

Phenotype Data Analysis Plots

PhenoData day range = 10 – 70

Analysis cutoff day = 70

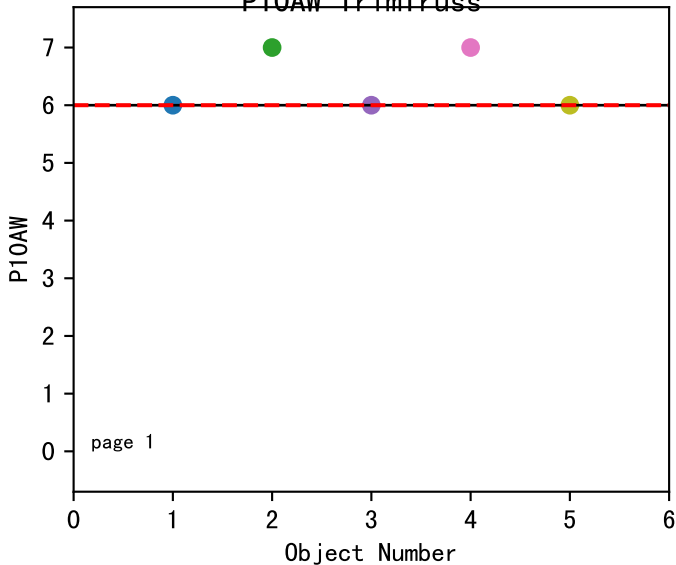
NC11 P10

2025-06-10 (Day 71)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~9% avg2=na

P10AW TrimTruss



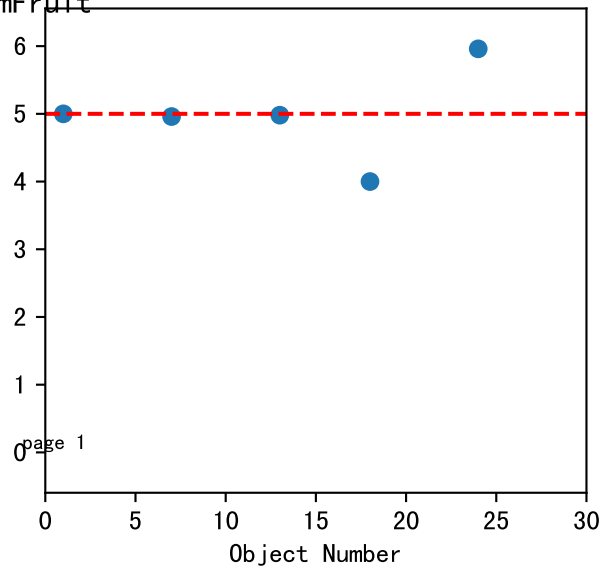
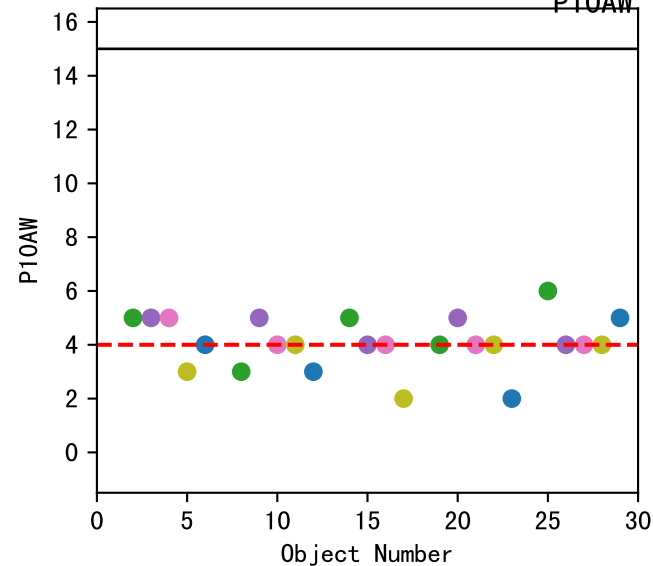
FruitNumAvgPerTruss (Def=15 Set=4)

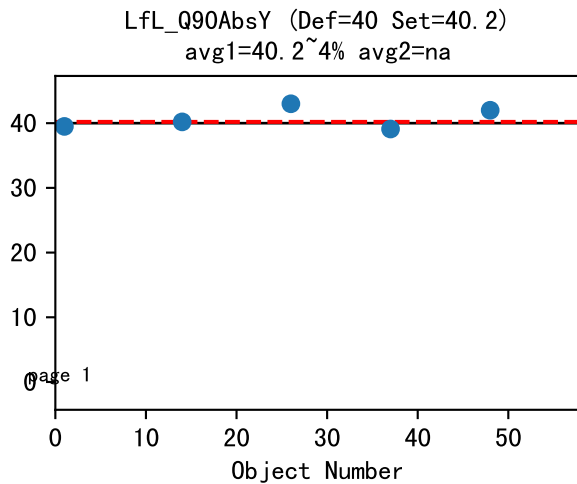
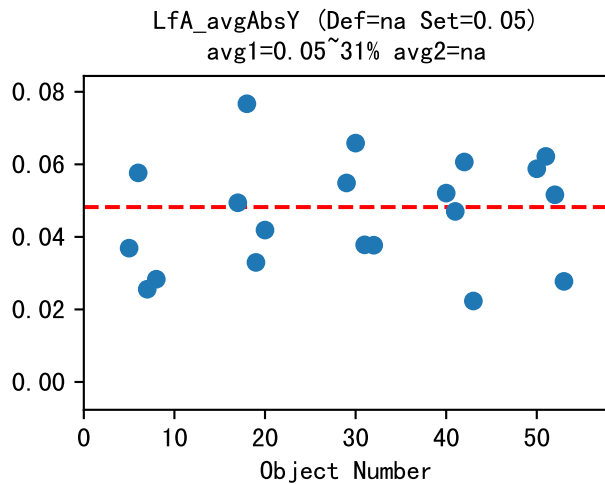
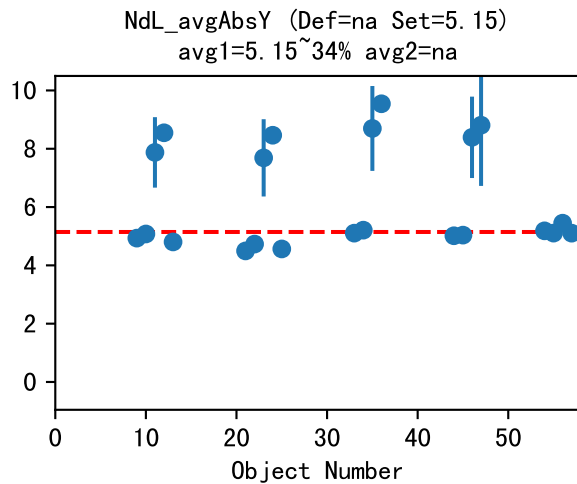
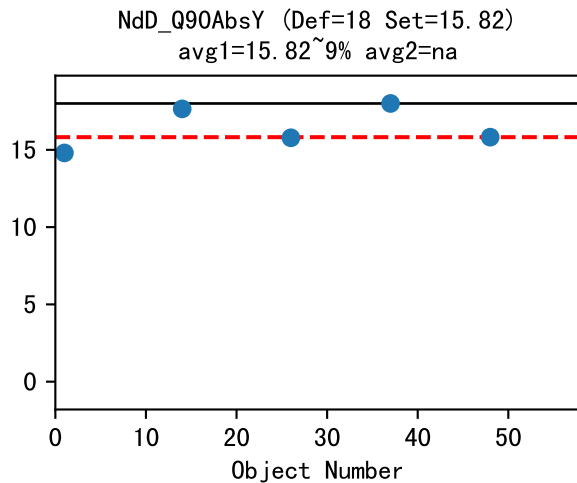
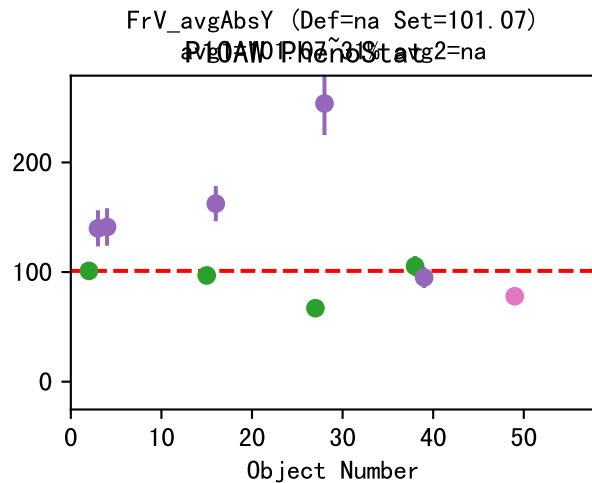
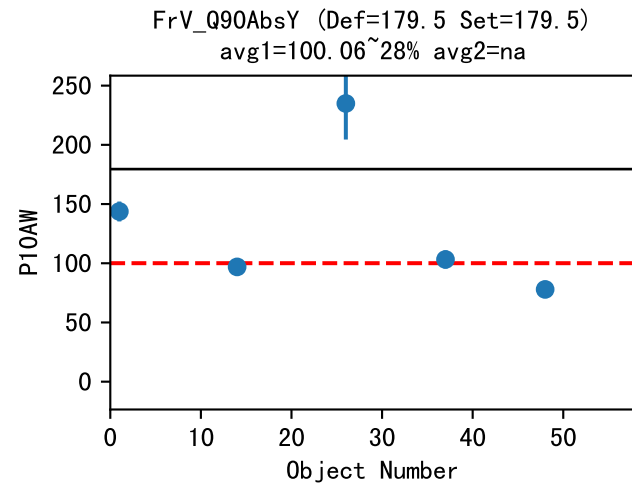
avg1=4.0~19% avg2=na

P10AW TrimFruit

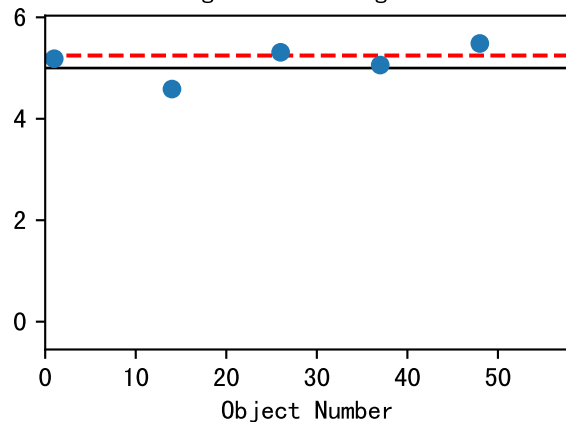
FruitNumMaxPerTruss (Def=na Set=5)

avg1=5.0~0% avg2=na

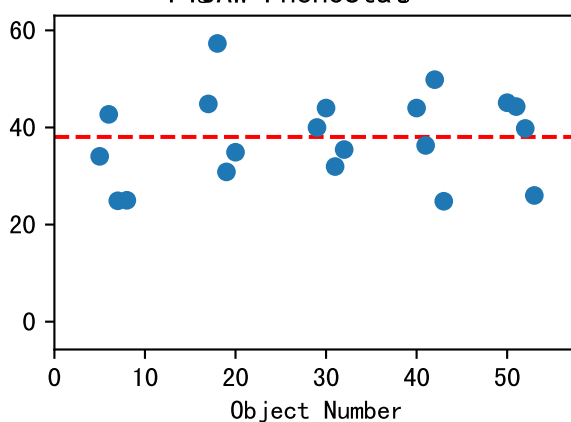




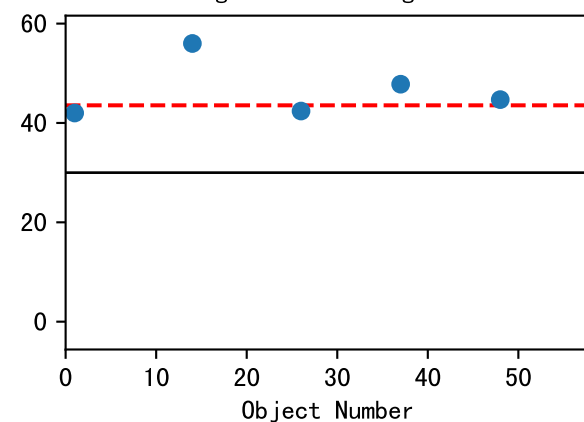
NdL_Q90AbsY (Def=5 Set=5.25)
avg1=5.25~3% avg2=na



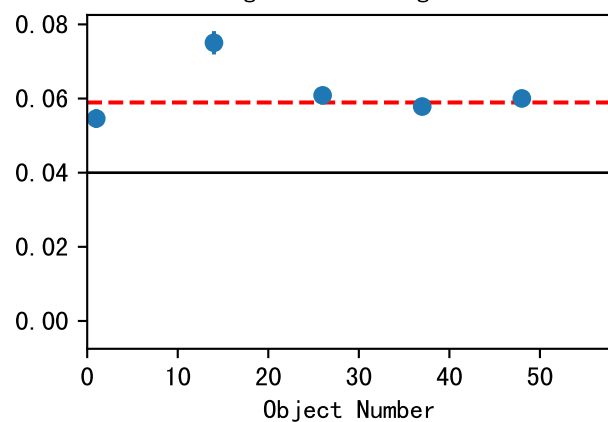
LfW_avgAbsY (Def=na Set=38.05)
avg1=38.05~24% avg2=na



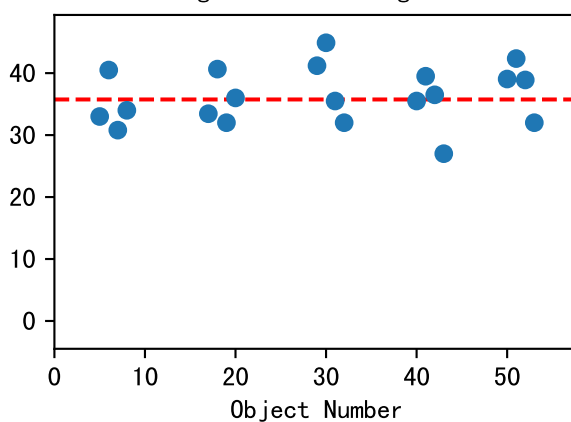
LfW_Q90AbsY (Def=30 Set=43.55)
avg1=43.55~6% avg2=na



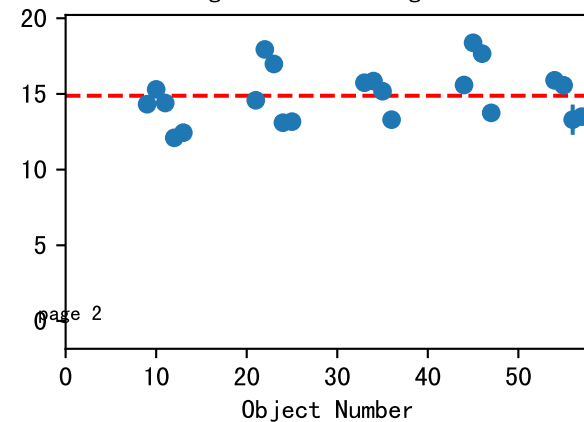
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.06~5% avg2=na



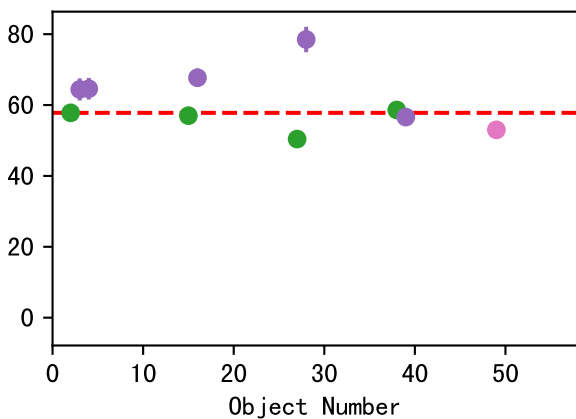
LfL_avgAbsY (Def=na Set=35.75)
avg1=35.75~13% avg2=na



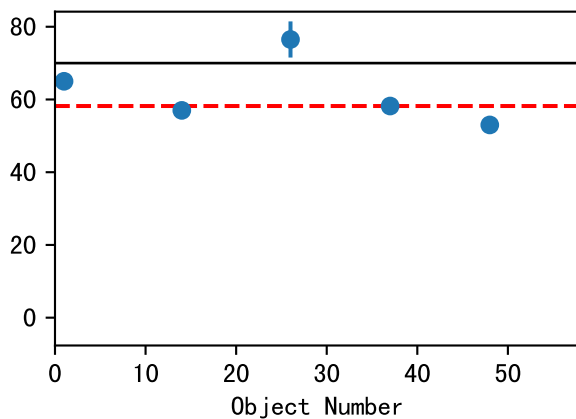
NdD_avgAbsY (Def=na Set=14.88)
avg1=14.88~12% avg2=na



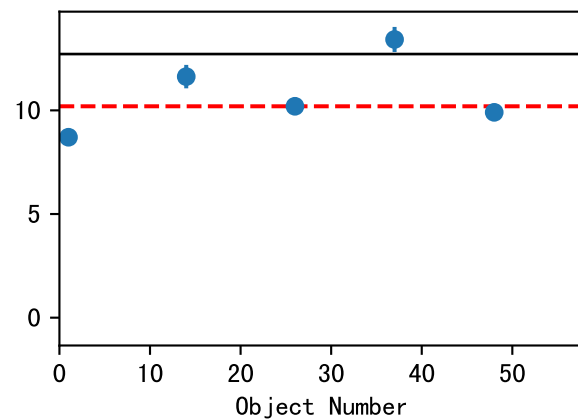
FrD_avgAbsY (Def=na Set=57.8)
avg1=57.8~10% avg2=na



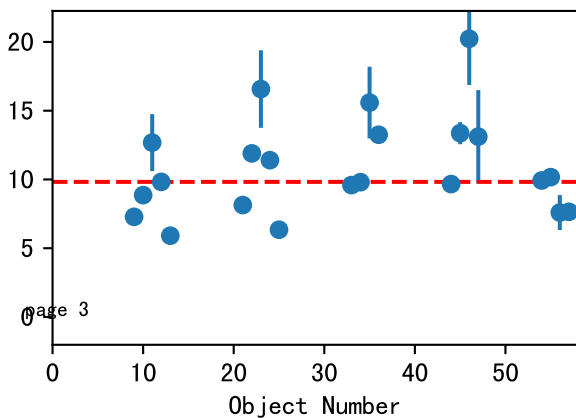
FrD_Q90AbsY (Def=70 Set=58.2)
avg1=58.2~16% avg2=na



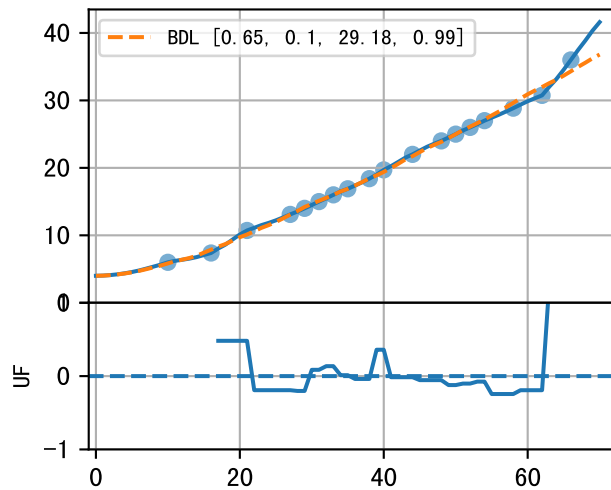
NdV_Q90AbsY (Def=12.72 Set=10.2)
avg1=10.2~18% avg2=na



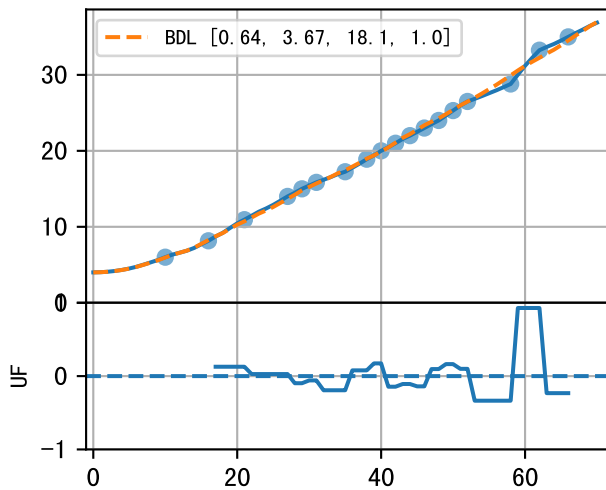
NdV_avgAbsY (Def=na Set=9.82)
avg1=9.82~30% avg2=na



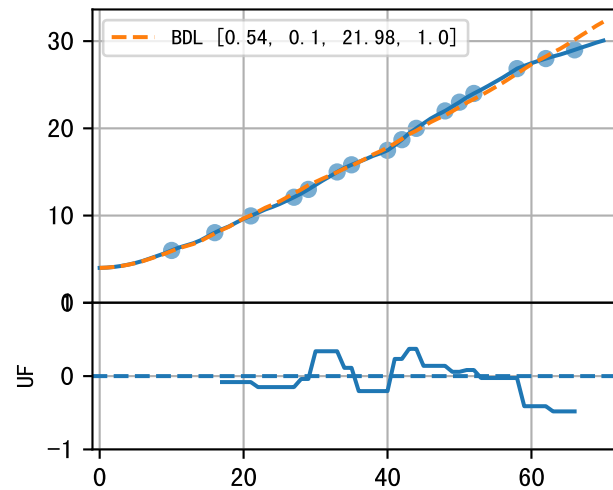
P10AW-003-11 (fit failed)



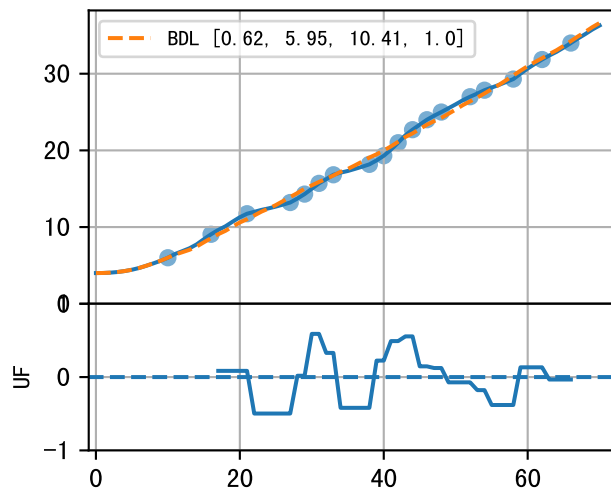
P10AW-016-21 (fit failed)



