdL_Q90AbsY (Def=5 Set=5.31)
avg1=5.31~1% avg2=na



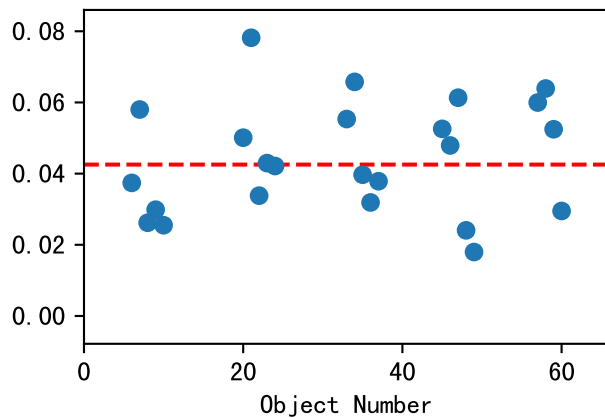
LfL_avgAbsY (Def=na Set=34.92)
avg1=34.92~14% avg2=na



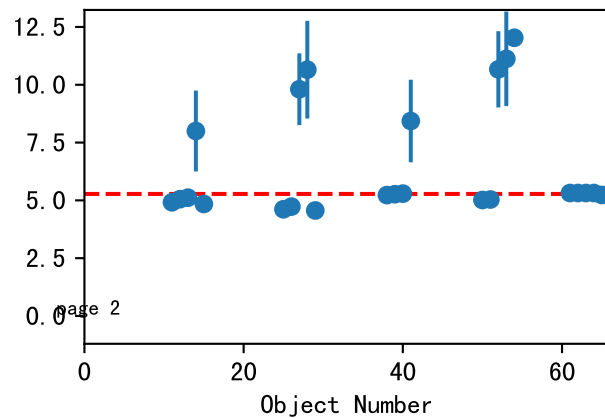
LfL_Q90AbsY (Def=40 Set=40.45)
avg1=40.45~5% avg2=na



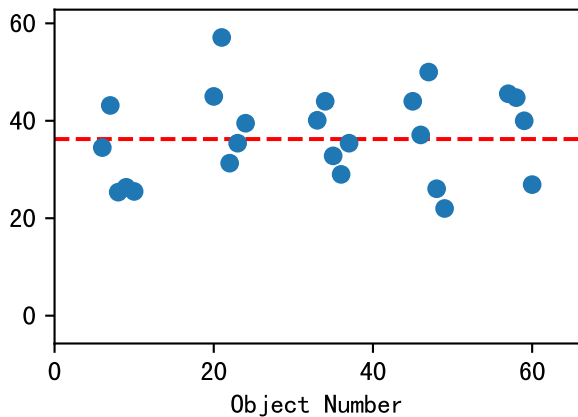
LfA_avgAbsY (Def=na Set=0.04)
avg1=0.04~37% avg2=na



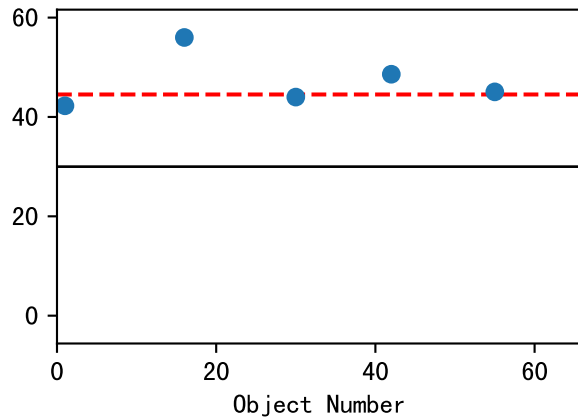
NdL_avgAbsY (Def=na Set=5.28)
avg1=5.28~47% avg2=na



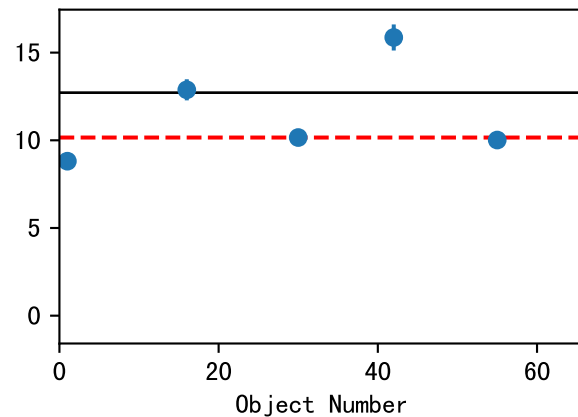
LfW_avgAbsY (Def=na Set=36.25)
avg1=36.25~25% avg2=na



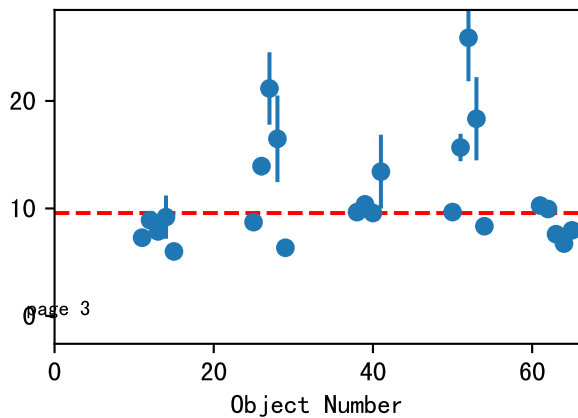
LfW_Q90AbsY (Def=30 Set=44.52)
avg1=44.52~6% avg2=na



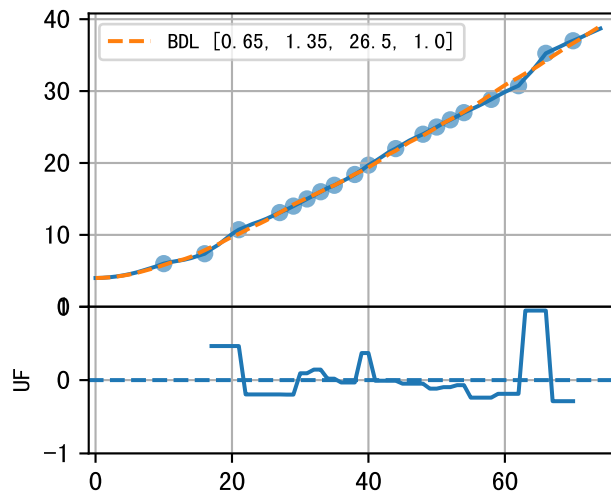
NdV_Q90AbsY (Def=12.72 Set=10.16)
avg1=10.16~28% avg2=na



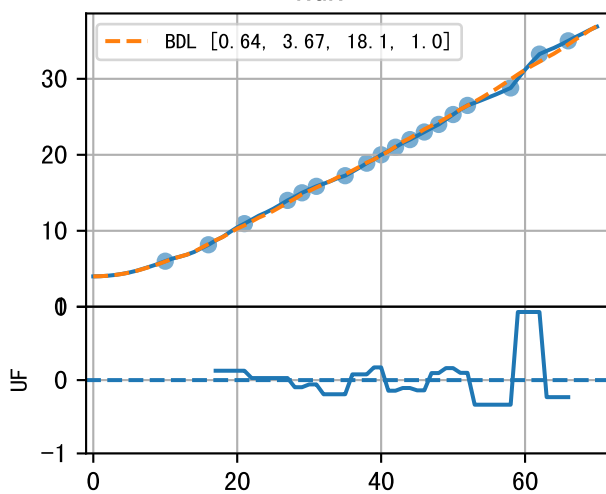
NdV_avgAbsY (Def=na Set=9.57)
avg1=9.57~42% avg2=na



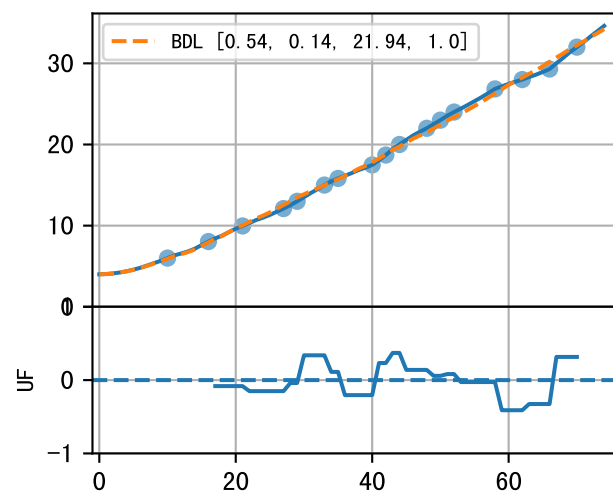
P10AW-003-11 (fit failed)



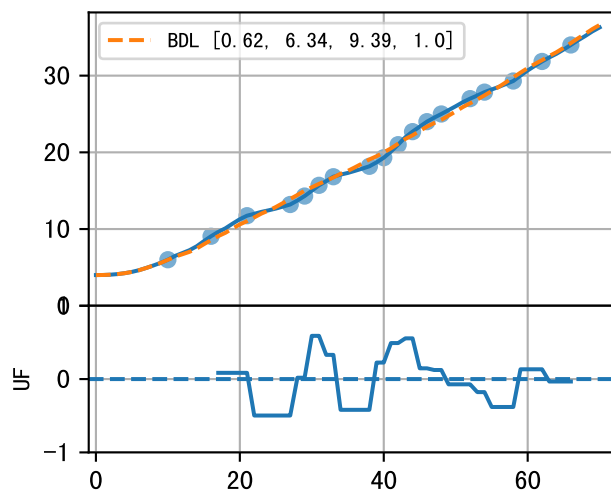
P10AW-016-21 (fit failed)



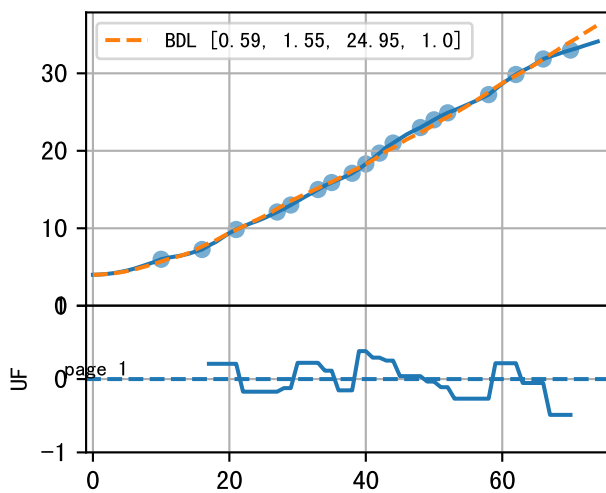
P10AW-029-30 (fit failed)



P10AW-041-24 (fit failed)



P10AW-054-10 (fit failed)



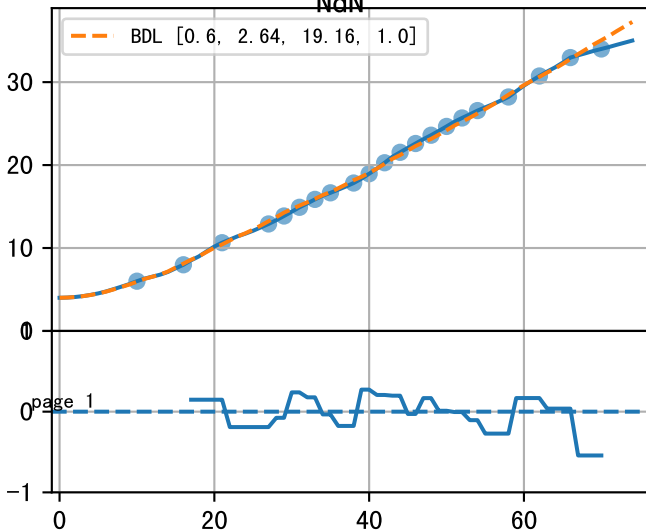
P10A Wavg (fit failed)

NdN

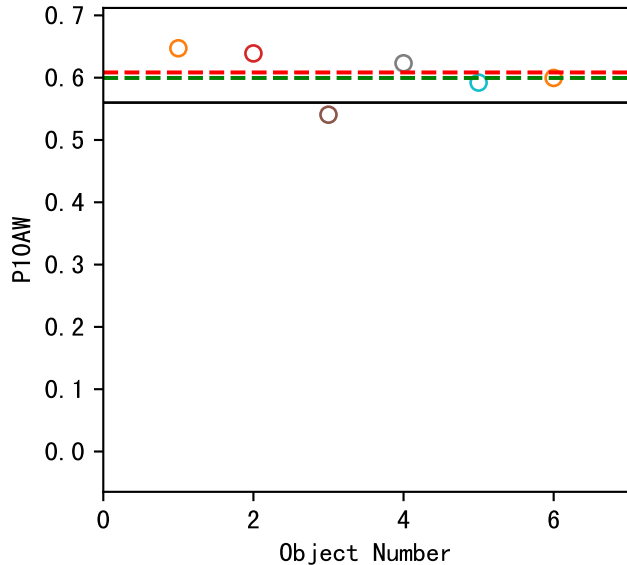
BDL [0.6, 2.64, 19.16, 1.0]

UF

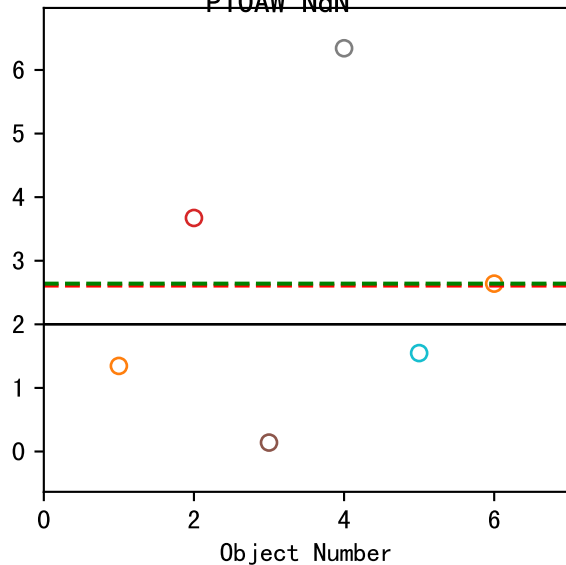
page 1



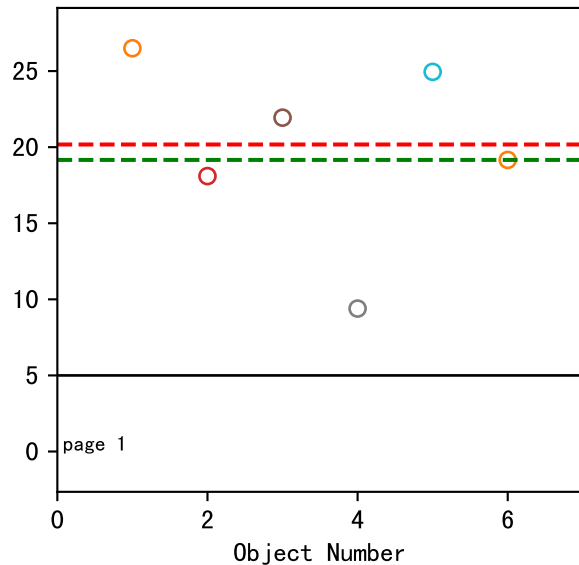
a (Def=0.56 Set=0.6)
avg1=0.61(fail) avg2=0.6



dm (Def=2 Set=2.64)
avg1=2.61(fail) avg2=2.64



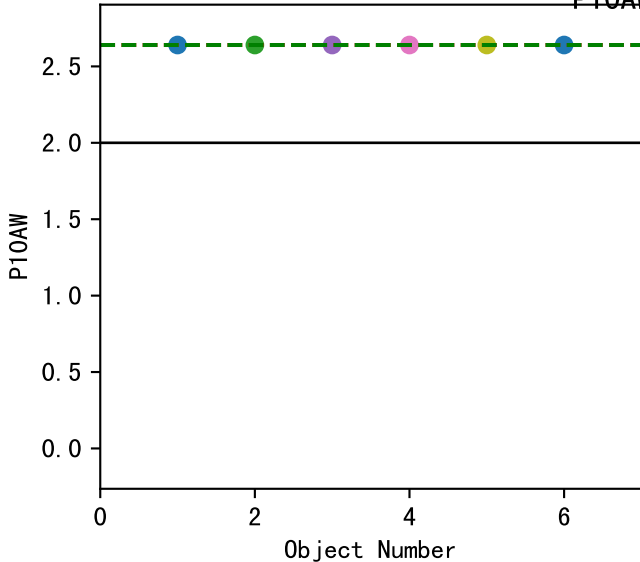
de (Def=5 Set=19.16)
avg1=20.18(fail) avg2=19.16



InitDev_dm (Def=2 Set=2.64)

avg1=2.64~0% avg2=2.64

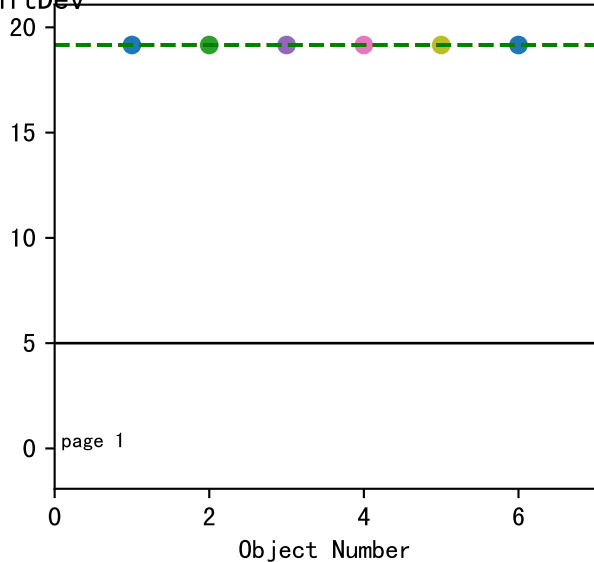
P10AW



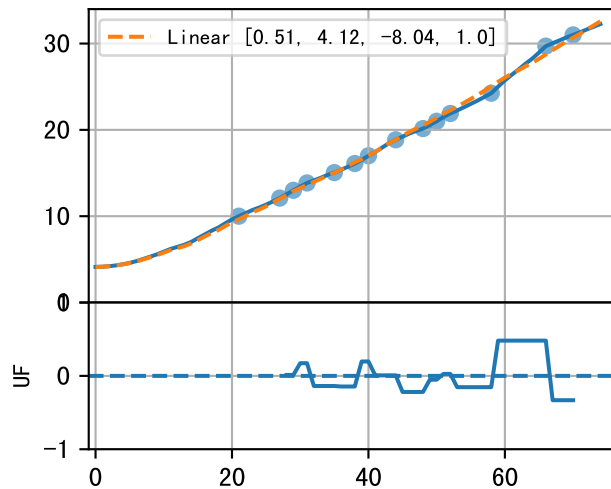
InitDev_de (Def=5 Set=19.16)

avg1=19.16~0% avg2=19.16

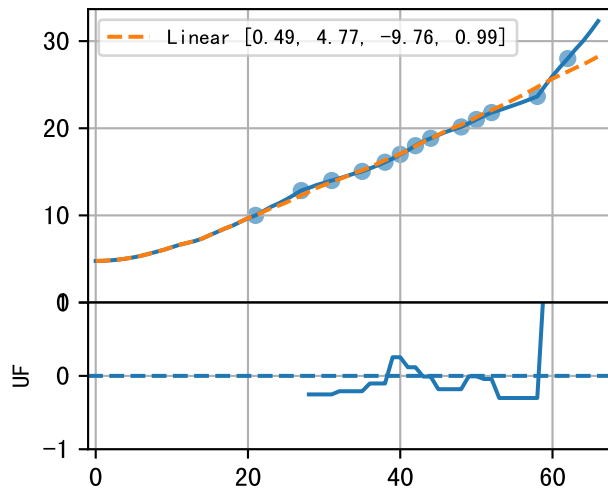
InitDev



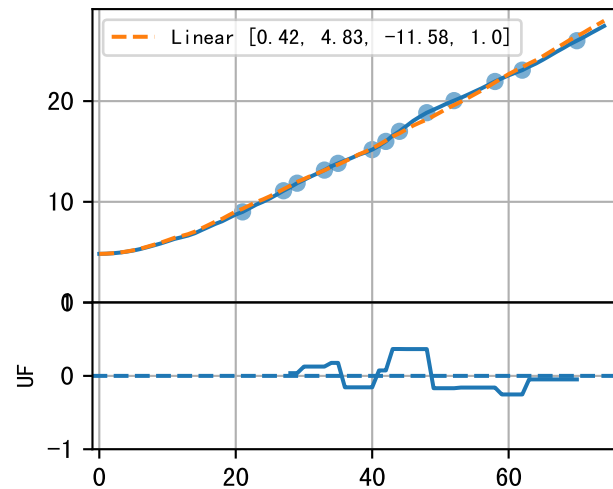
P10AW-003-11



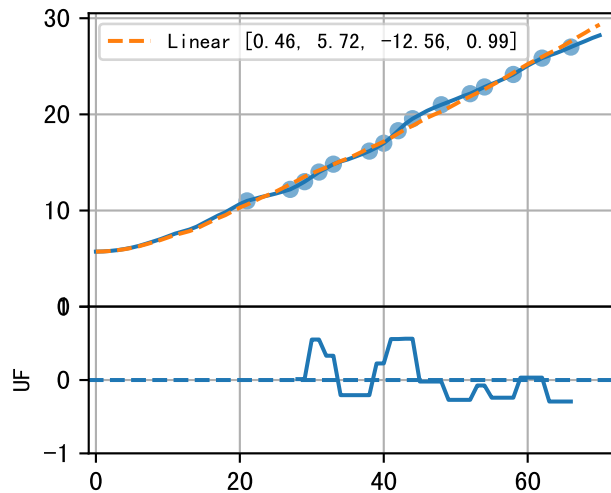
P10AW-016-3



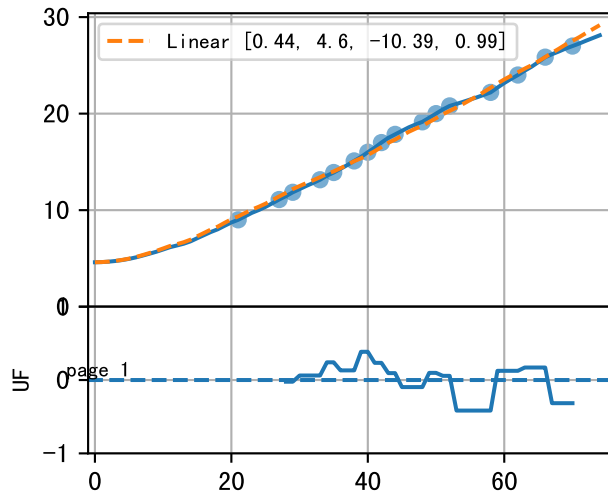
P10AW-029-30



P10AW-041-24



P10AW-054-10

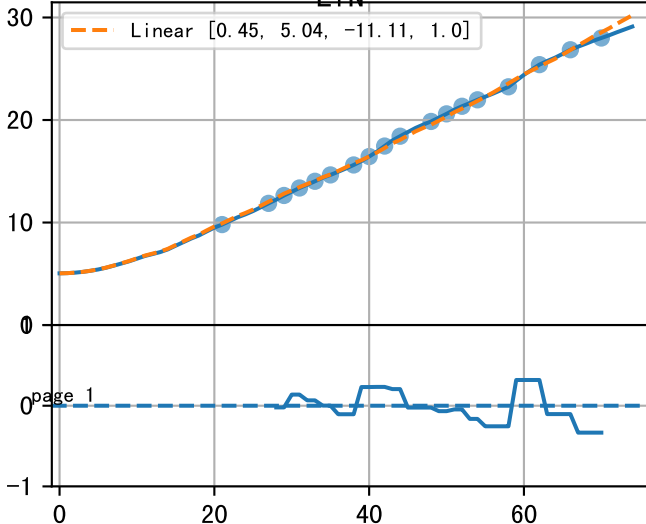


P10AWavg
Lfn

Linear [0.45, 5.04, -11.11, 1.0]

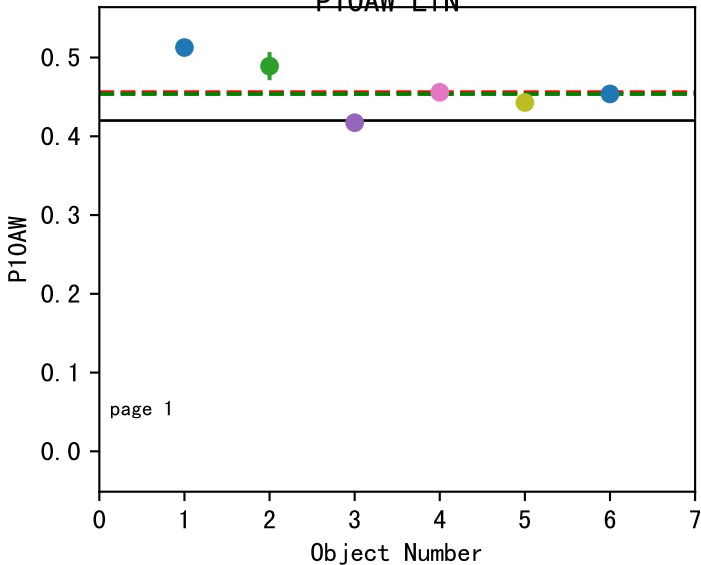
UF

page 1

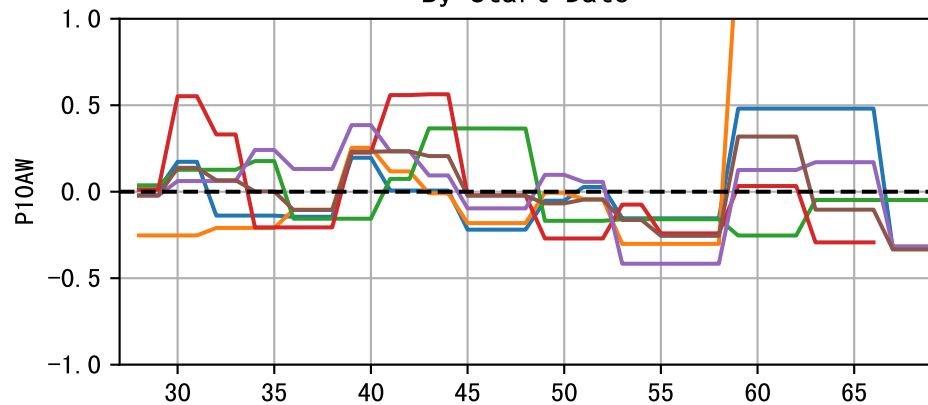


a (Def=0.42 Set=0.45)
avg1=0.46~8% avg2=0.45~2%

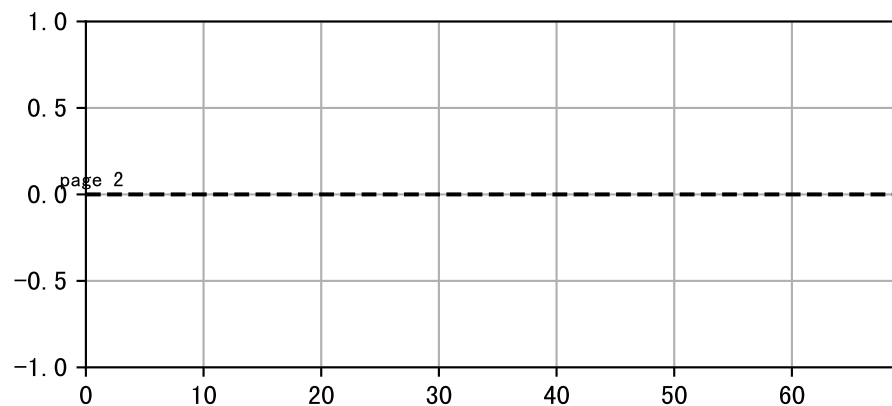
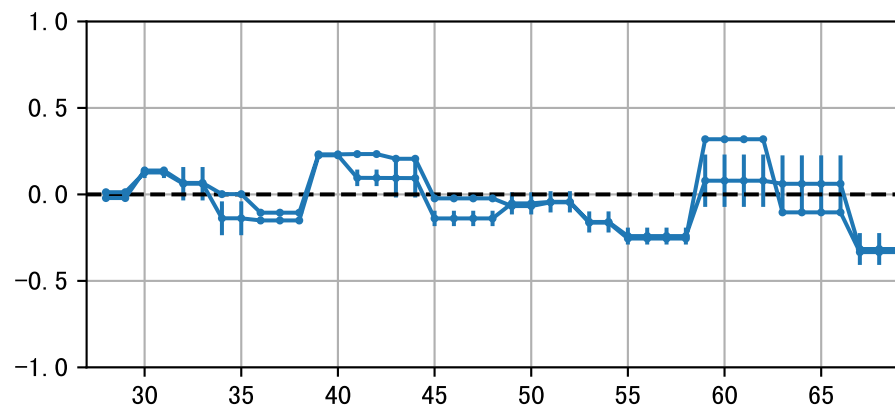
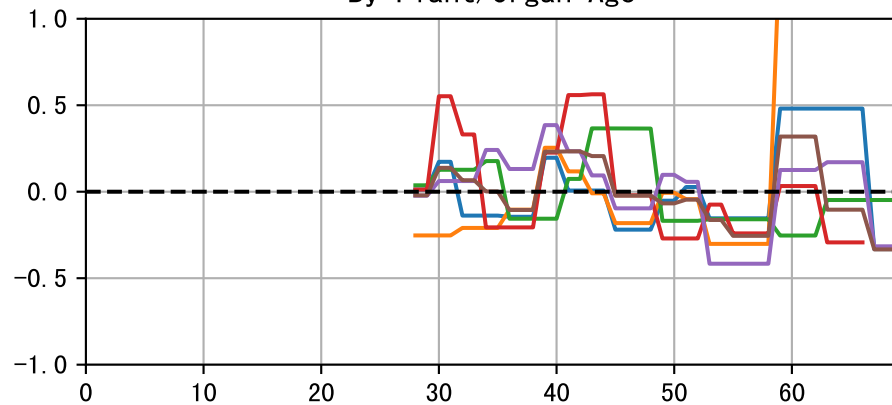
P10AW Lin



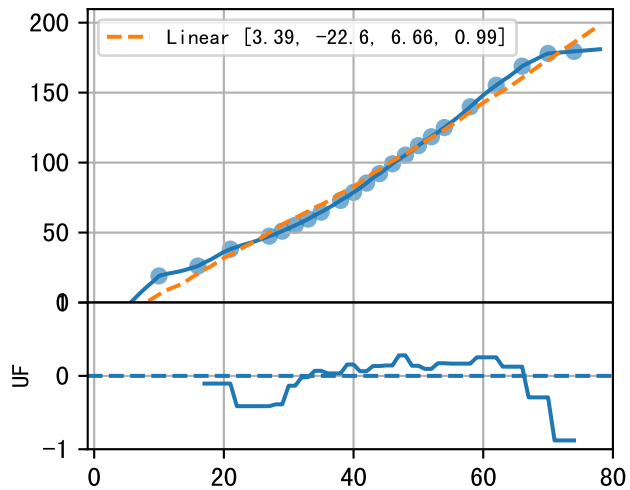
By Start Date



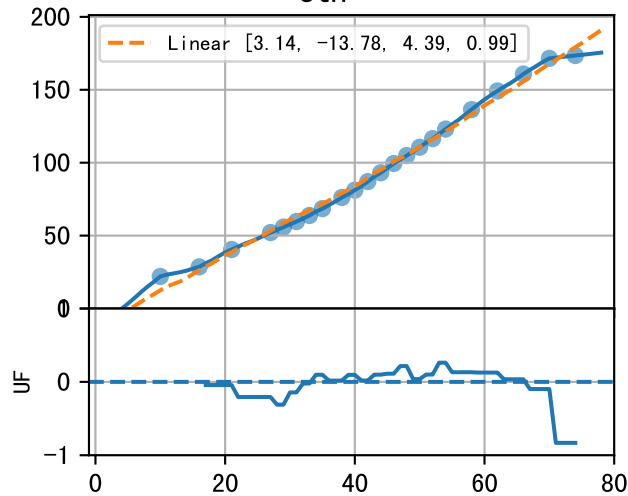
By Plant/Organ Age



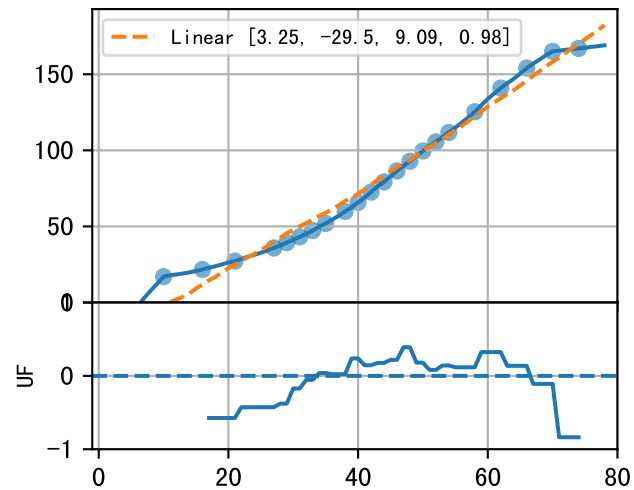
P10AW-003-11



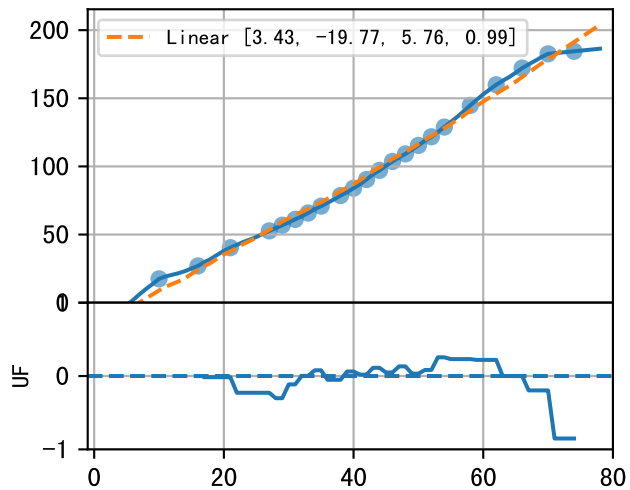
P10AW-016-3



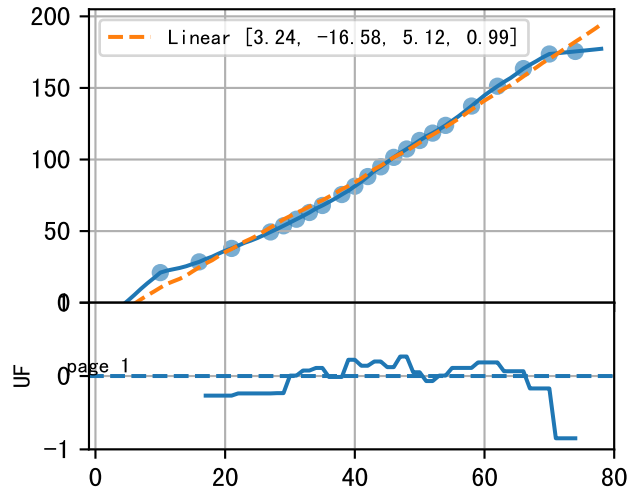
P10AW-029-30



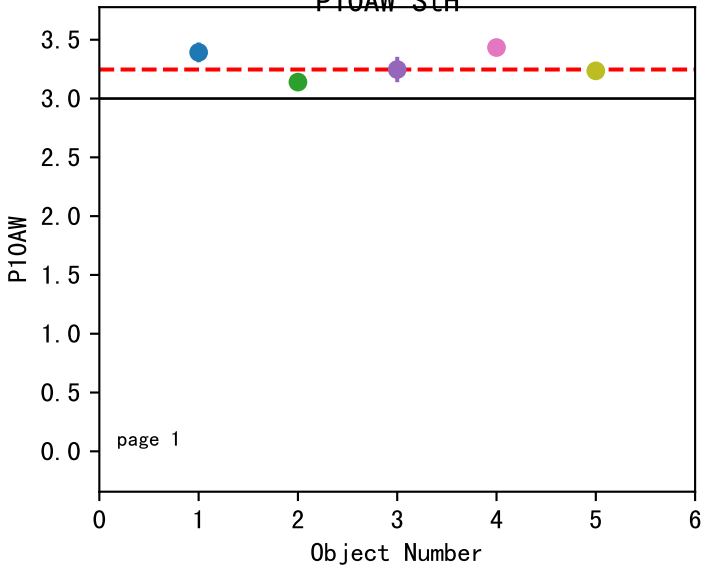
P10AW-041-24



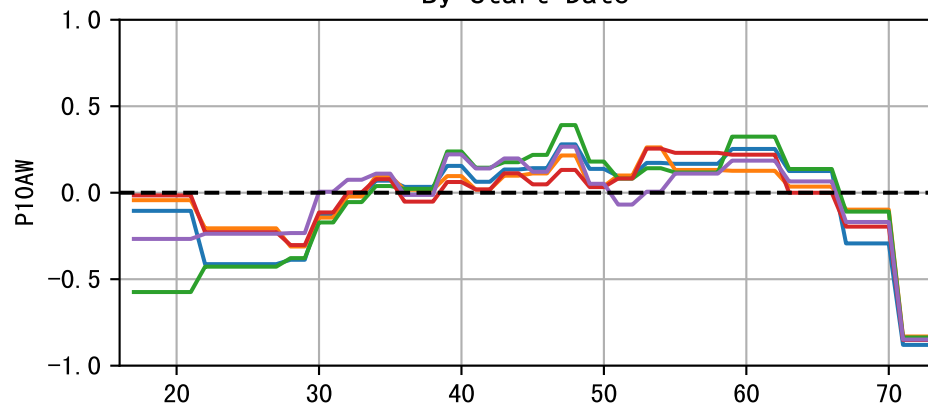
P10AW-054-10



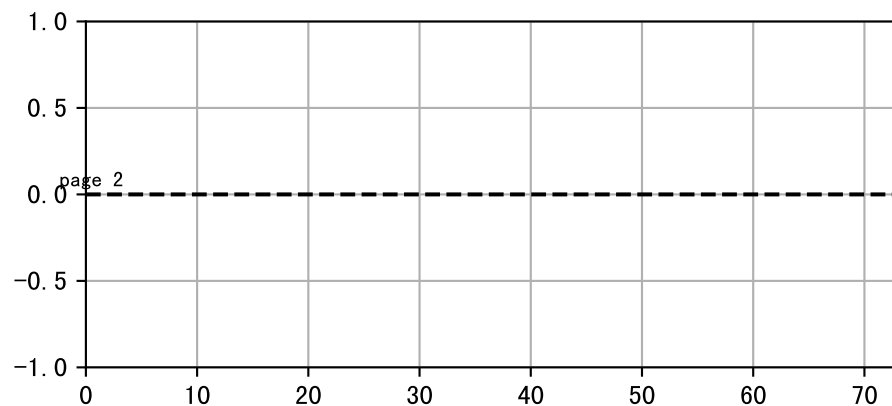
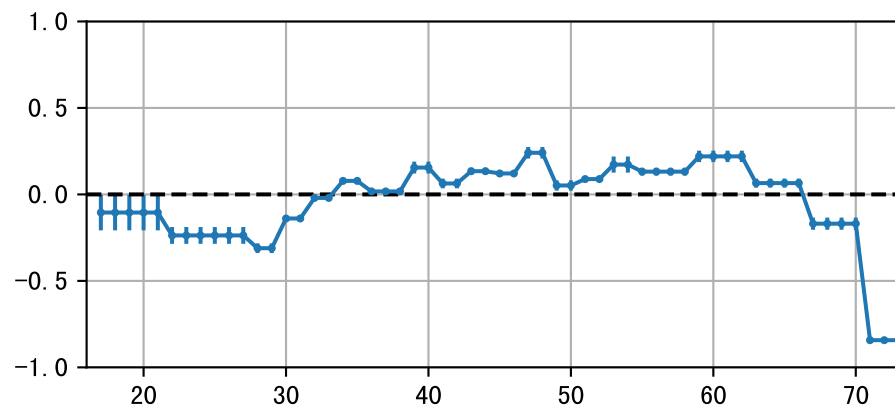
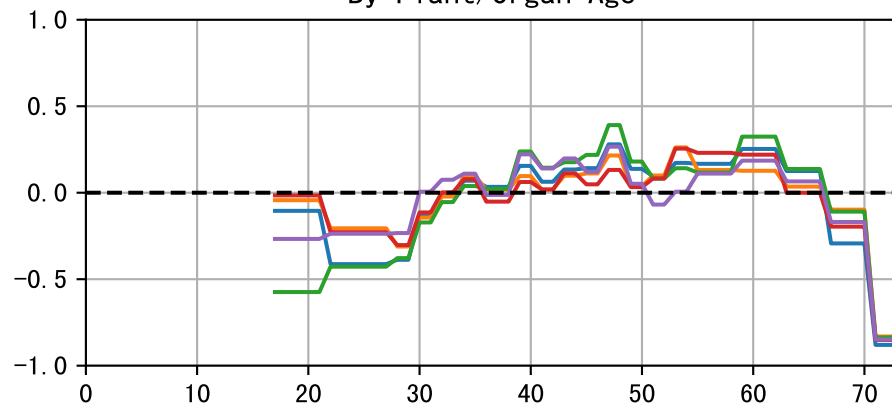
a (Def=3 Set=3.25)
avg1=3.25~4% avg2=na
P10AW StH



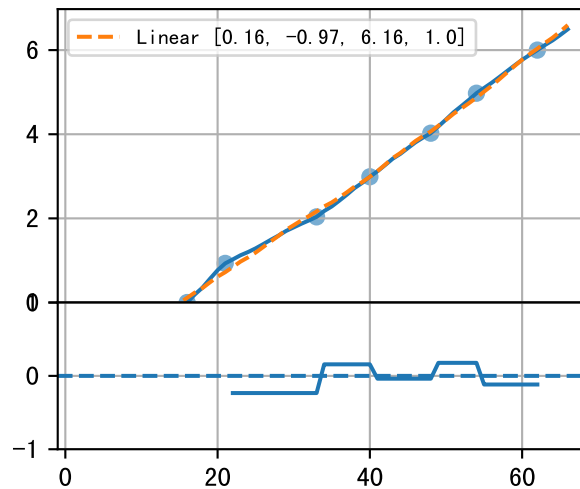
By Start Date



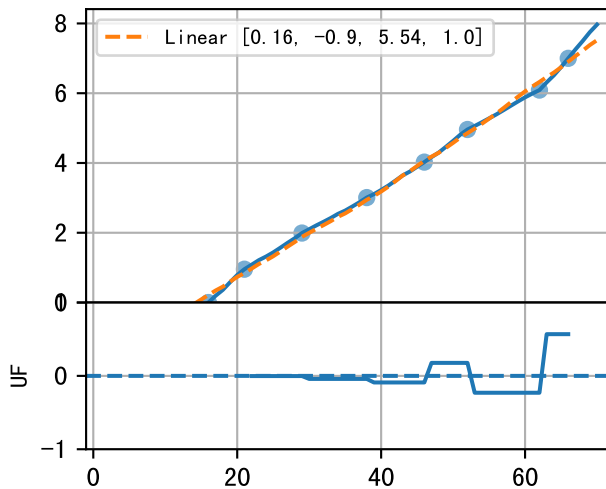
By Plant/Organ Age



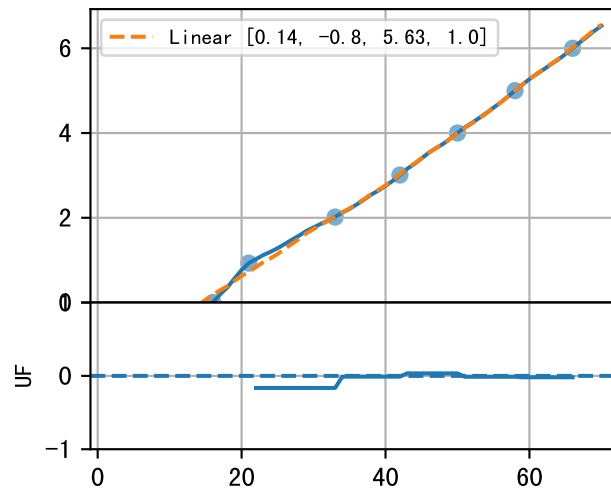
P10AW-003-11



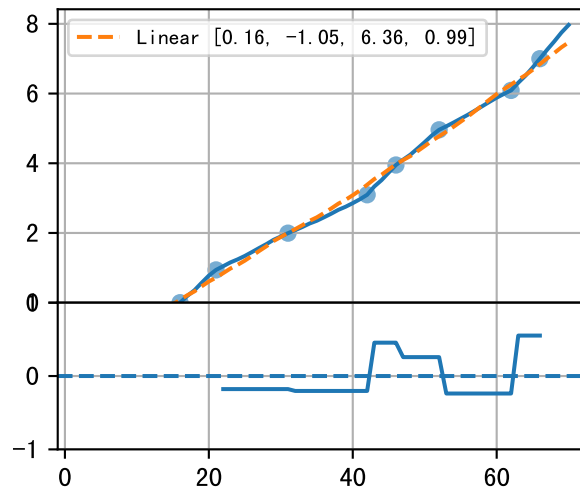
P10AW-016-3



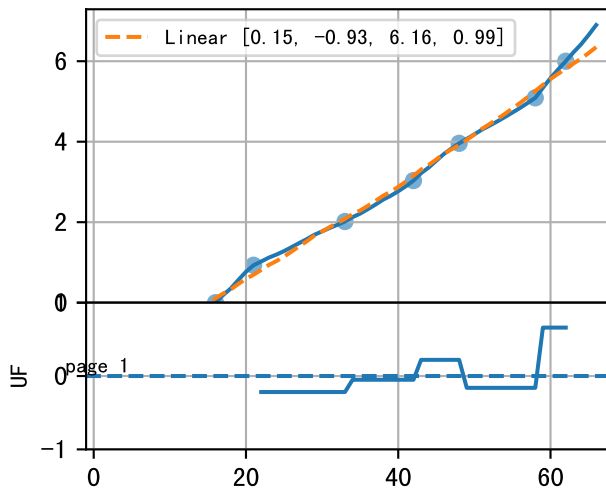
P10AW-029-30



P10AW-041-24



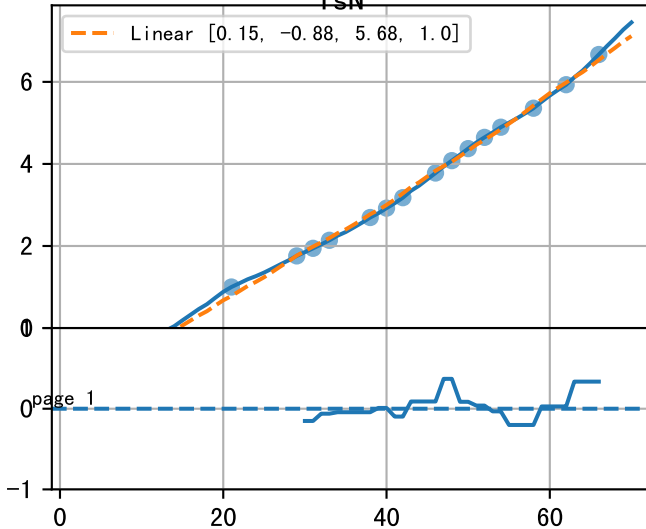
P10AW-054-10



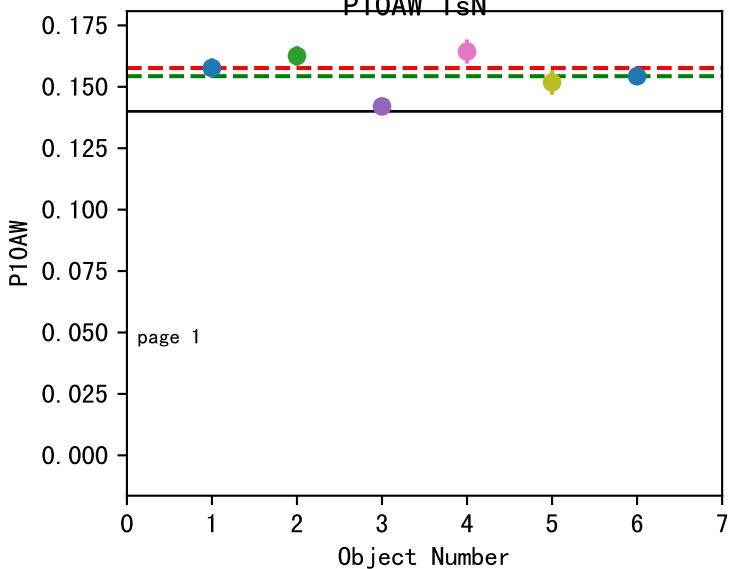
P10AWavg
TSN

Linear [0.15, -0.88, 5.68, 1.0]

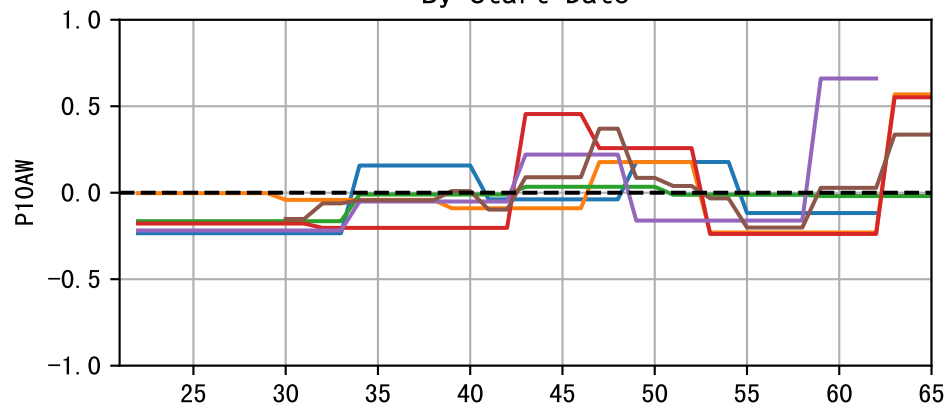
UF
page 1



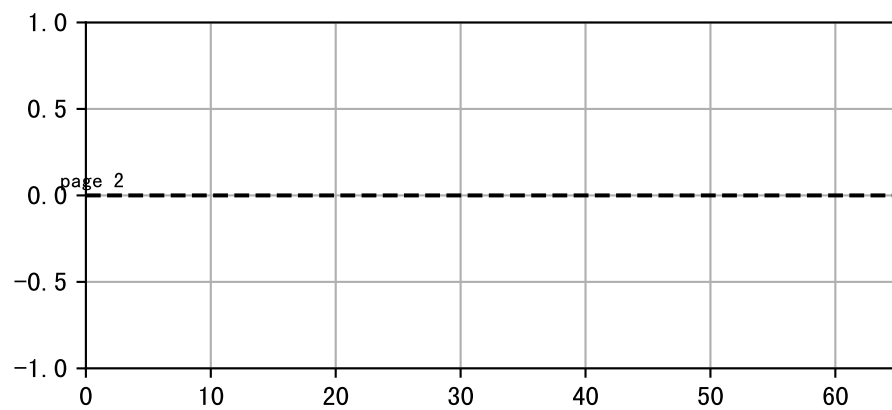
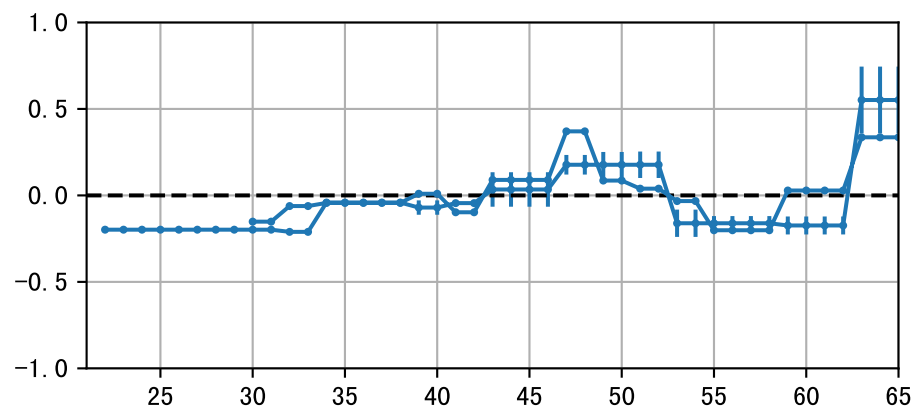
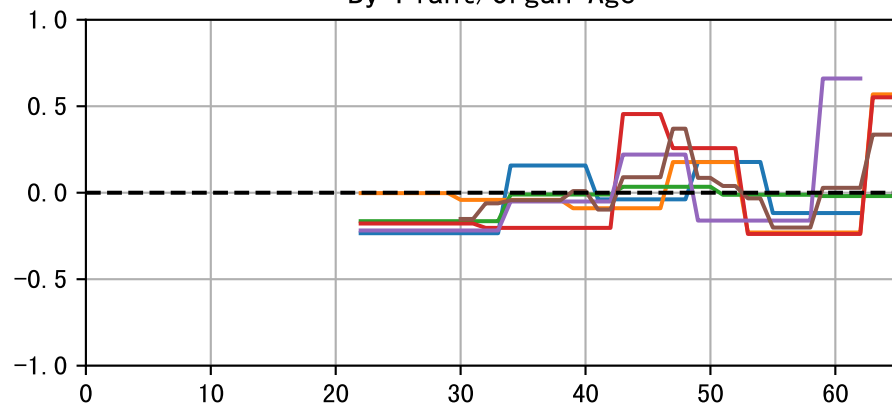
a (Def=0.14 Set=0.15)
avg1=0.16 $\sim$ 6% avg2=0.15 $\sim$ 3%



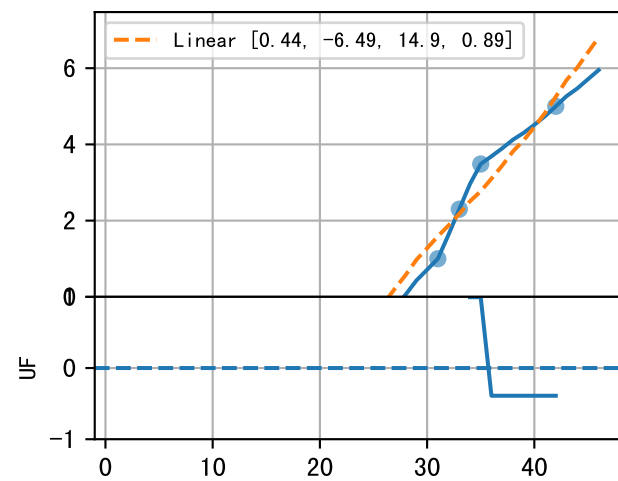
By Start Date



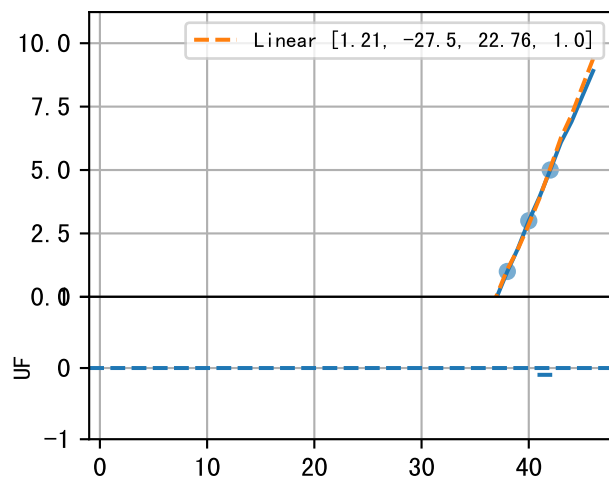
By Plant/Organ Age



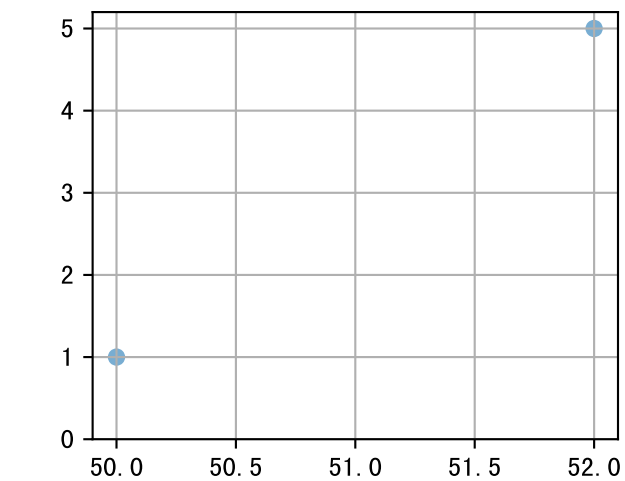
P10AW-003-11T1



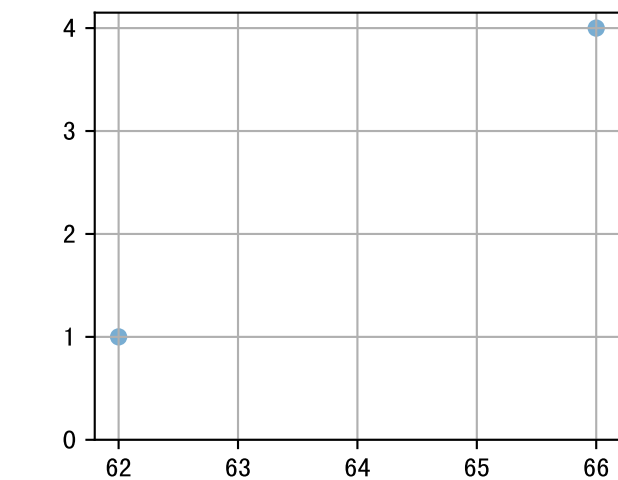
P10AW-003-11T2



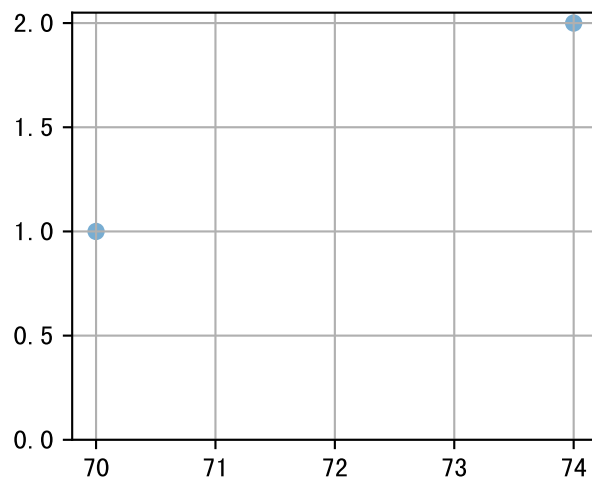
P10AW-003-11T3 (fit failed)



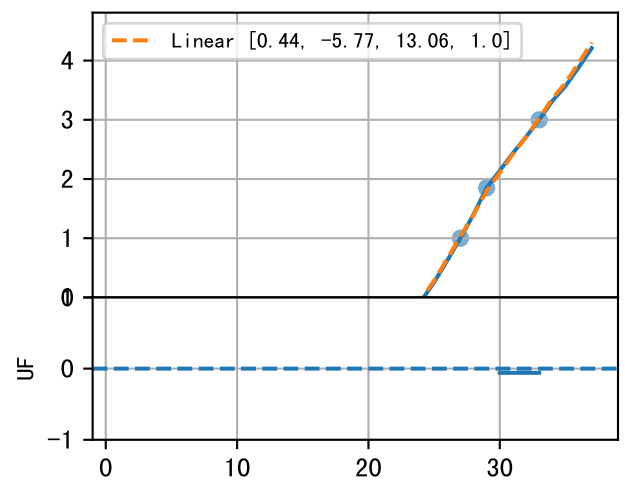
P10AW-003-11T5 (fit failed)



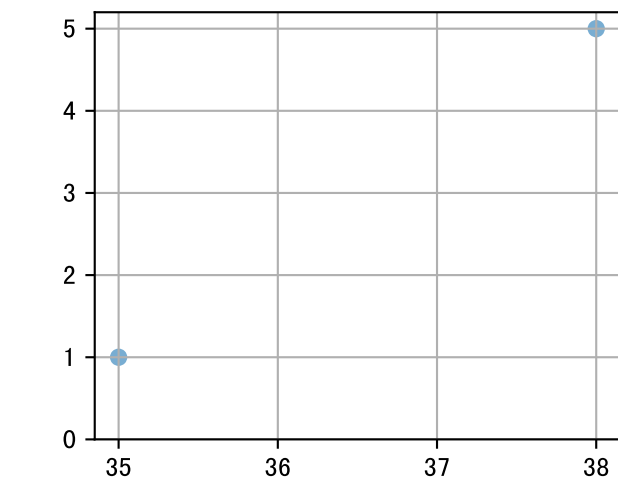
P10AW-003-11T6 (fit failed)



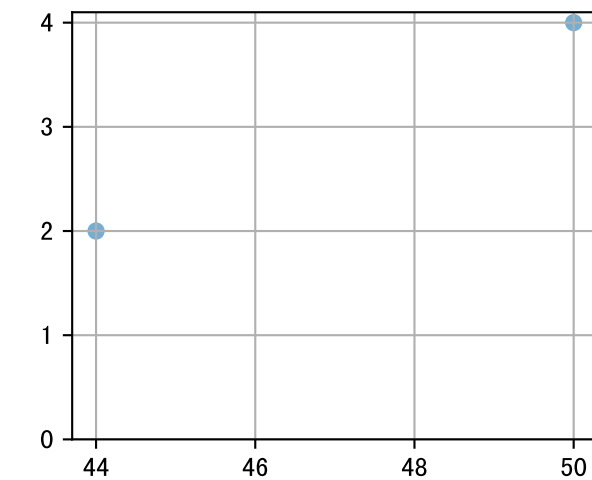
P10AW-016-3T1



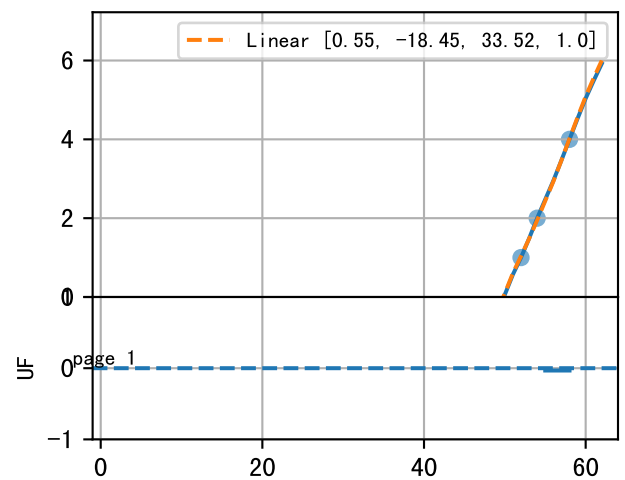
P10AW-016-3T2 (fit failed)

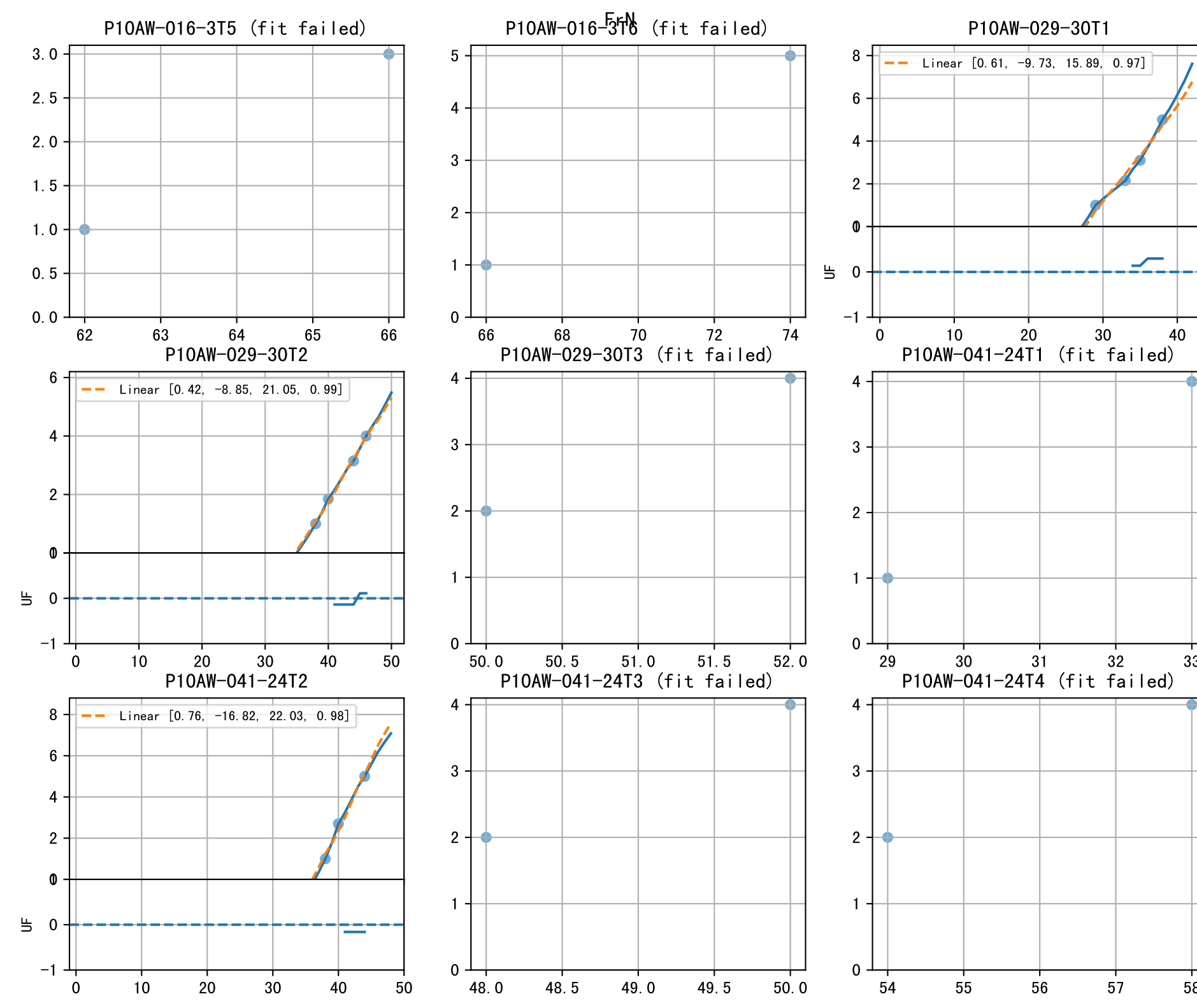


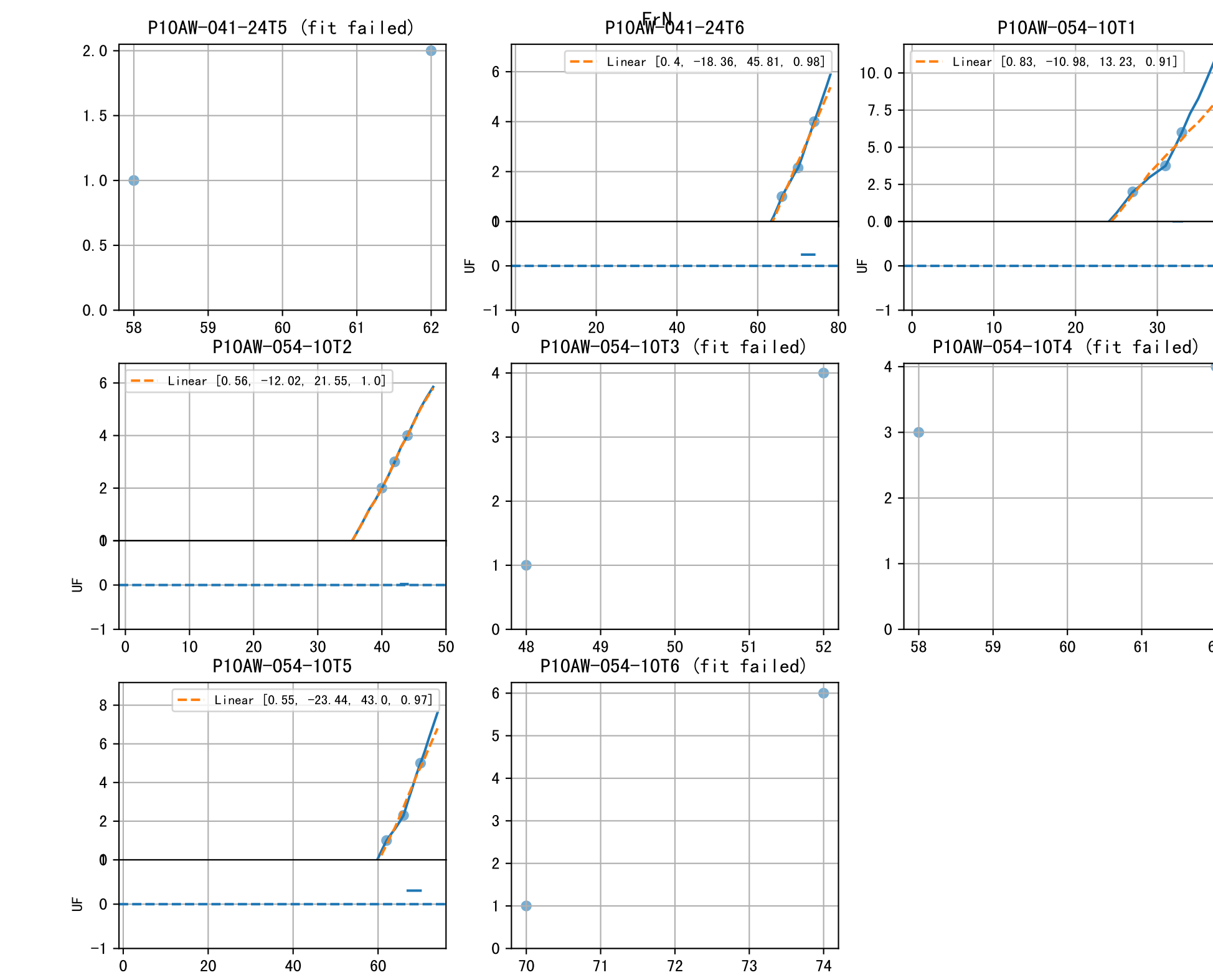
P10AW-016-3T3 (fit failed)