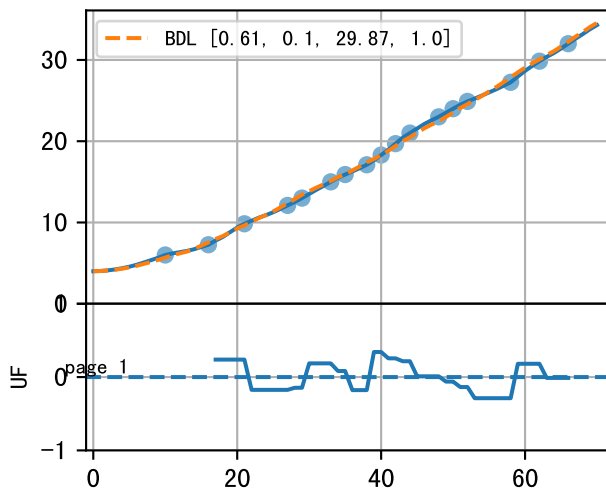
P10AW-029-30 (fit failed)



P10AW-041-24 (fit failed)



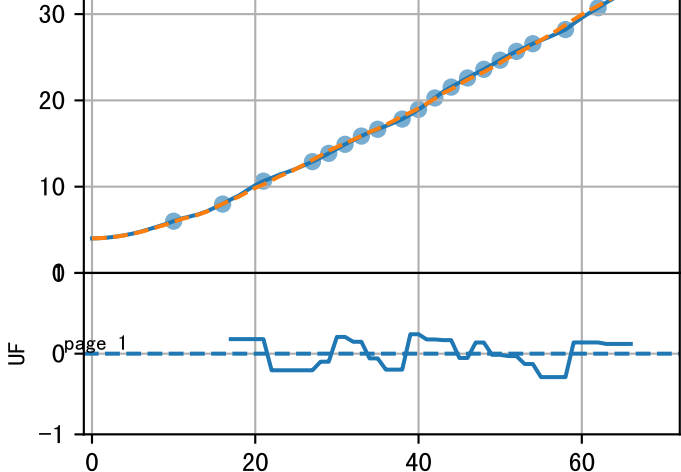
P10AW-054-10 (fit failed)



P10AWavg (fit failed)

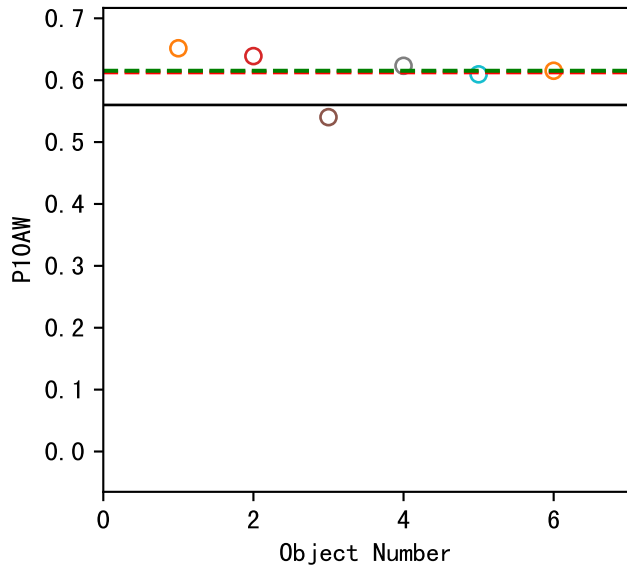
NdN

BDL [0.62, 0.1, 25.85, 1.0]

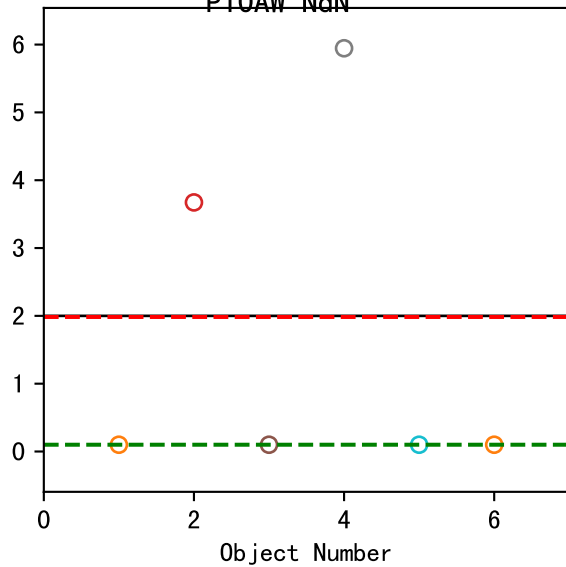


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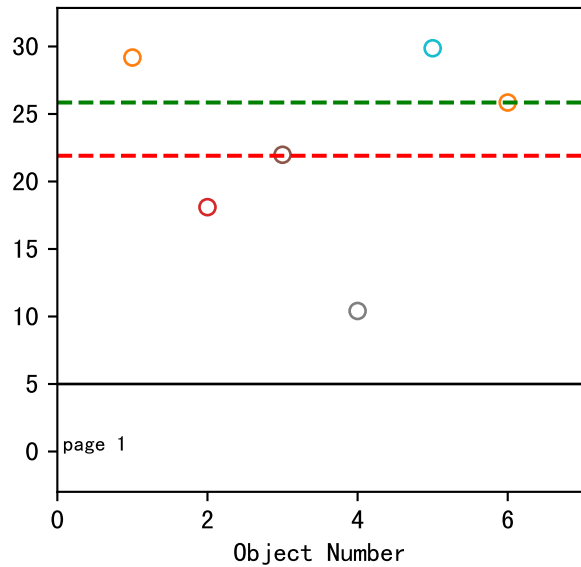
a (Def=0.56 Set=0.62)
avg1=0.61(fail) avg2=0.62



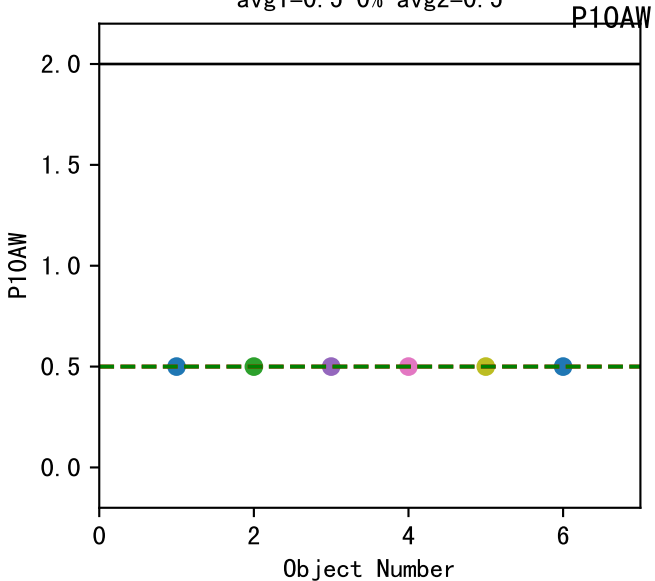
dm (Def=2 Set=0.1)
avg1=1.98(fail) avg2=0.1



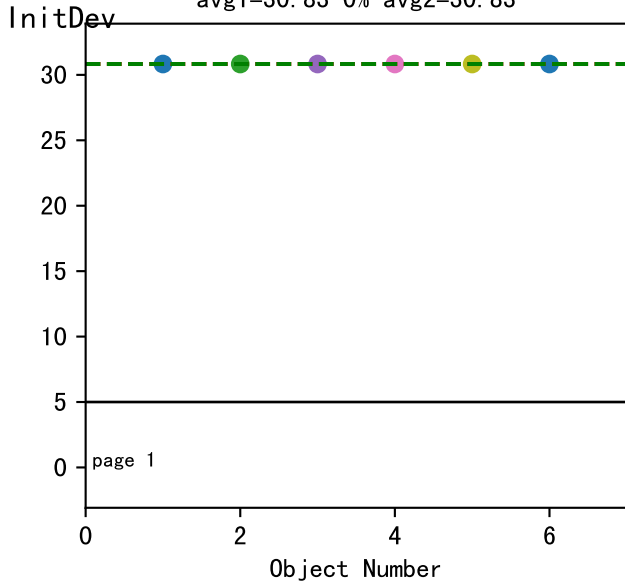
de (Def=5 Set=25.85)
avg1=21.91(fail) avg2=25.85



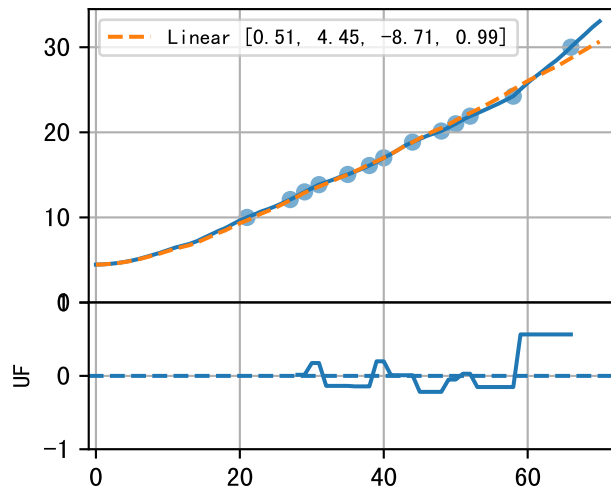
InitDev_dm (Def=2 Set=0.5)
avg1=0.5~0% avg2=0.5



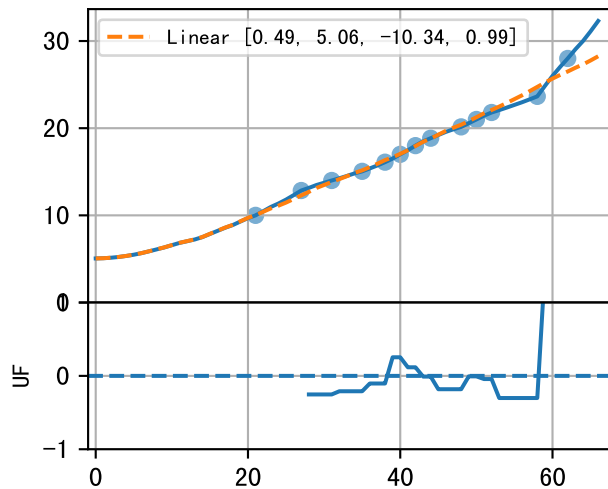
InitDev_de (Def=5 Set=30.83)
avg1=30.83~0% avg2=30.83



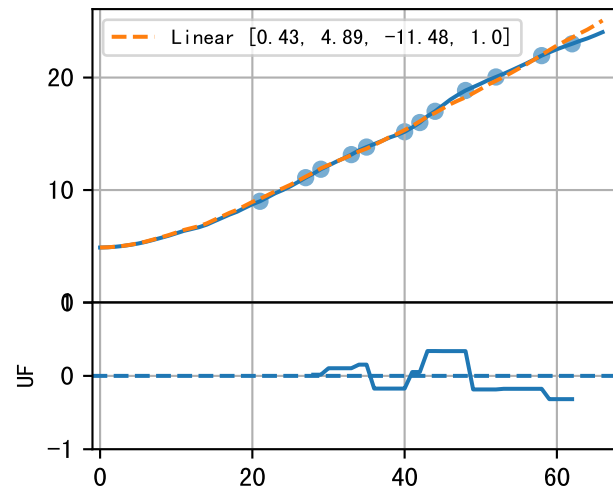
P10AW-003-11



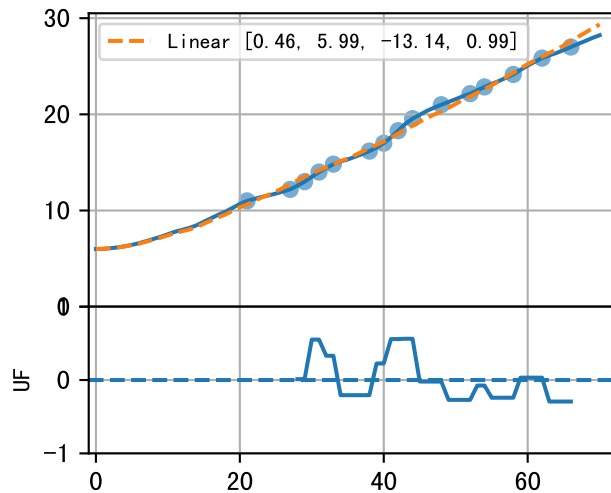
P10AW-016-3



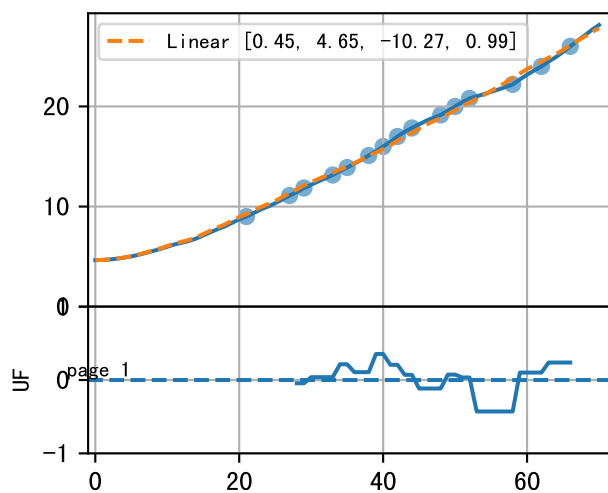
P10AW-029-30



P10AW-041-24



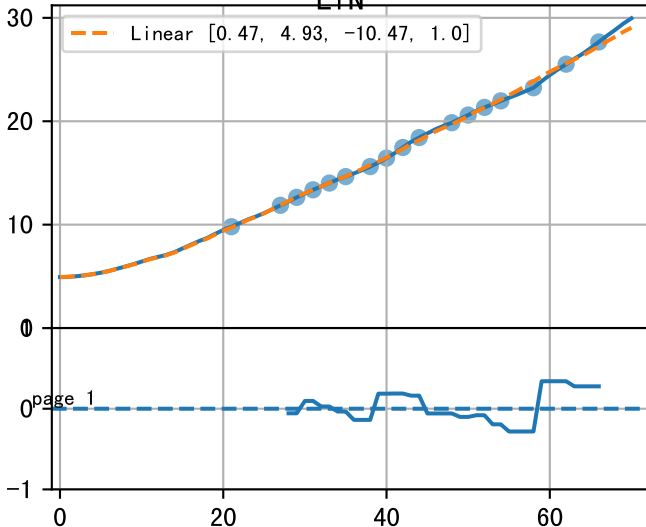
P10AW-054-10



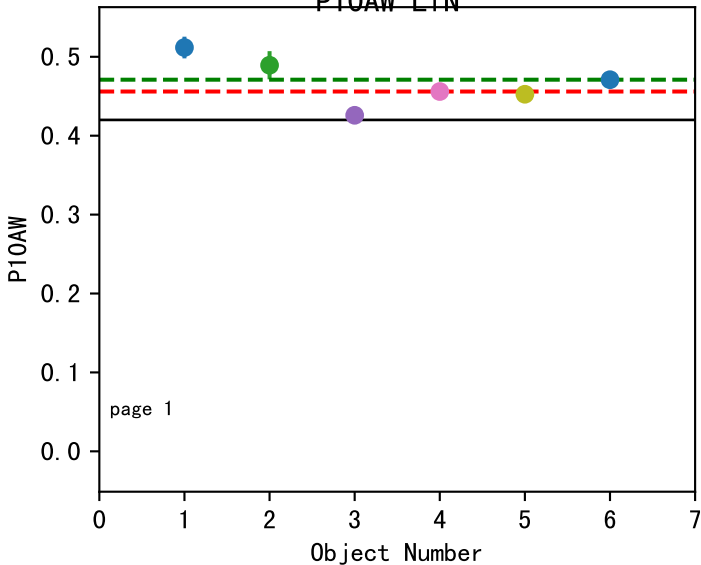
P10AWavg
Lfn

Linear [0.47, 4.93, -10.47, 1.0]

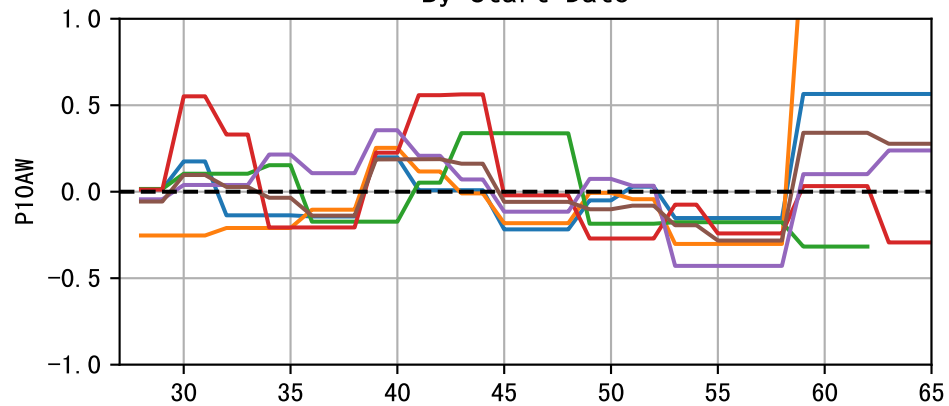
UF
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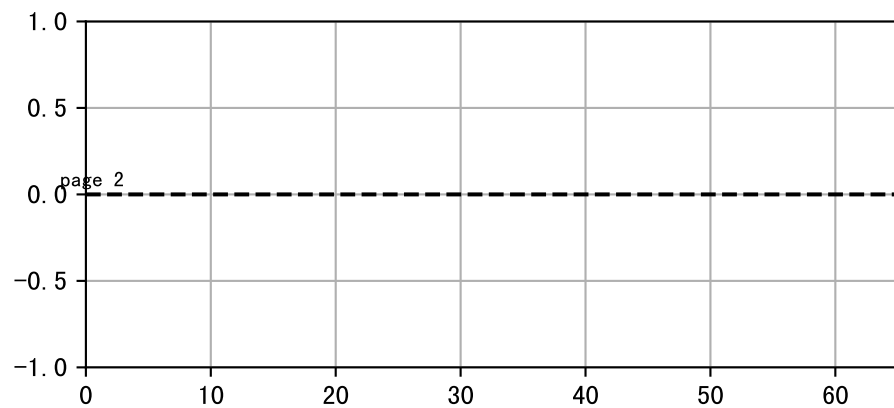
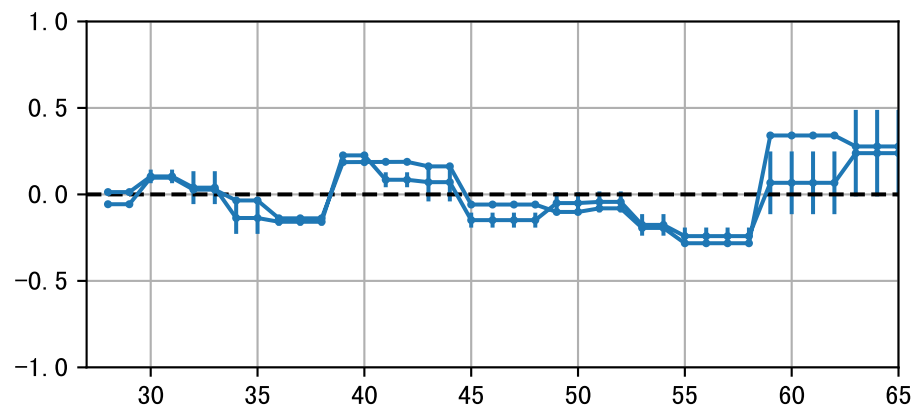
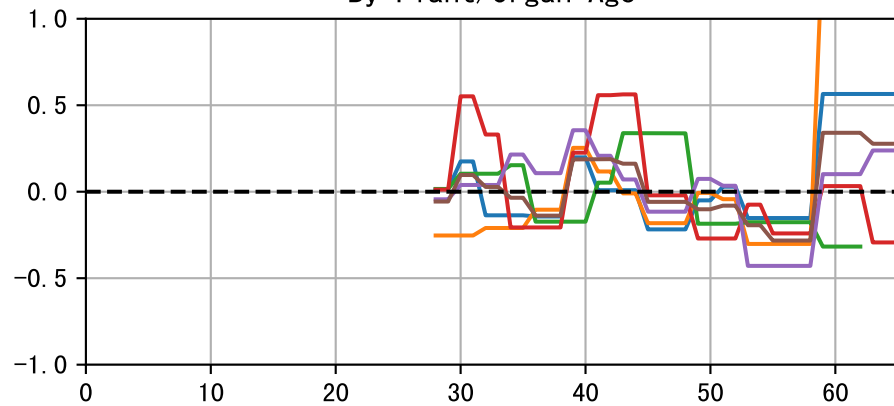
a (Def=0.42 Set=0.47)
avg1=0.46~7% avg2=0.47~2%