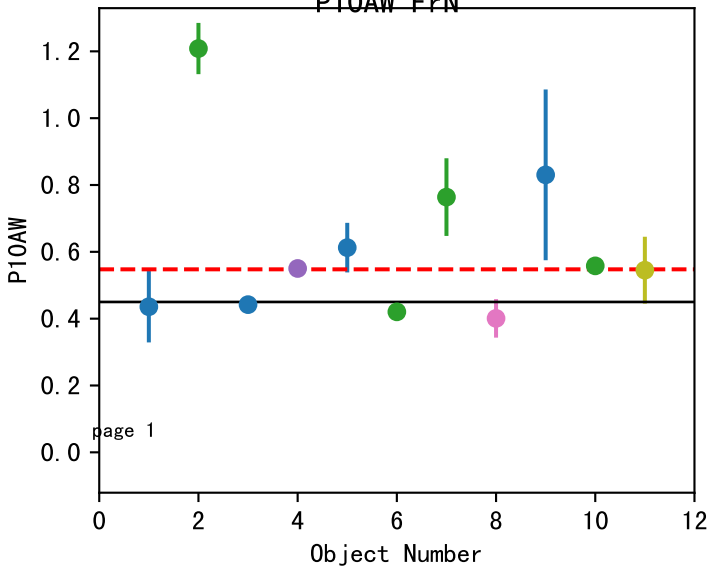
P10AW-016-3T4



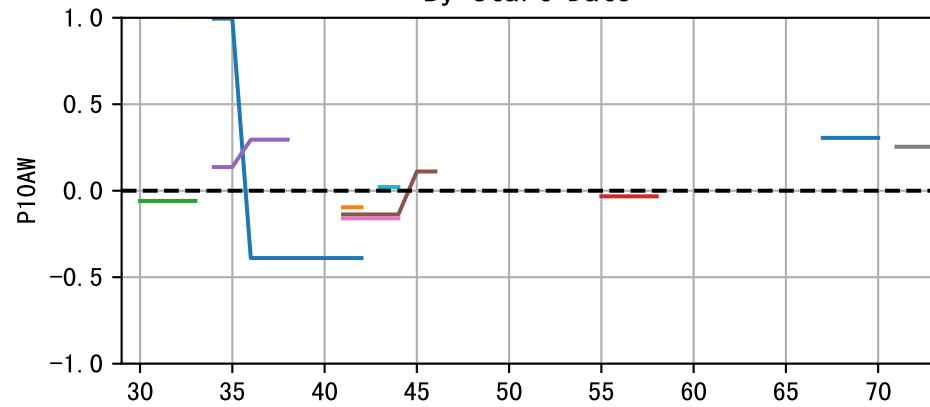




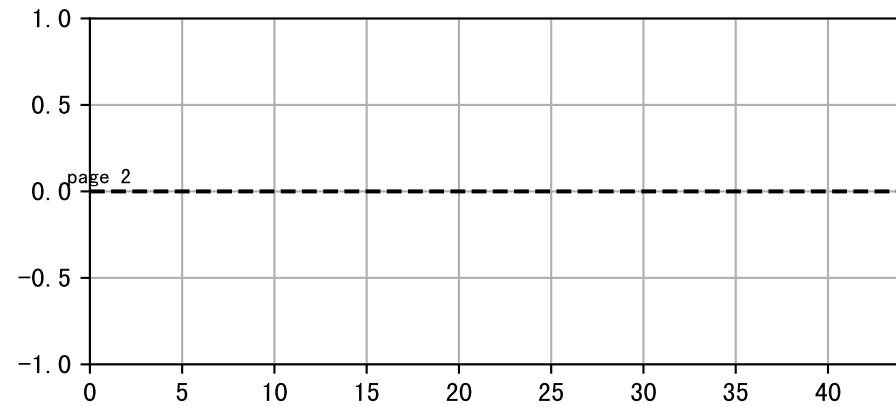
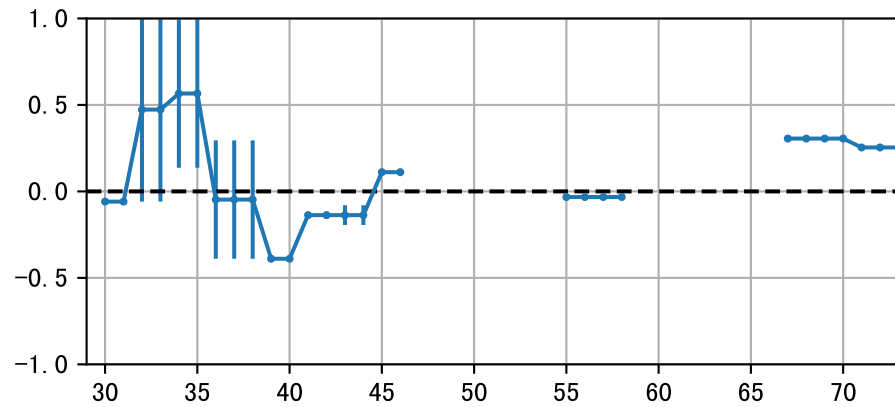
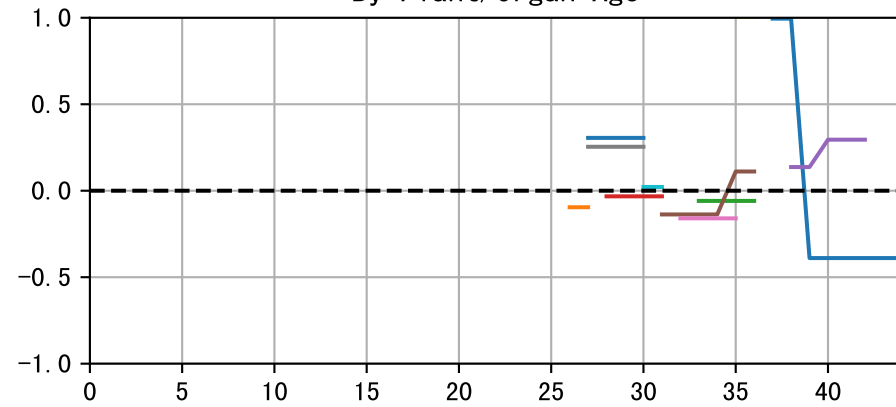
a (Def=0.45 Set=0.55)
avg1=0.55~27% avg2=na

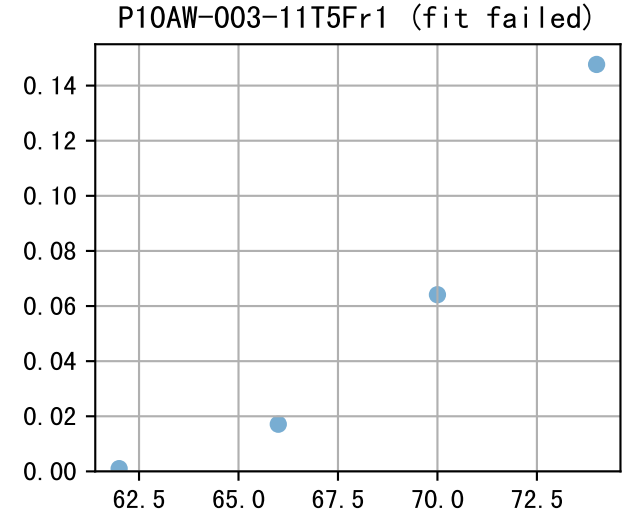
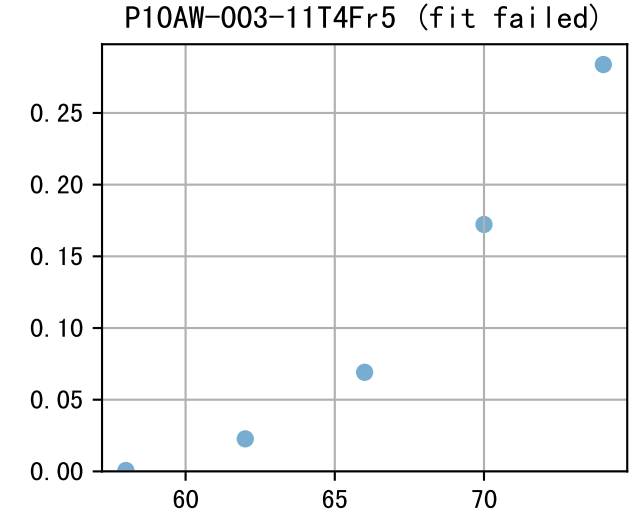
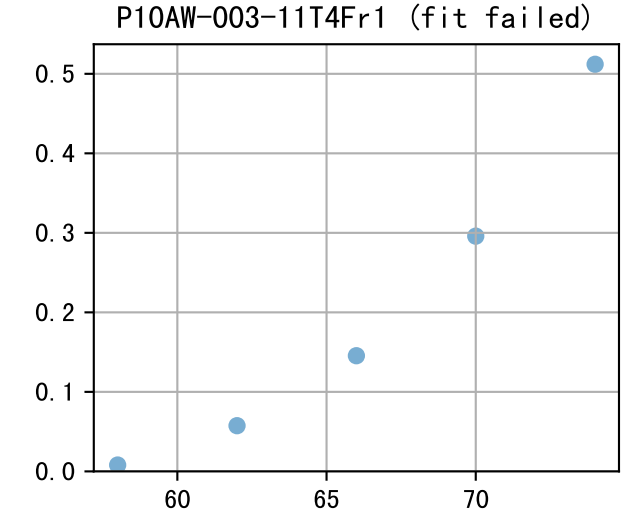
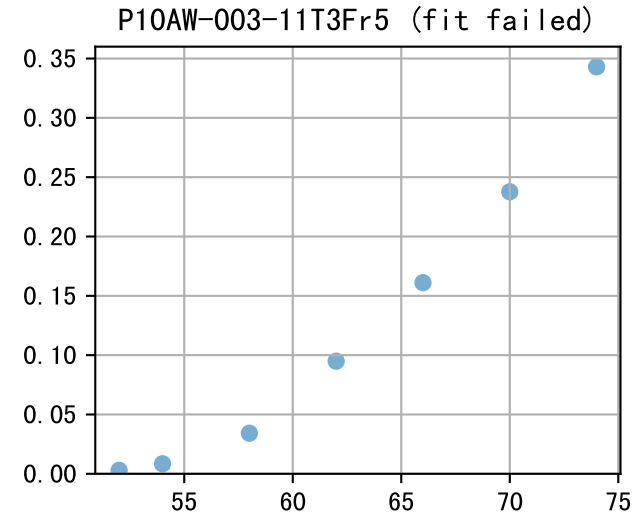
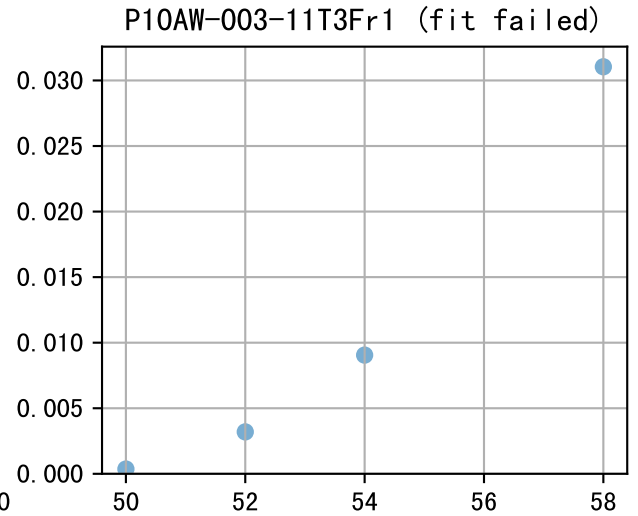
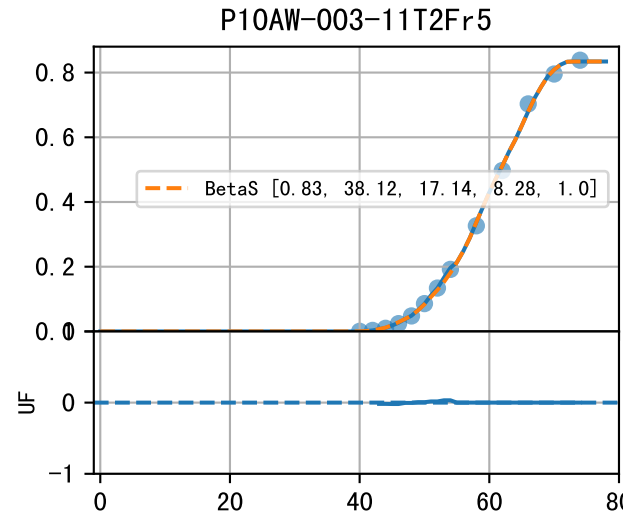
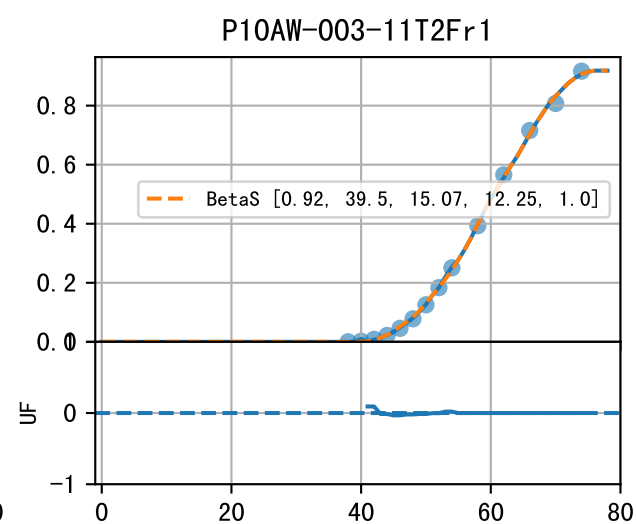
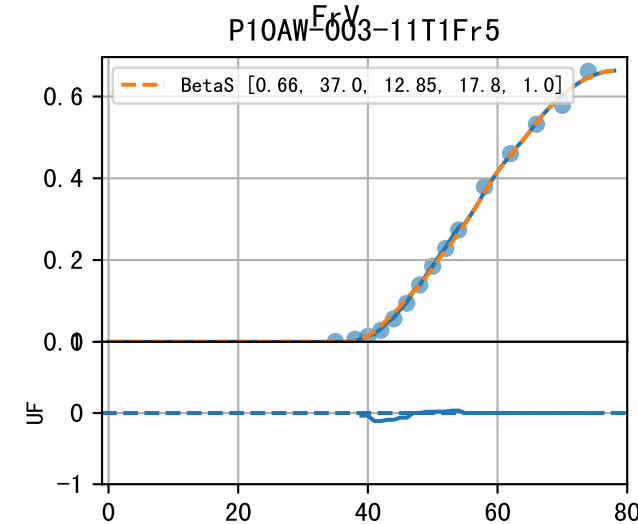
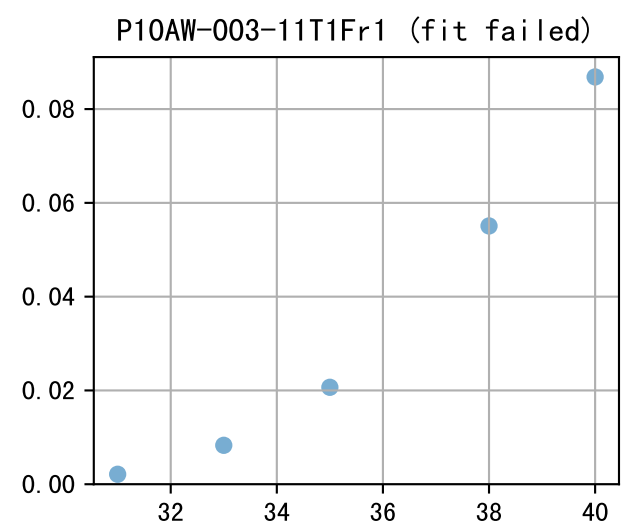


By Start Date

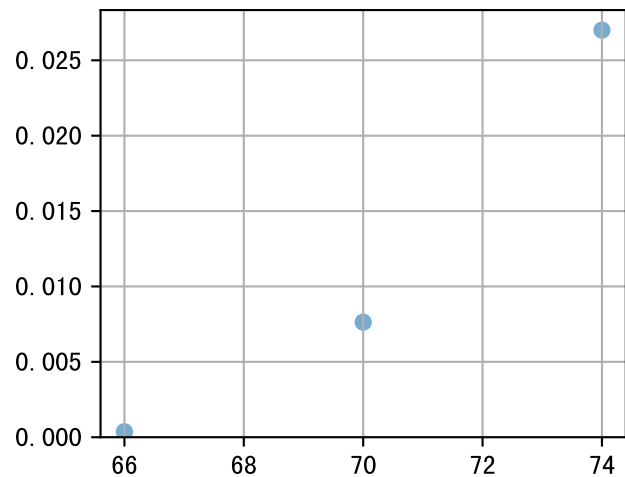


By Plant/Organ Age

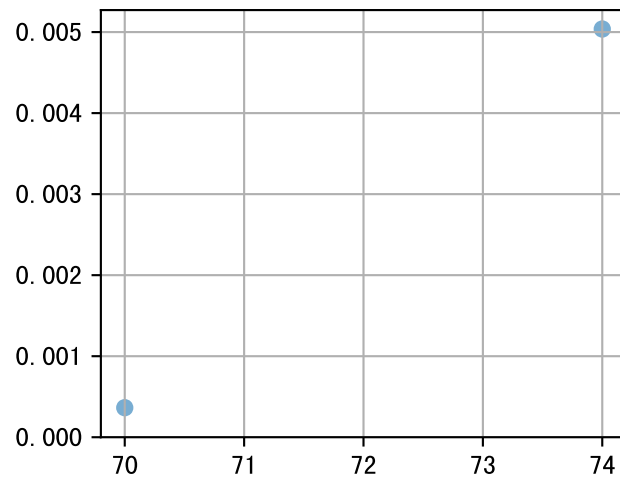




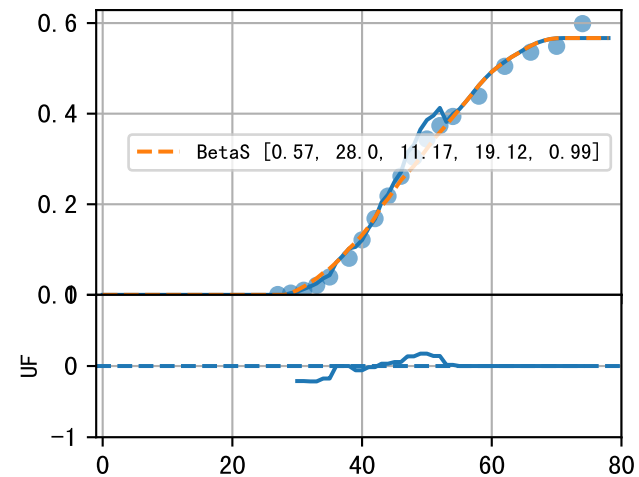
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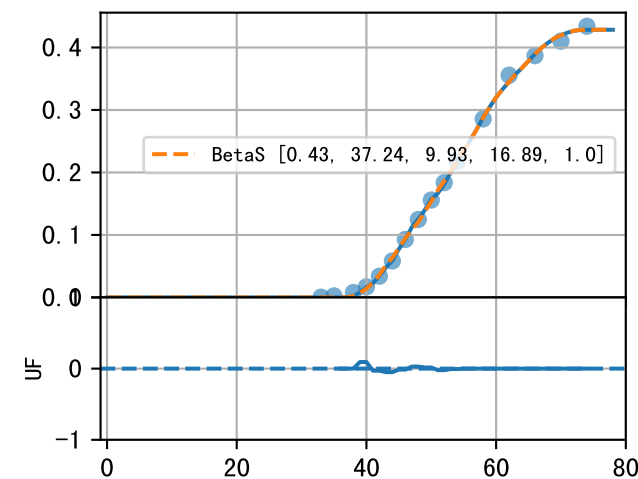
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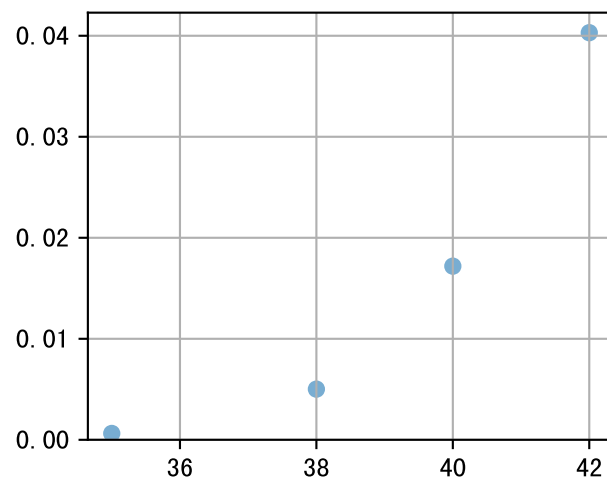
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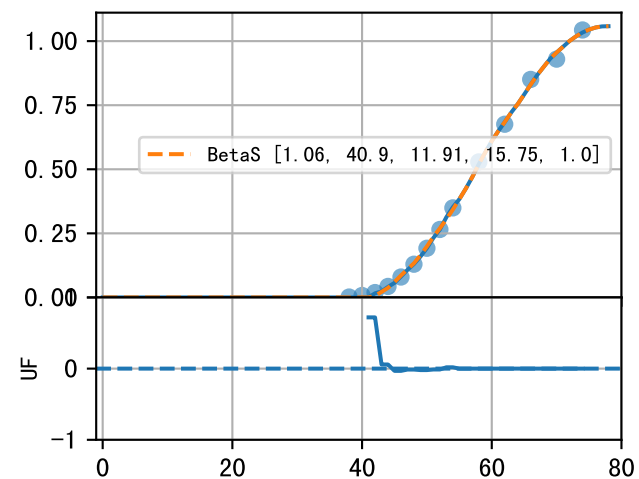
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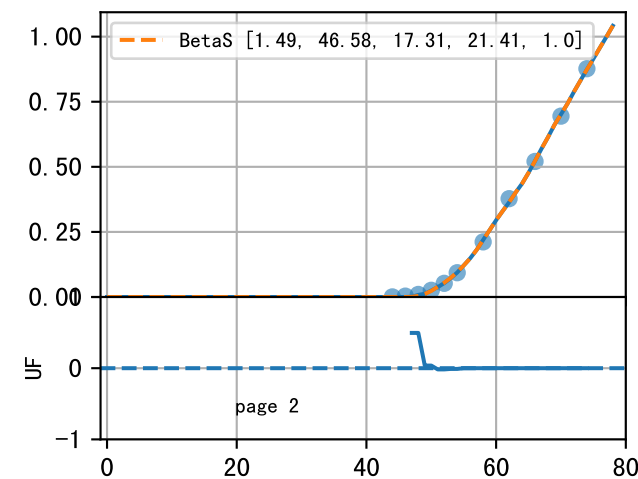
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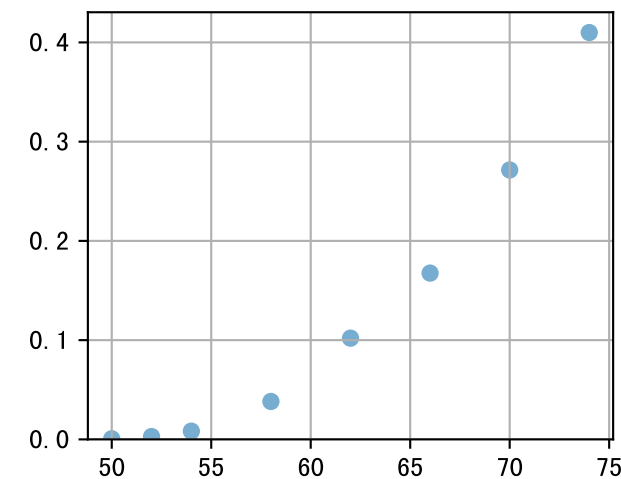
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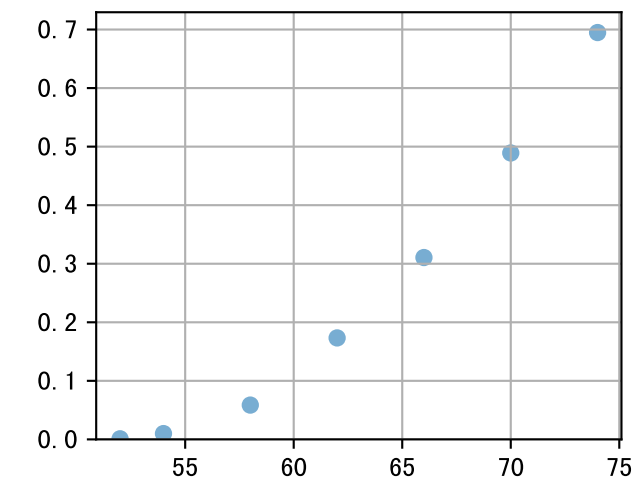
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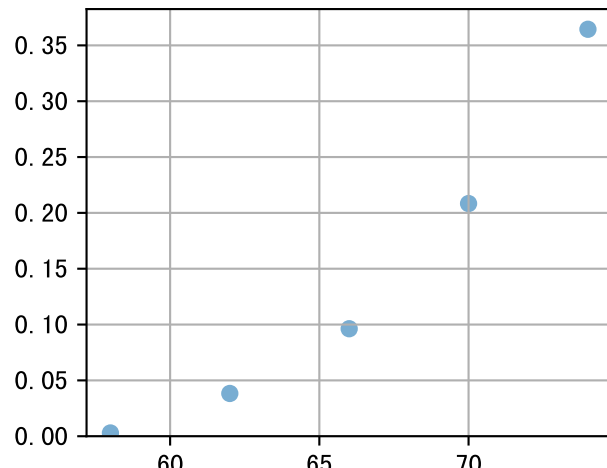


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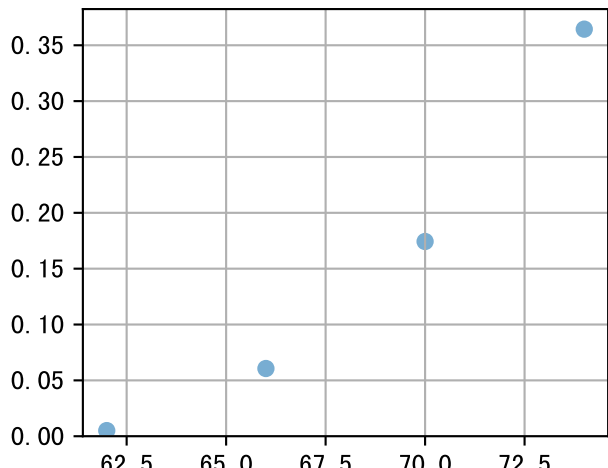


FrV

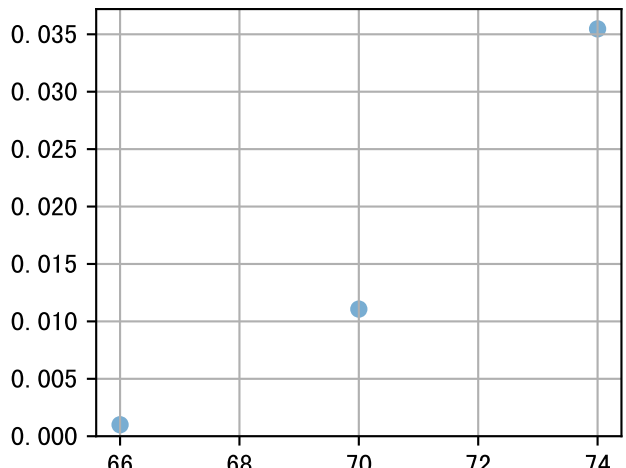
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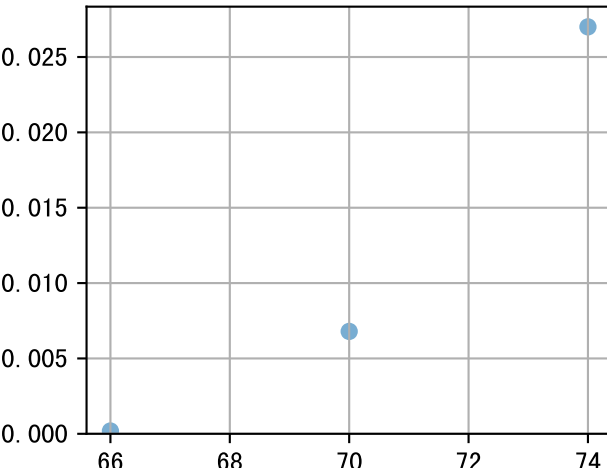
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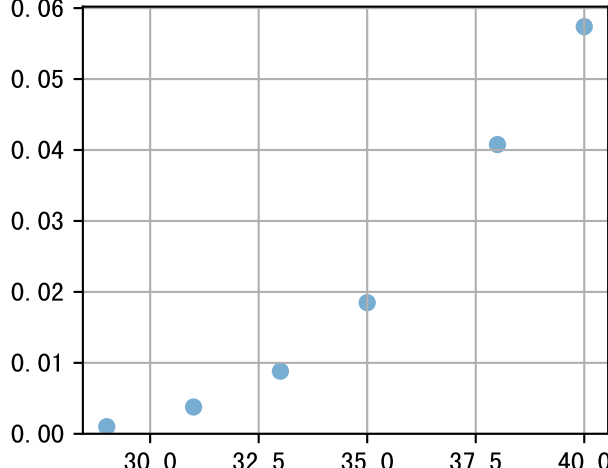
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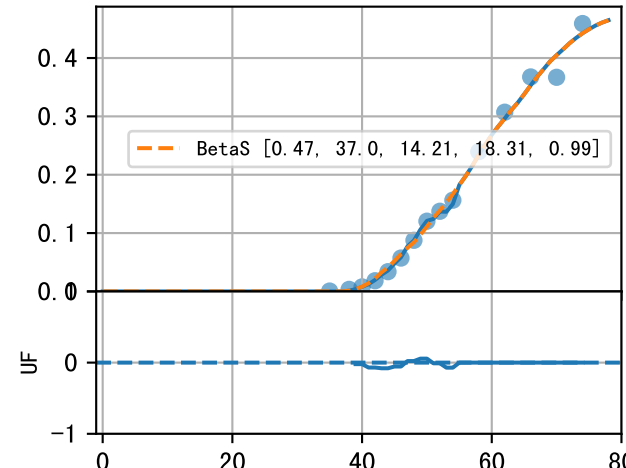
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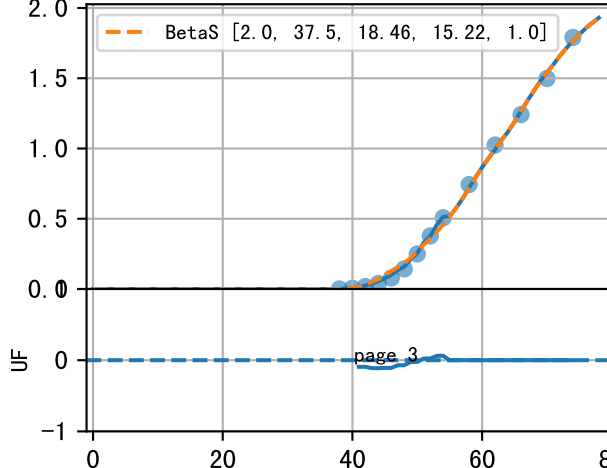
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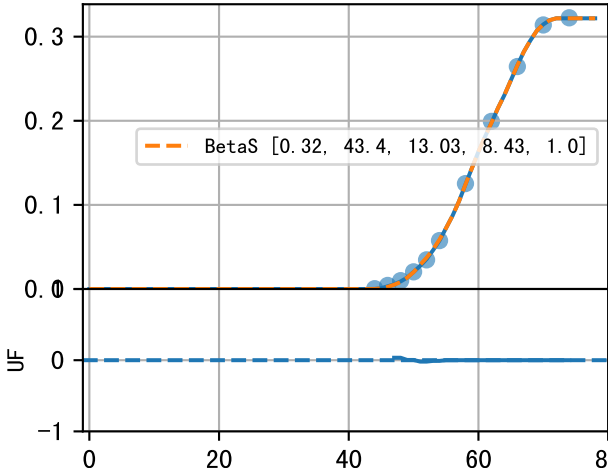
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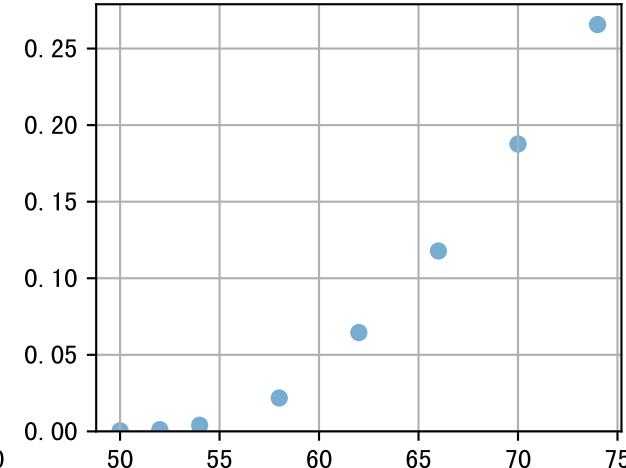
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P10AW-029-30T2Fr5



P10AW-029-30T3Fr1 (fit failed)

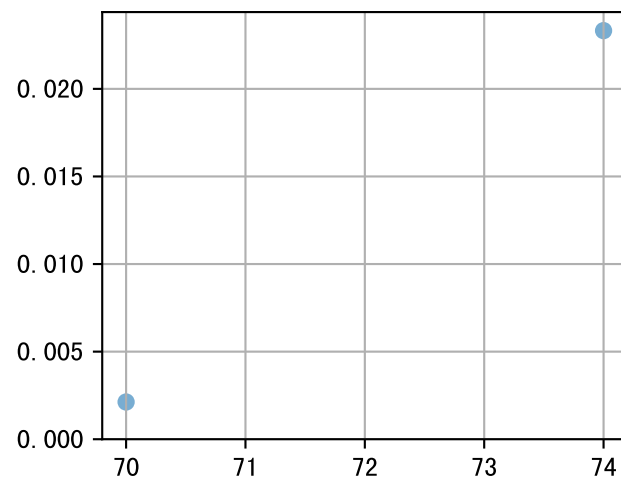
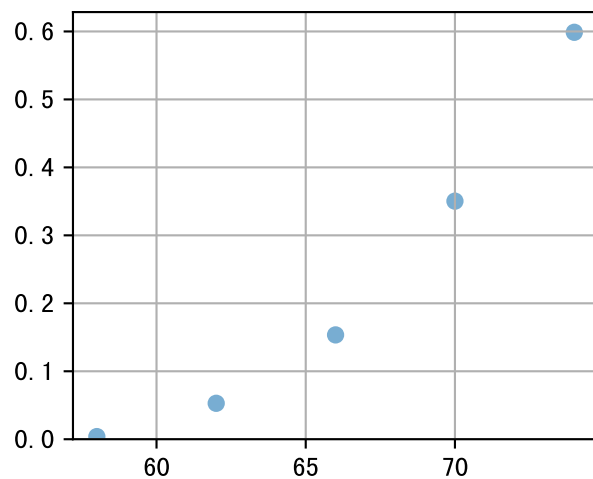
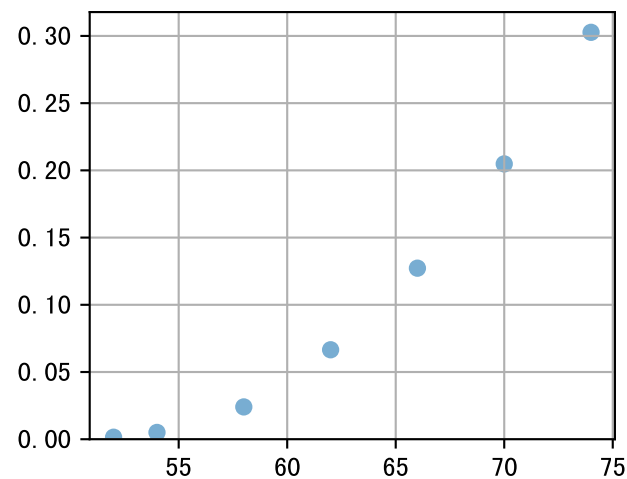


FrV

P10AW-029-30T3Fr5 (fit failed)

P10AW-029-30T4Fr1 (fit failed)

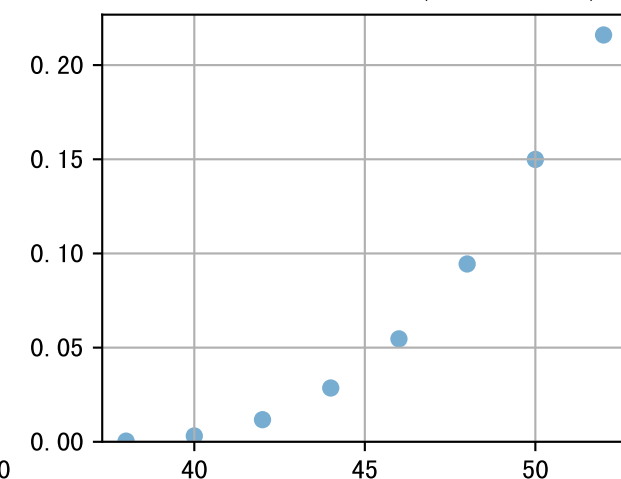
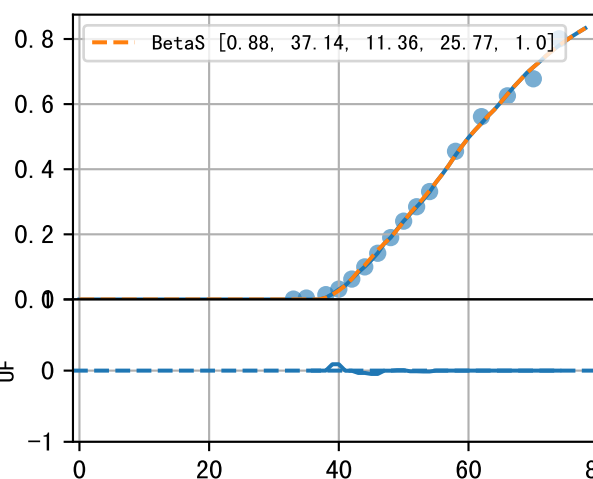
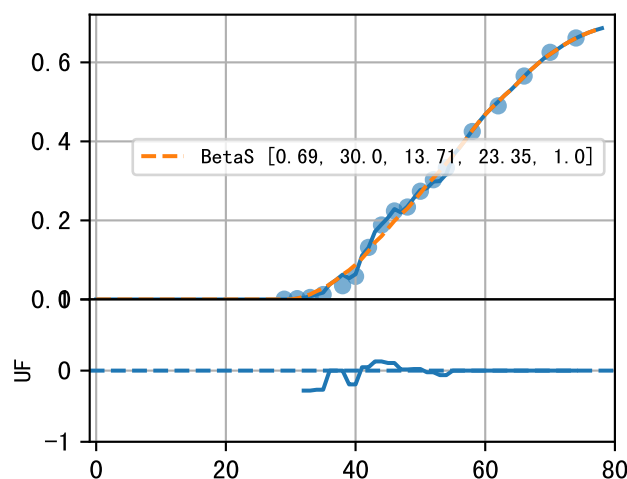
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P10AW-041-24T1Fr1

P10AW-041-24T1Fr5

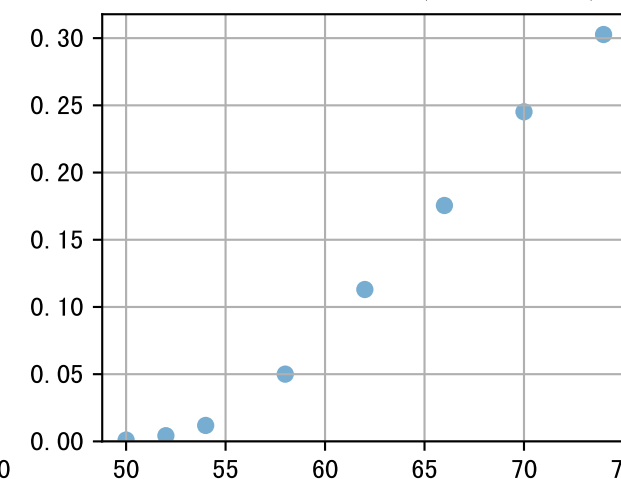
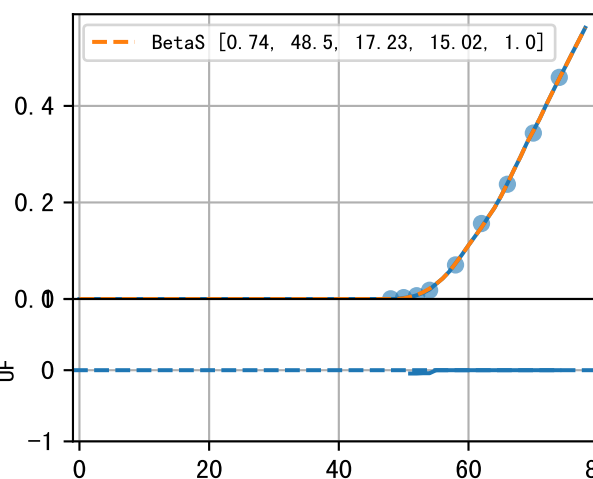
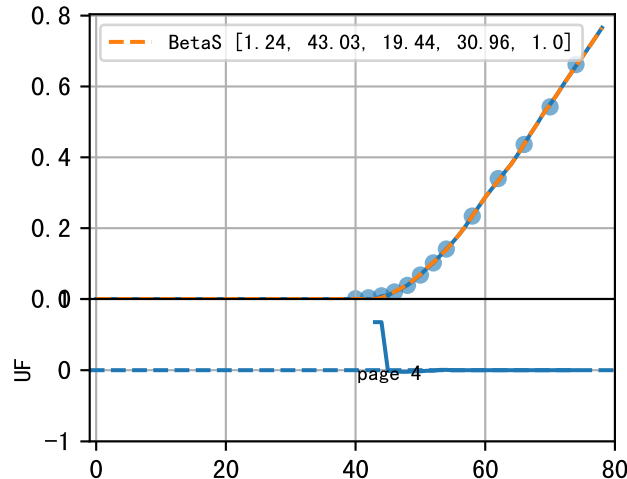
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P10AW-041-24T2Fr5

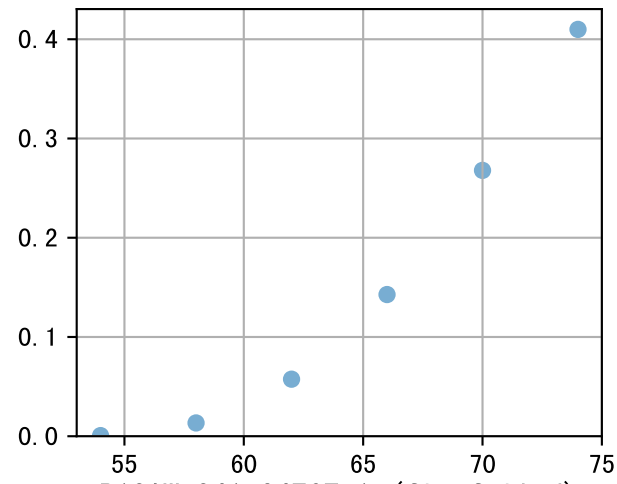
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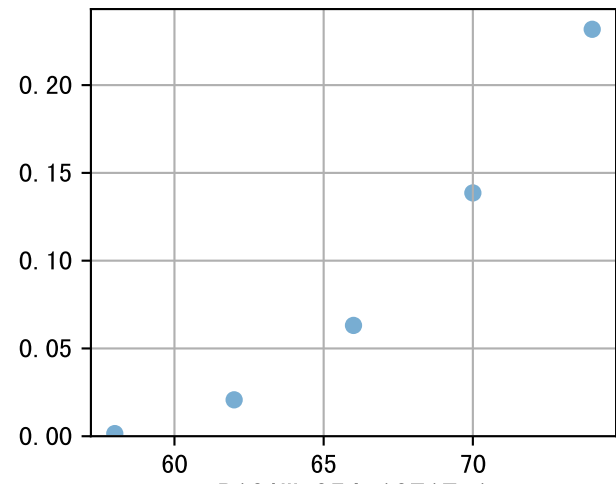


FrV

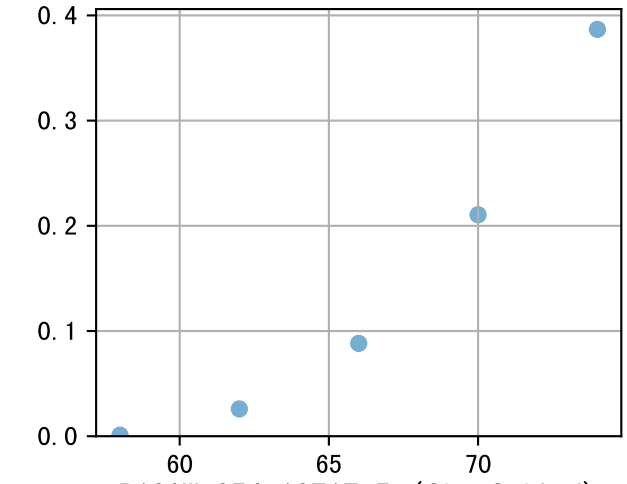
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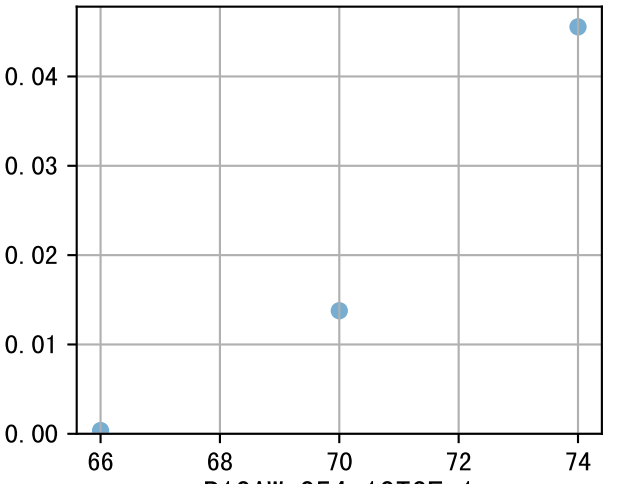
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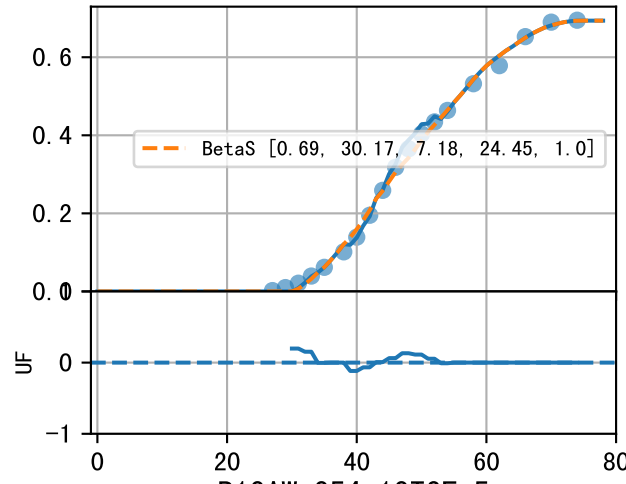
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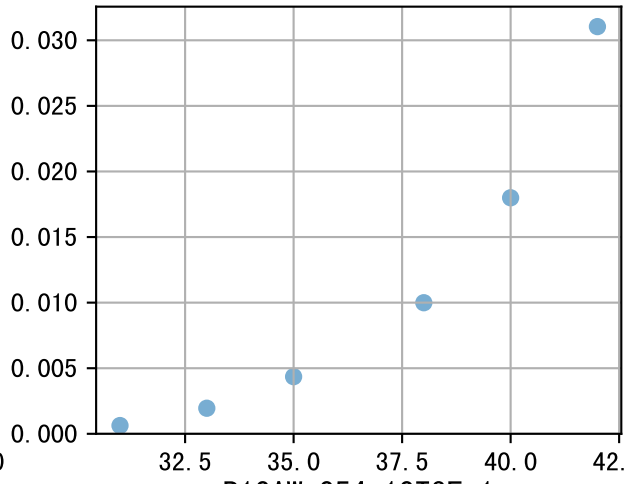
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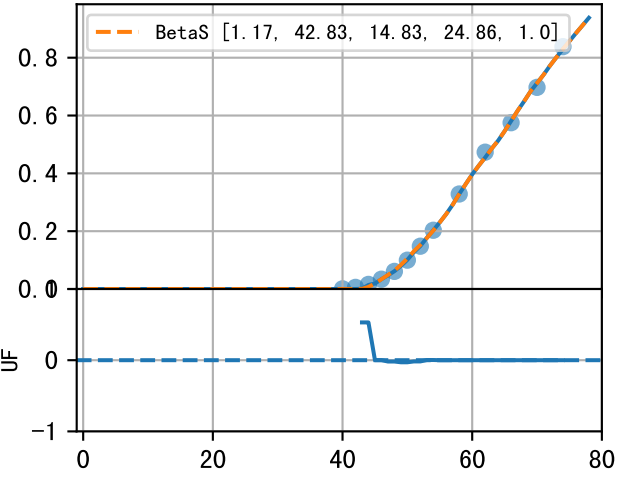
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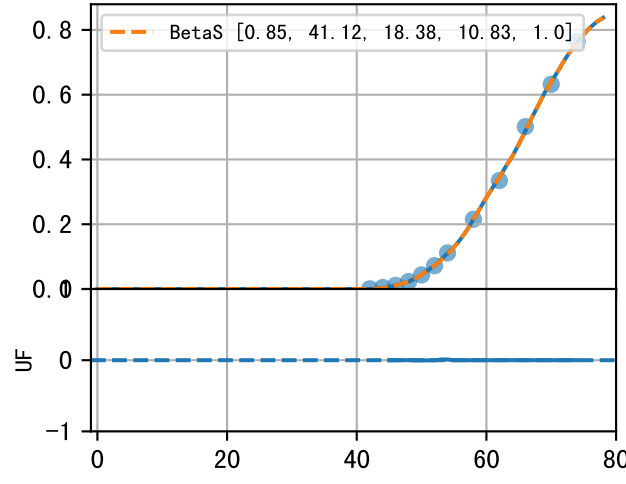
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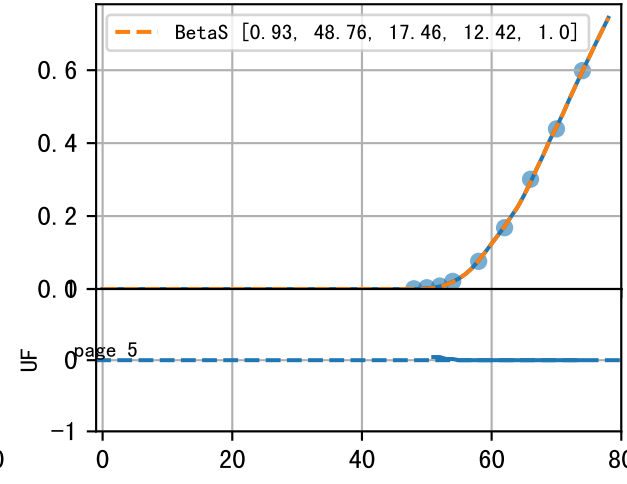
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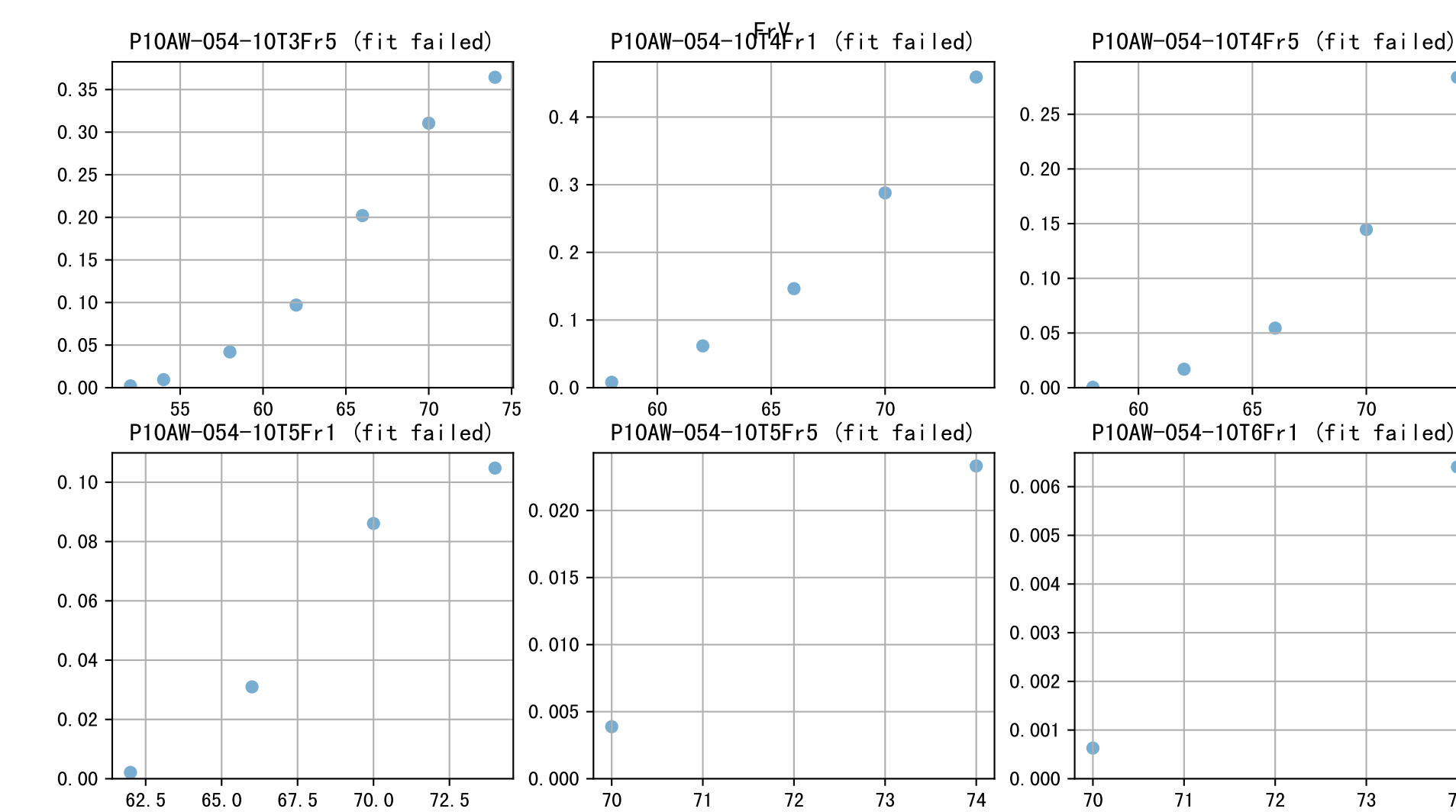


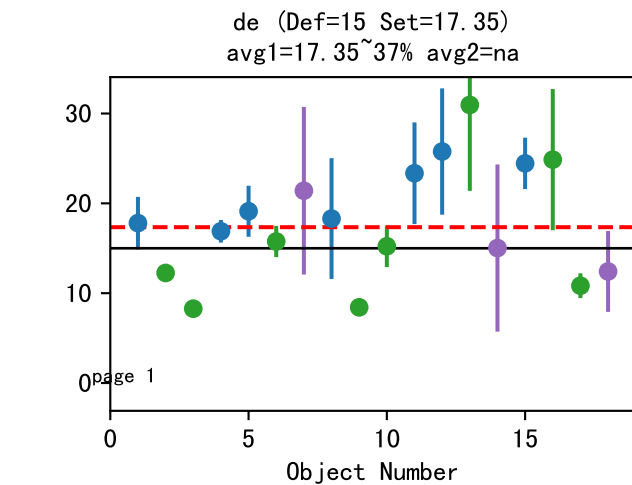
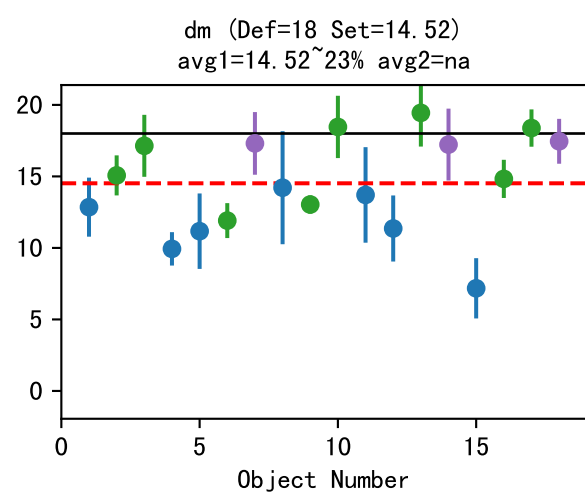
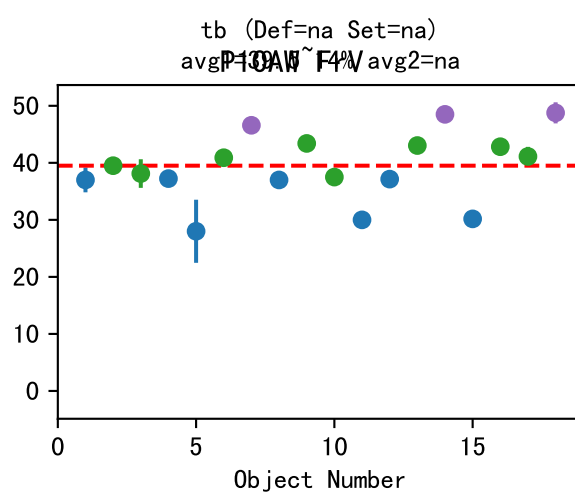
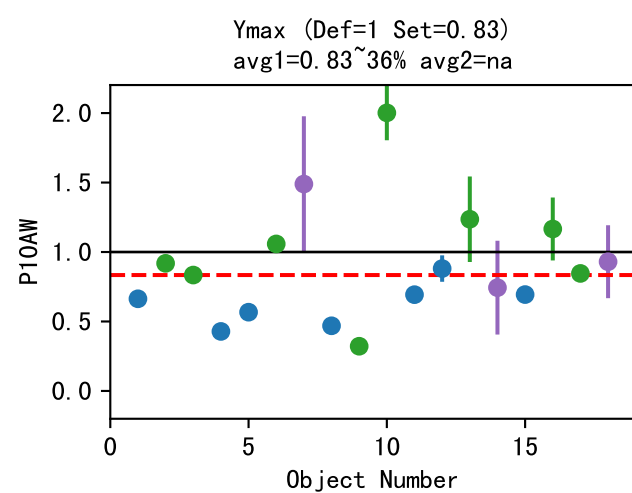
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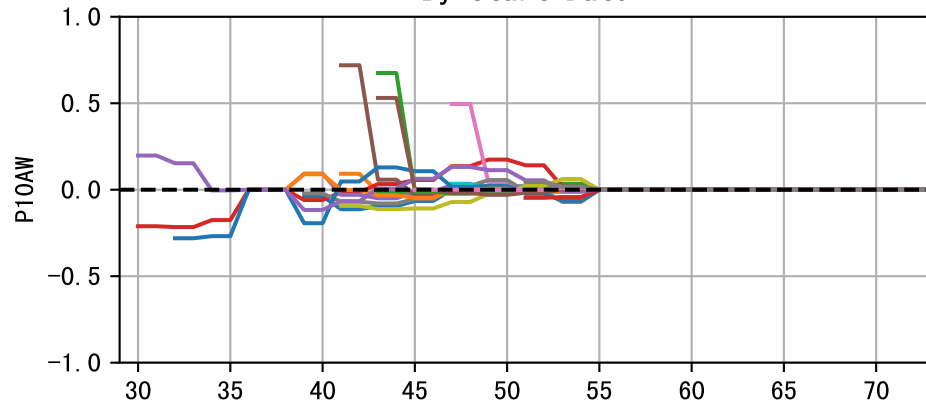
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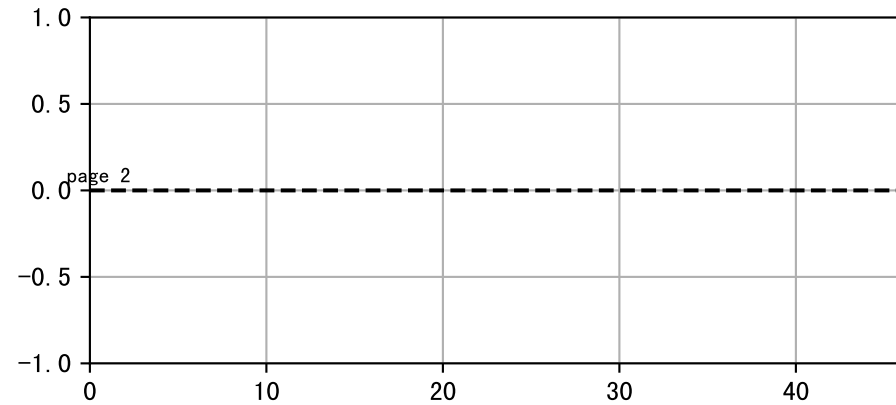
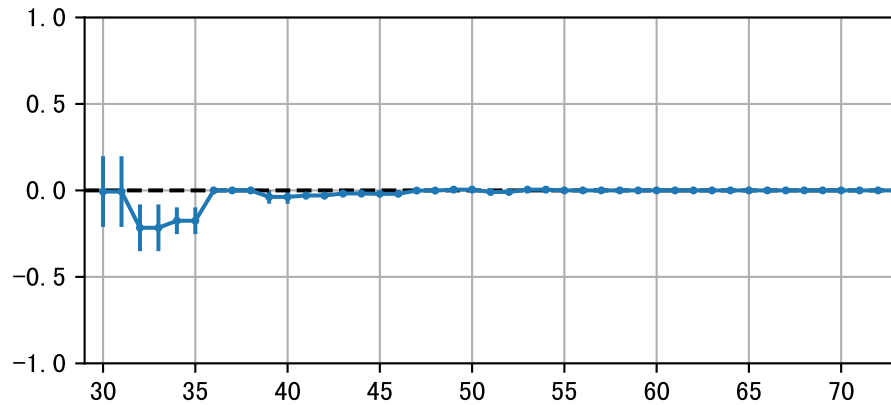
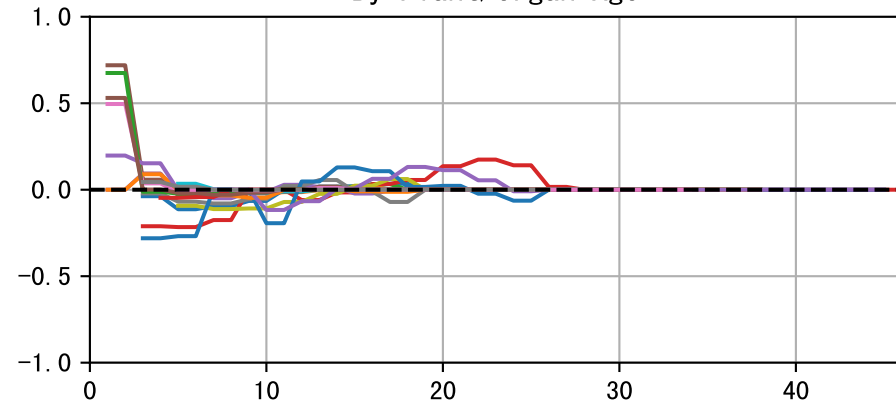




By Start Date



By Plant/Organ Age

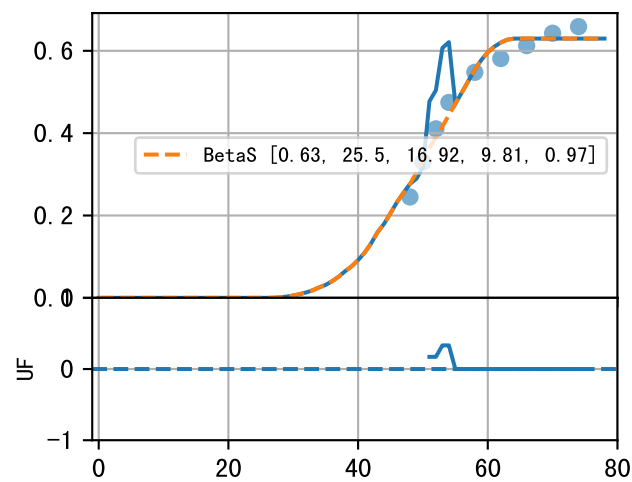
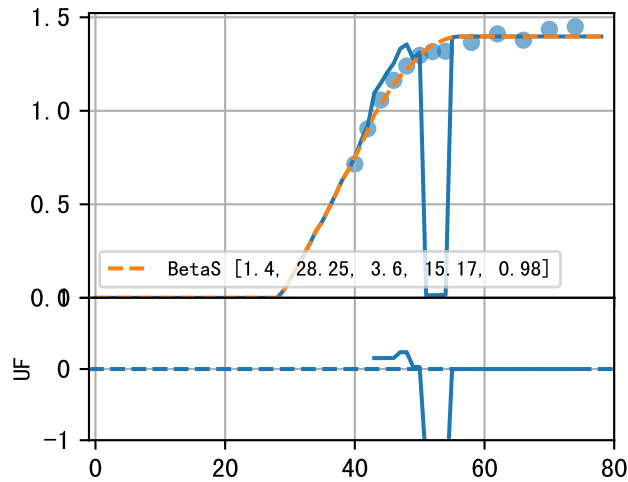
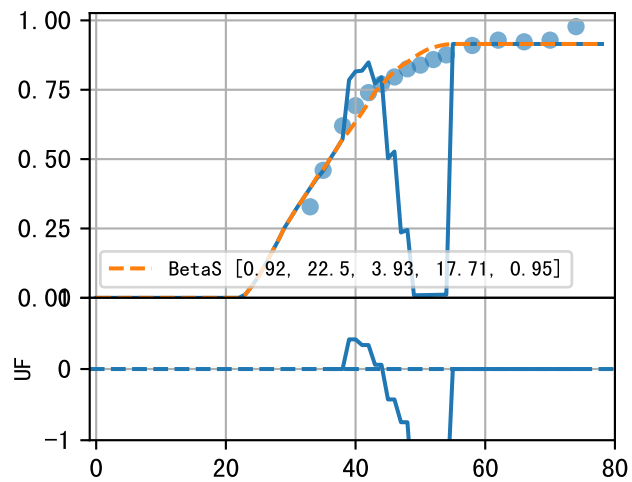


L_{fA}

P10AW-003-11L11 (fit failed)

P10AW-003-11L14 (fit failed)

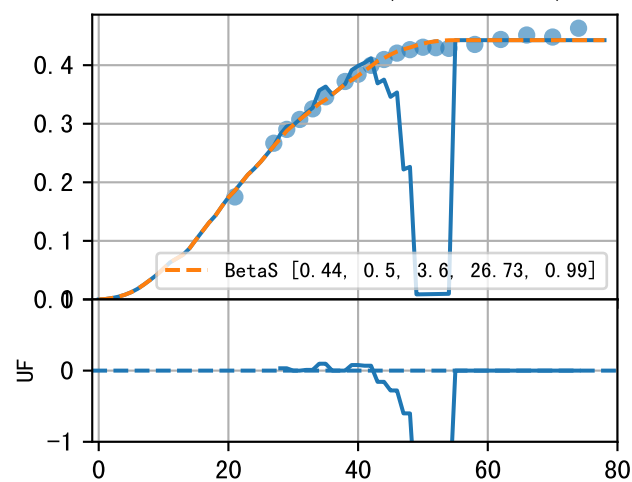
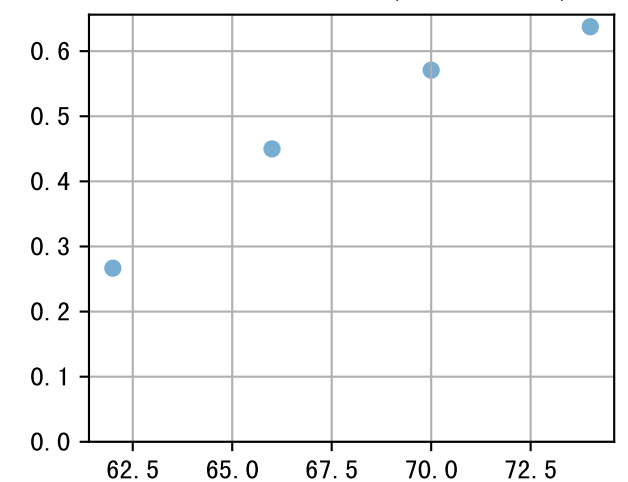
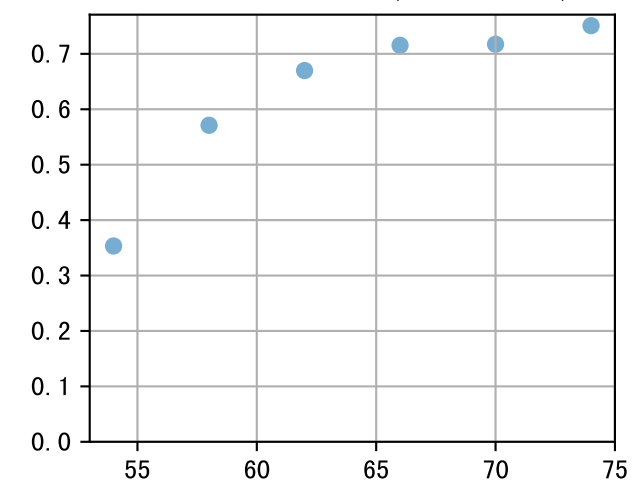
P10AW-003-11L17



P10AW-003-11L20 (fit failed)

P10AW-003-11L23 (fit failed)

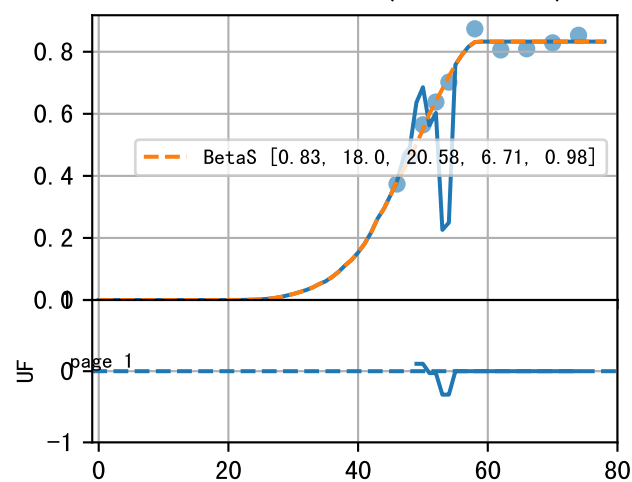
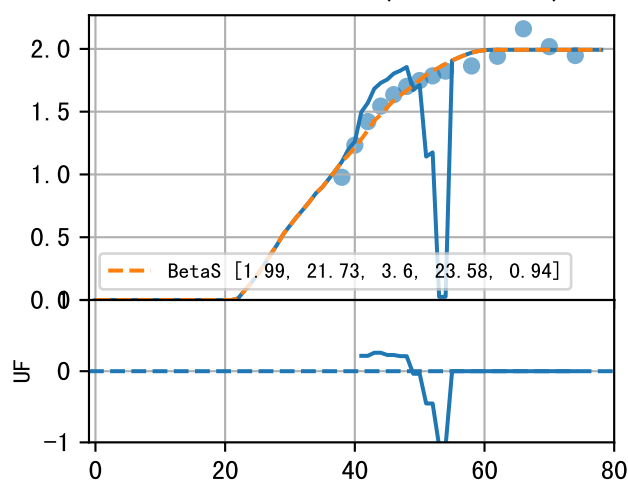
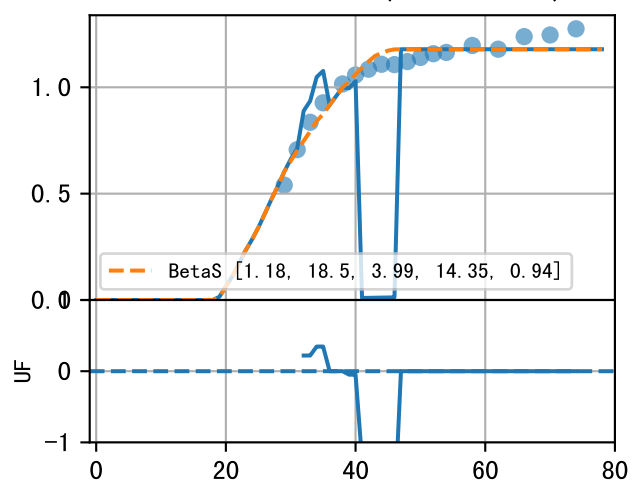
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P10AW-016-3L10 (fit failed)

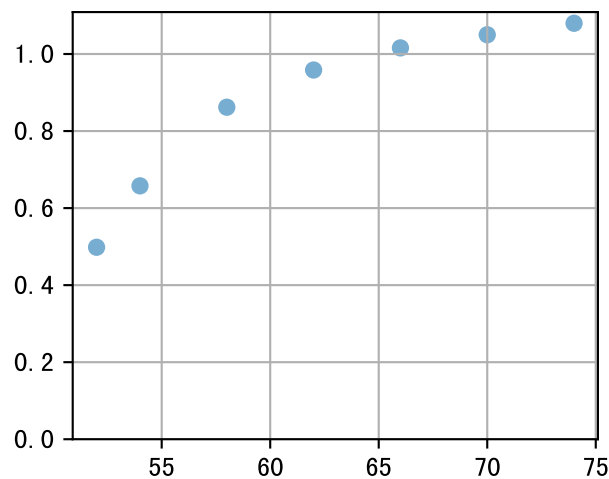
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P10AW-016-3L16 (fit failed)