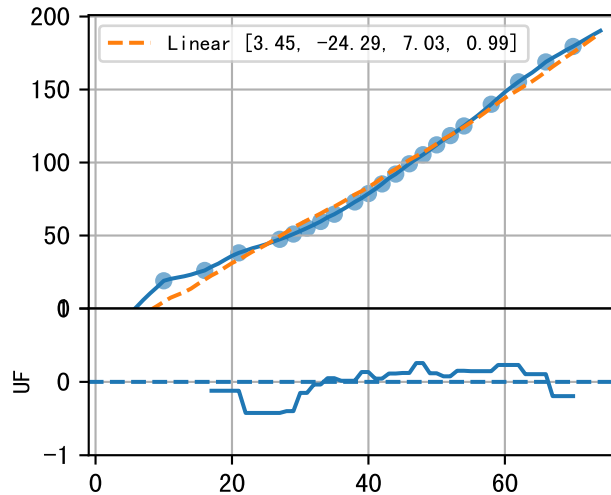
By Start Date



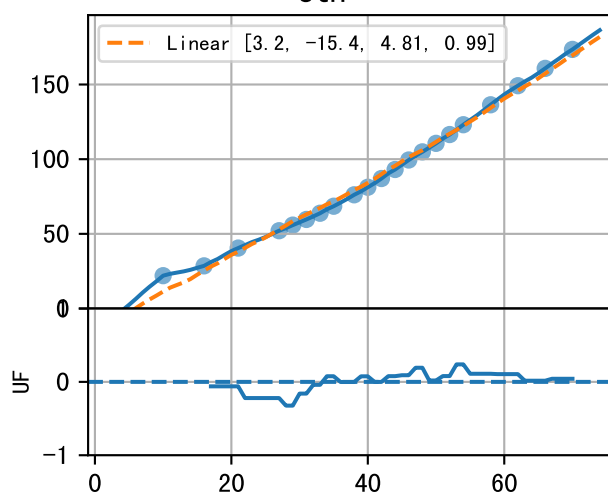
By Plant/Organ Age



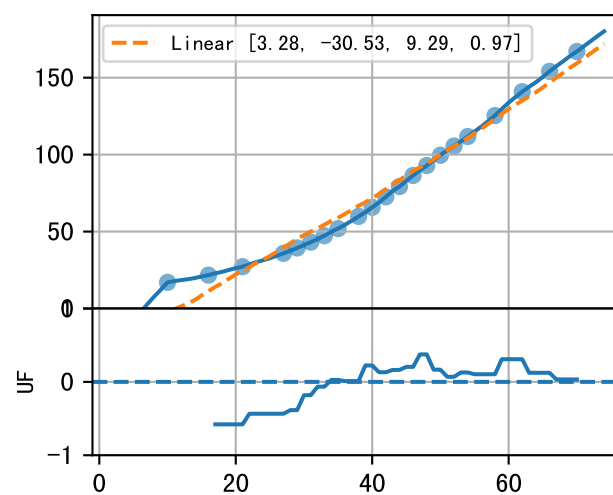
P10AW-003-11



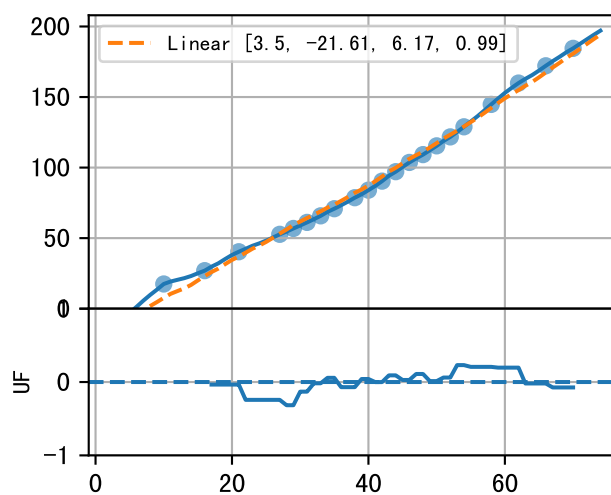
P10AW-016-3



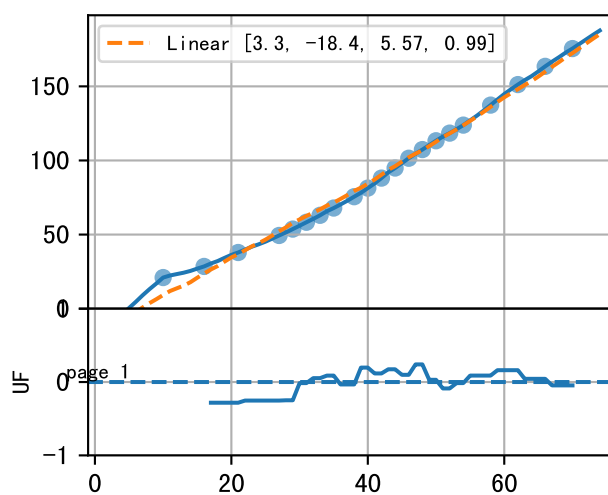
P10AW-029-30



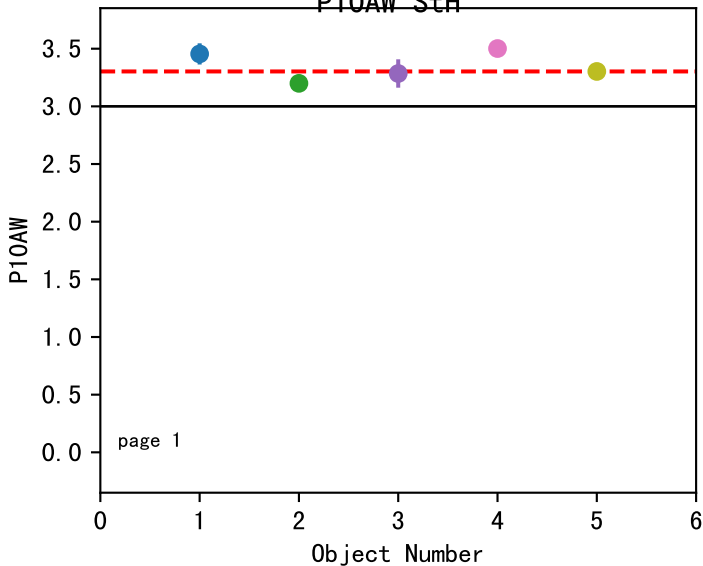
P10AW-041-24



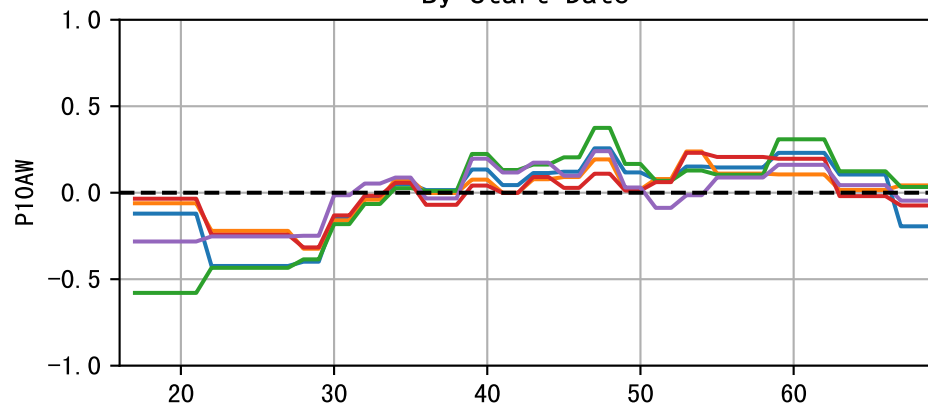
P10AW-054-10



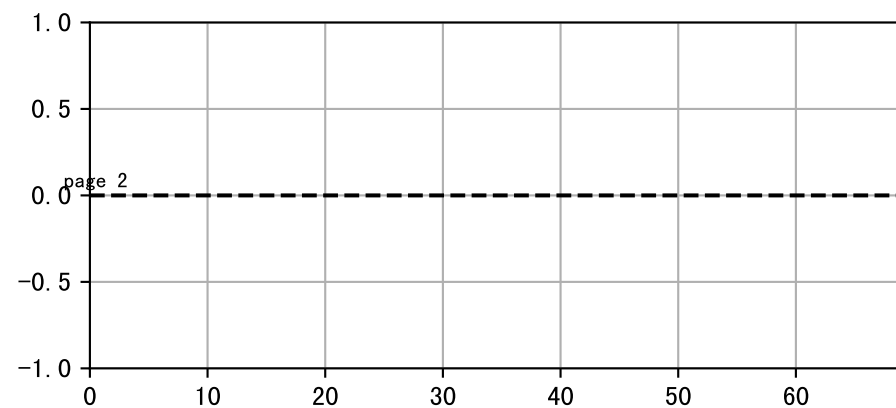
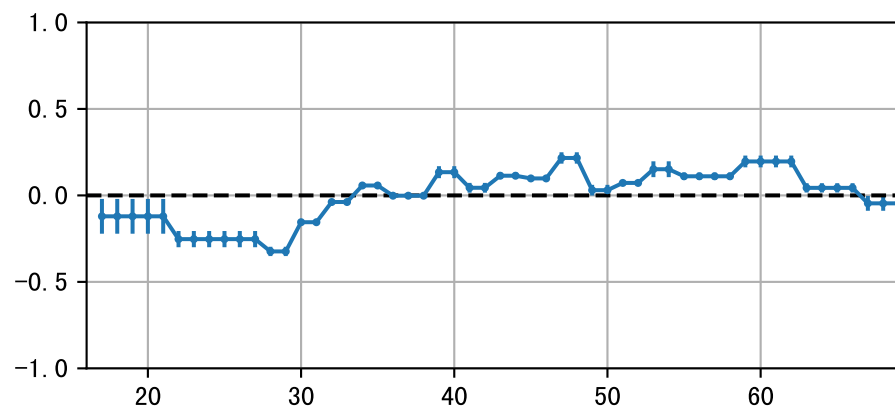
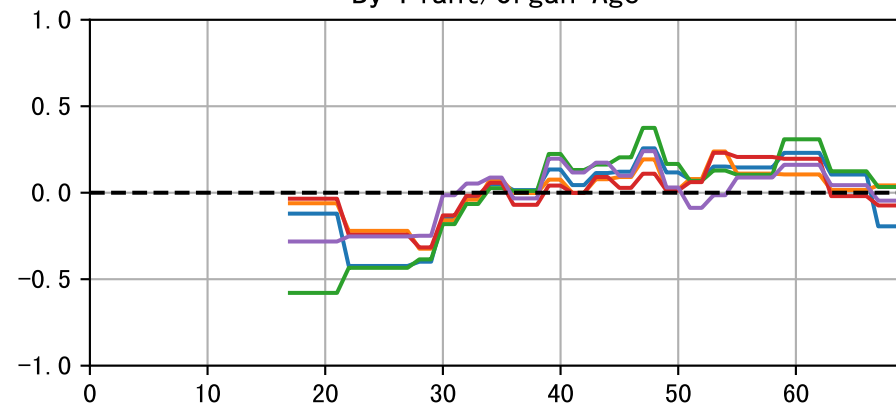
a (Def=3 Set=3.3)
avg1=3.3~4% avg2=na
P10AW StH



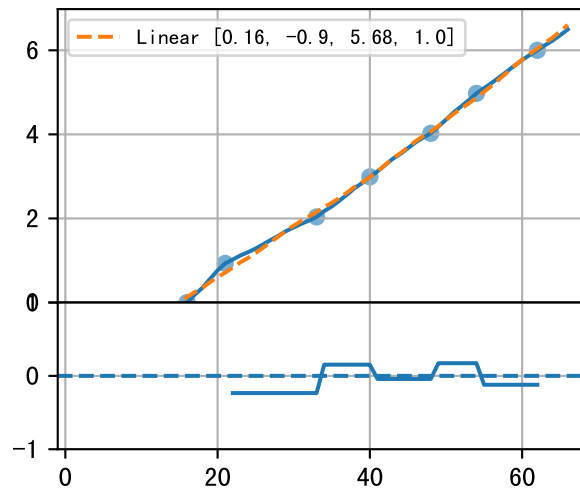
By Start Date



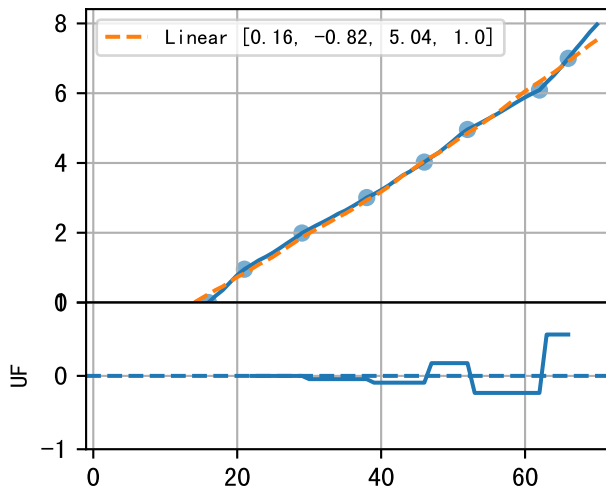
By Plant/Organ Age



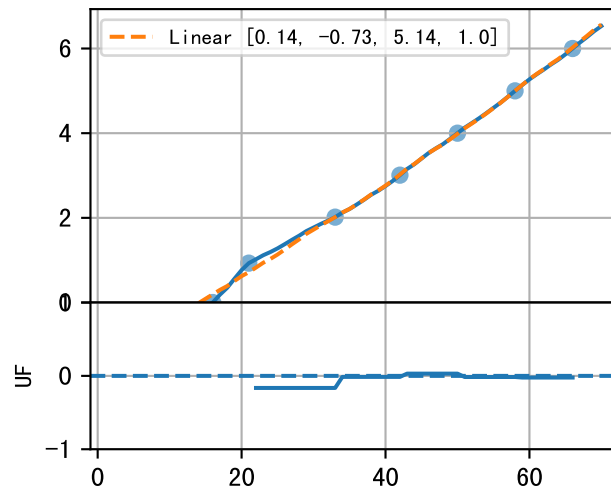
P10AW-003-11



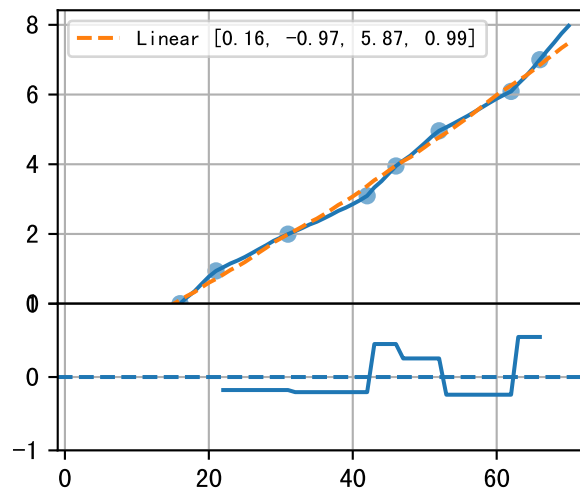
P10AW-016-3



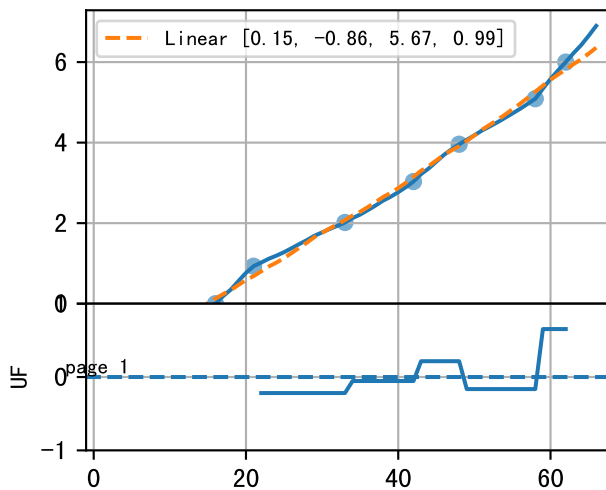
P10AW-029-30



P10AW-041-24



P10AW-054-10

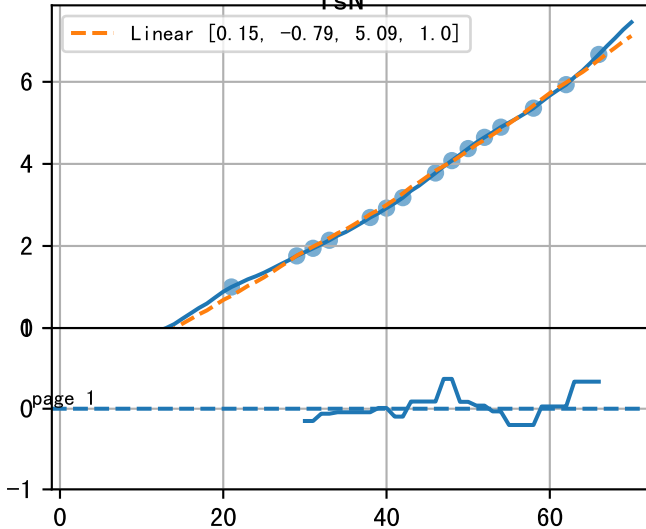


P10AWavg
TSN

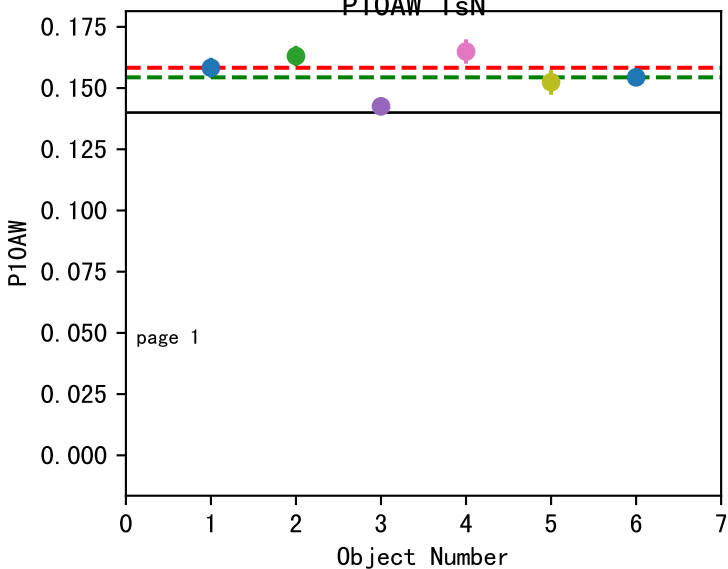
Linear [0.15, -0.79, 5.09, 1.0]

UF

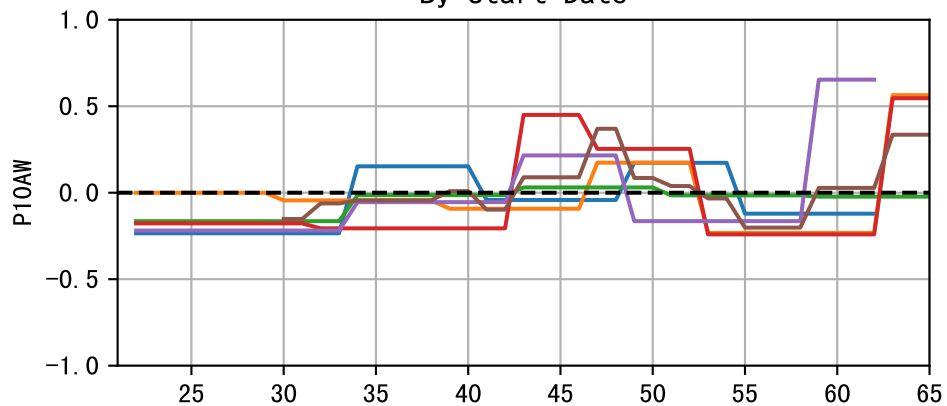
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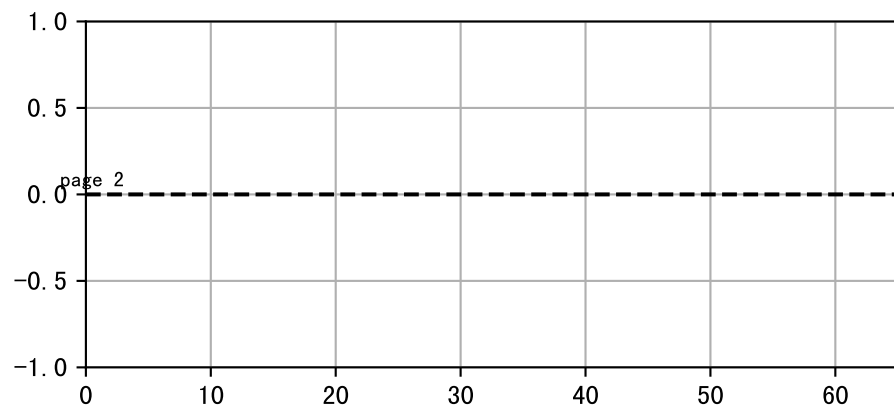
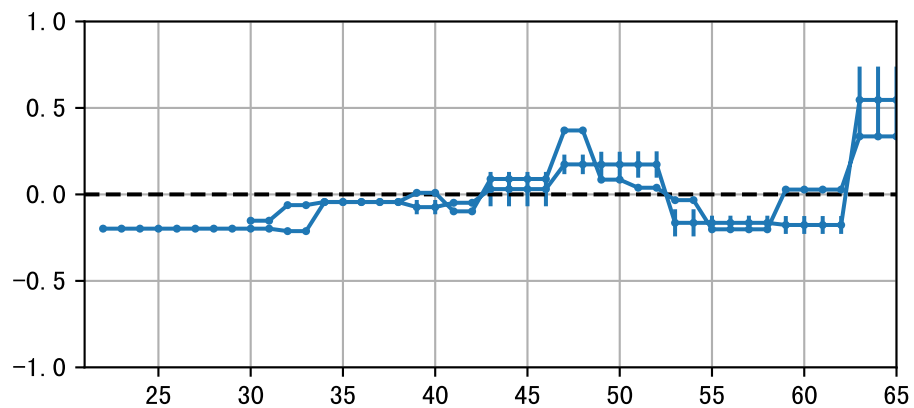
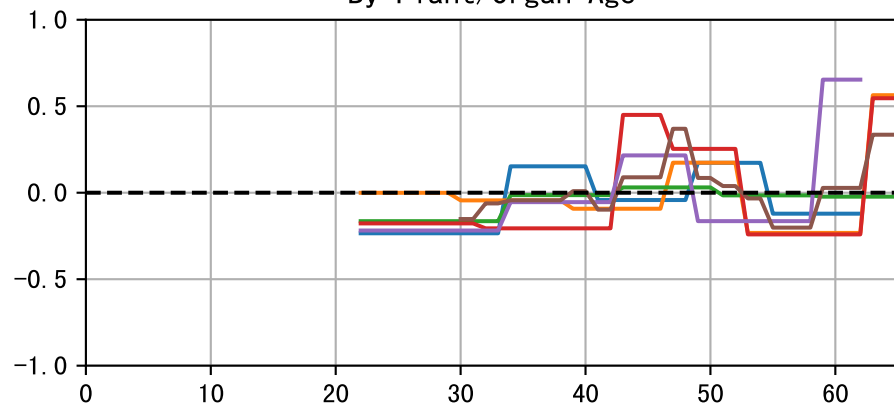
a (Def=0.14 Set=0.15)
avg1=0.16~6% avg2=0.15~3%