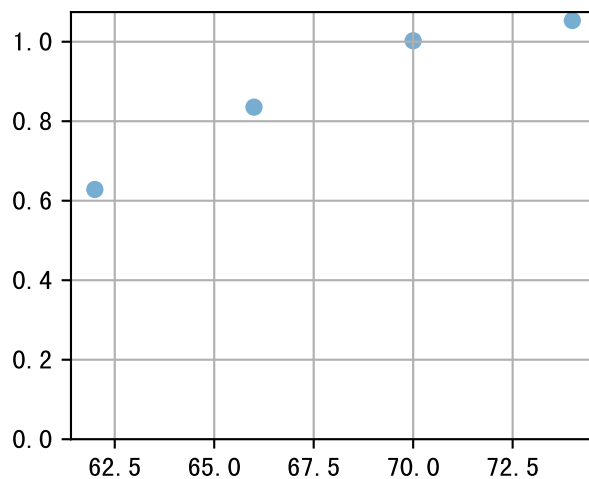


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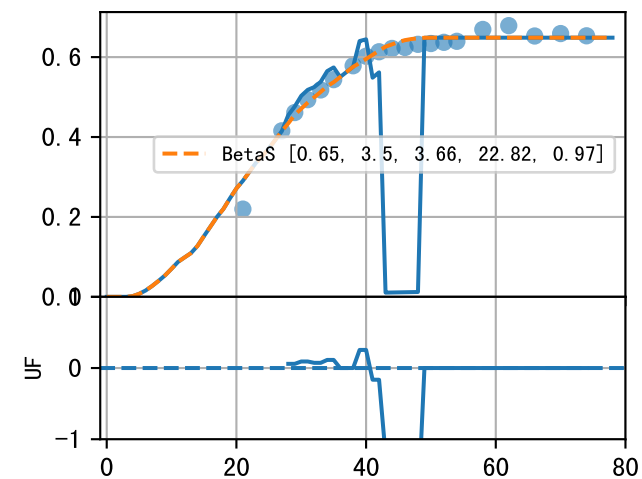
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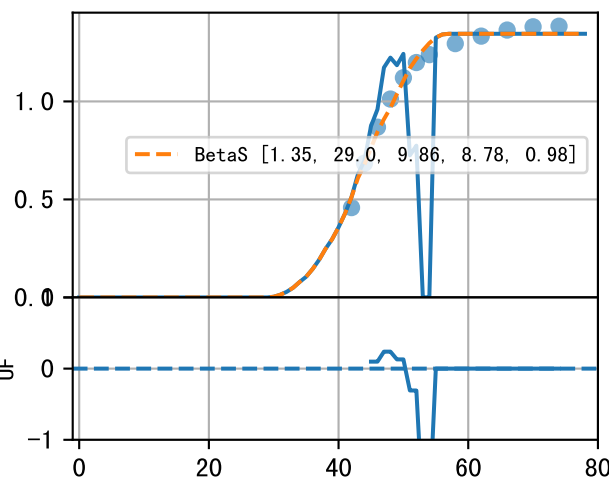
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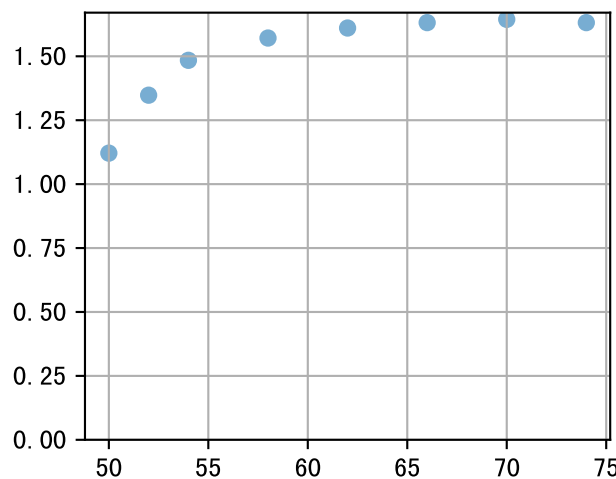
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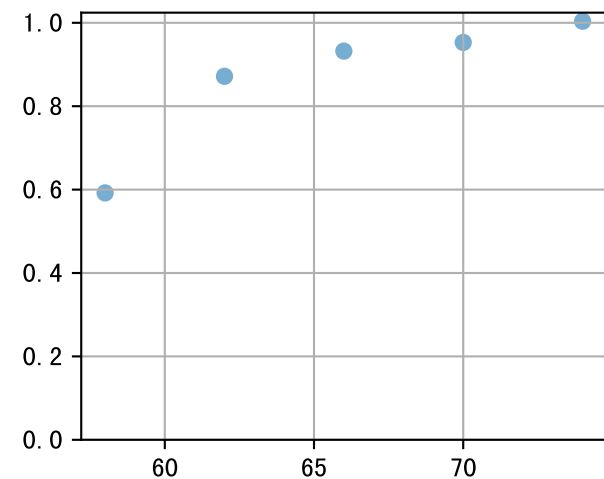
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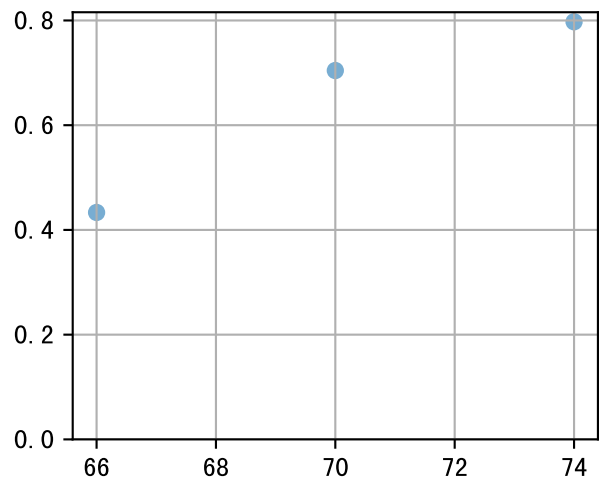
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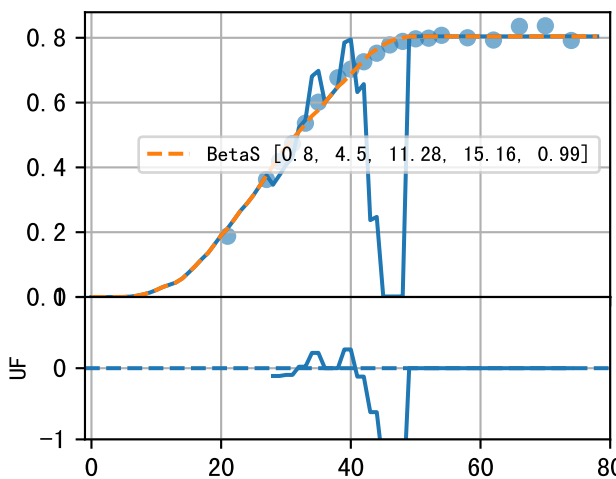
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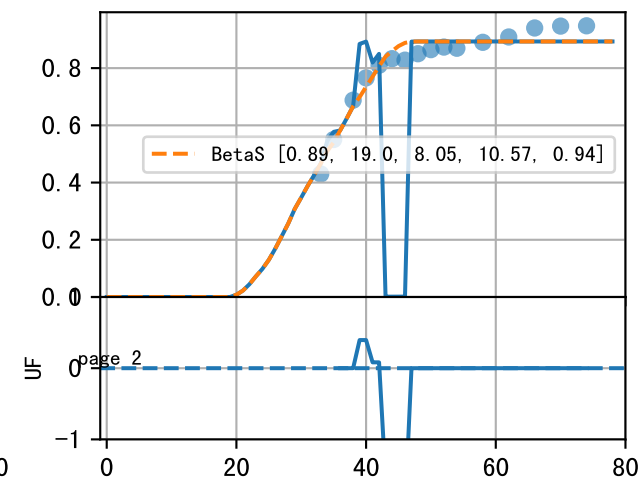
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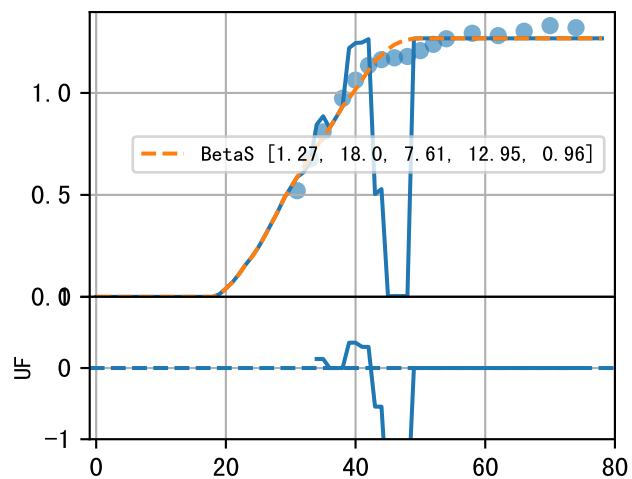
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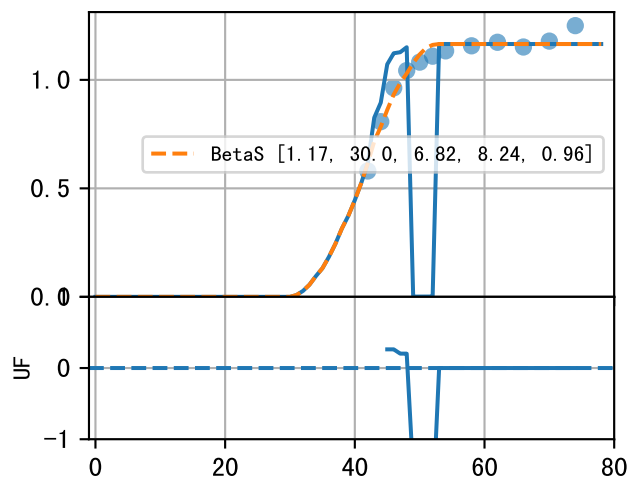
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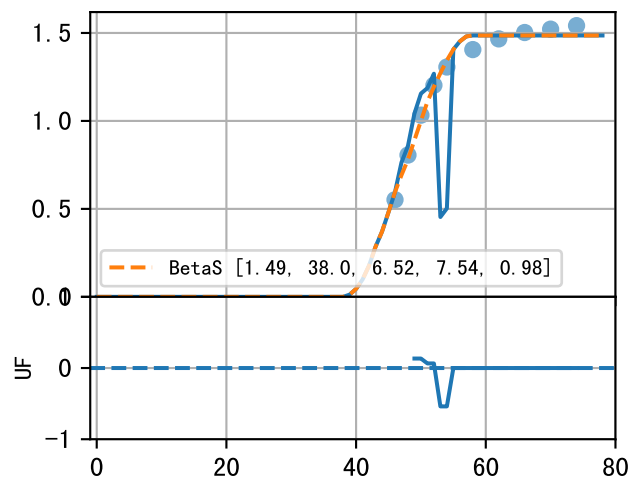
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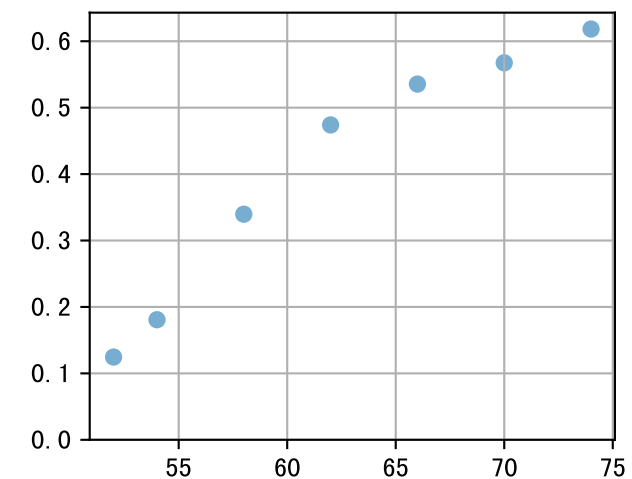
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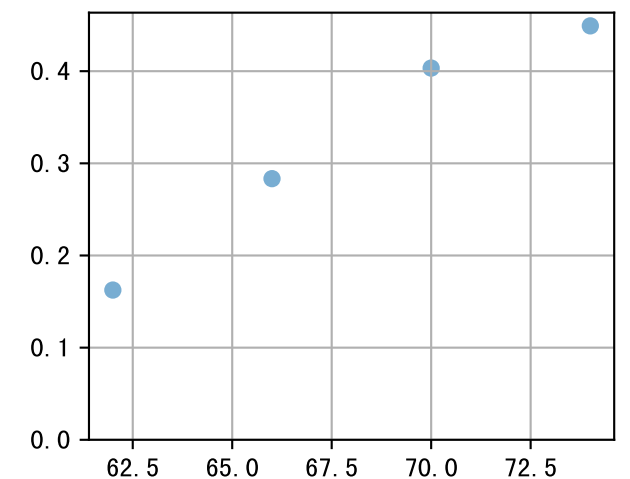
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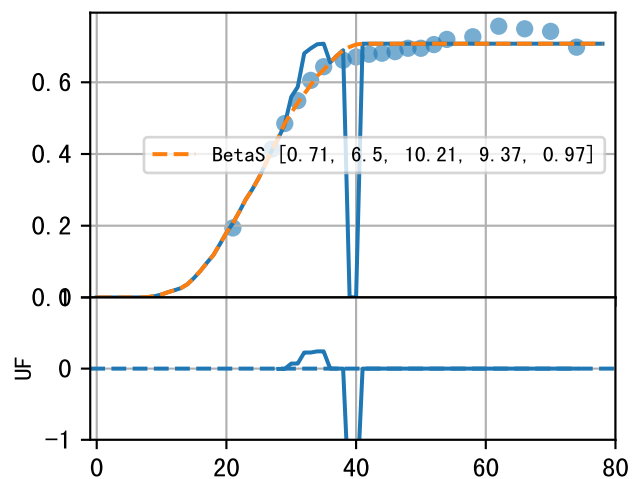
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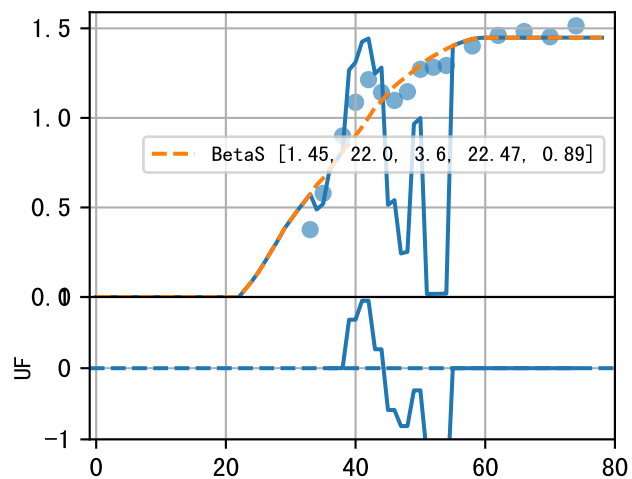
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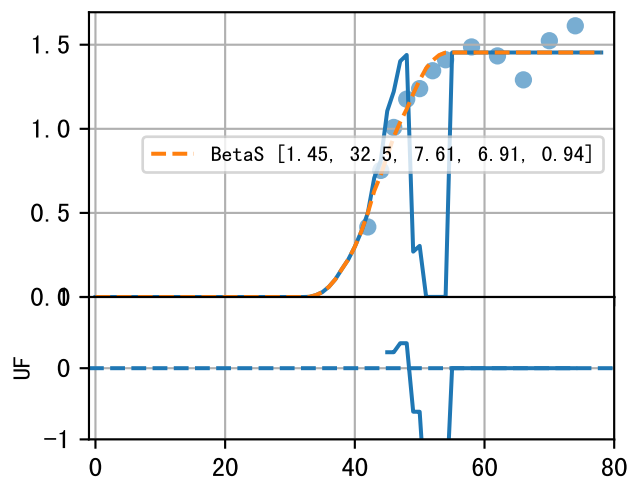
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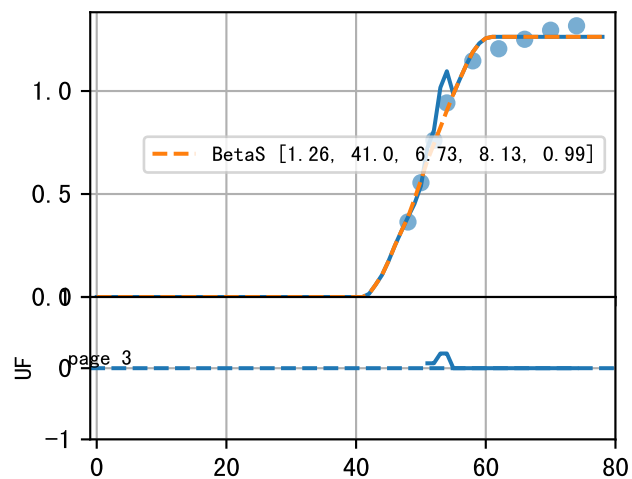
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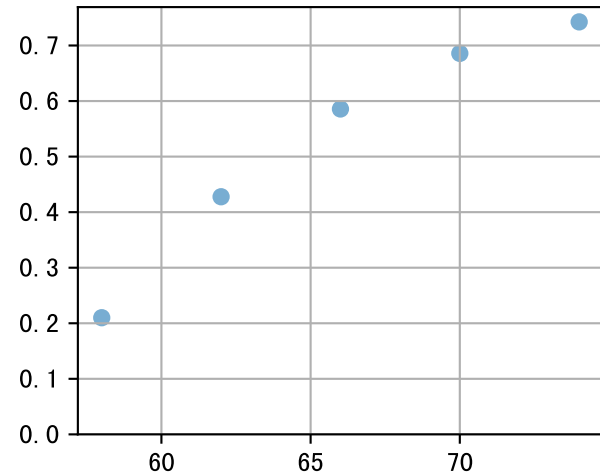
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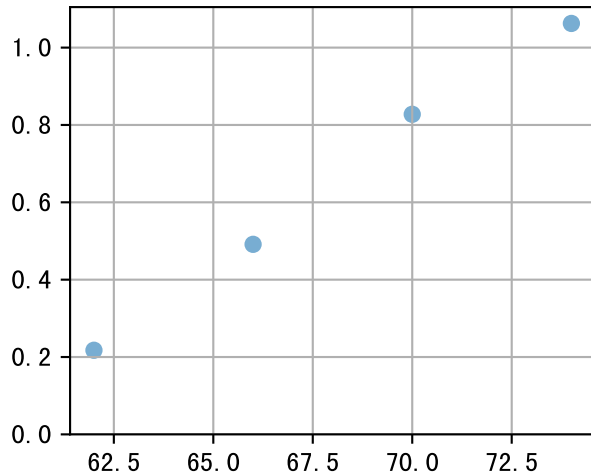
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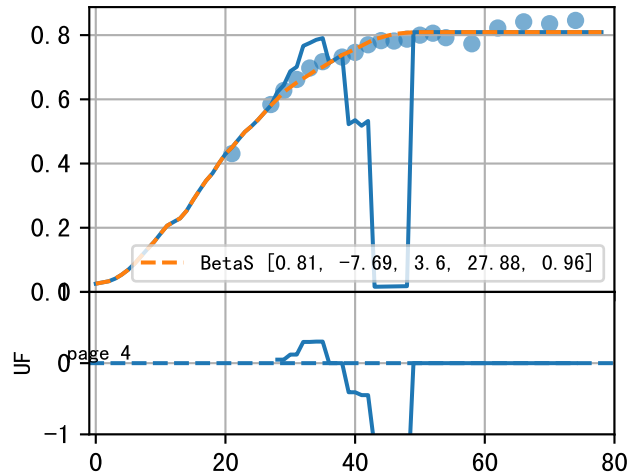
P10AW-054-10L20 (fit failed)

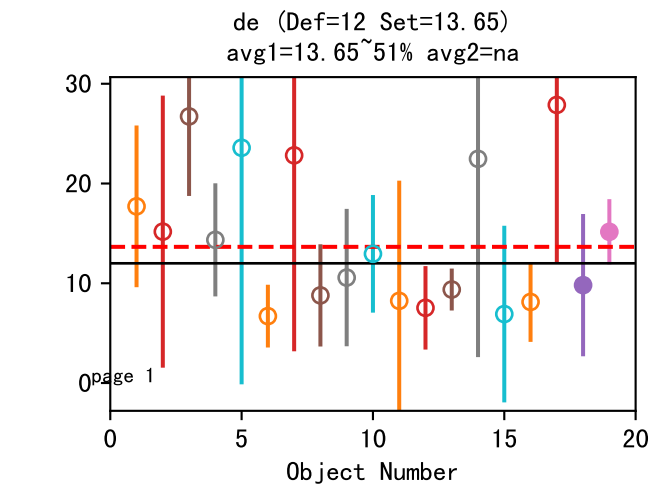
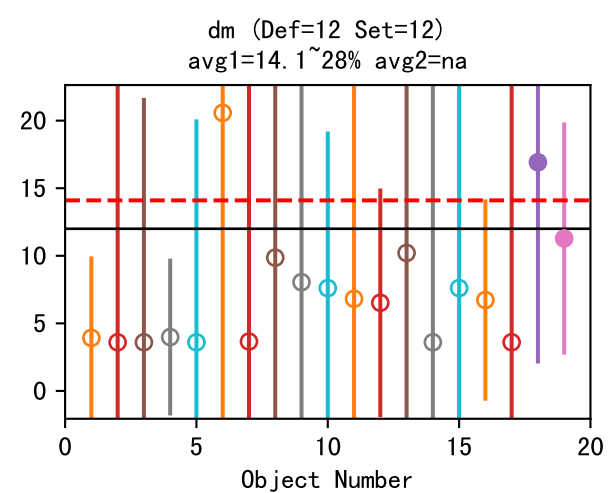
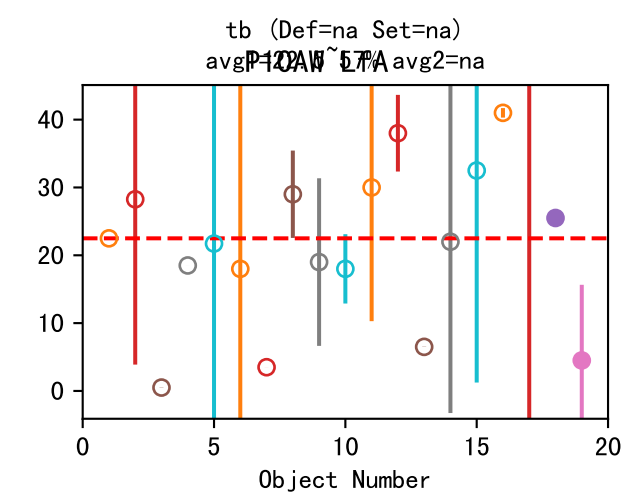
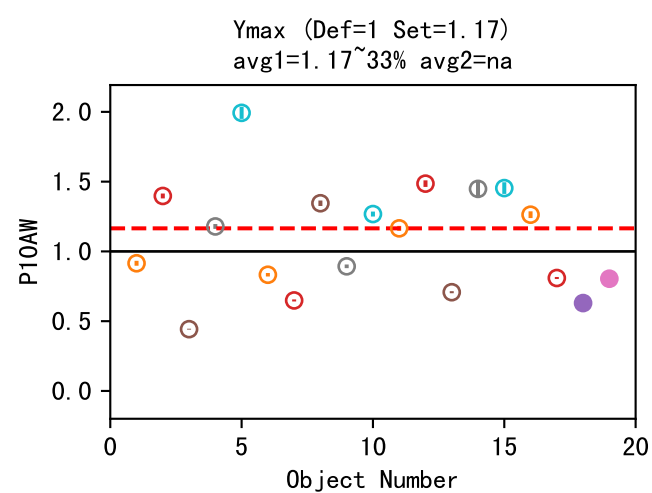


P10AW-054-10L23 (fit failed)

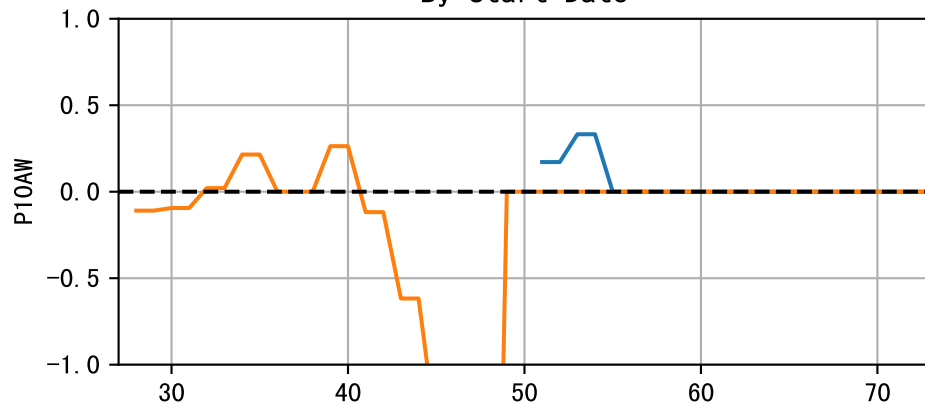


P10AW-054-10L6 (fit failed)

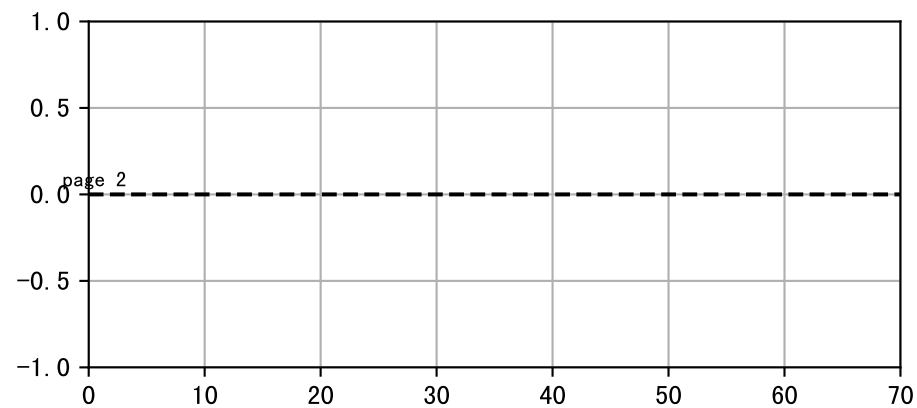
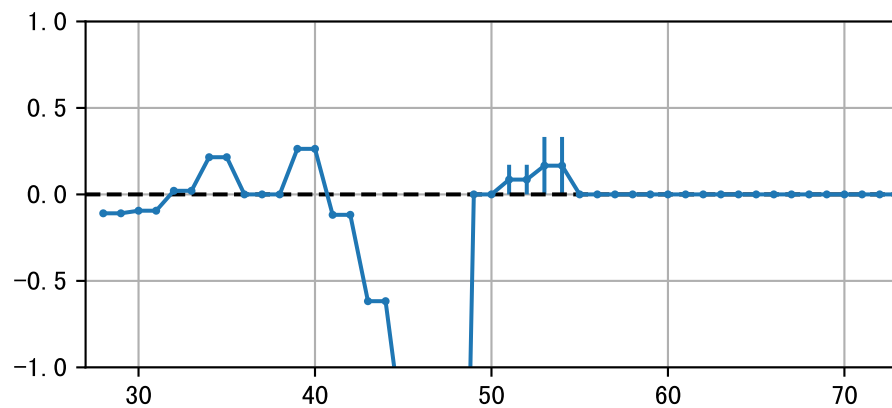
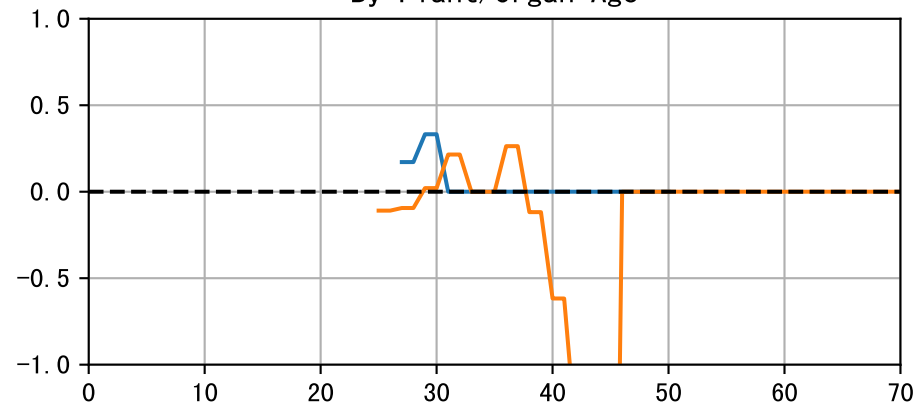


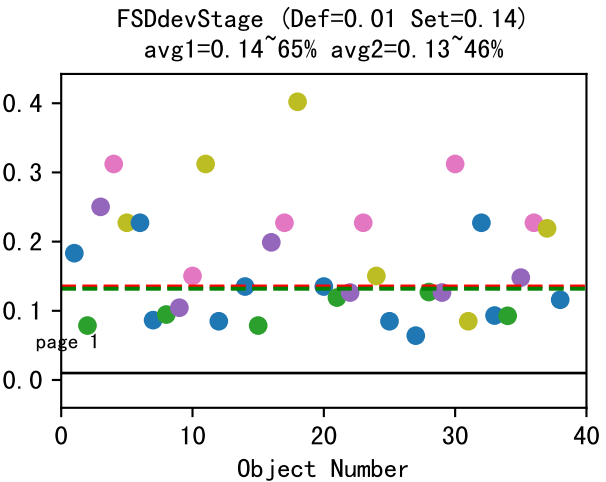
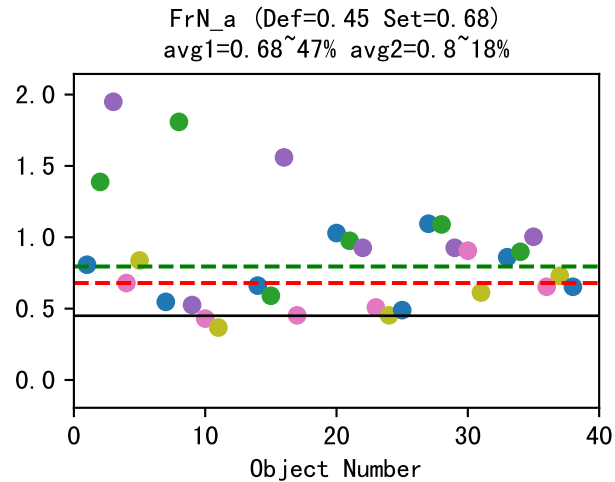
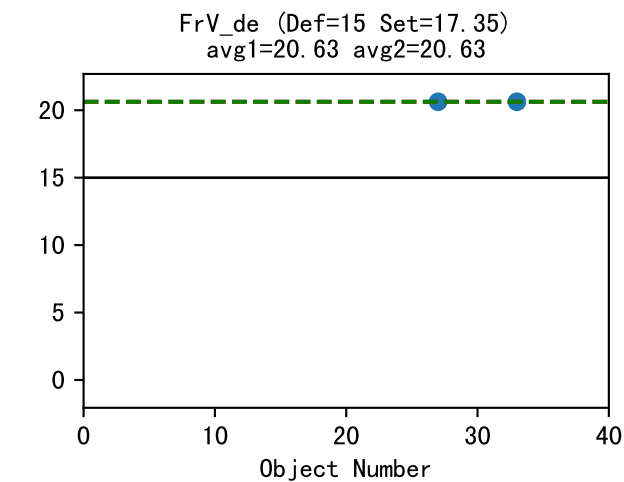
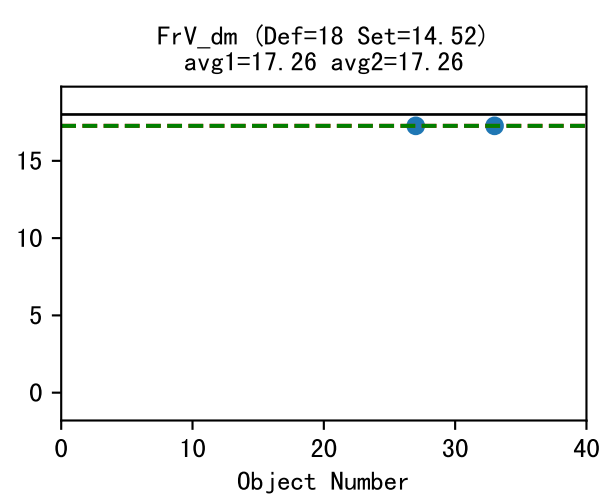
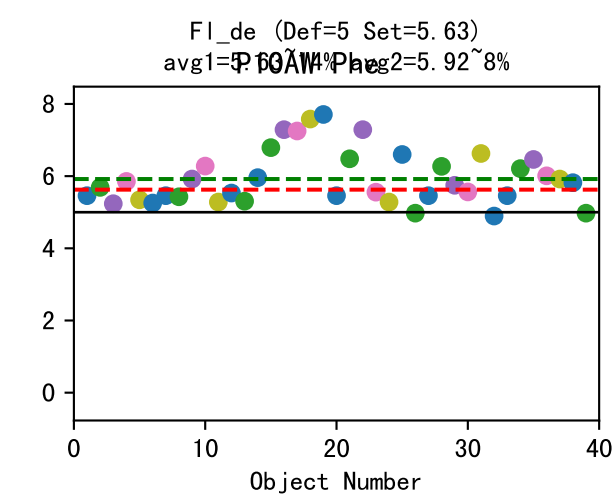
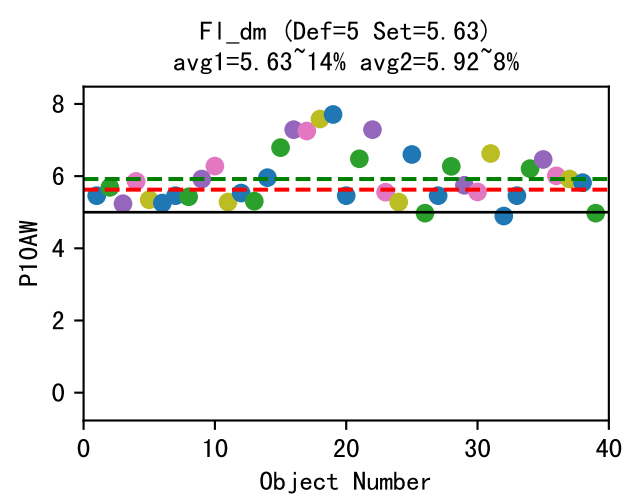


By Start Date

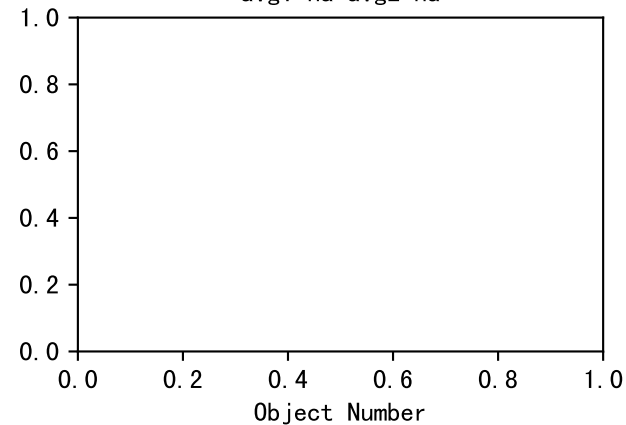


By Plant/Organ Age

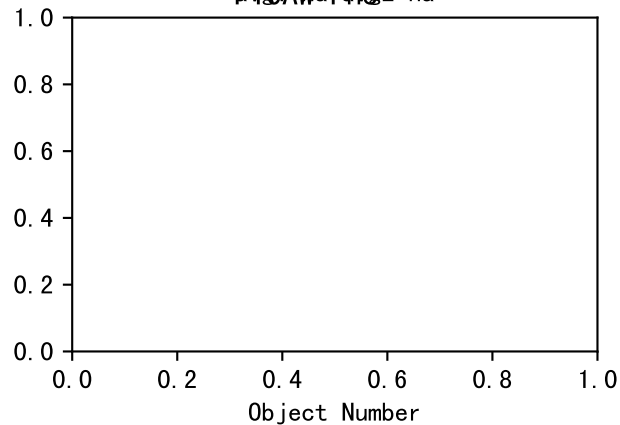




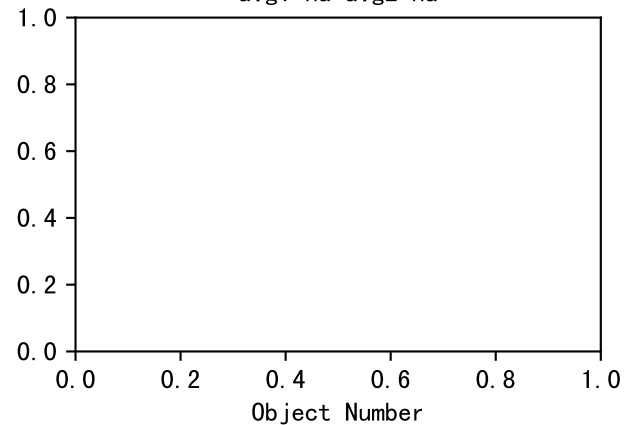
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