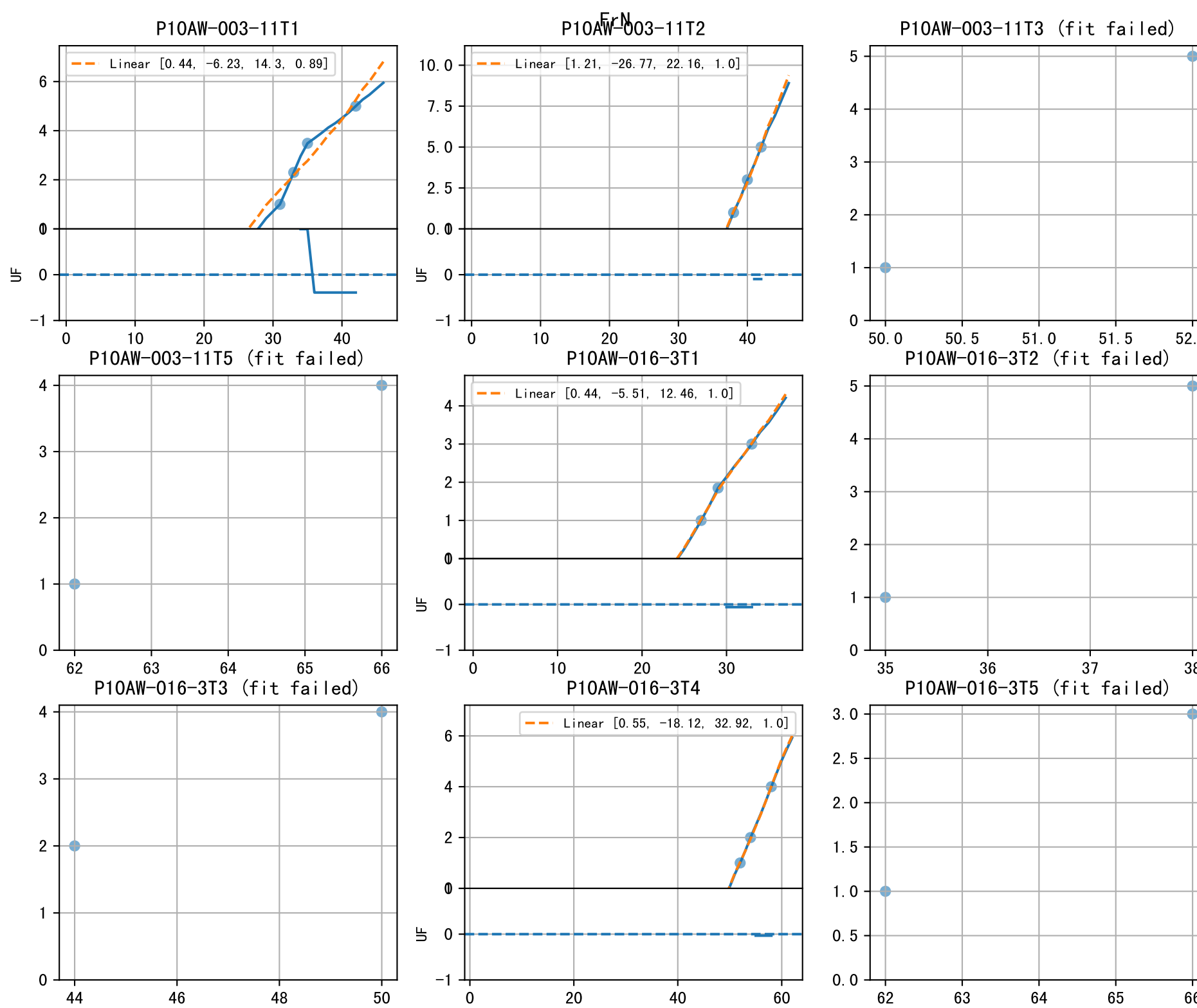


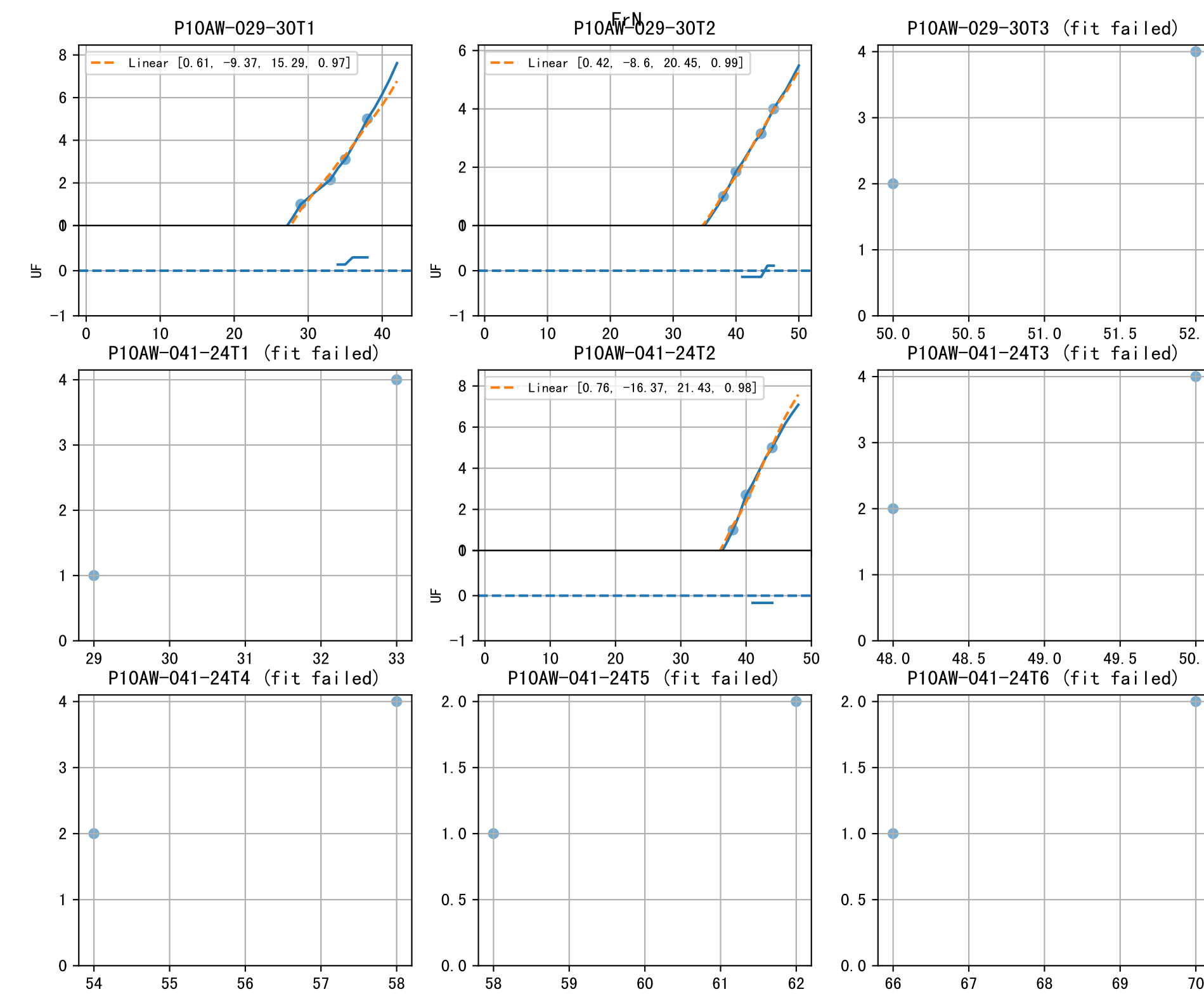
By Start Date



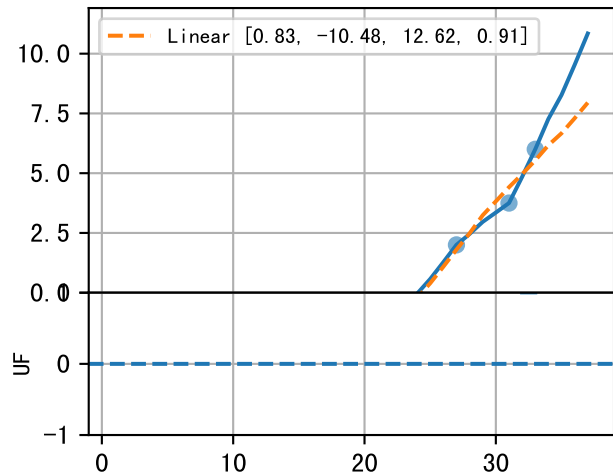
By Plant/Organ Age



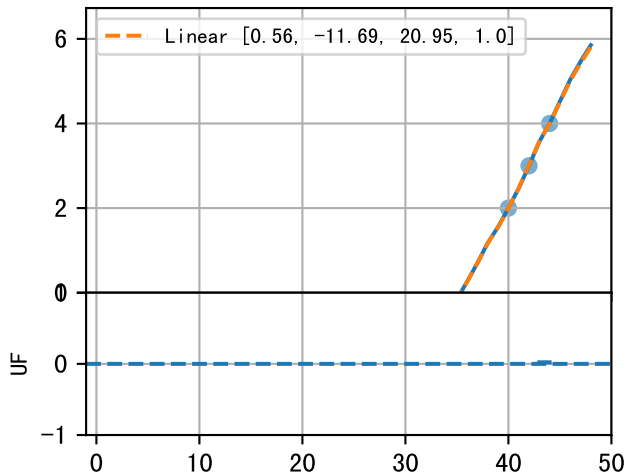




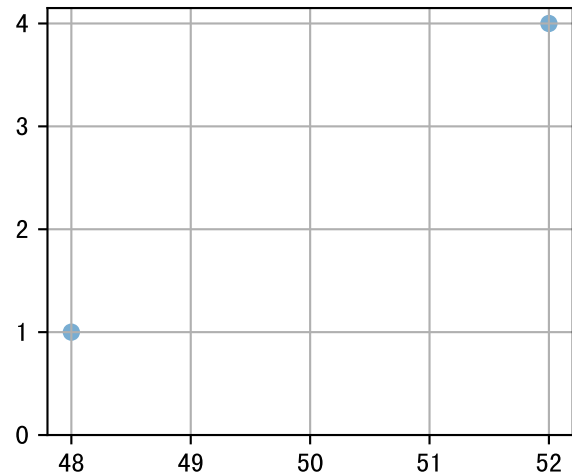
P10AW-054-10T1



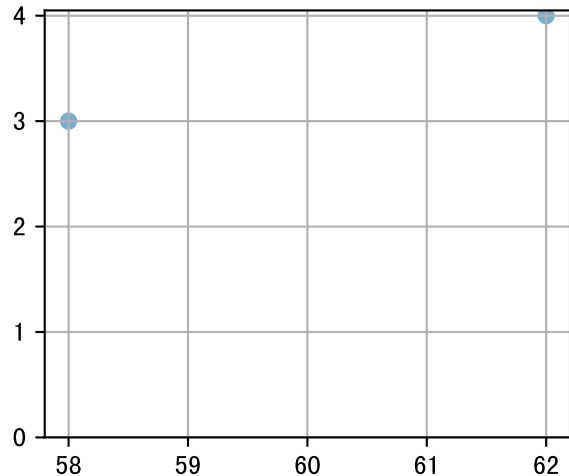
P10AW-054-10T2



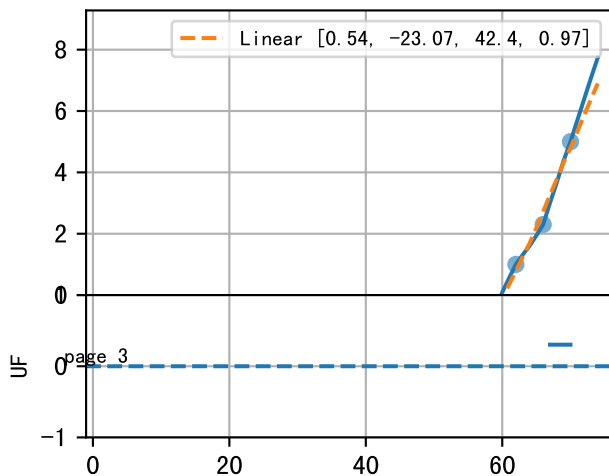
P10AW-054-10T3 (fit failed)



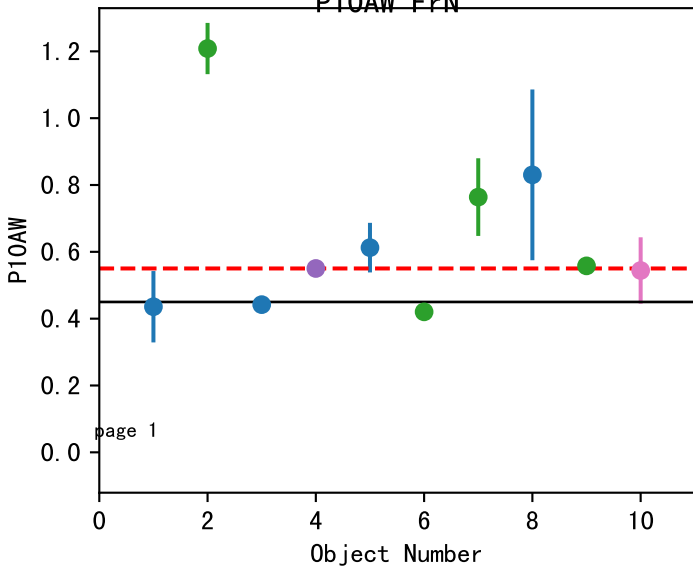
P10AW-054-10T4 (fit failed)



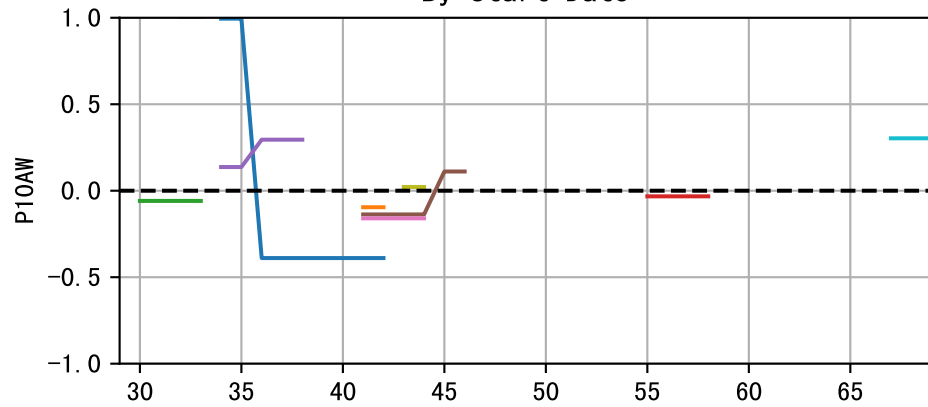
P10AW-054-10T5



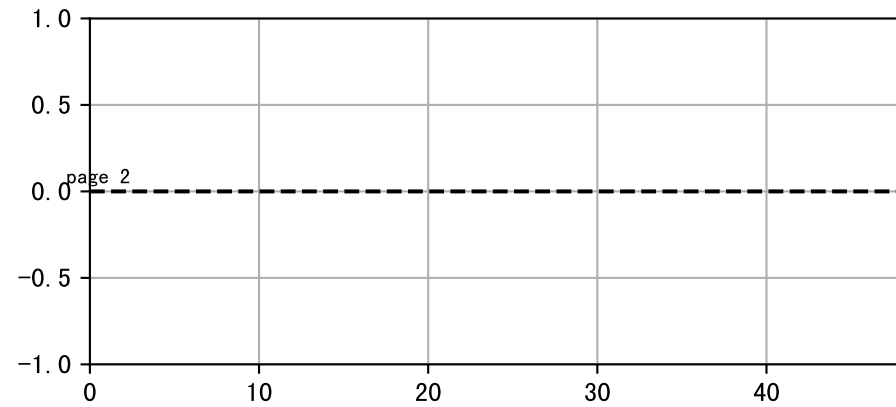
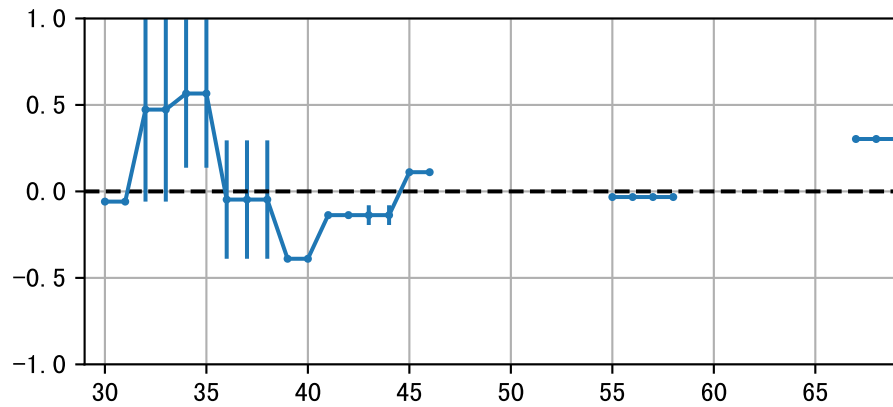
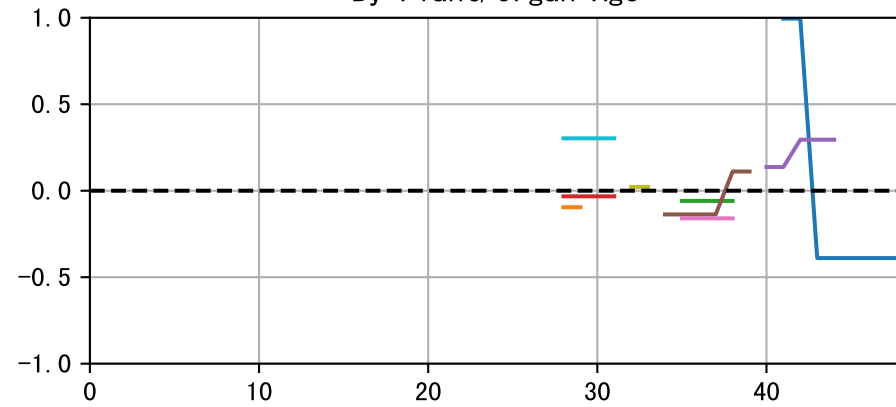
a (Def=0.45 Set=0.55)
avg1=0.55~26% avg2=na

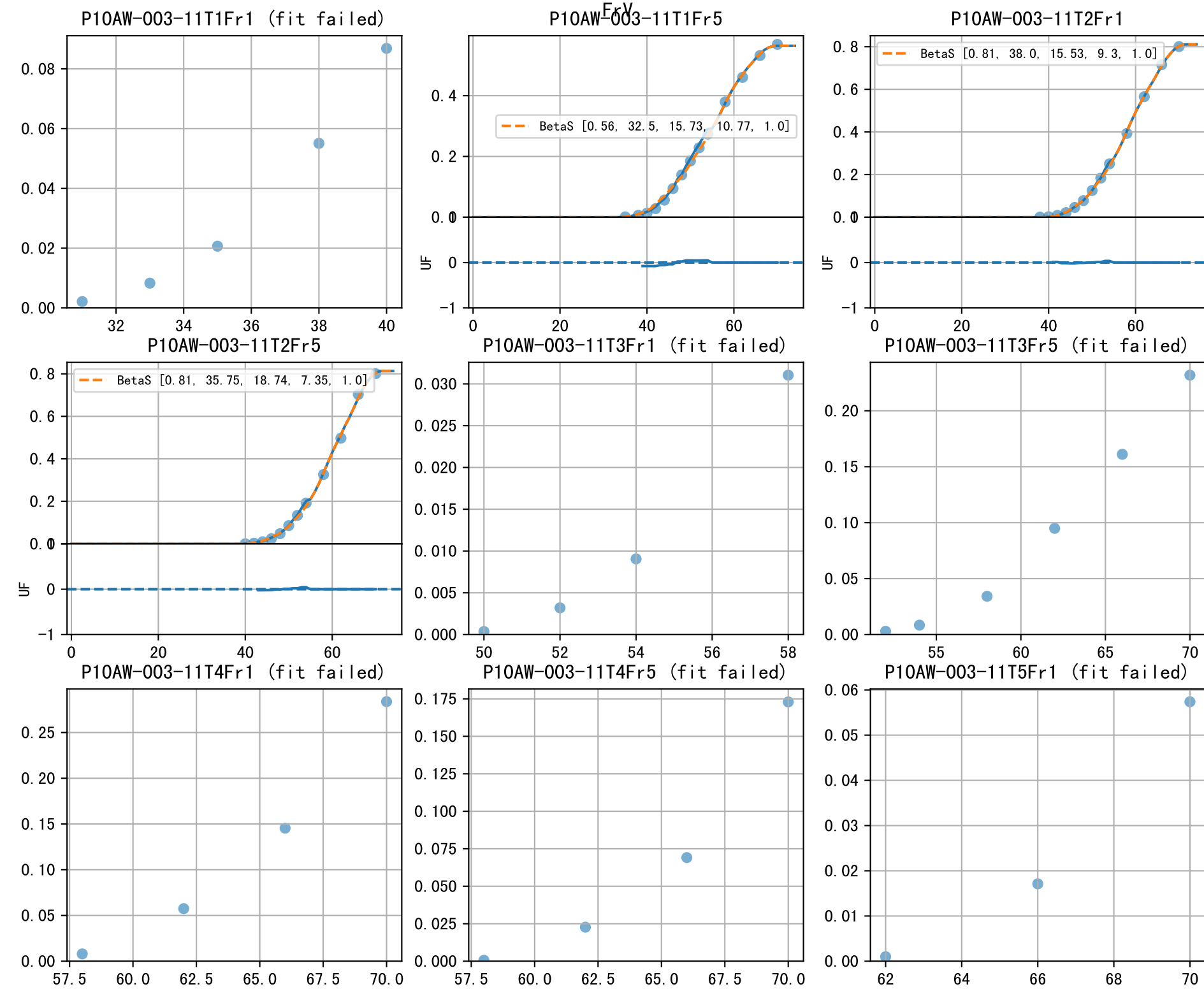


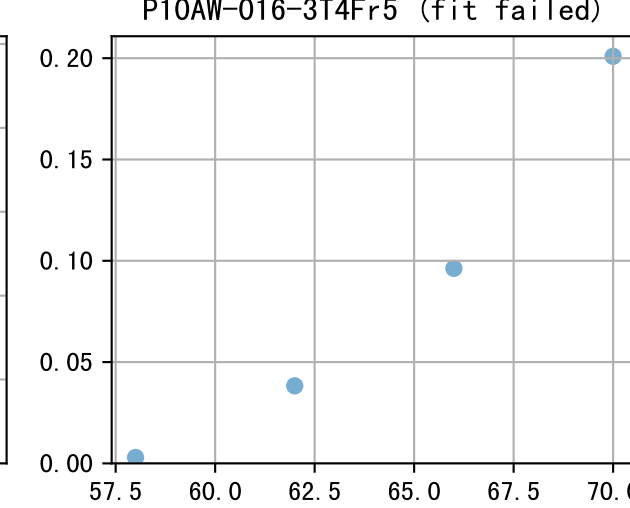
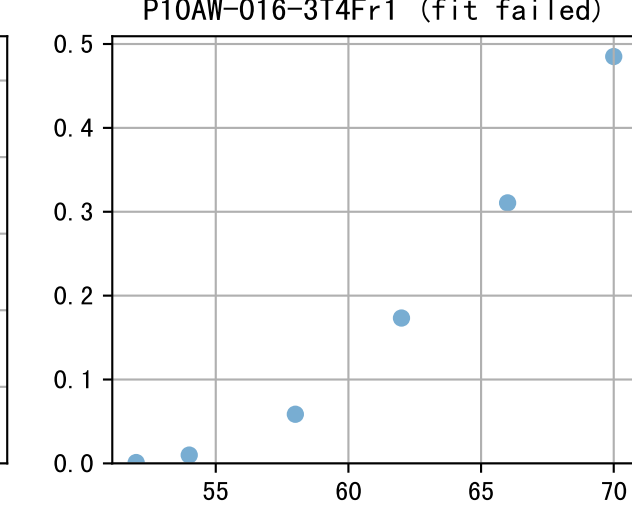
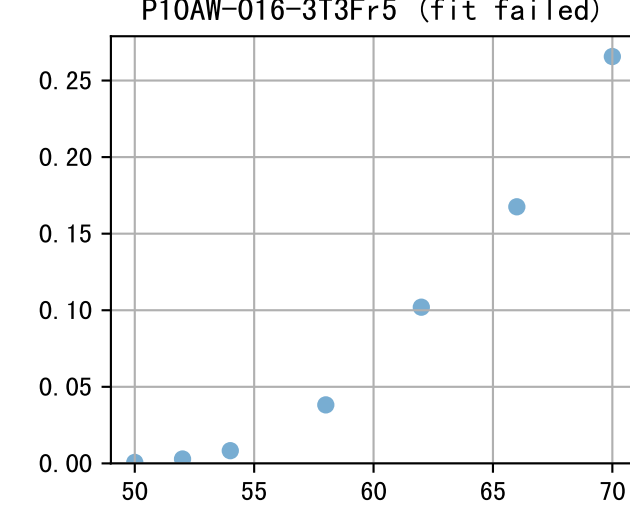
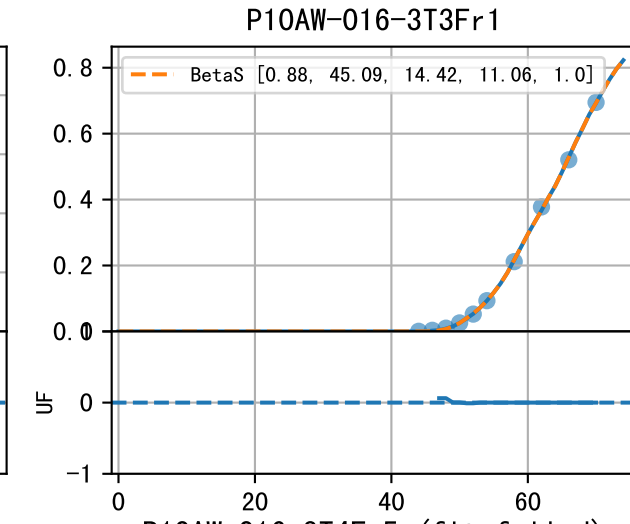
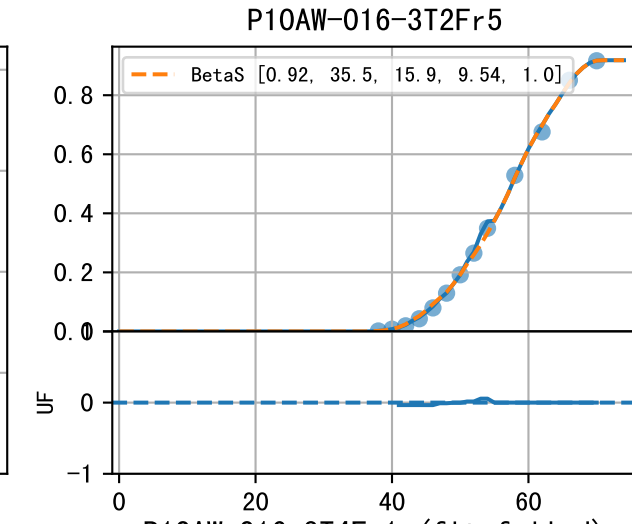
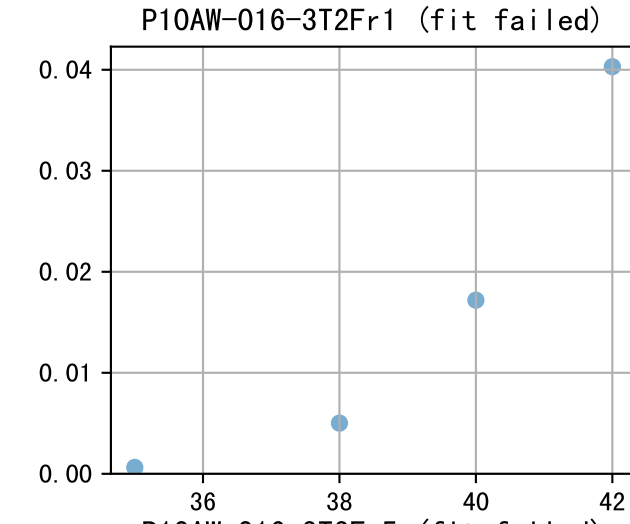
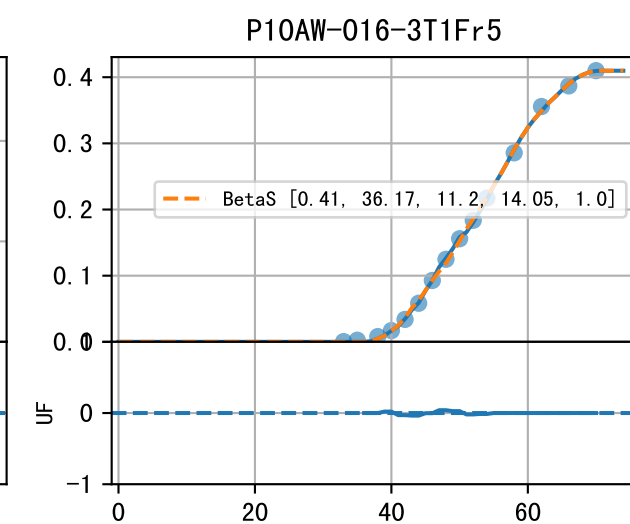
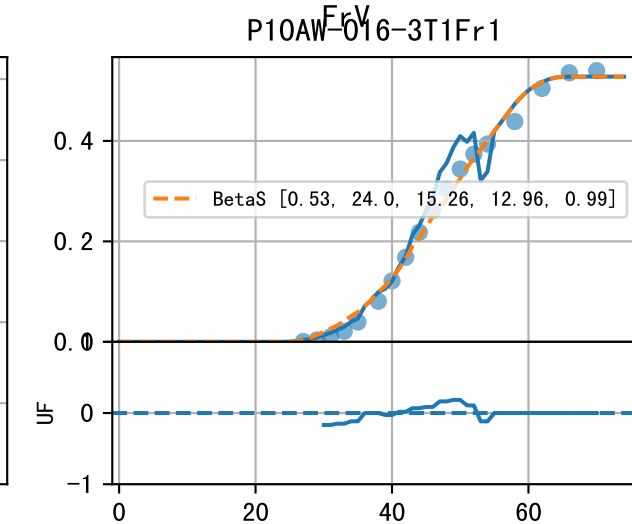
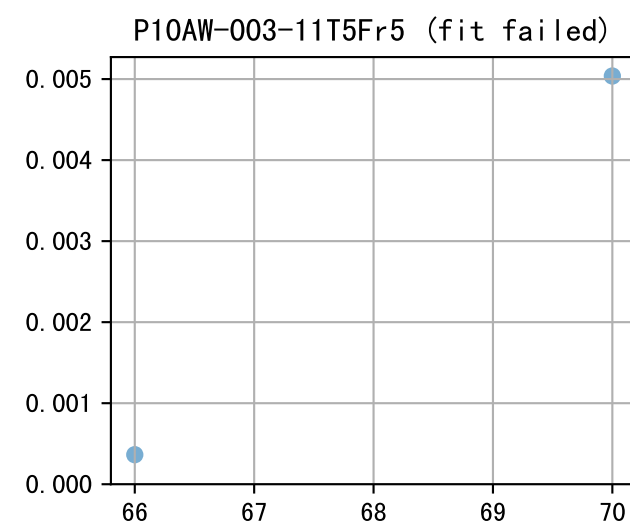
By Start Date



By Plant/Organ Age

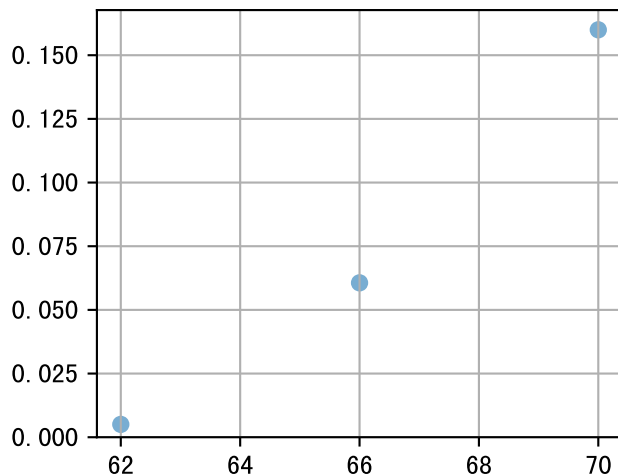




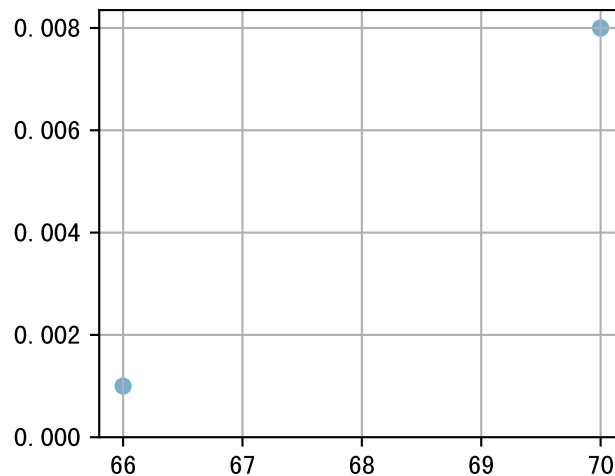


FrV

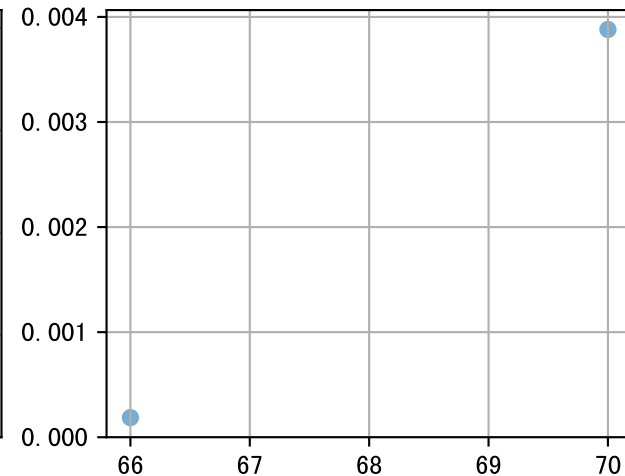
P10AW-016-3T5Fr1 (fit failed)



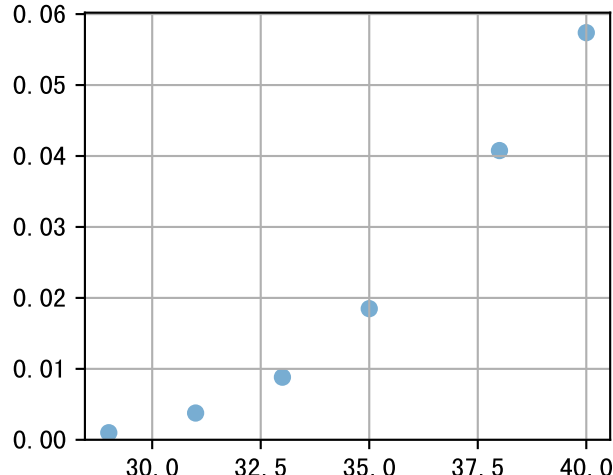
P10AW-016-3T5Fr5 (fit failed)



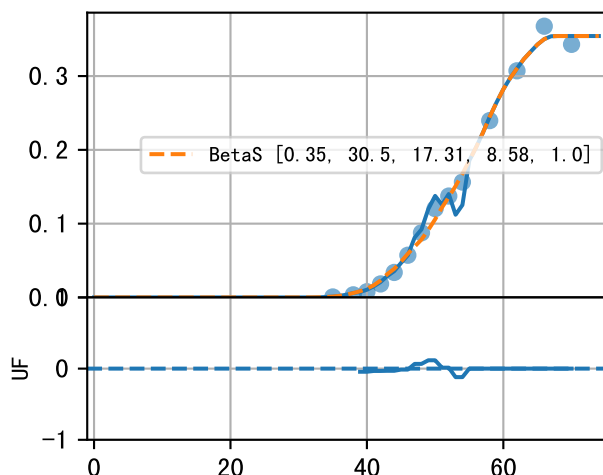
P10AW-016-3T6Fr1 (fit failed)



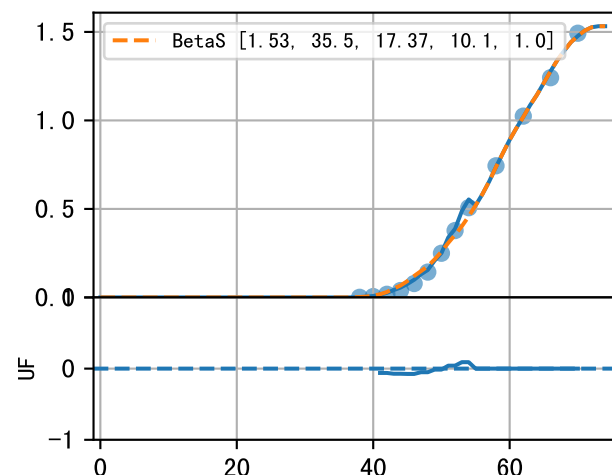
P10AW-029-30T1Fr1 (fit failed)



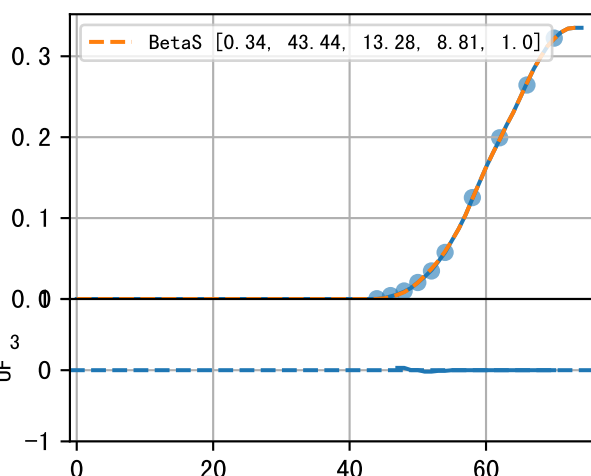
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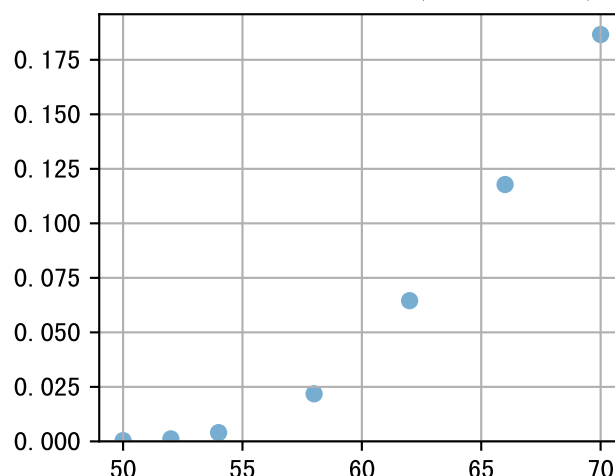
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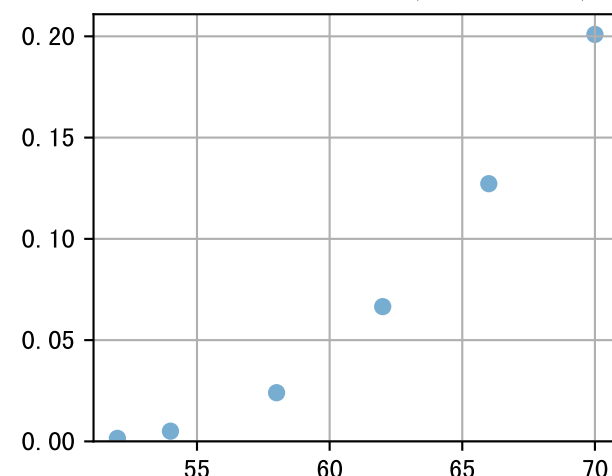
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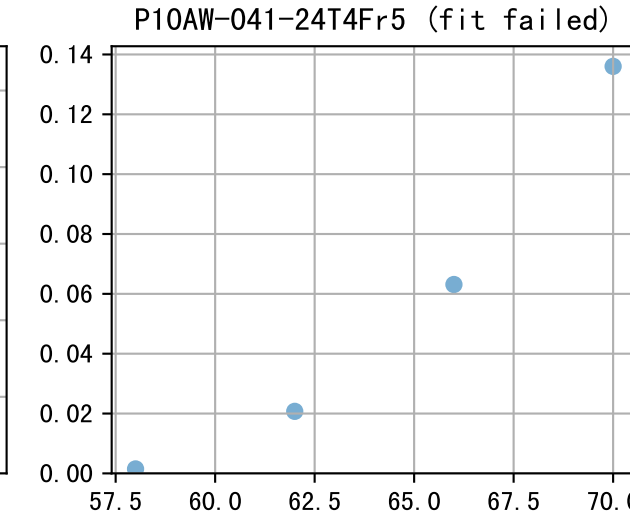
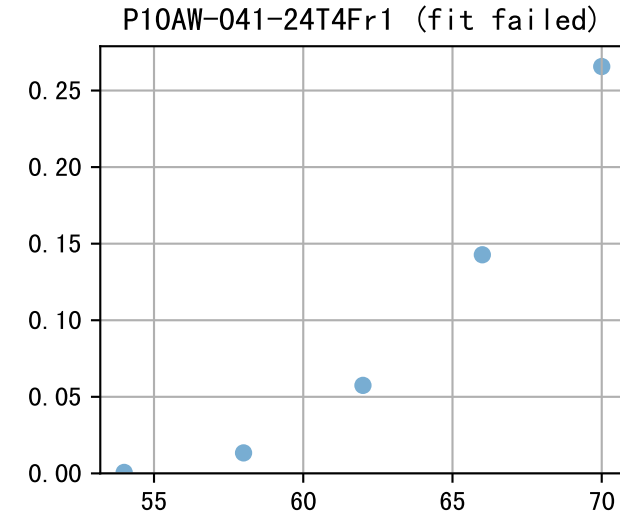
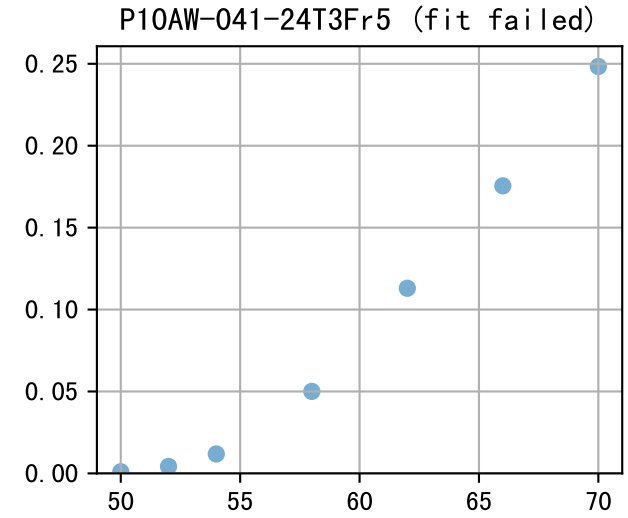
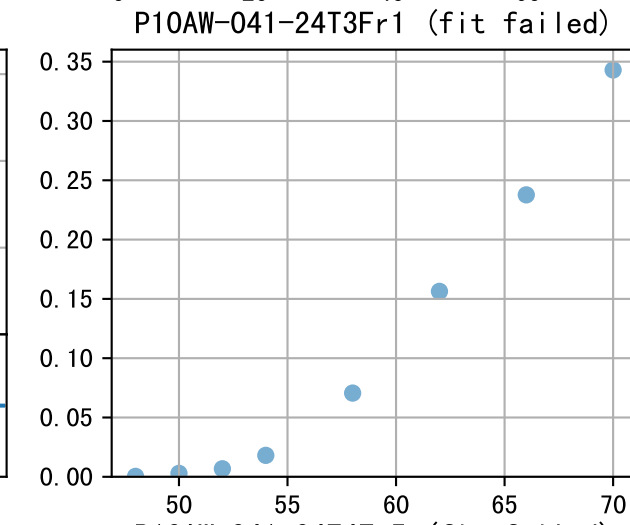
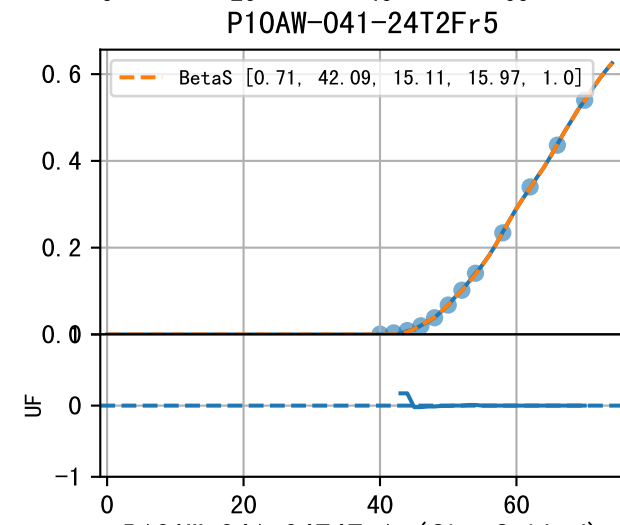
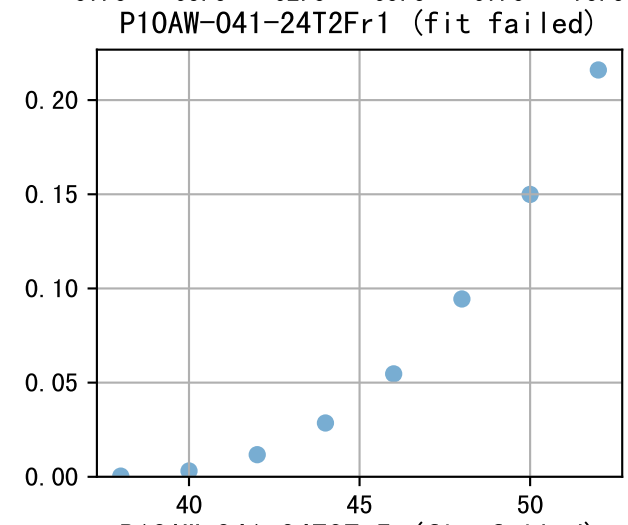
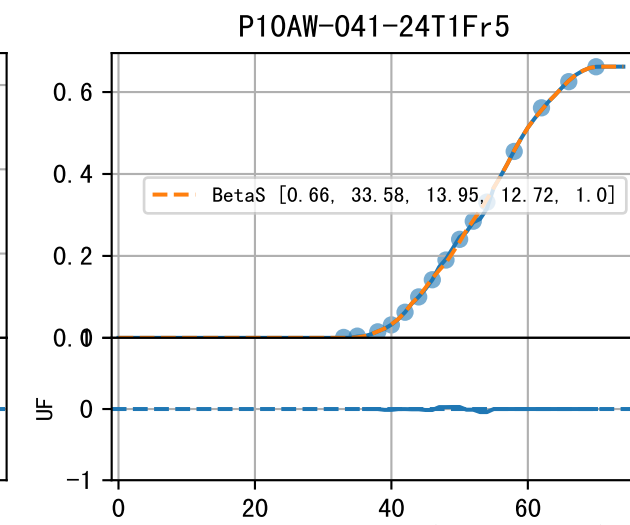
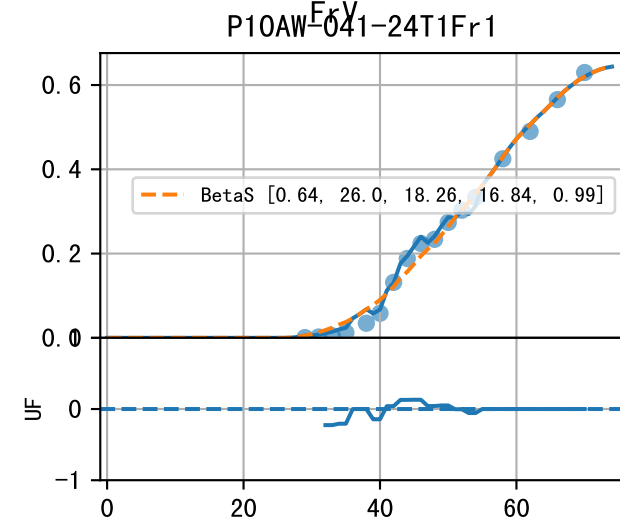
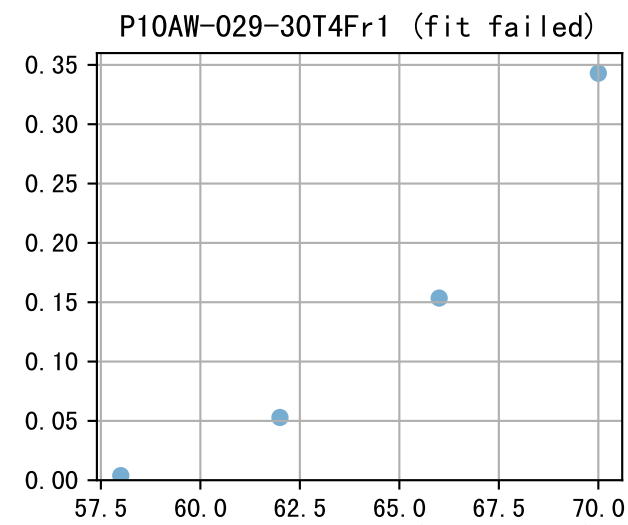