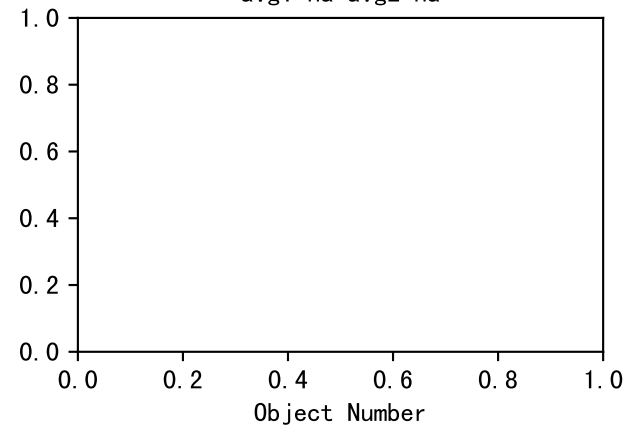
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



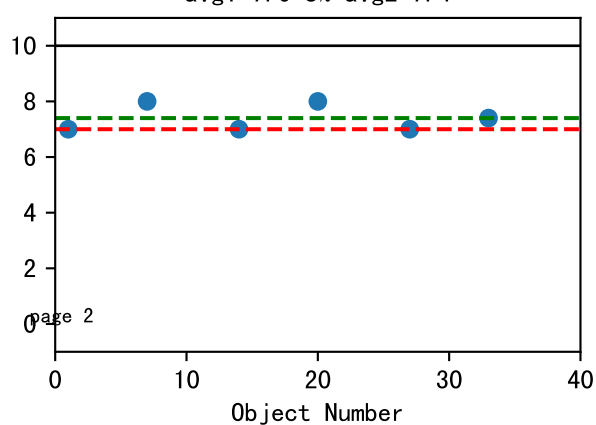
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

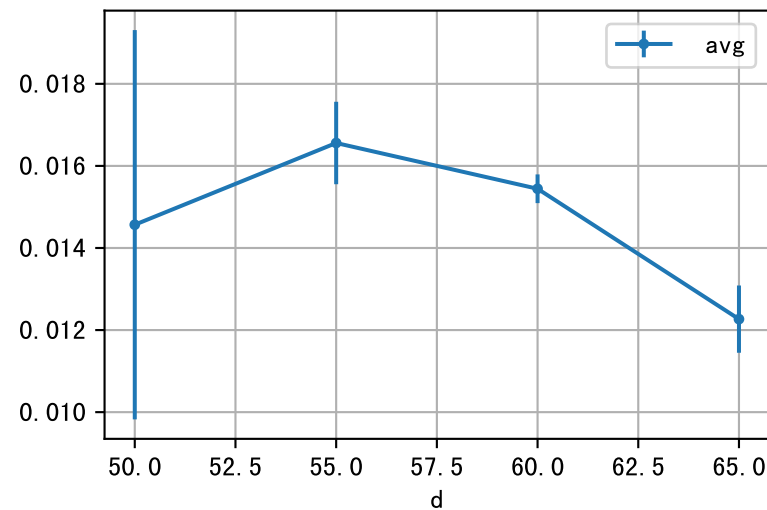


NNgen (Def=10 Set=7)
avg1=7.0~8% avg2=7.4

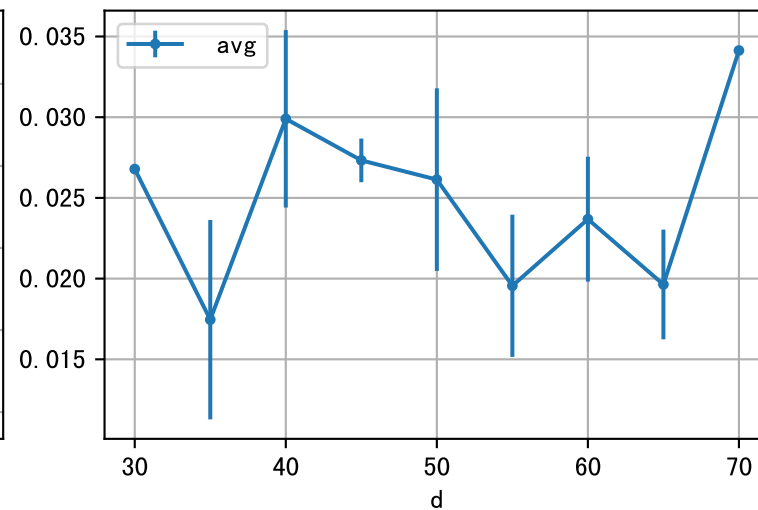


LfA: avg vs. d at each age group

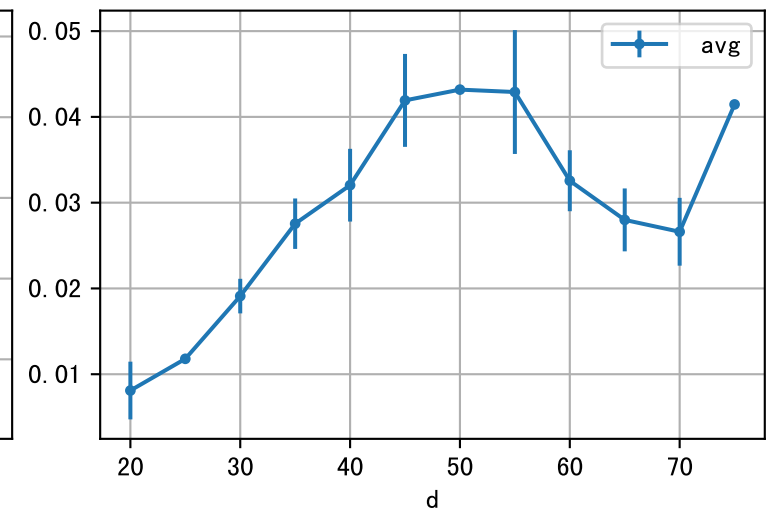
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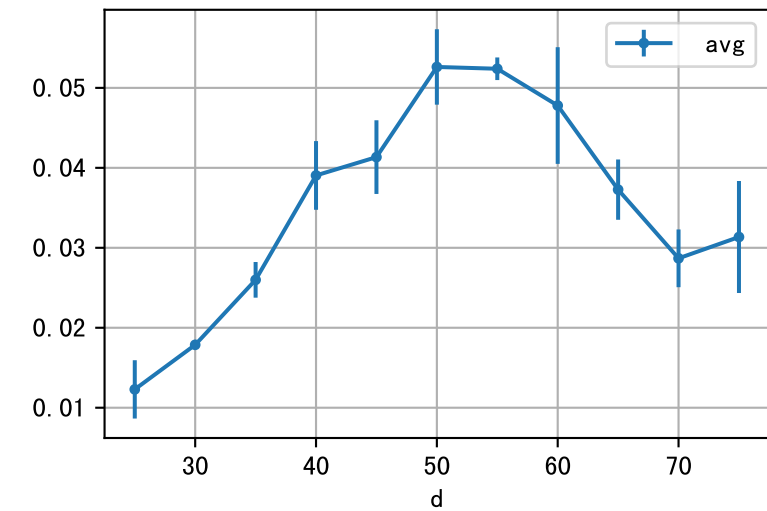
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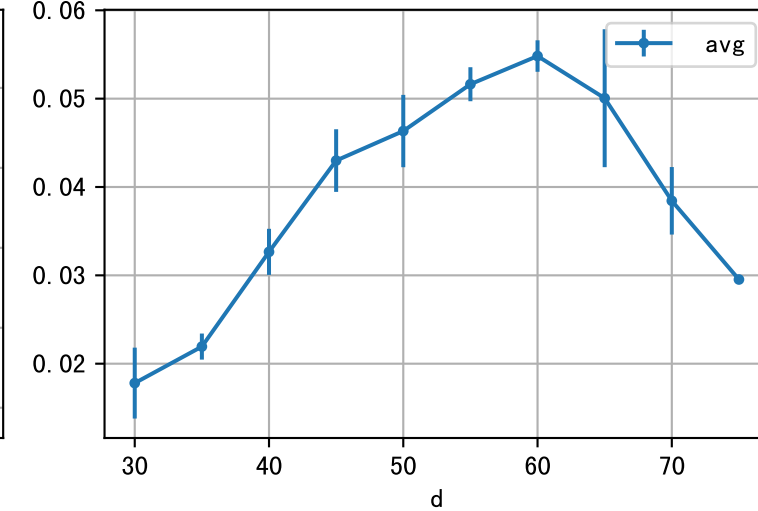
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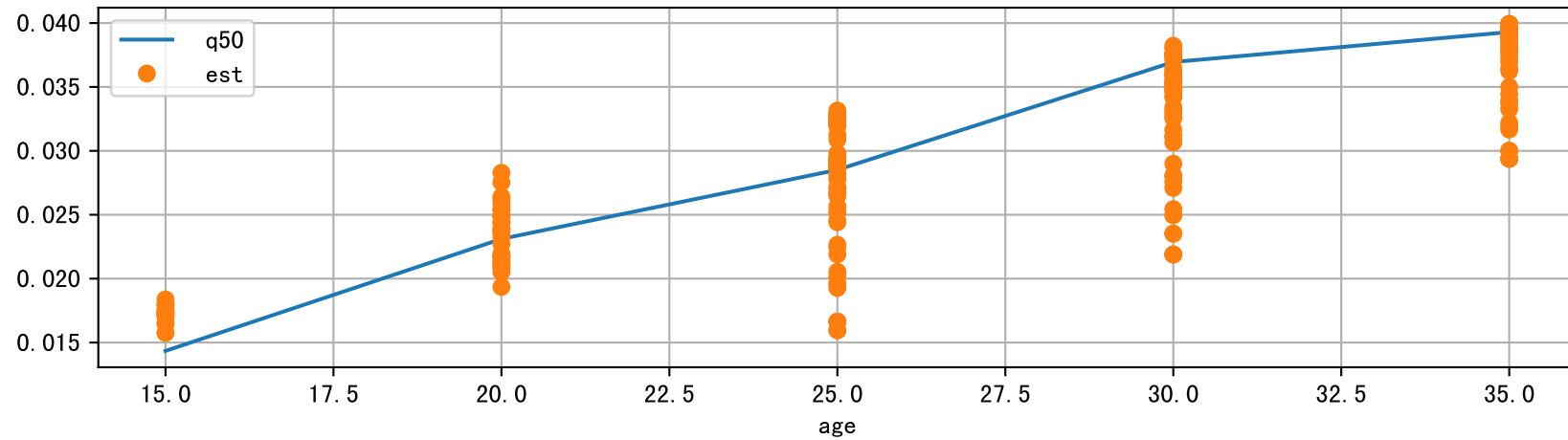


age=30



age=35



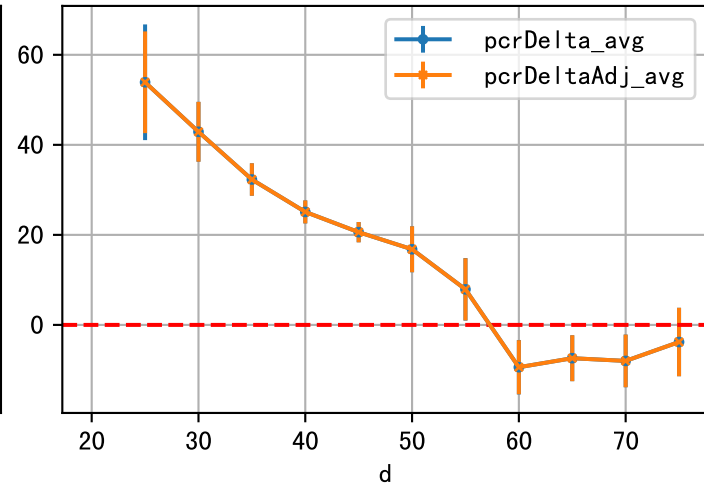
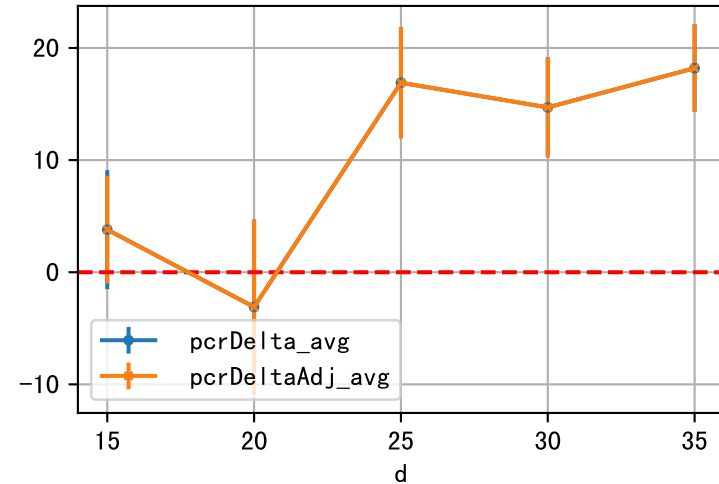


P10AW LfA: D_5d_LfA

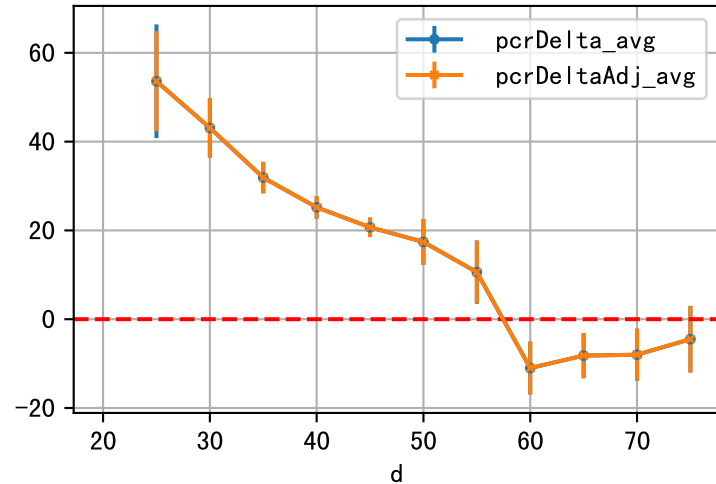
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DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

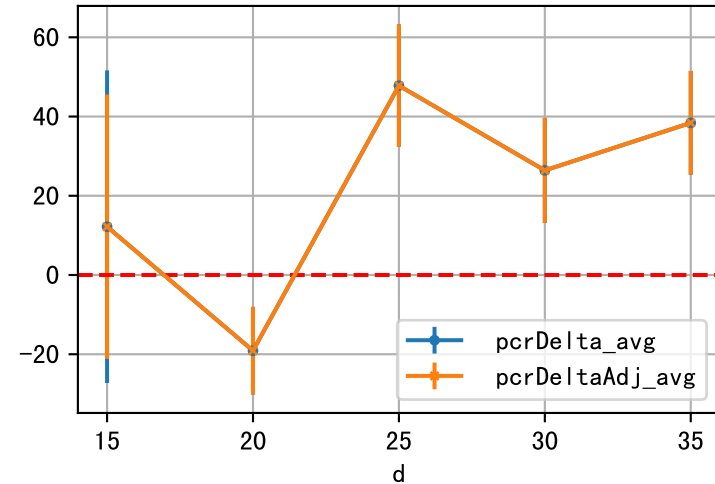


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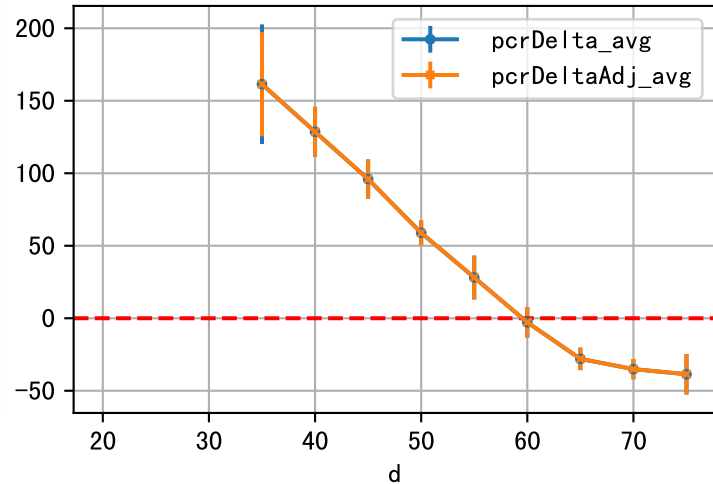


P10AW LfA: D_15d_LfA

DeltaTypeAbbr=GrpByAge

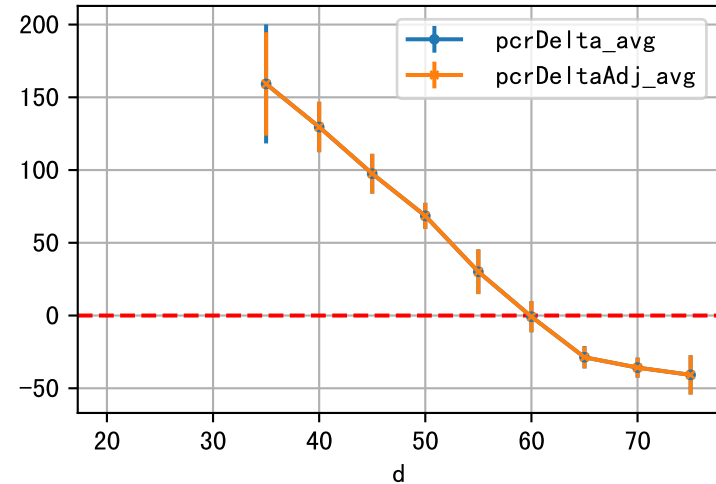


DeltaTypeAbbr=GrpByDay

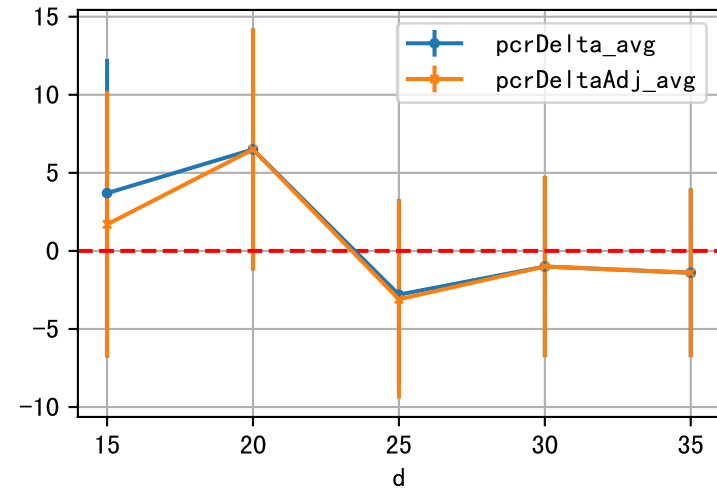


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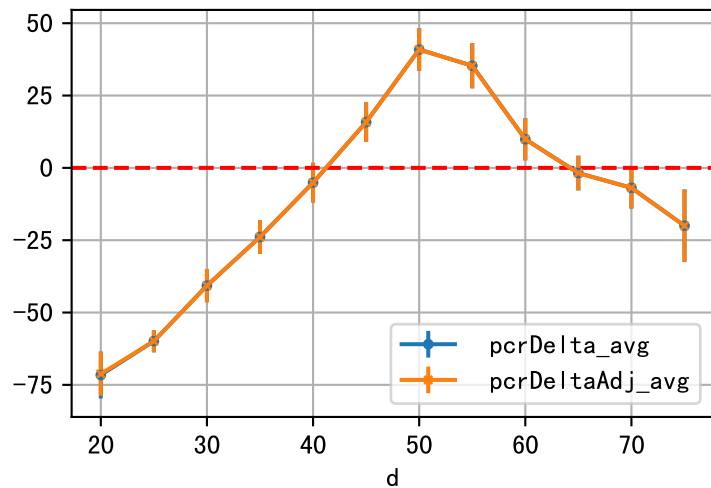
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DeltaTypeAbbr=GrpByAge

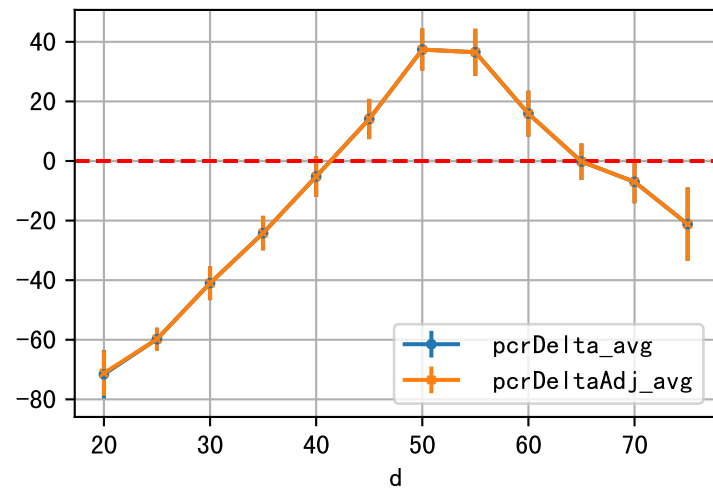


DeltaTypeAbbr=GrpByDay



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DeltaTypeAbbr=Wei AvgByD

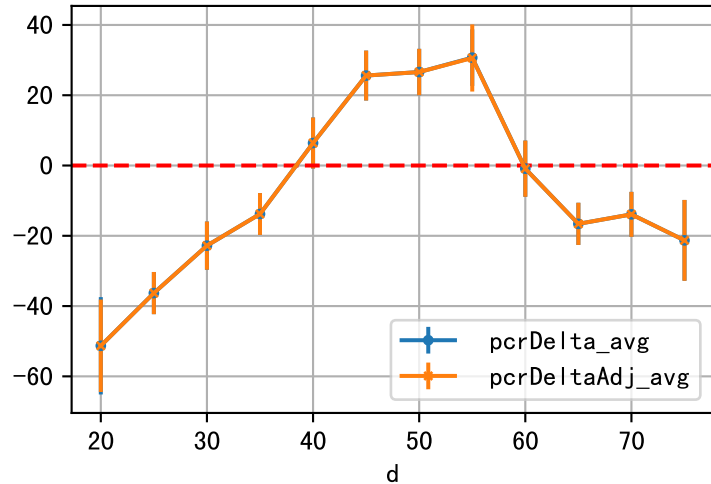
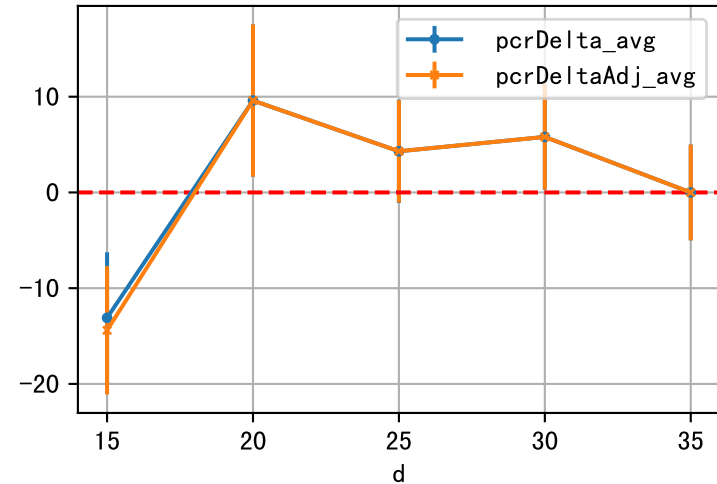


P10AW LfA: D_Est_LfA

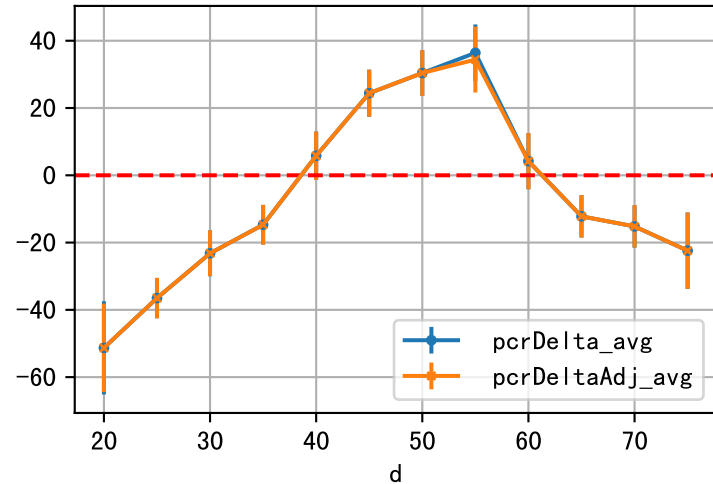
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DeltaTypeAbbr=GrpByDay

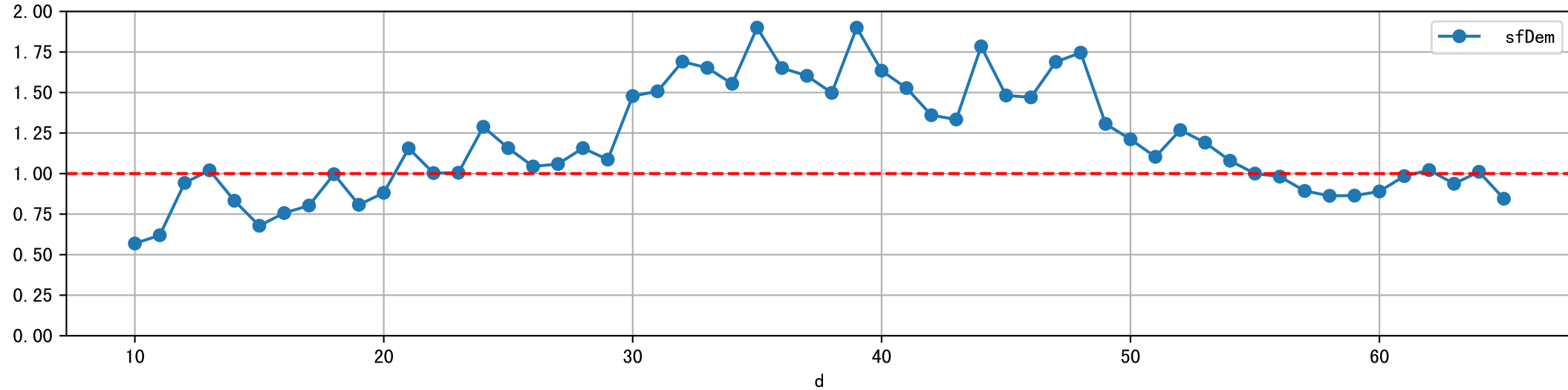
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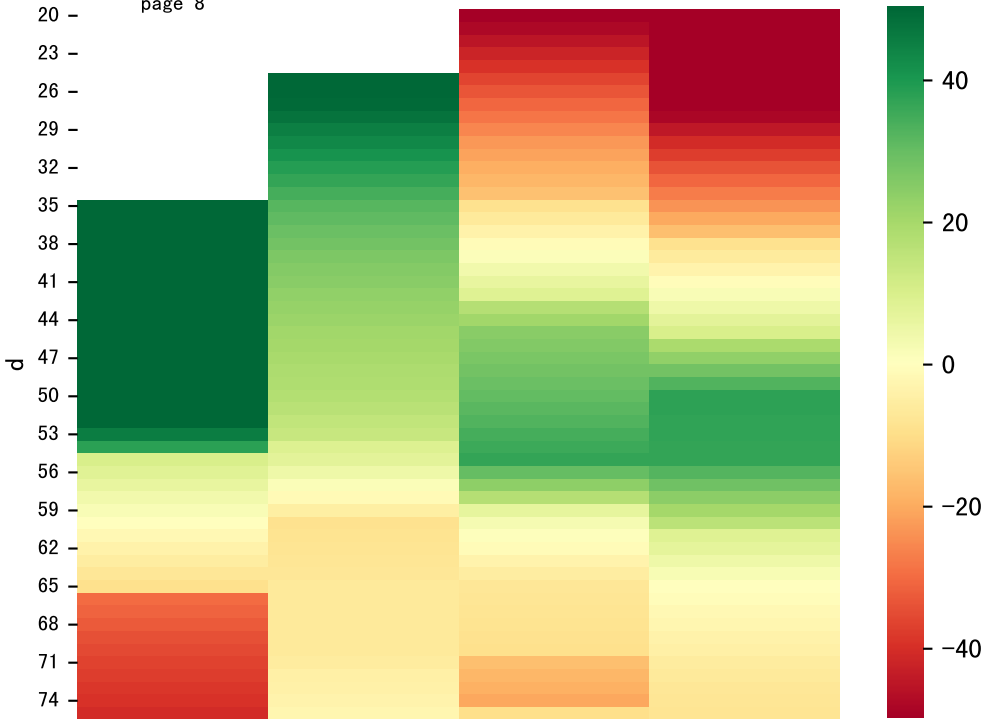


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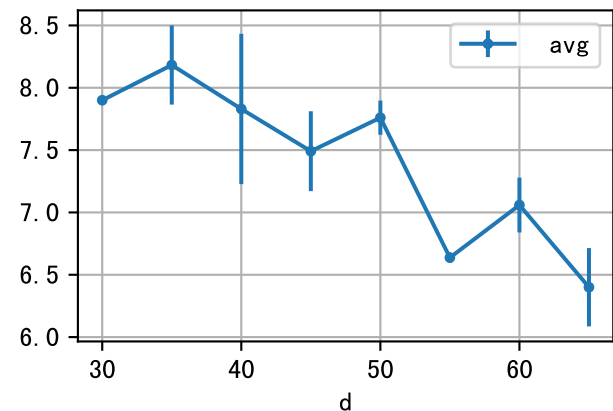
LfA: sfDem



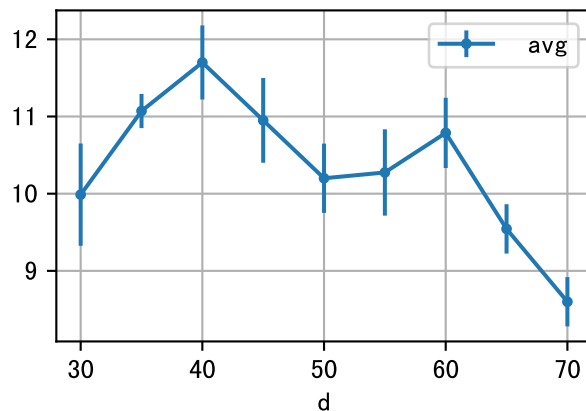


NdD: avg vs. d at each age group

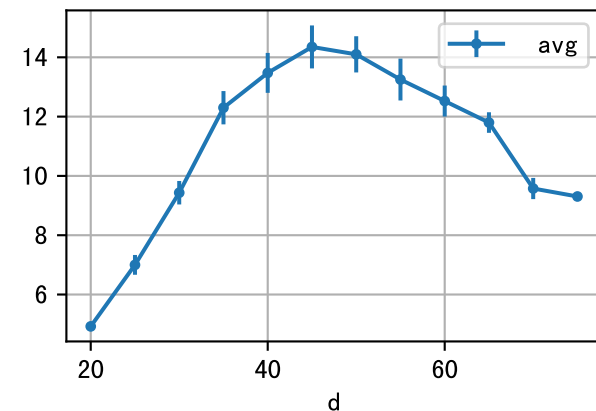
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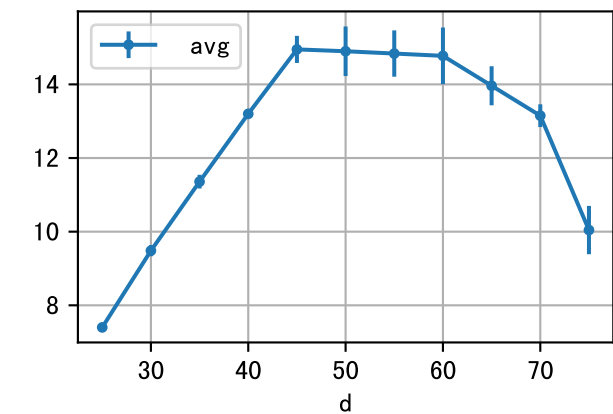
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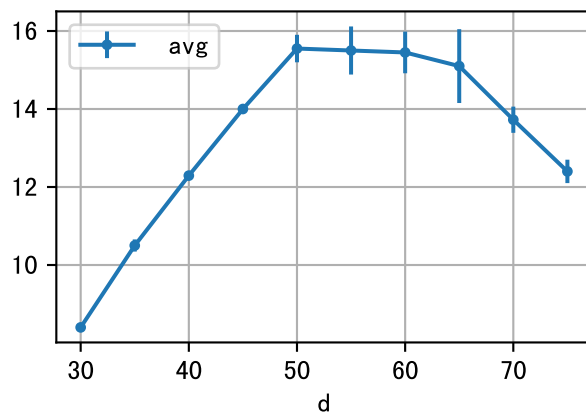
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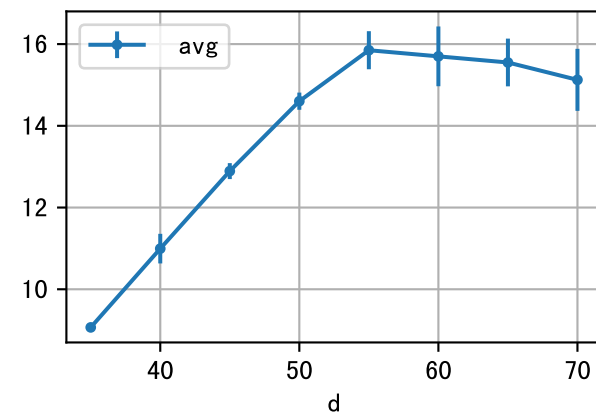
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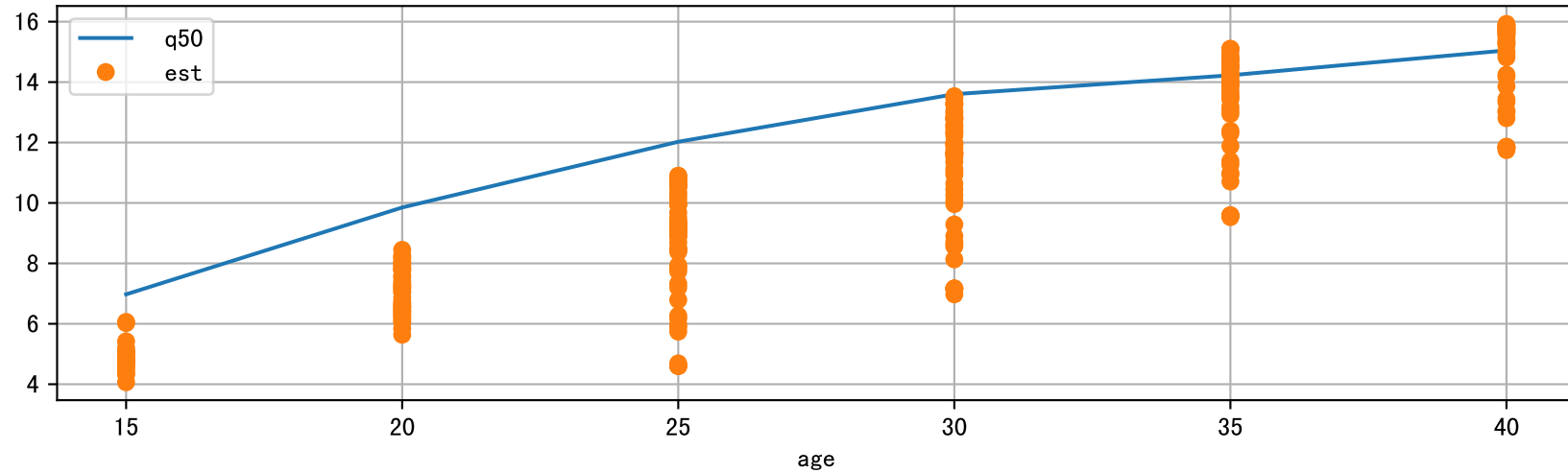
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age=40



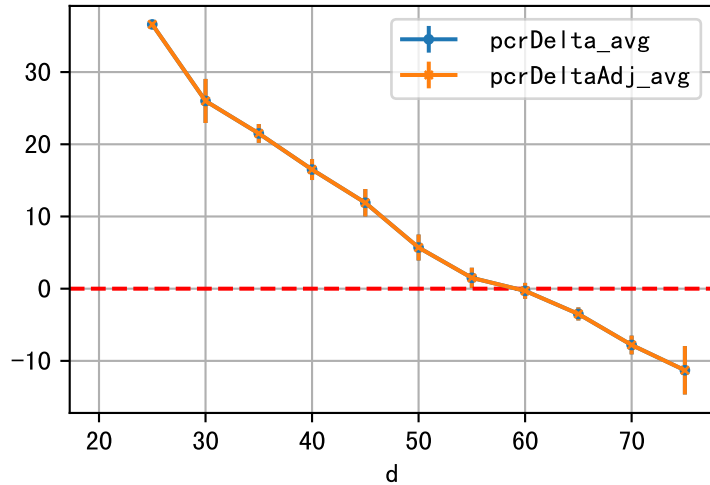
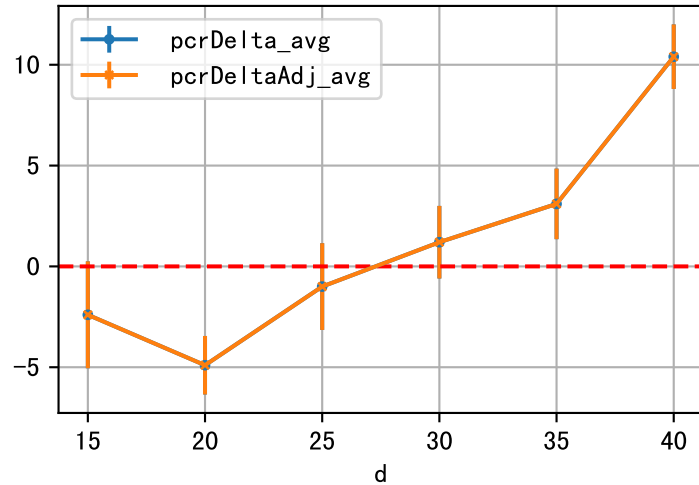
NdD: model est vs obs0v@Q50



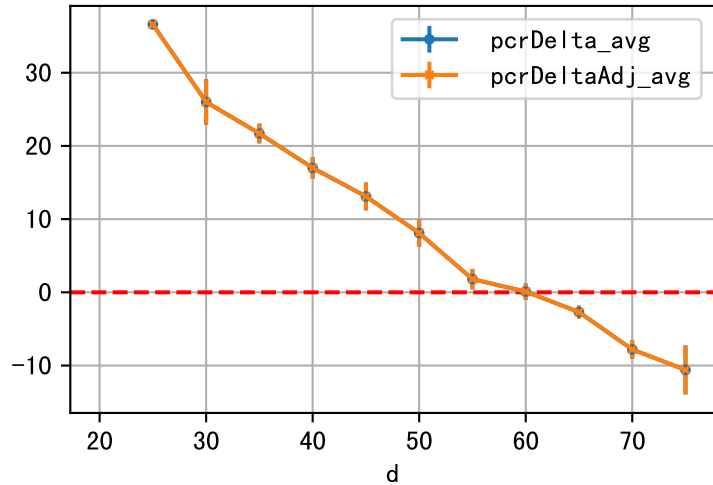
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

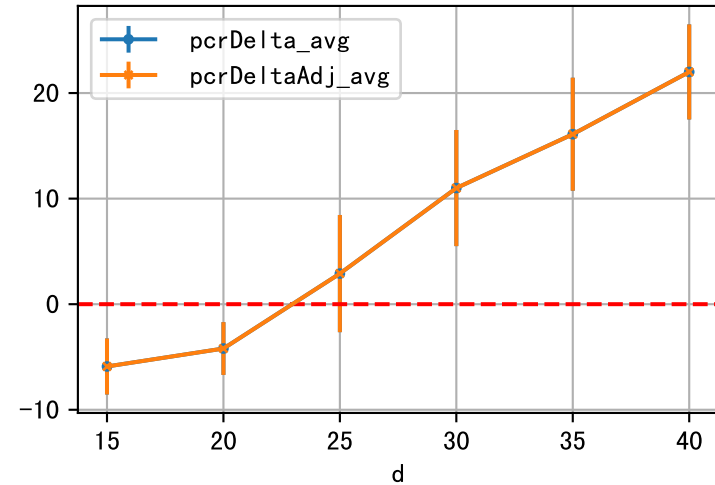
DeltaTypeAbbr=Wei AvgByD



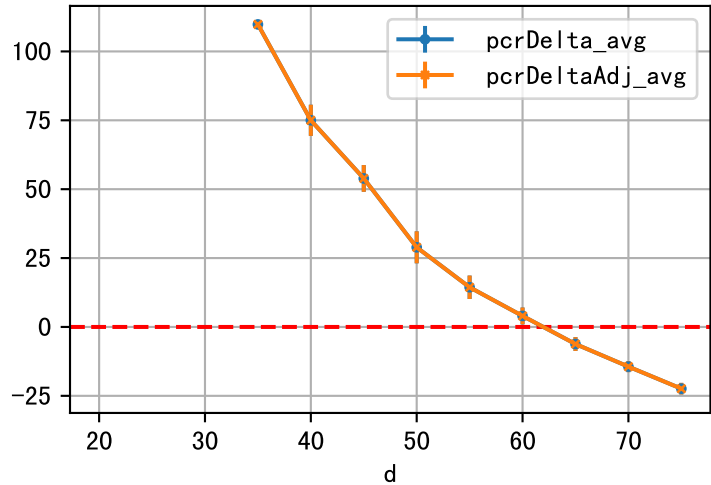
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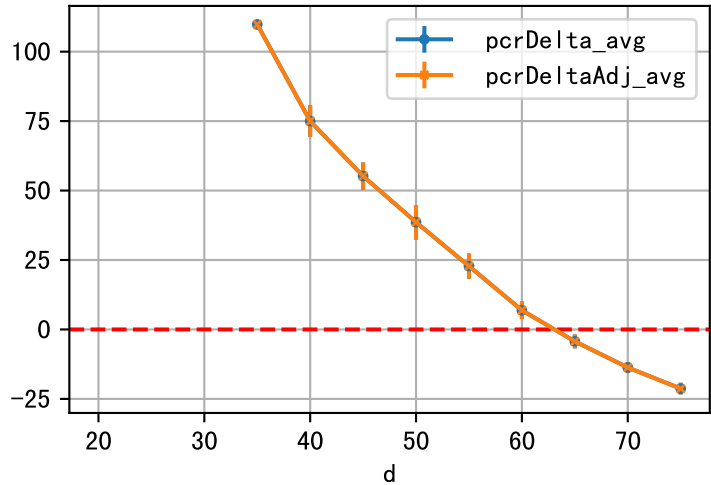
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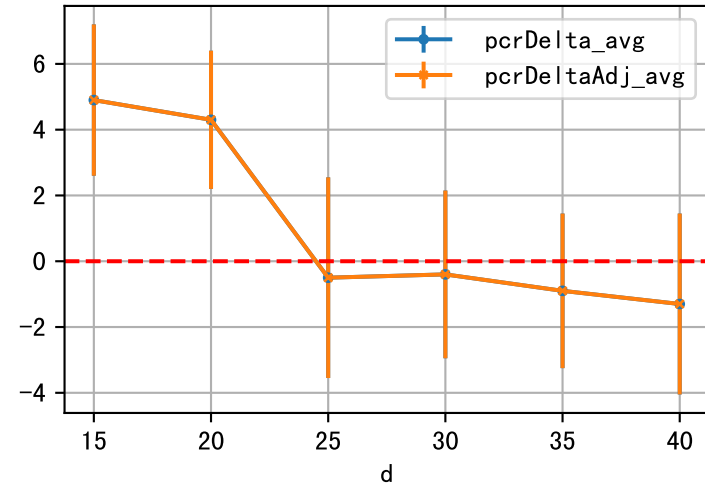
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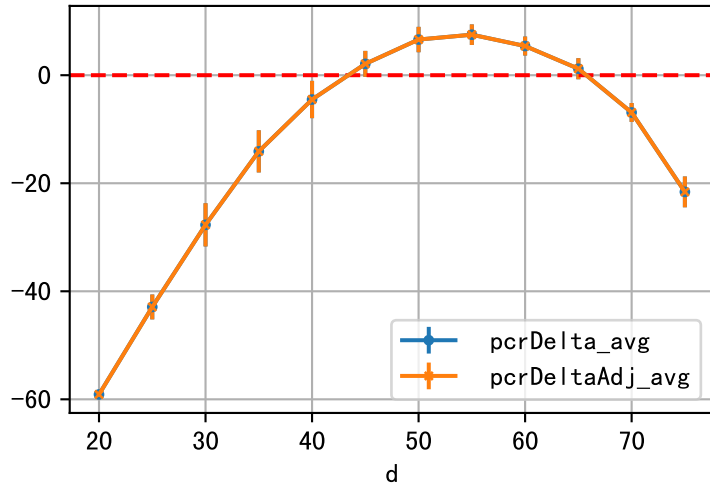
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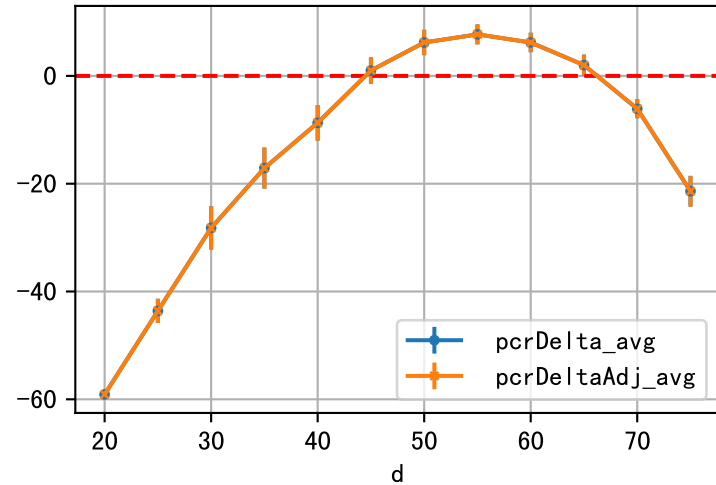
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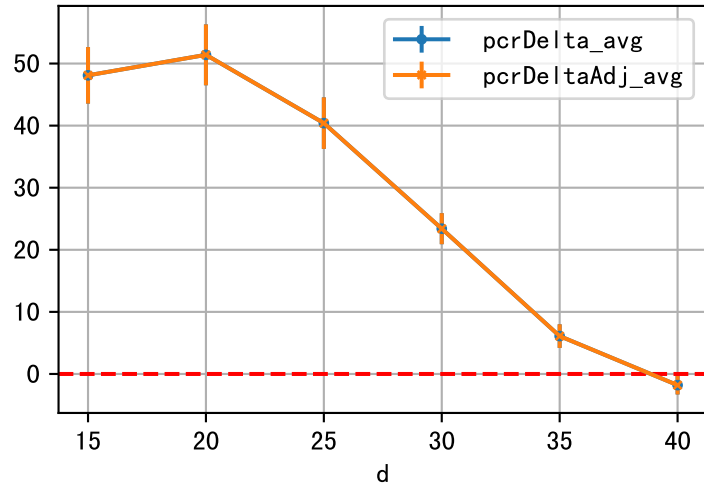
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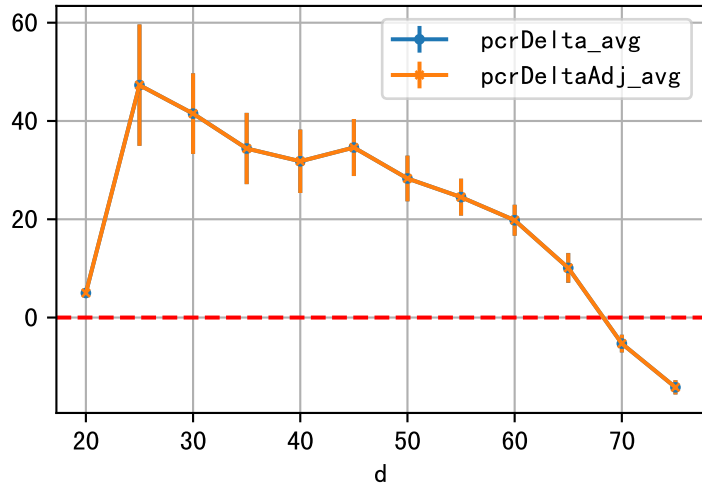
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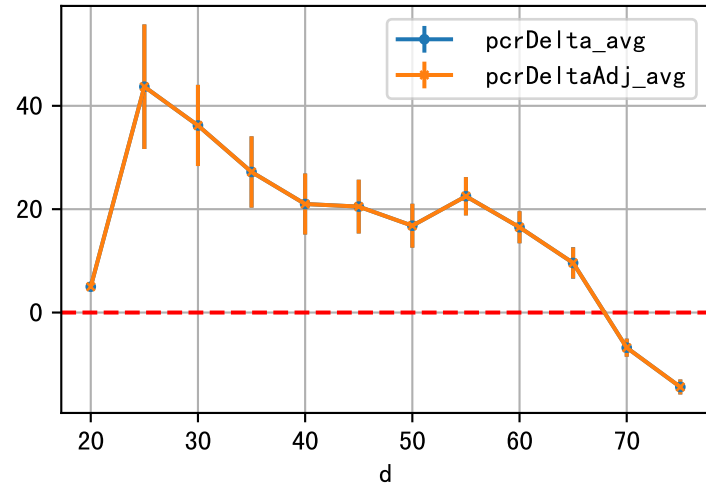
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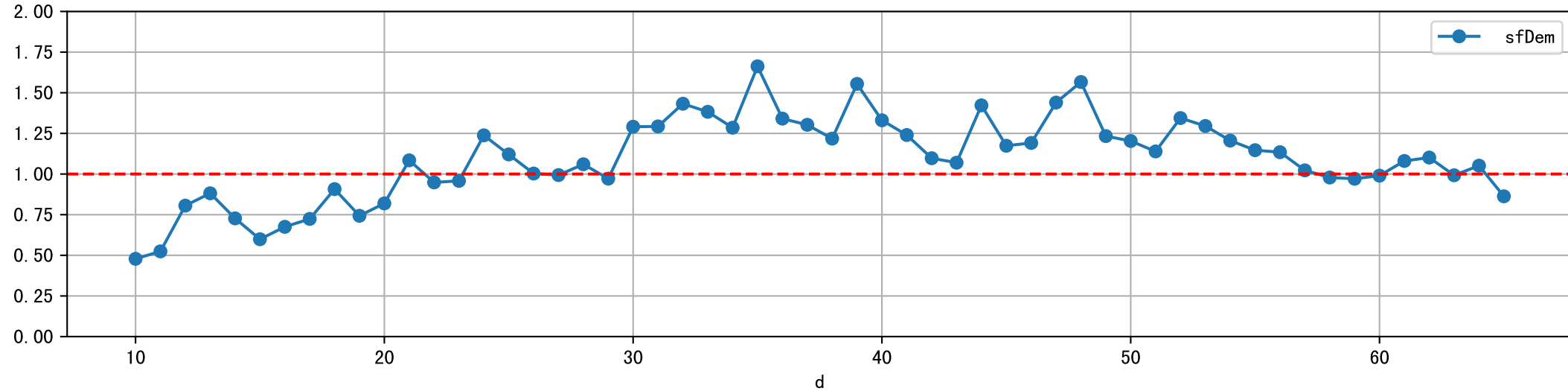
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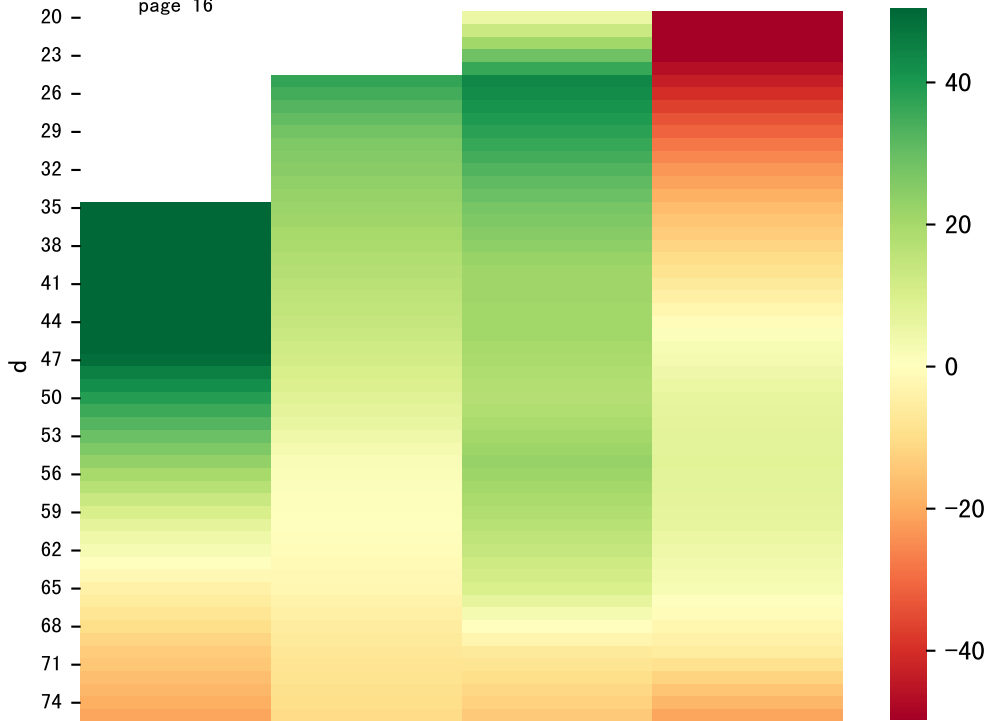