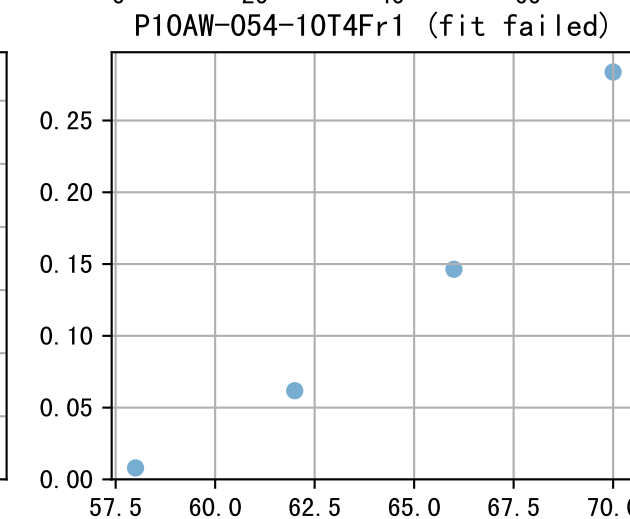
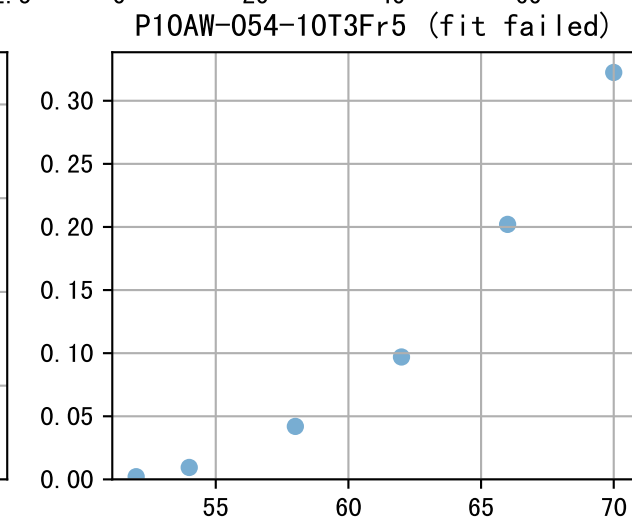
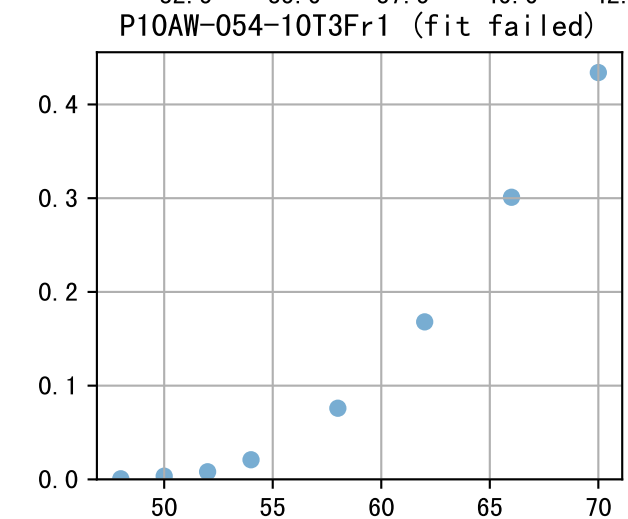
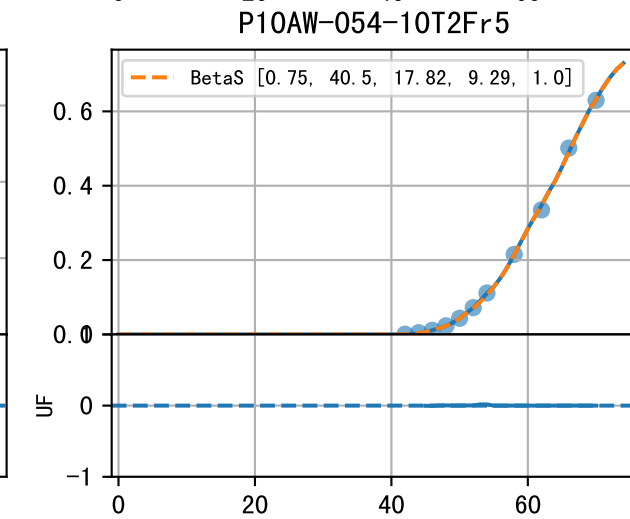
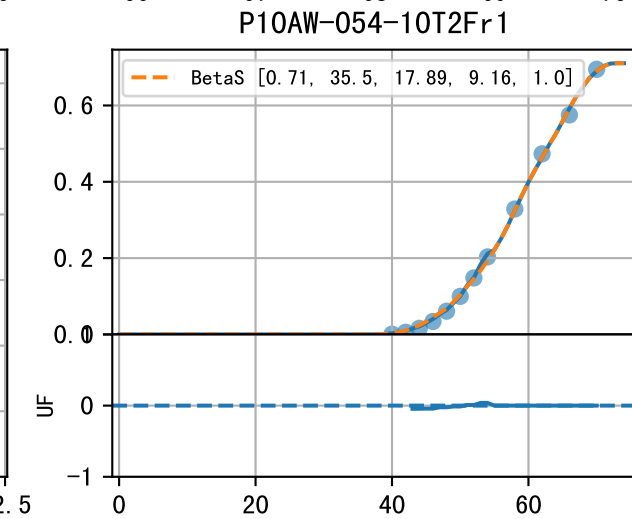
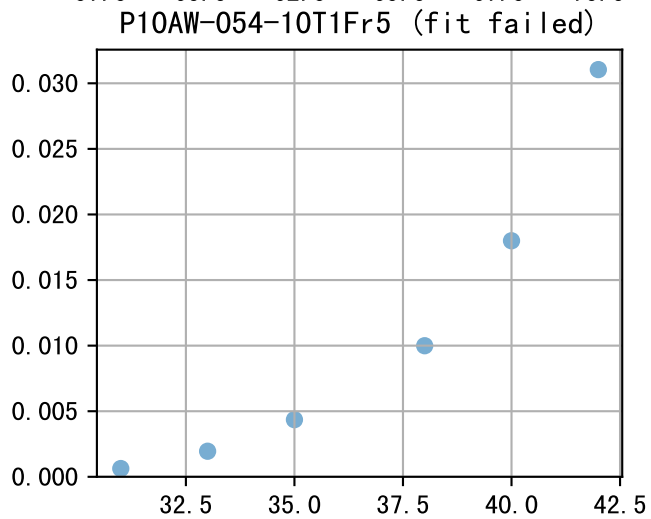
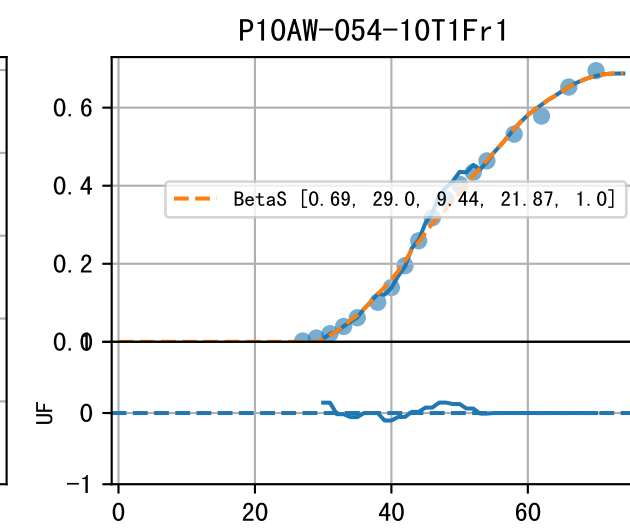
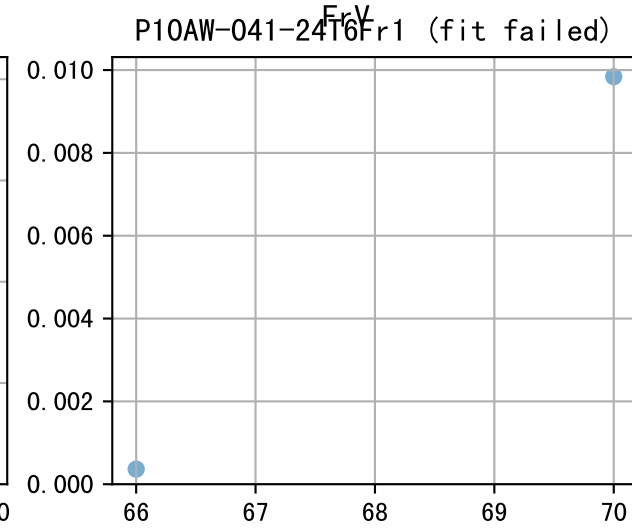
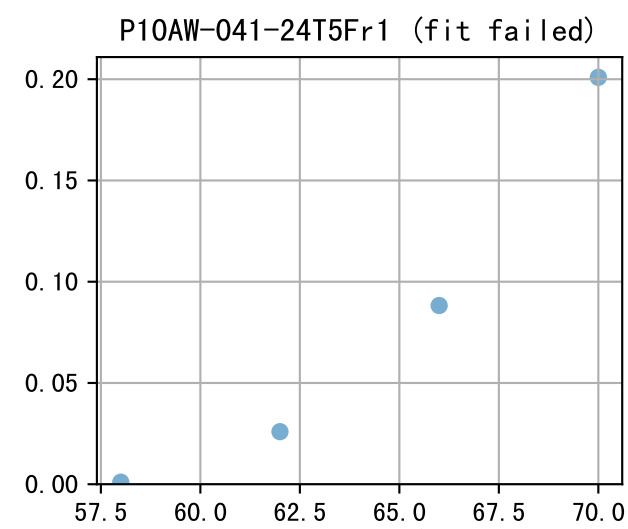
P10AW-029-30T3Fr1 (fit failed)



P10AW-029-30T3Fr5 (fit failed)







P10AW-054-10T4Fr5 (fit failed)



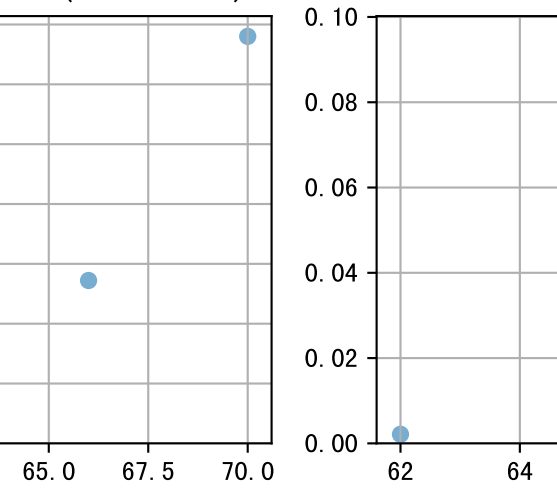
P10AW-054-10T5Fr1 (fit failed)

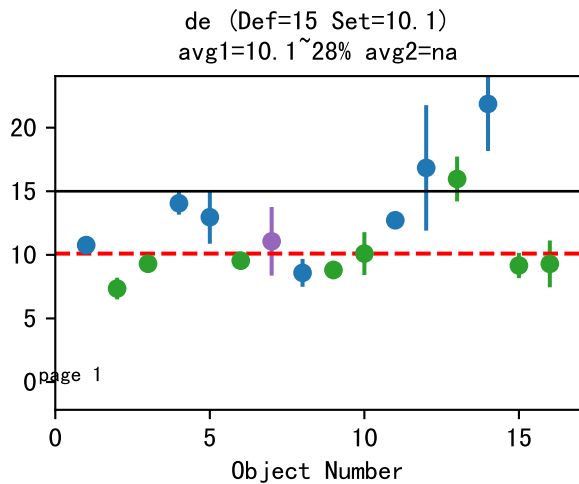
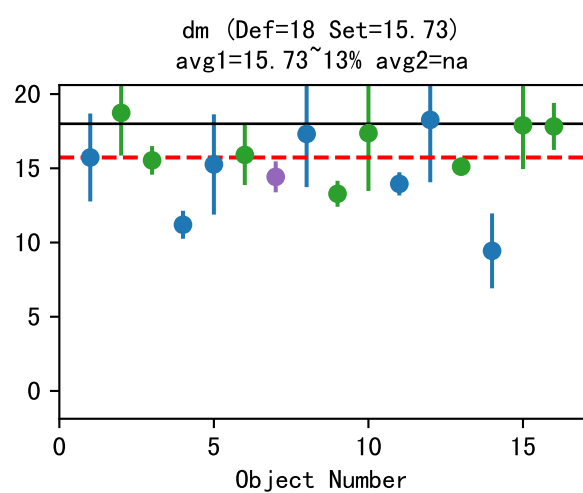
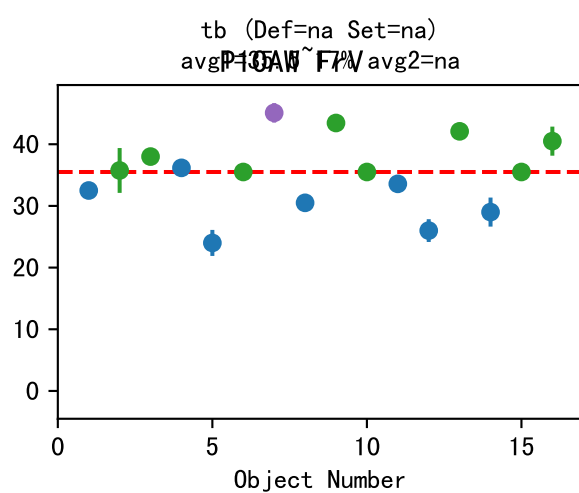
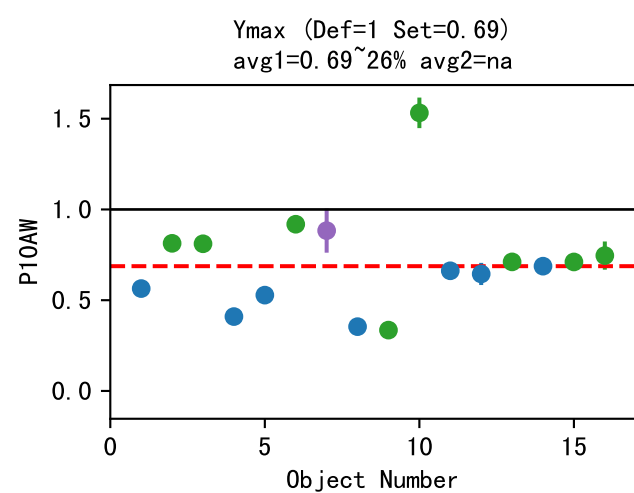


P10AW-054-10T4Fr5 (fit failed)

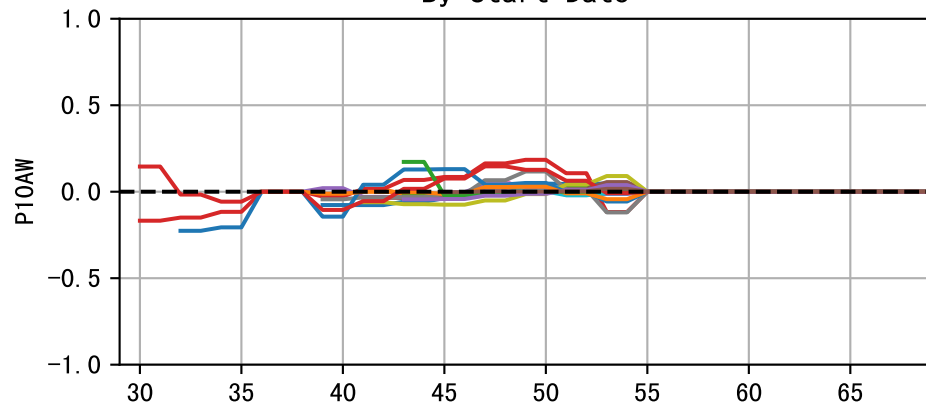


P10AW-054-10T5Fr1 (fit failed)