DeltaTypeAbbr=Wei AvgByD

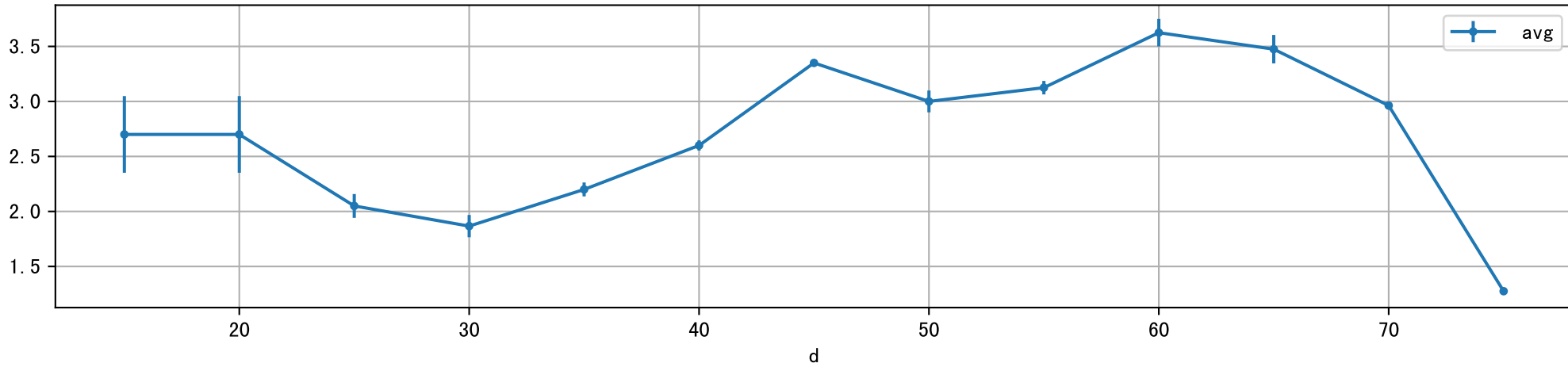


NdD: sfDem

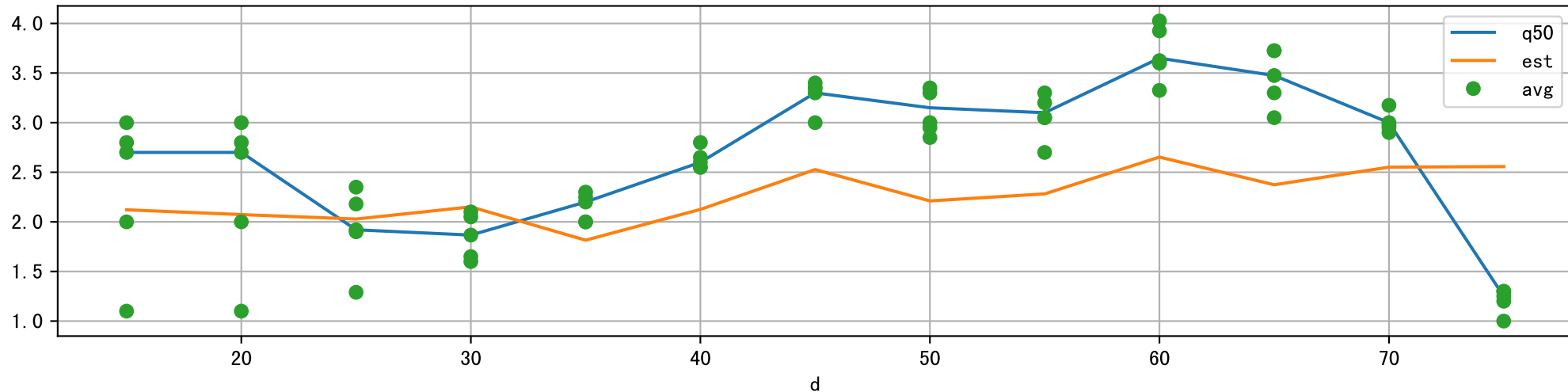


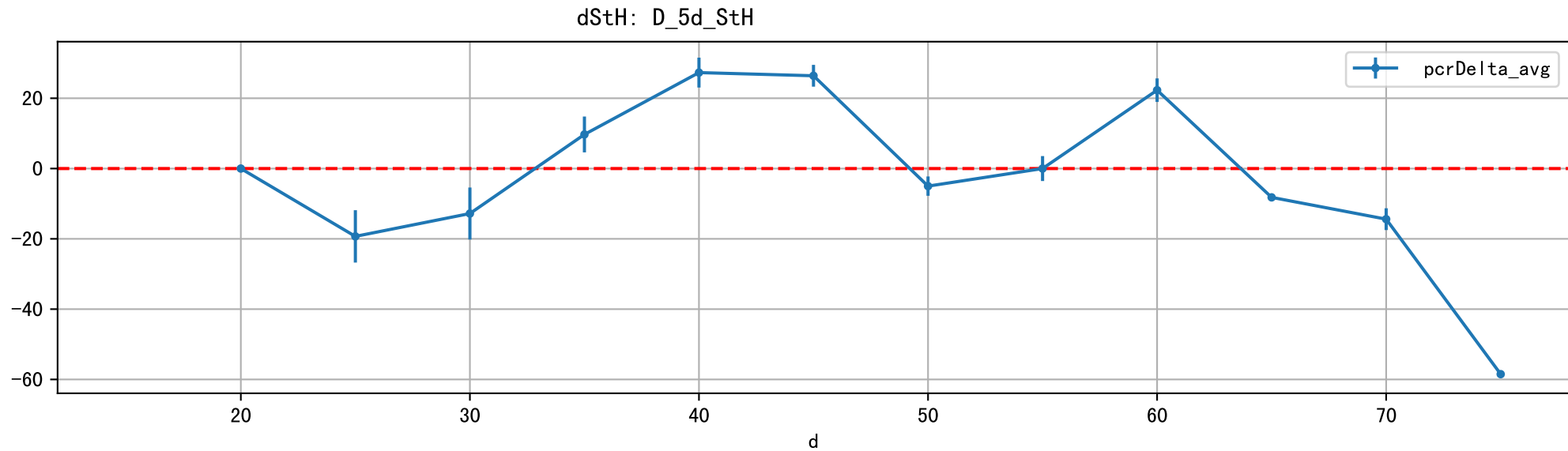


dStH: avg vs. d

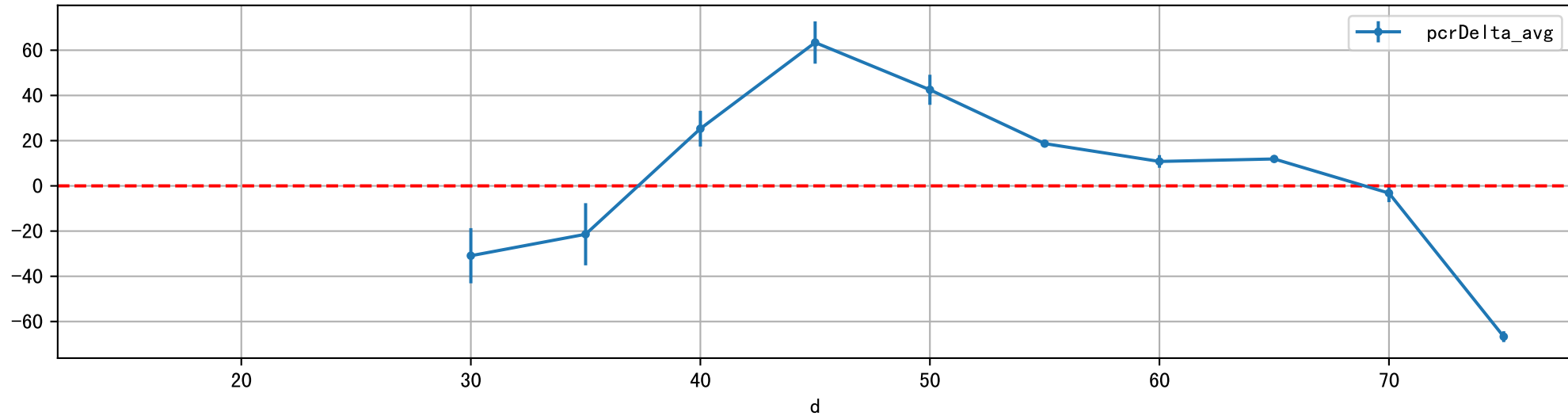


dStH: obsAvg vs obs0v@Q50

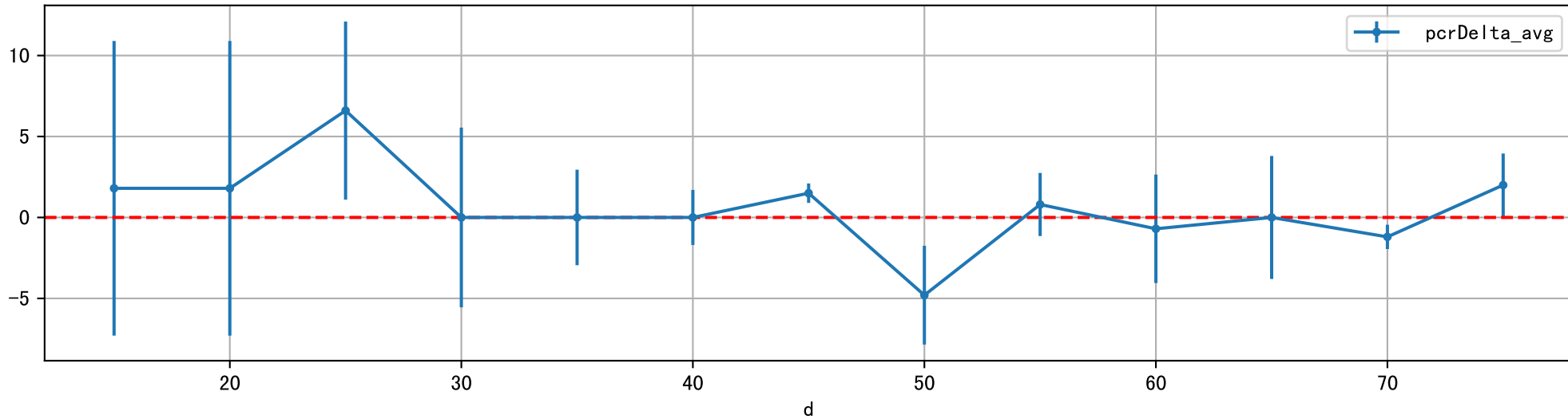




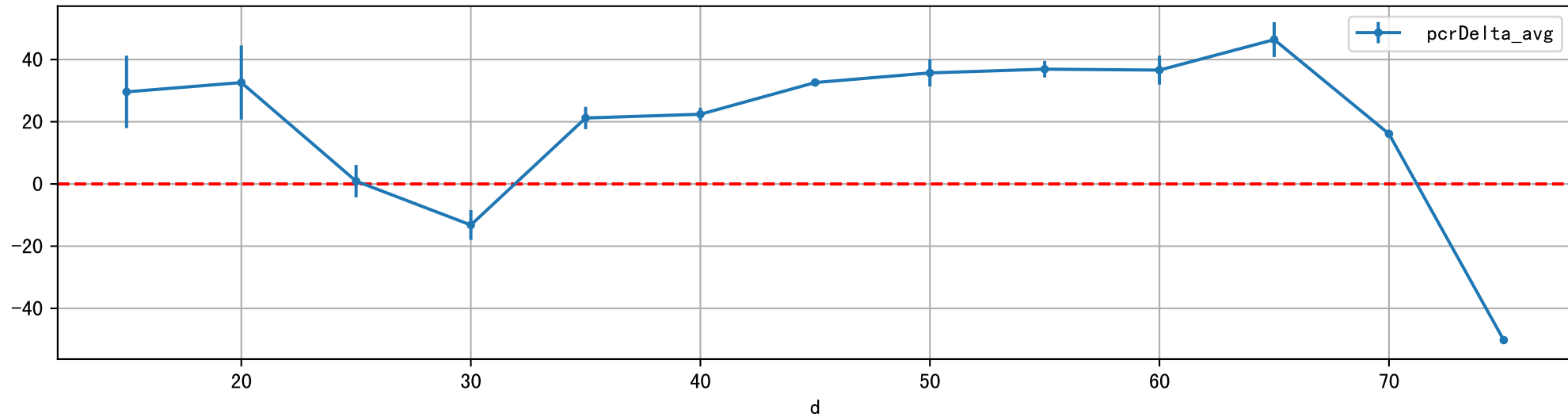
dStH: D_15d_StH



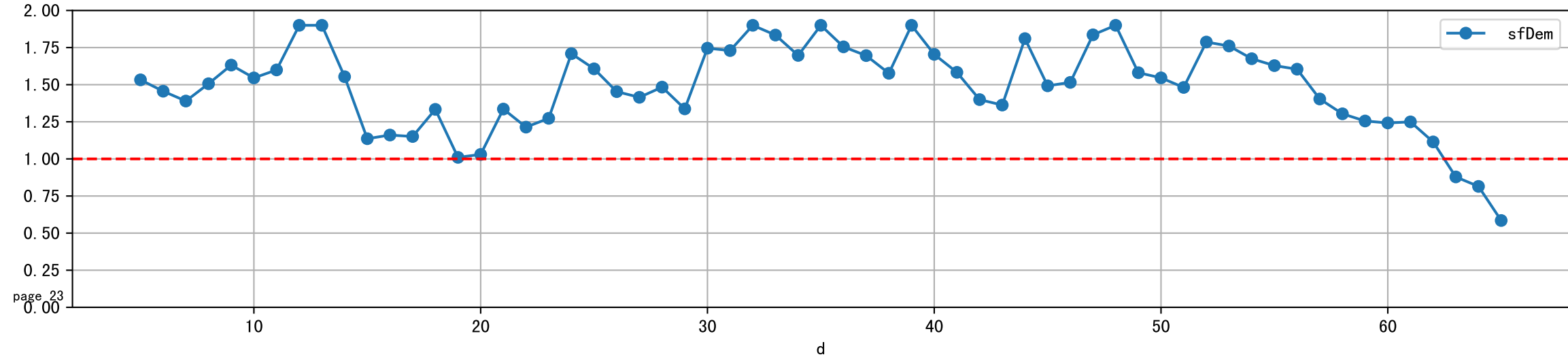
dStH: D_Q50_StH

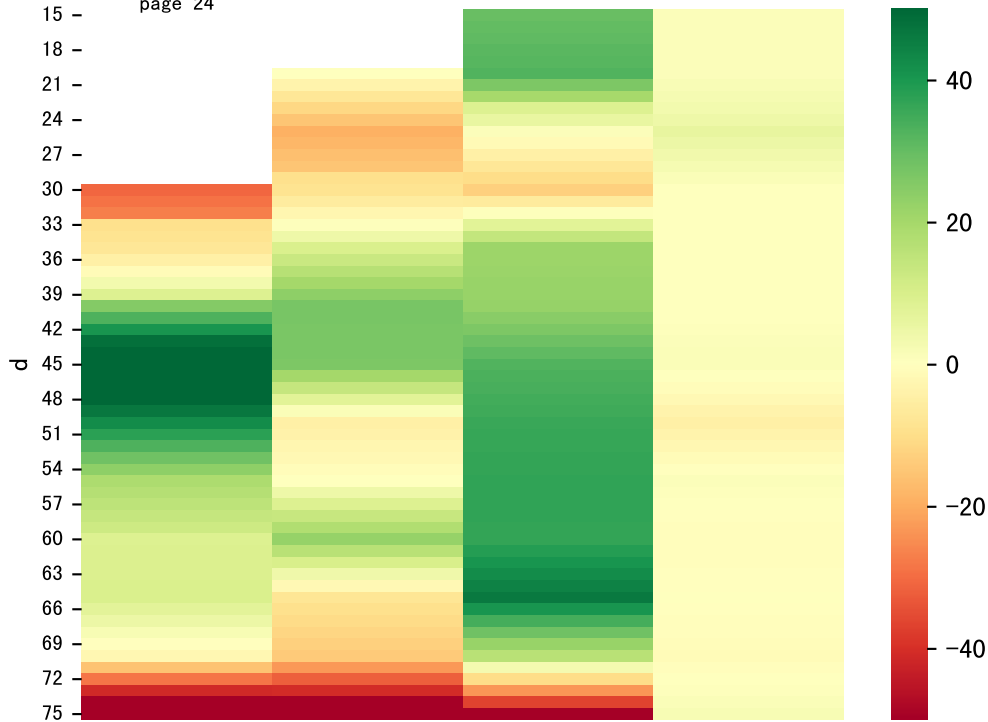


dStH: D_Est_StH

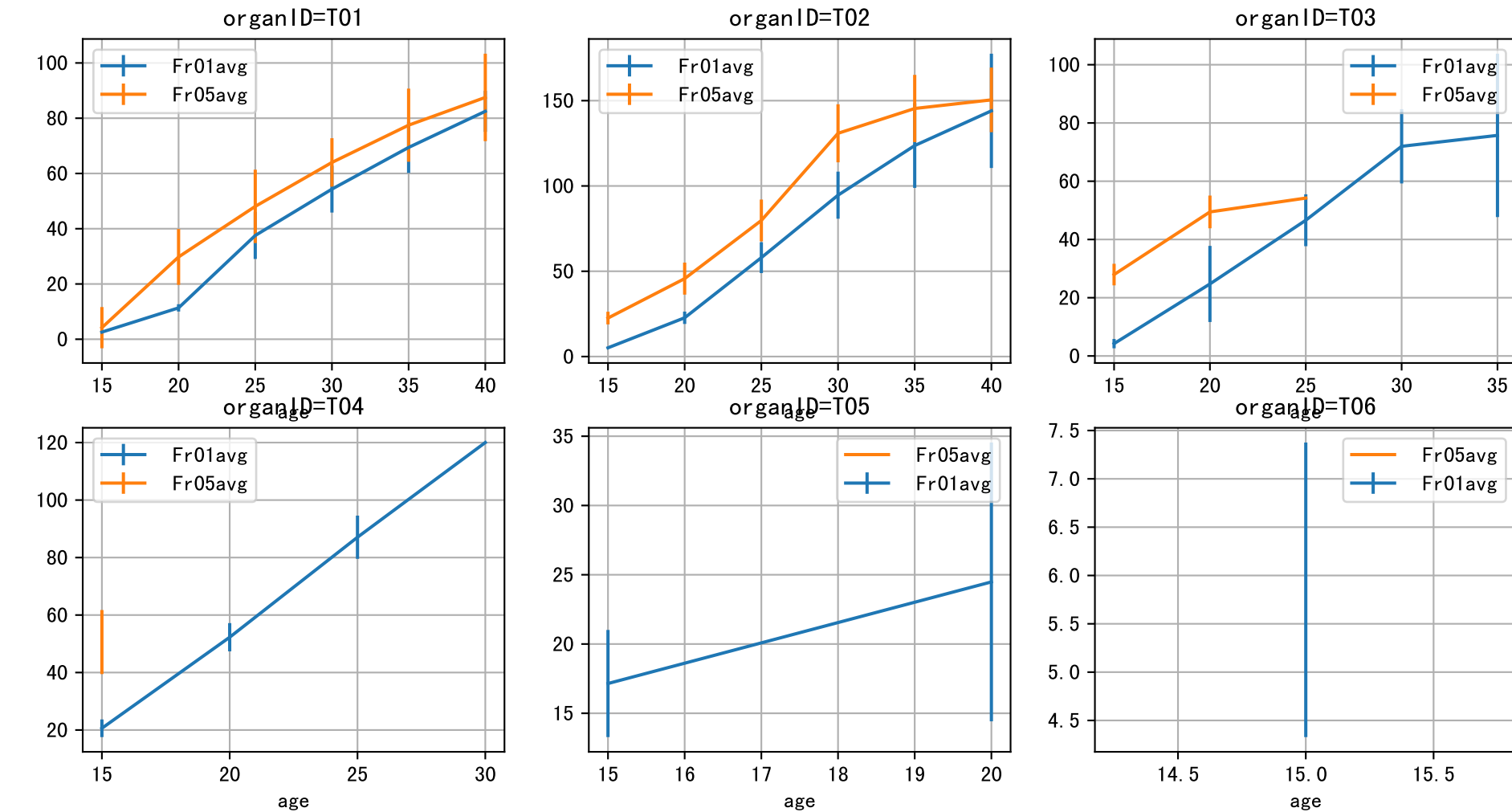


dStH: sfDem



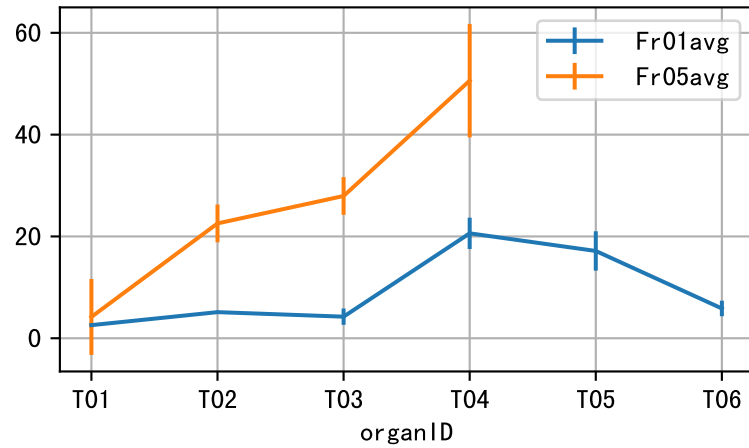


FrV: Fr01 vs Fr05 at each truss

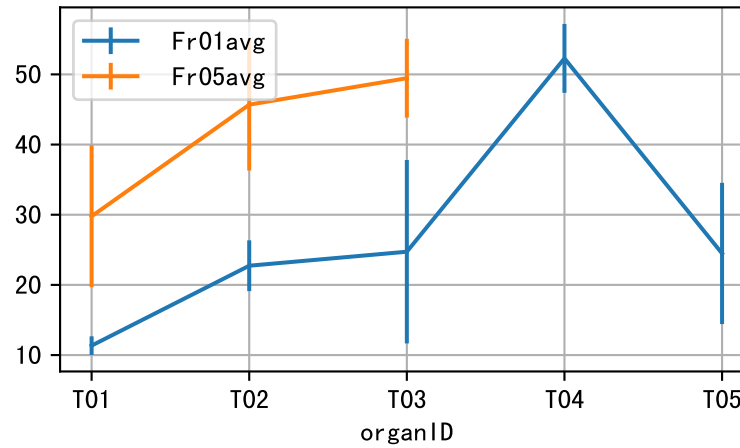


FrV trend at each age

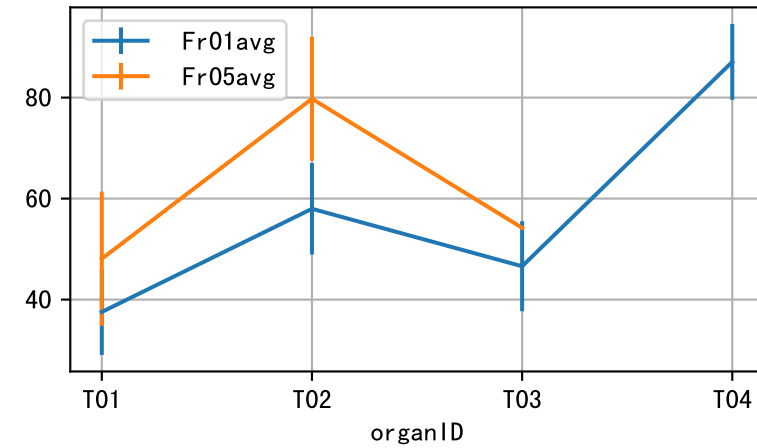
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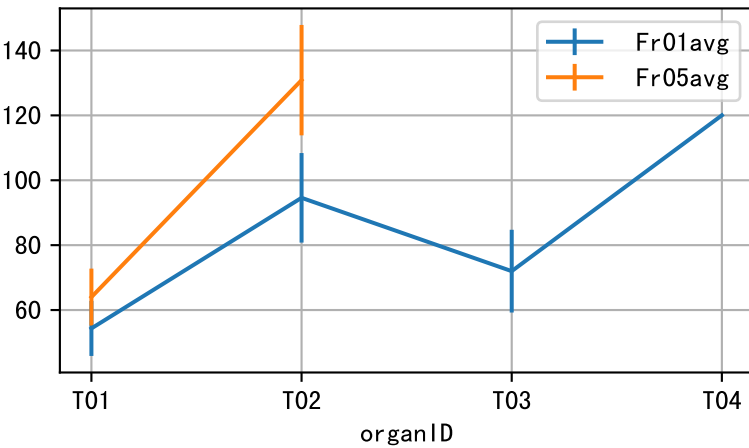
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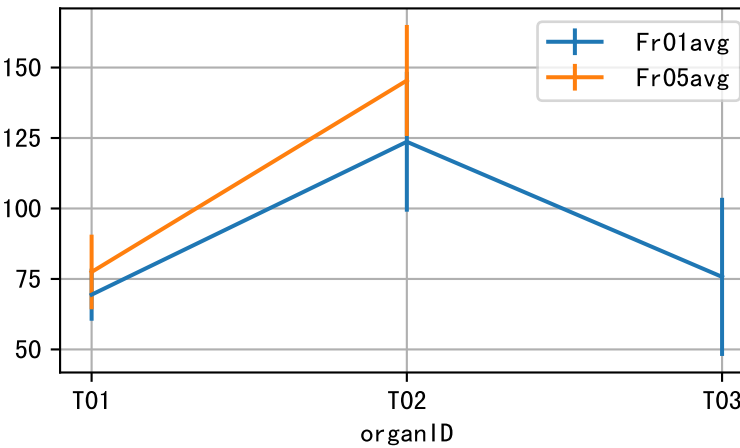
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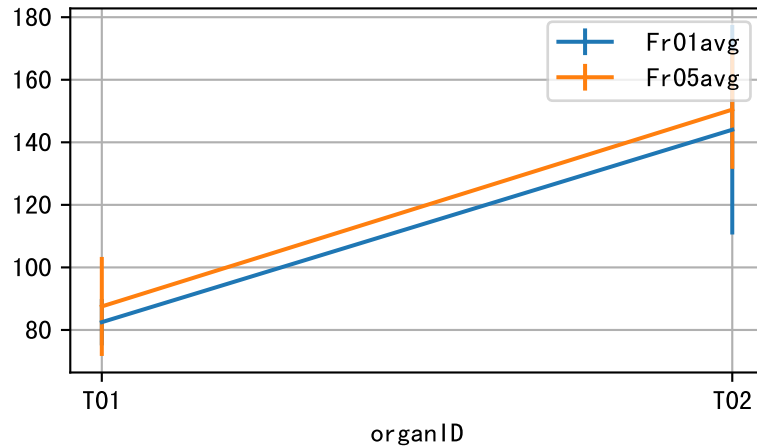
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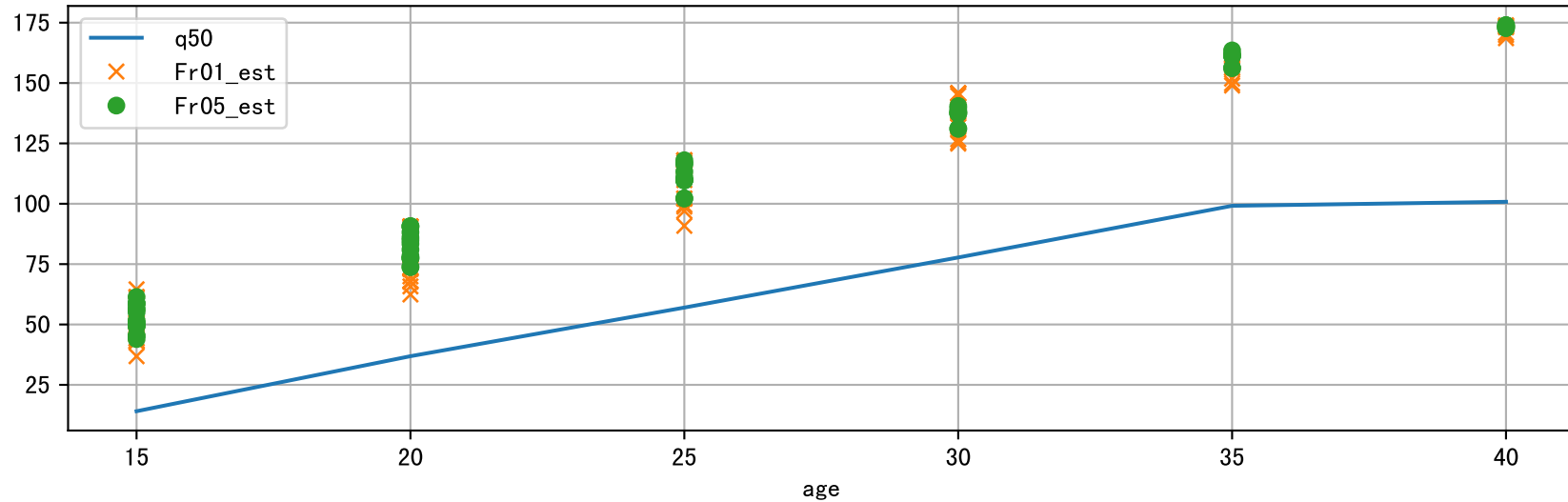
age=35



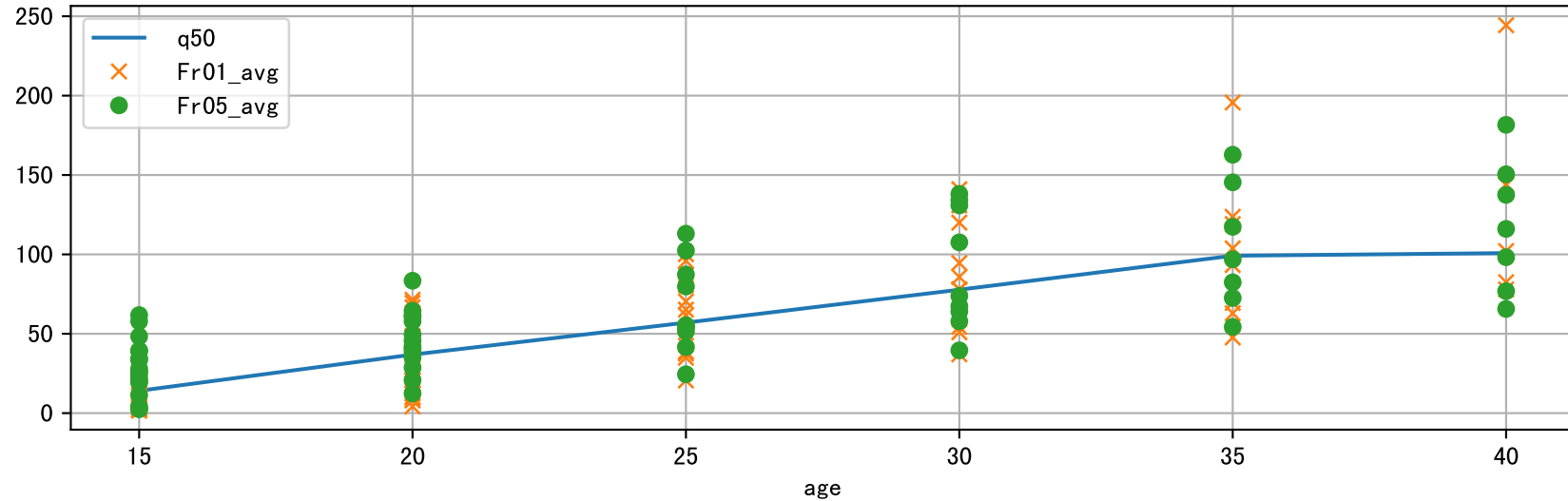
age=40

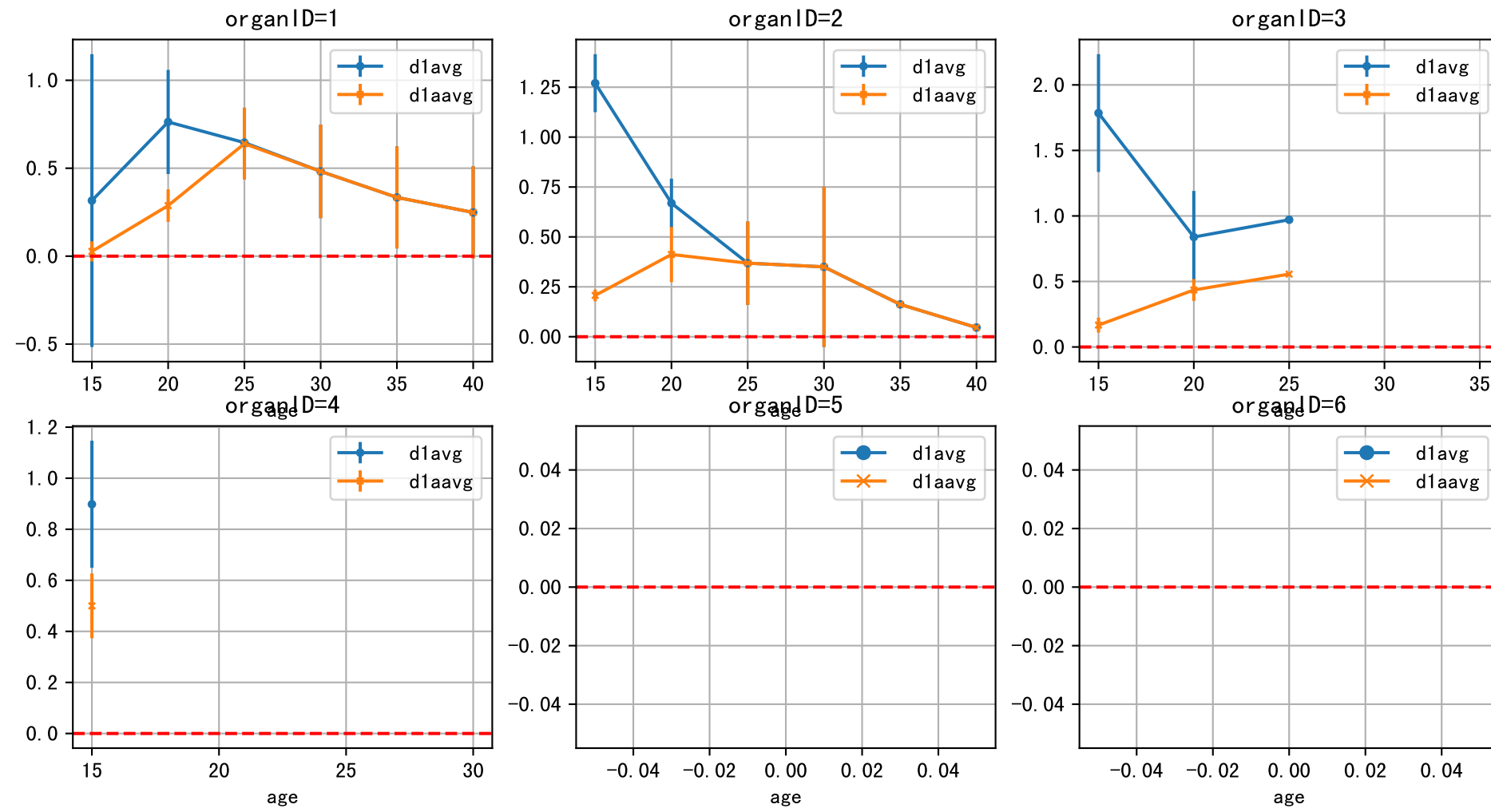


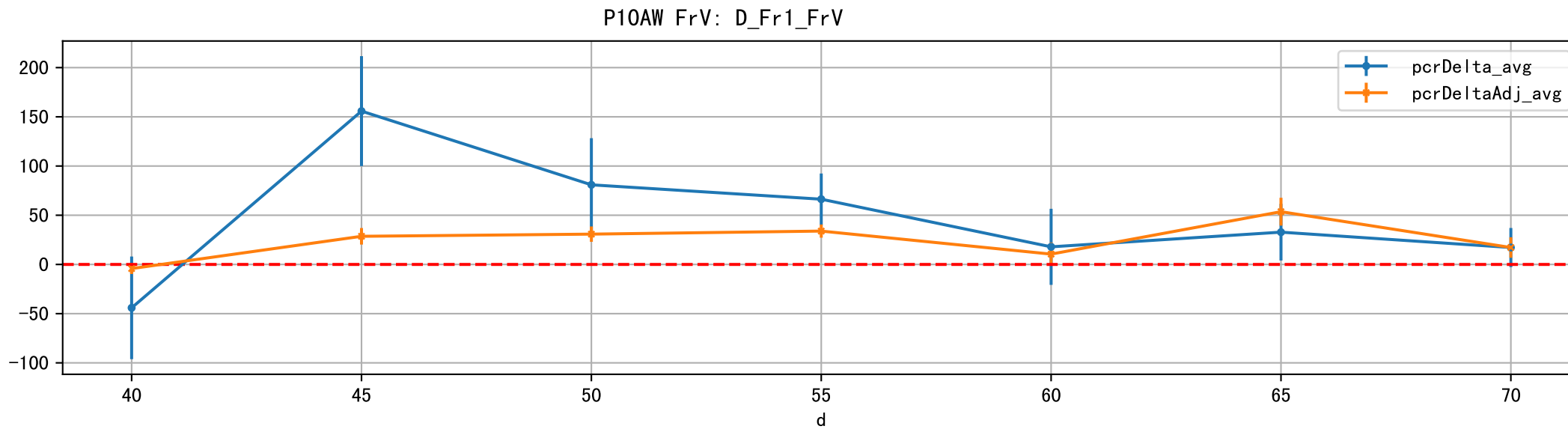
FrV: model Est vs obsFrV at Q90

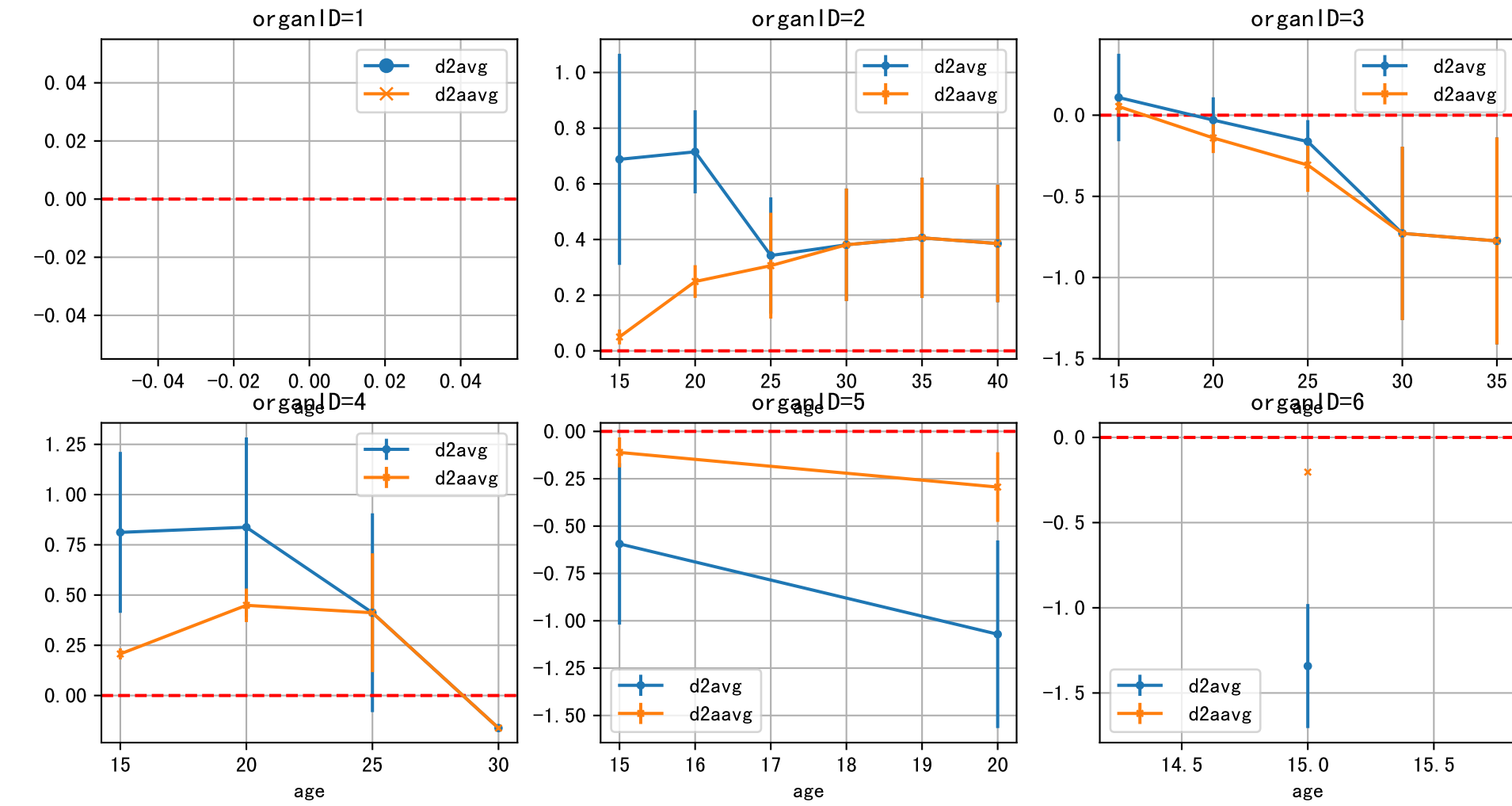


FrV: obsFrV vs obsFrV@Q90

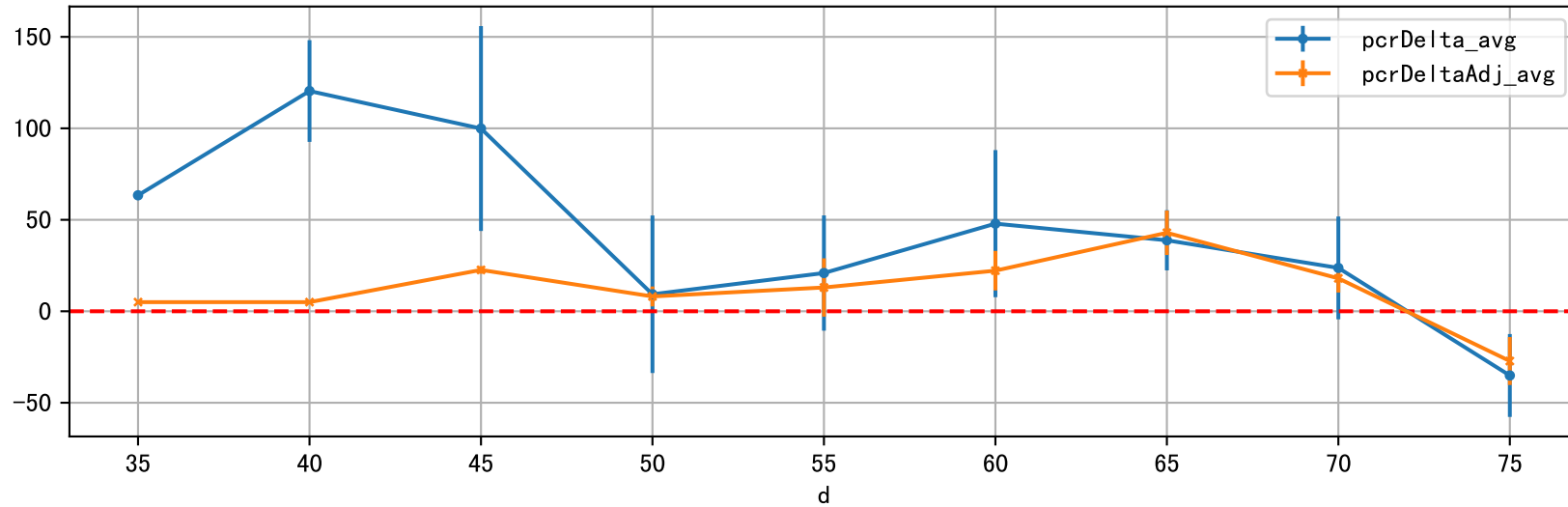


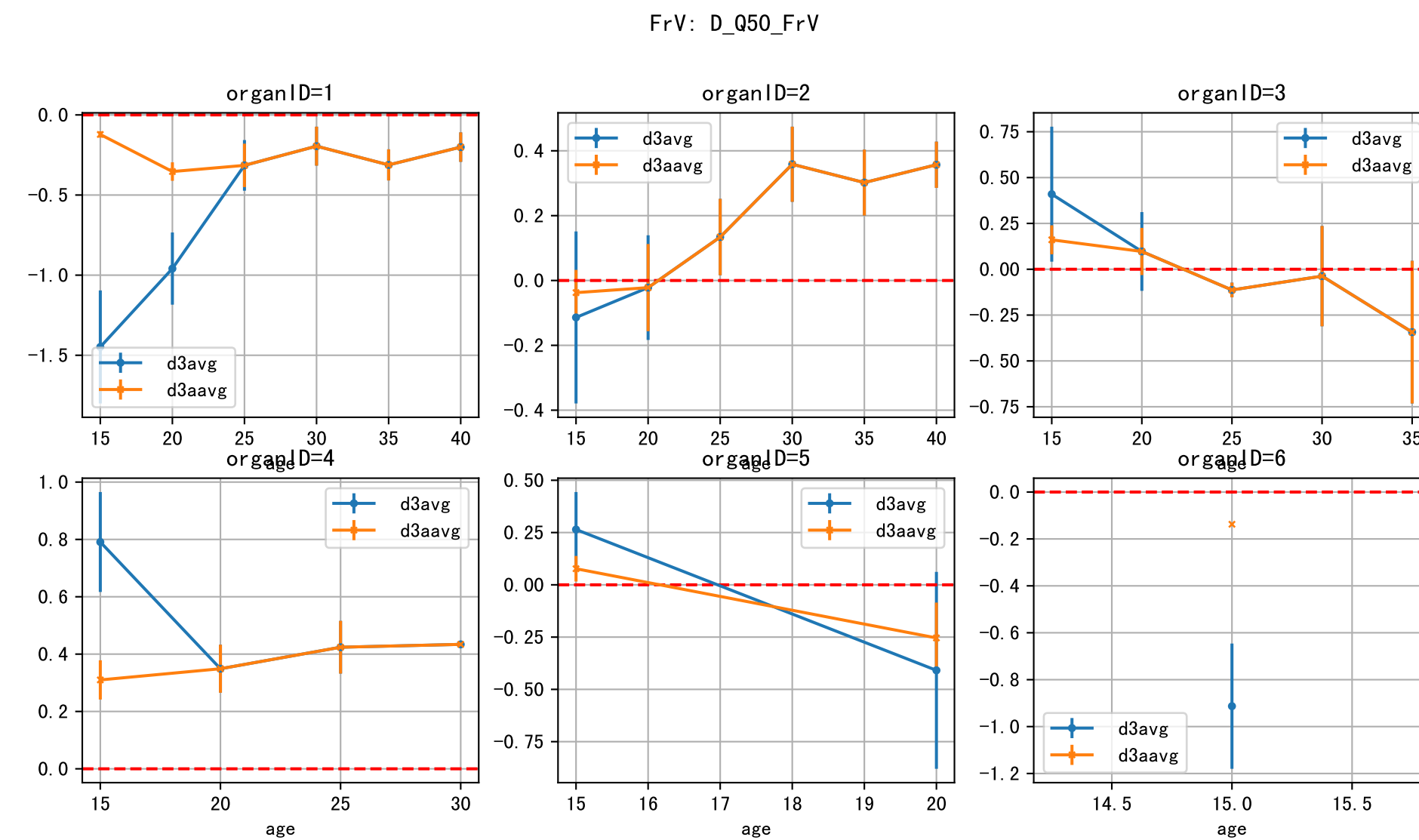




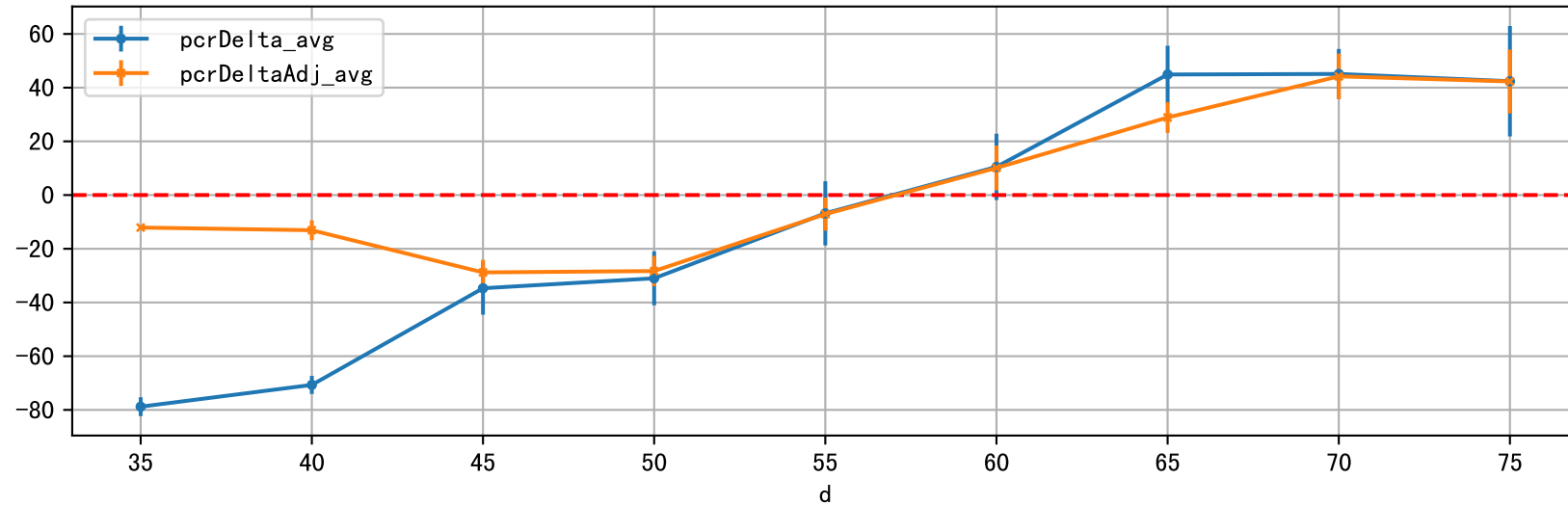


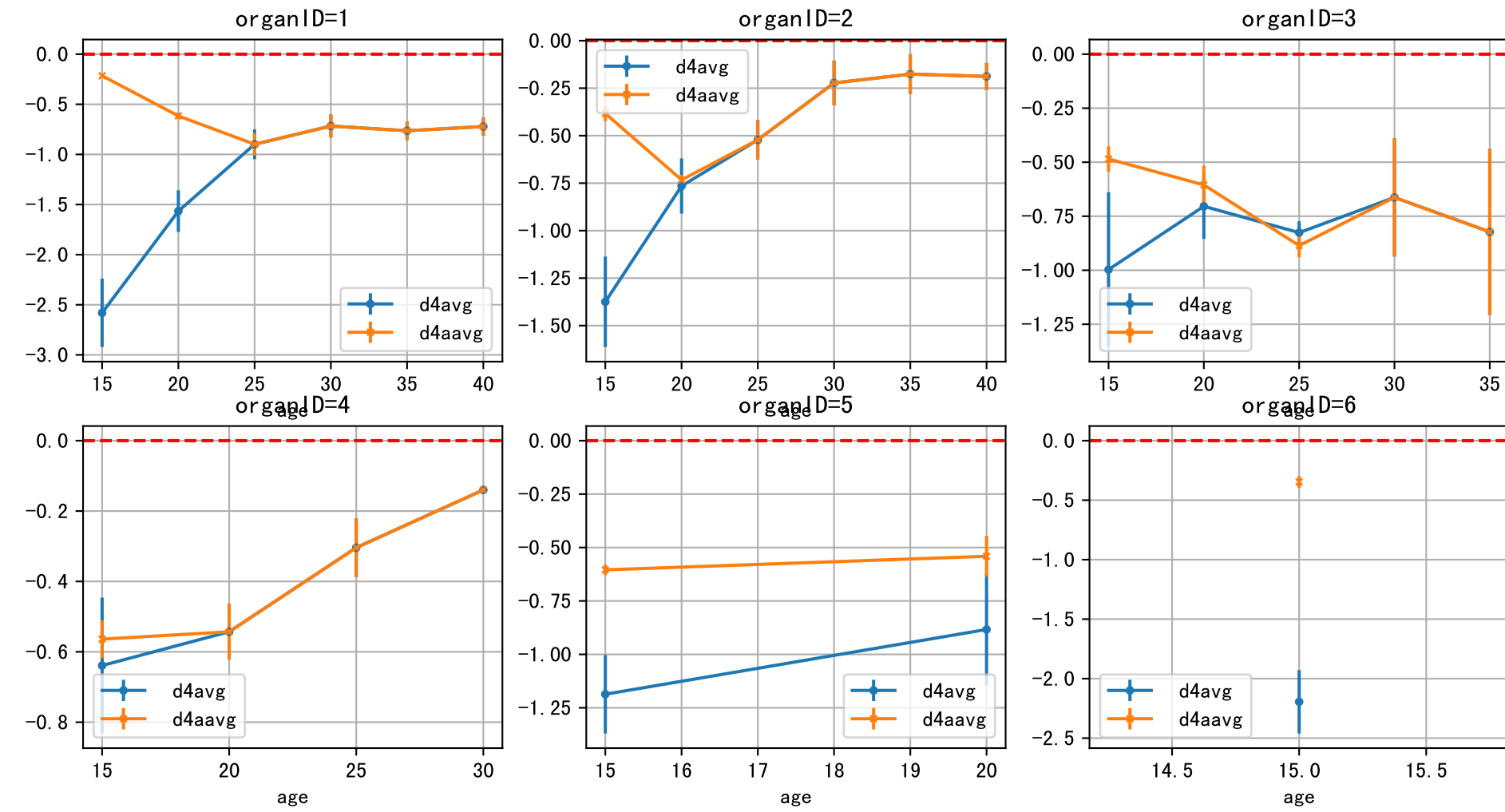
P10AW FrV: D_Ts_FrV





P10AW FrV: D_Q50_FrV





P10AW FrV: D_Est_FrV