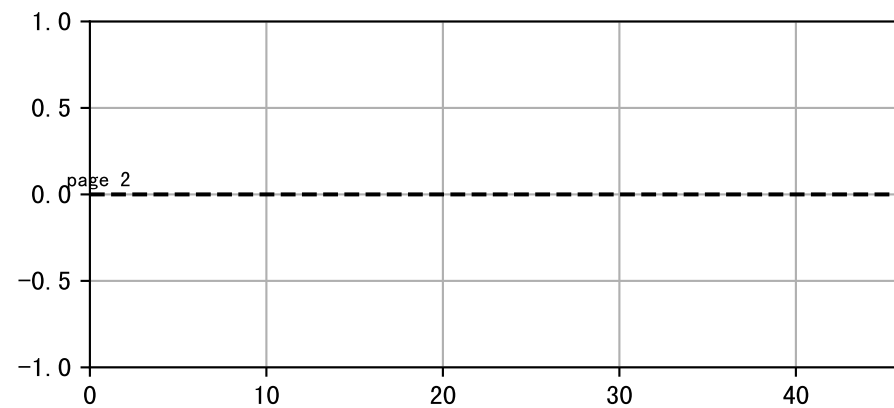
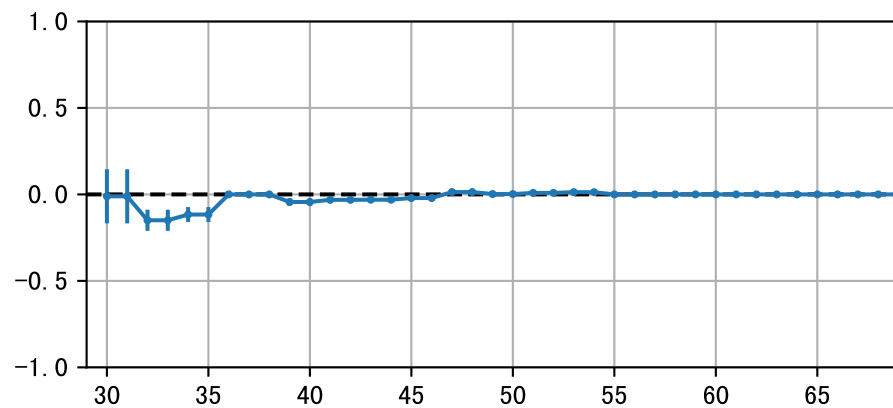
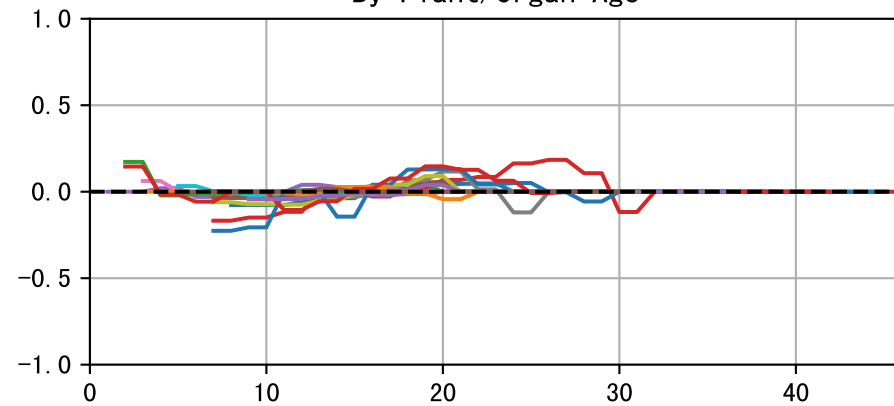




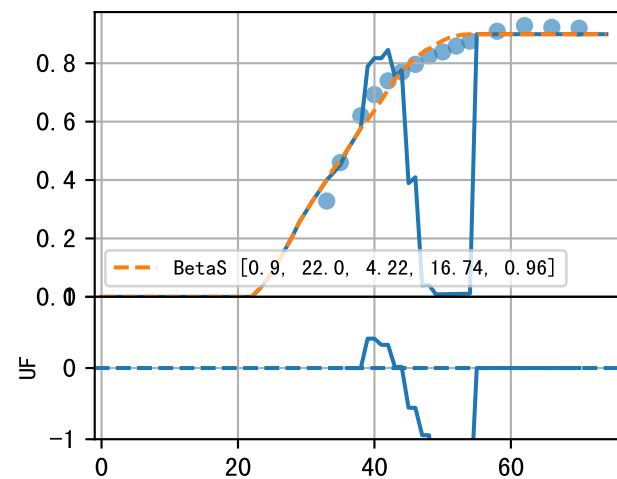
By Start Date



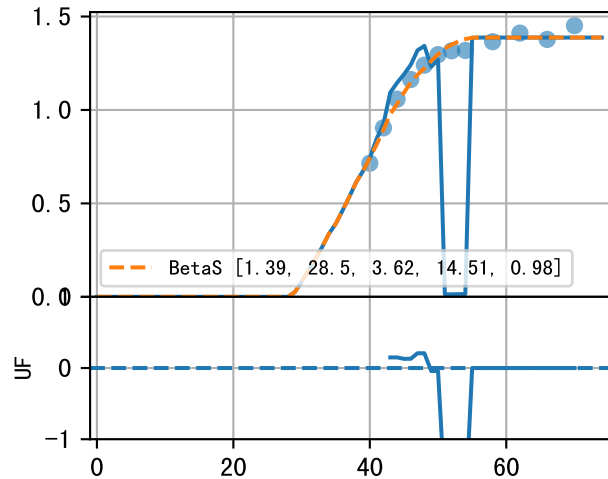
By Plant/Organ Age



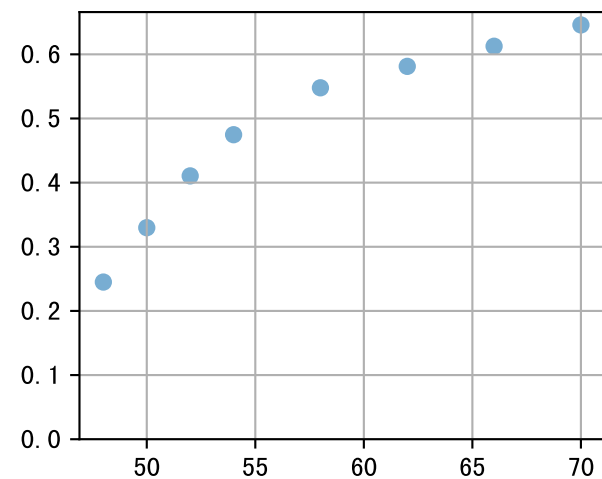
P10AW-003-11L11 (fit failed)



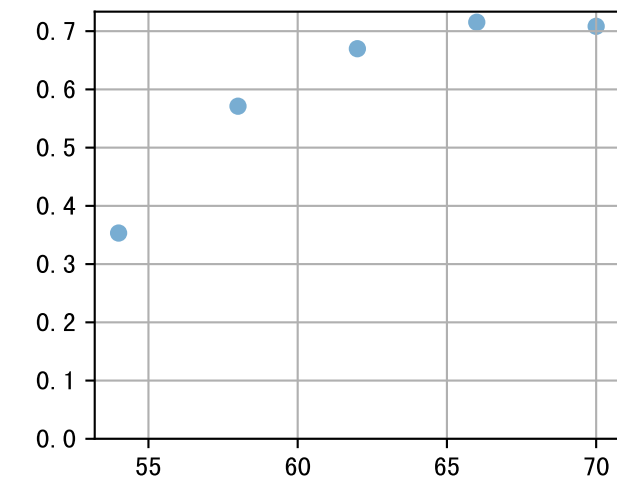
P10AW-003-11L14 (fit failed)



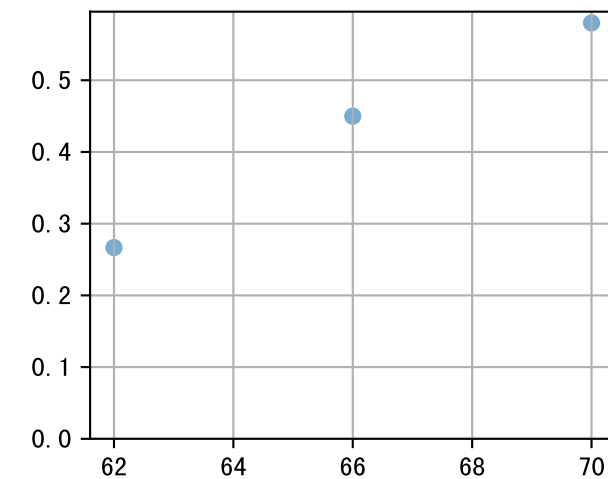
P10AW-003-11L17 (fit failed)



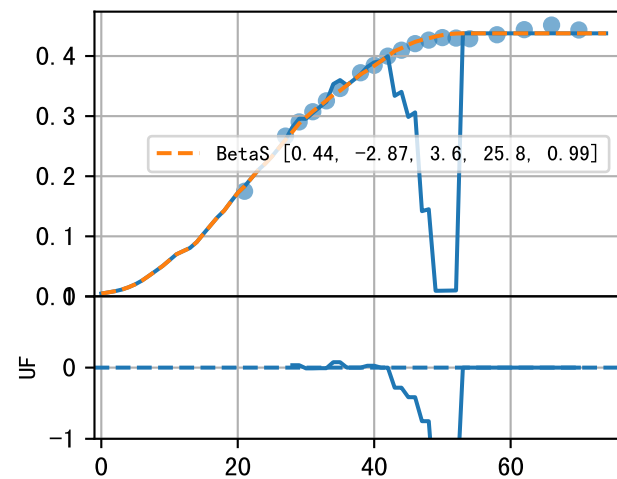
P10AW-003-11L20 (fit failed)



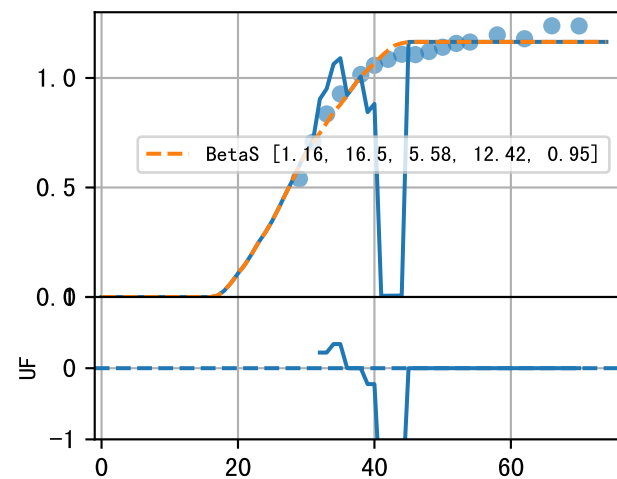
P10AW-003-11L23 (fit failed)



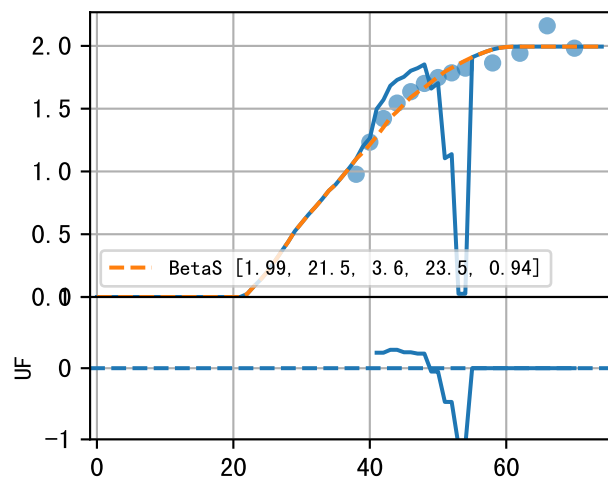
P10AW-003-11L6 (fit failed)



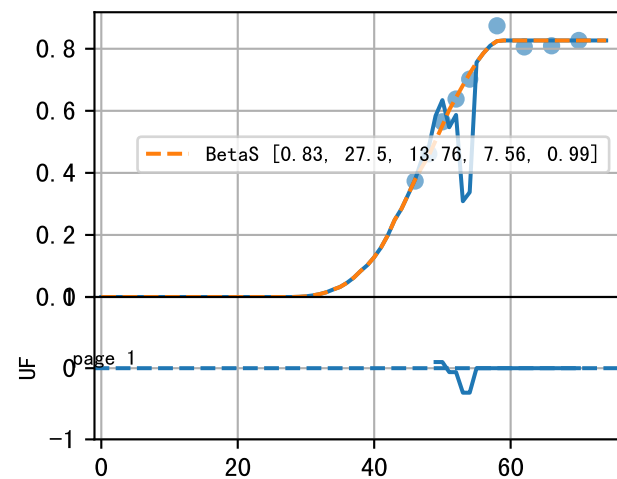
P10AW-016-3L10



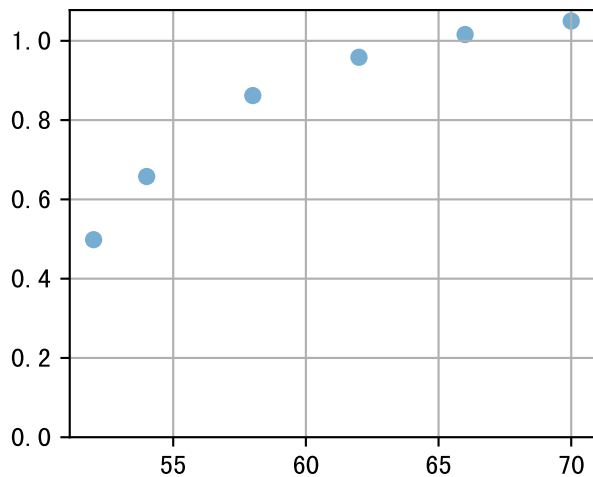
P10AW-016-3L13 (fit failed)



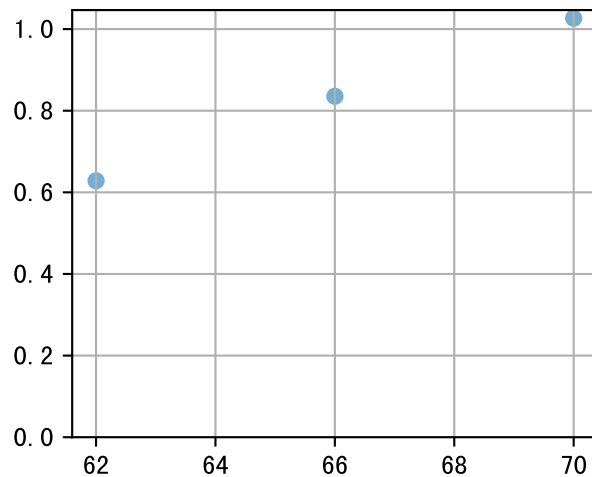
P10AW-016-3L16 (fit failed)



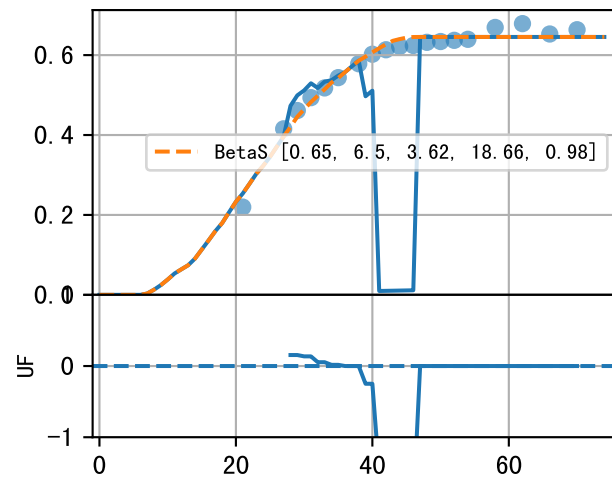
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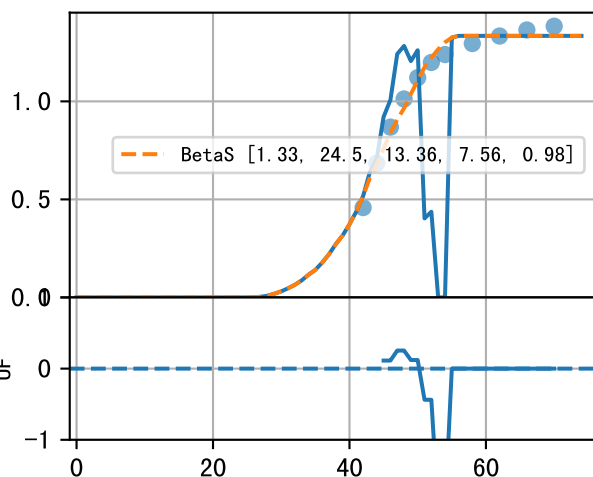
P10AW-016-3L22 (fit failed)



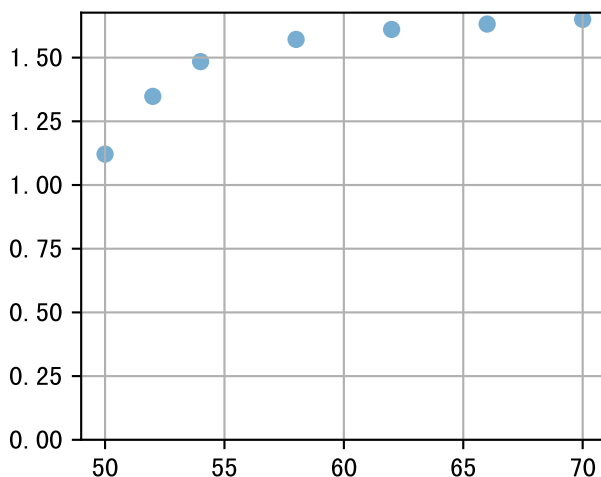
P10AW-016-3L7 (fit failed)



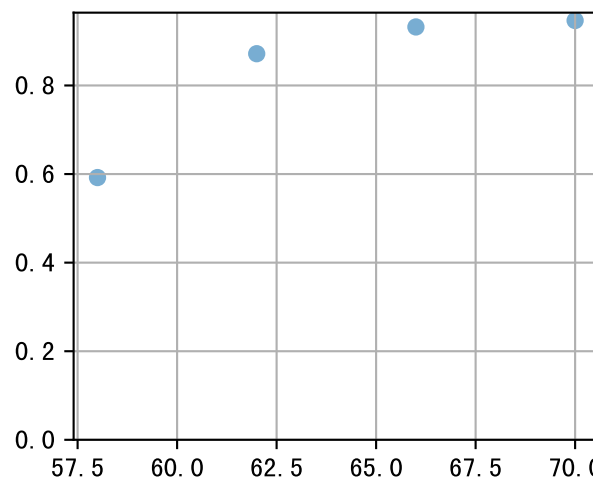
P10AW-029-30L12



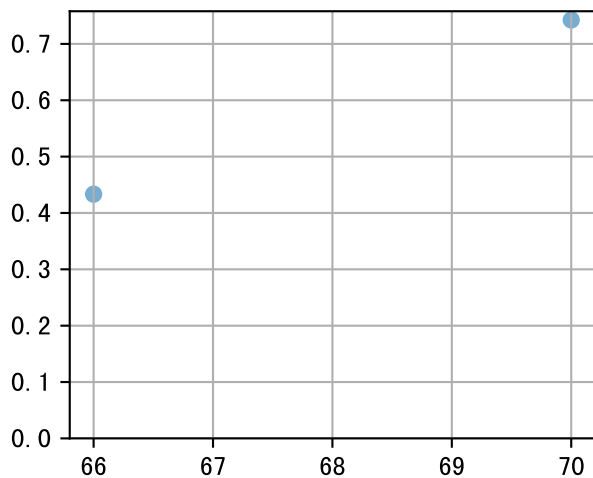
P10AW-029-30L15 (fit failed)



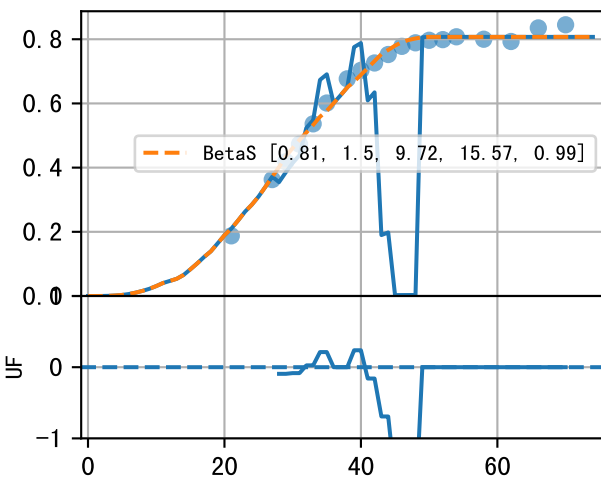
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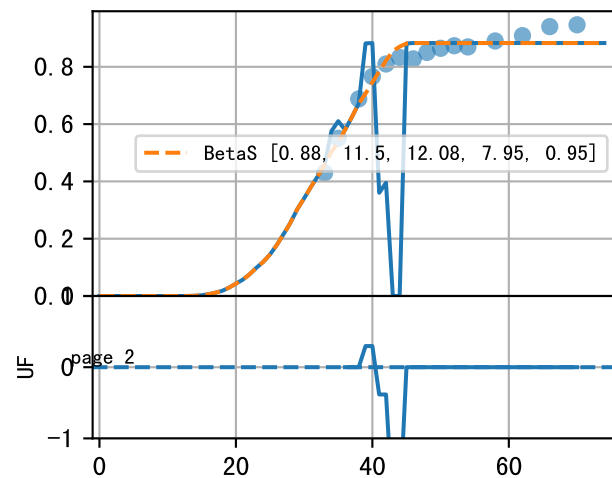
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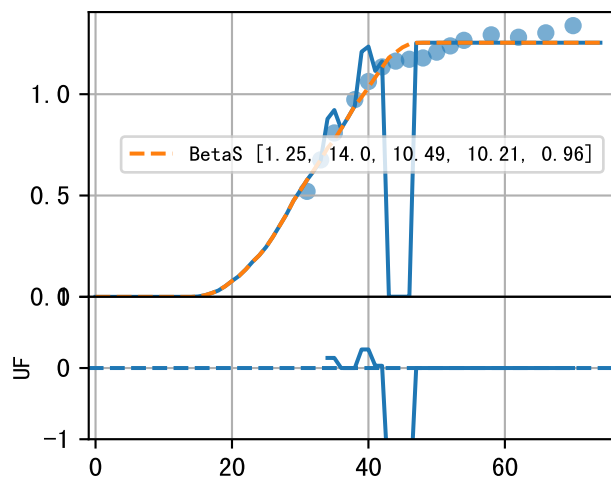
P10AW-029-30L6 (fit failed)



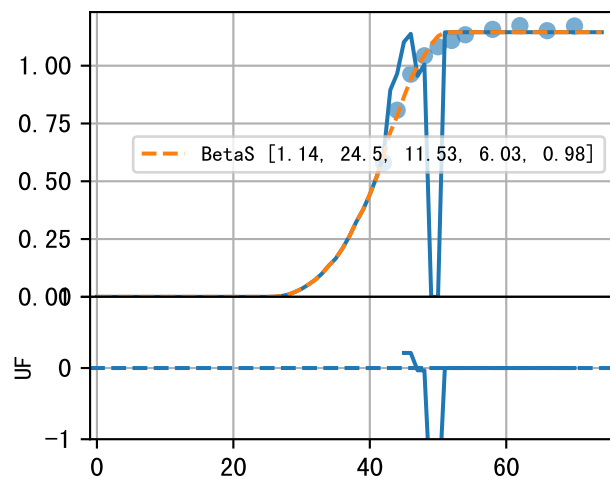
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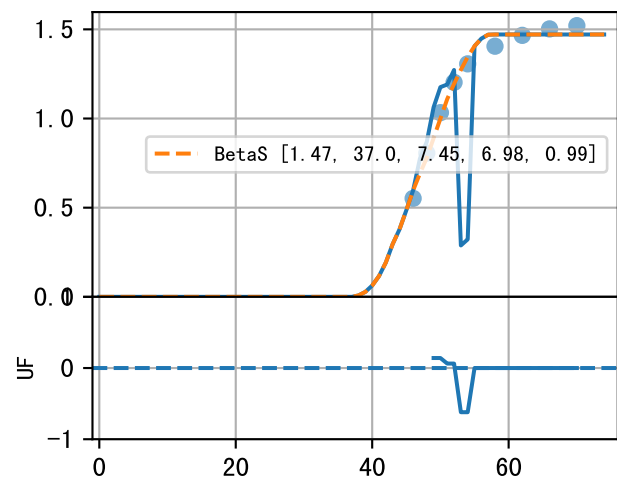
P10AW-041-24L10 (fit failed)



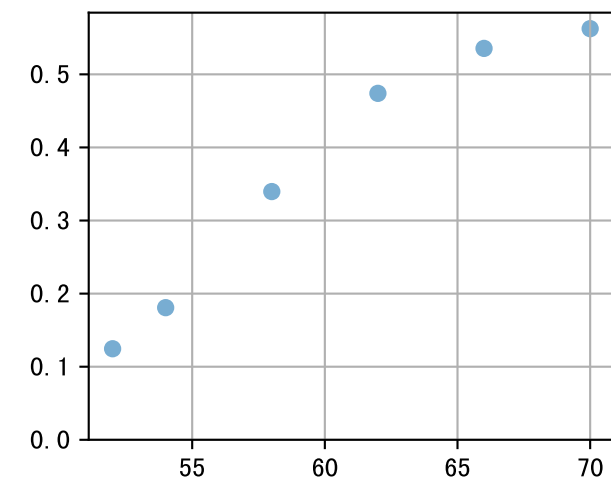
P10AW-041-24L13



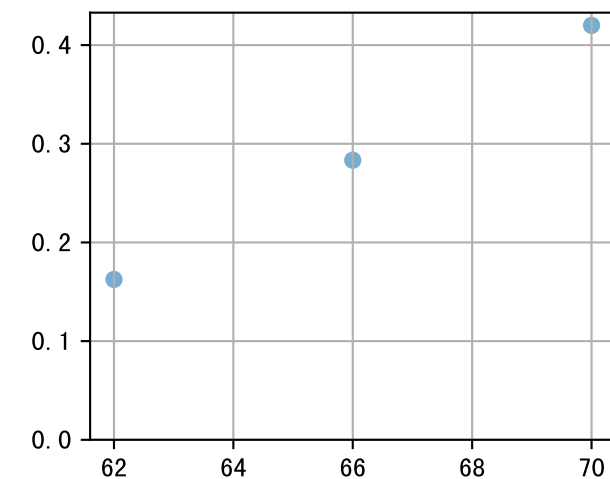
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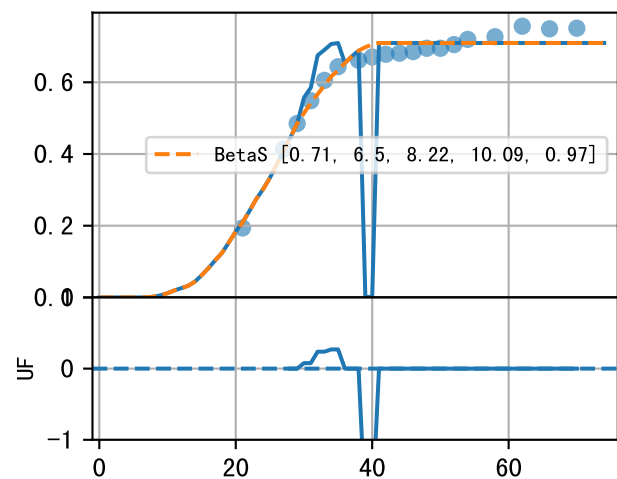
P10AW-041-24L19 (fit failed)



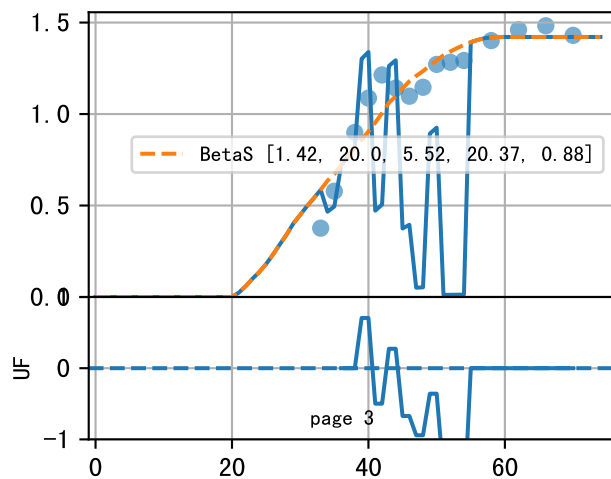
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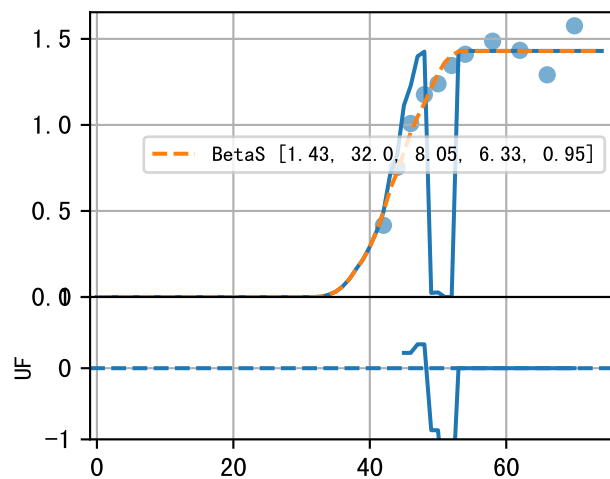
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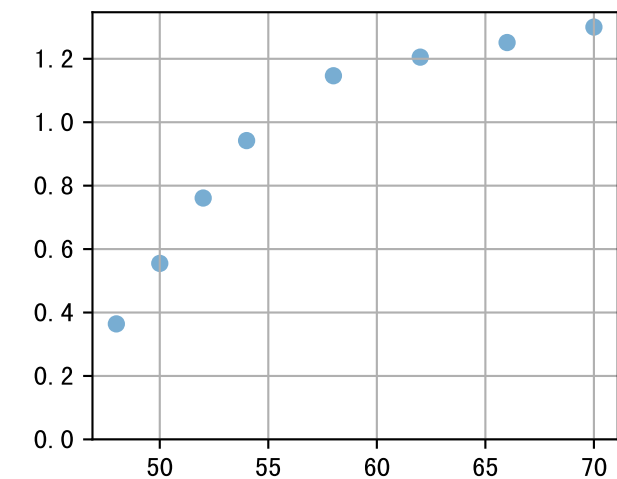
P10AW-054-10L10 (fit failed)



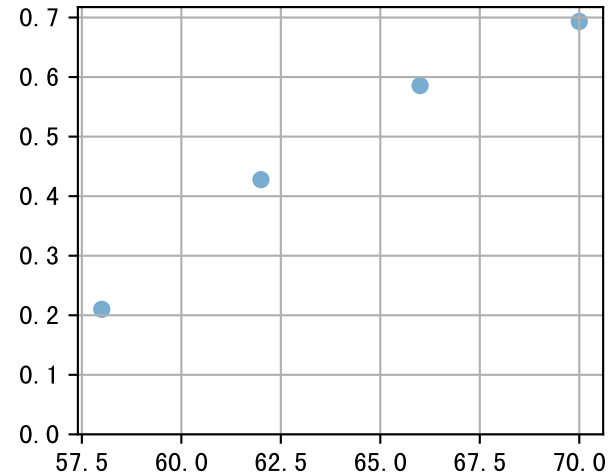
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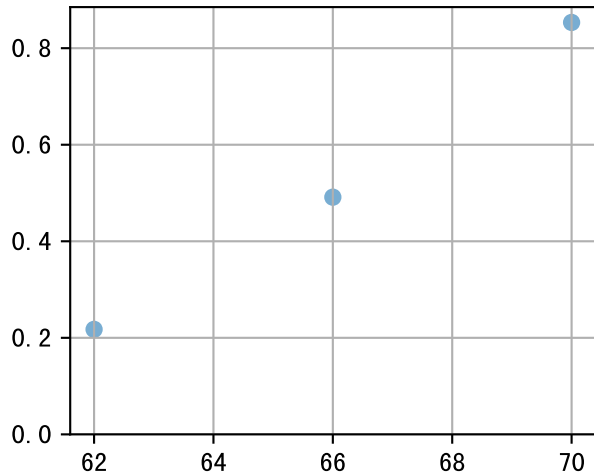
P10AW-054-10L17 (fit failed)



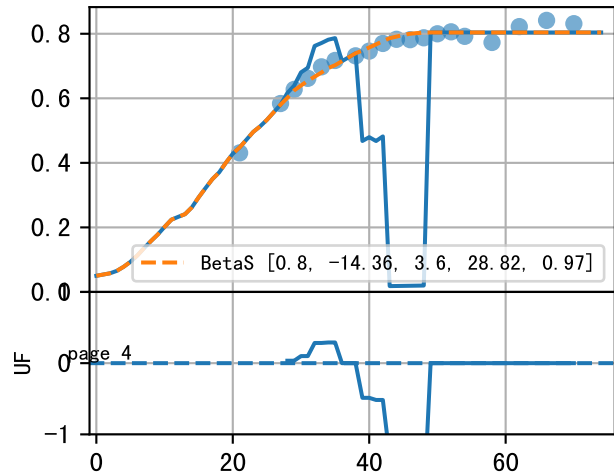
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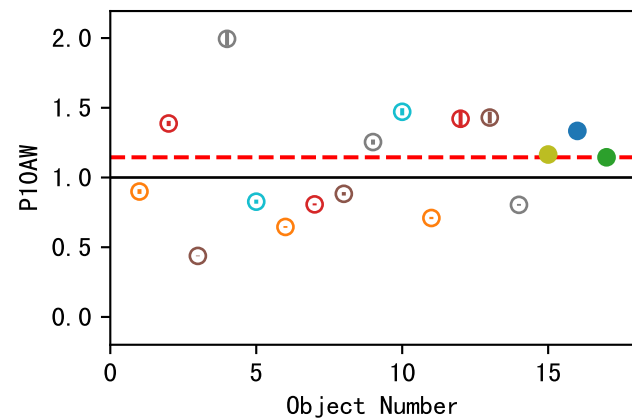
P10AW-054-10L23 (fit failed)



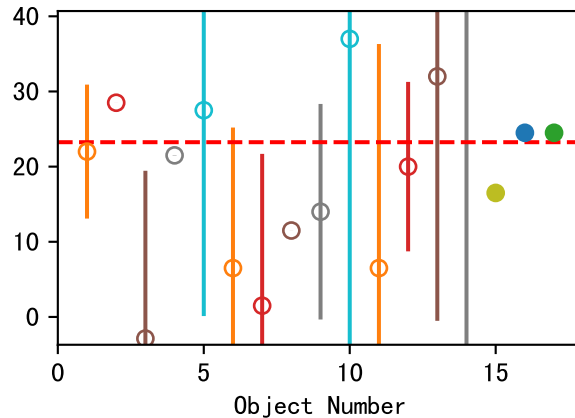
P10AW-054-10L6 (fit failed)



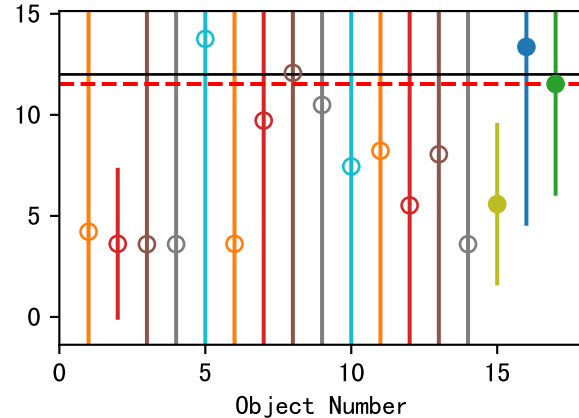
Ymax (Def=1 Set=1.14)
avg1=1.14~34% avg2=na



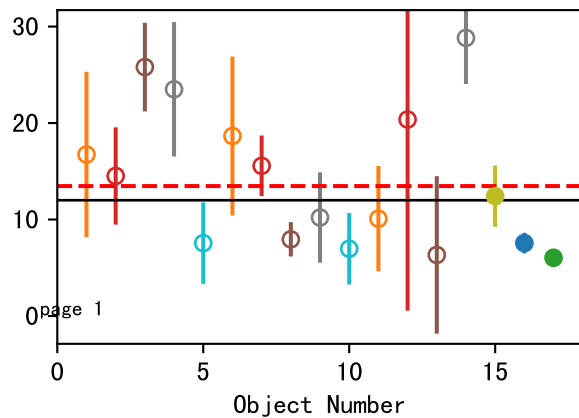
tb (Def=na Set=na)
avg1=20.15~17% avg2=na



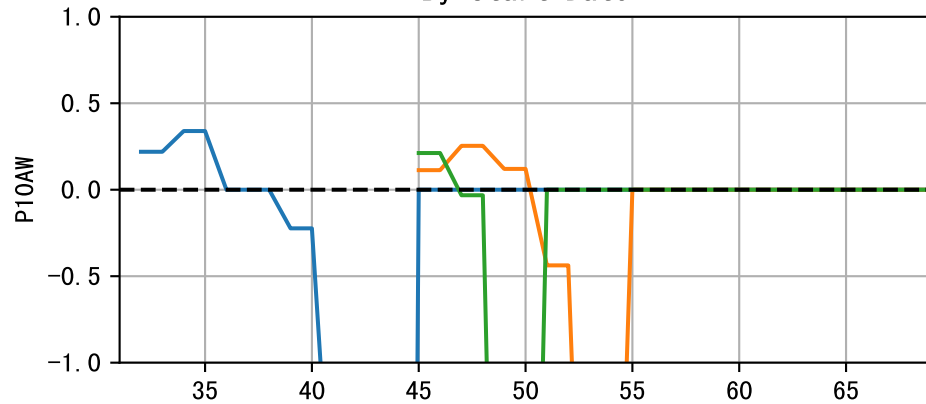
dm (Def=12 Set=12)
avg1=11.53~35% avg2=na



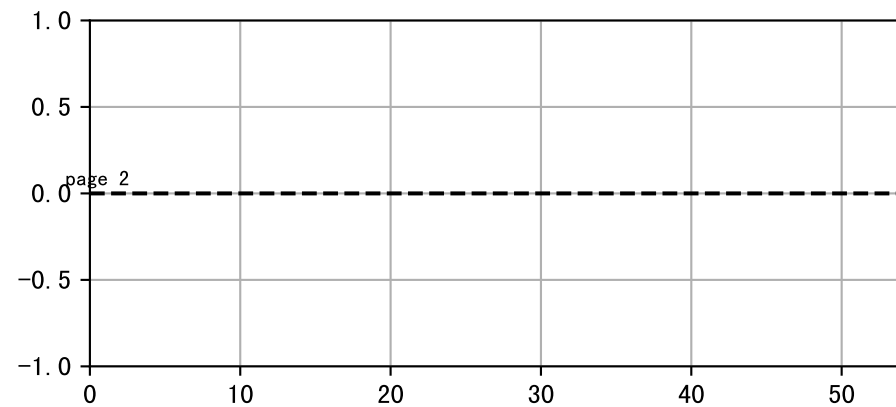
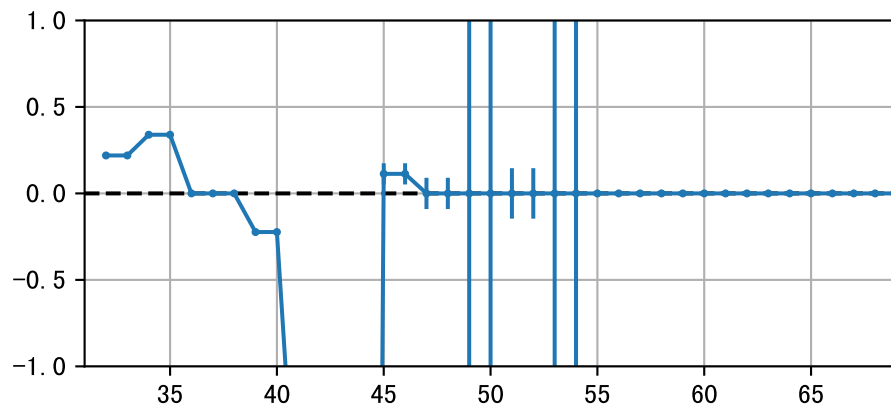
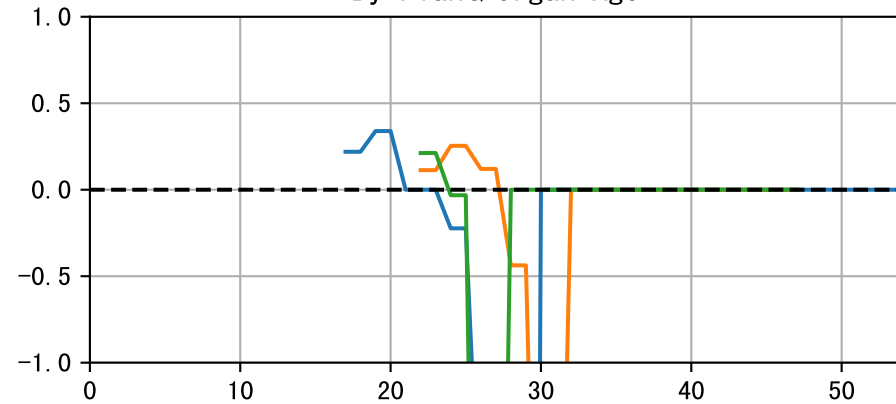
de (Def=12 Set=13.47)
avg1=13.47~54% avg2=na

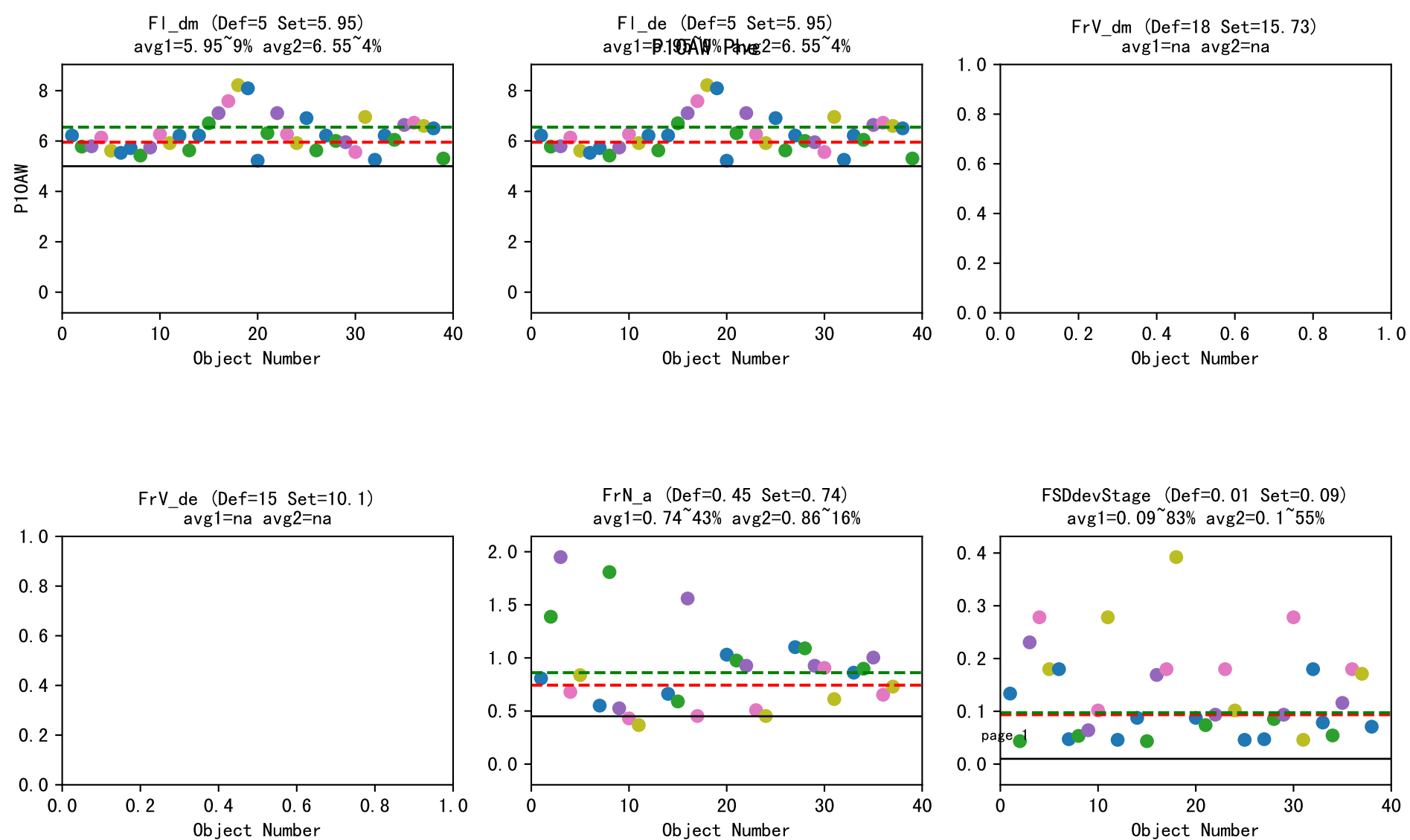


By Start Date

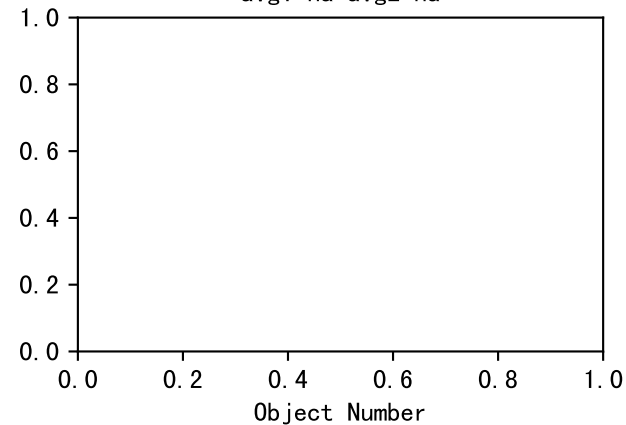


By Plant/Organ Age

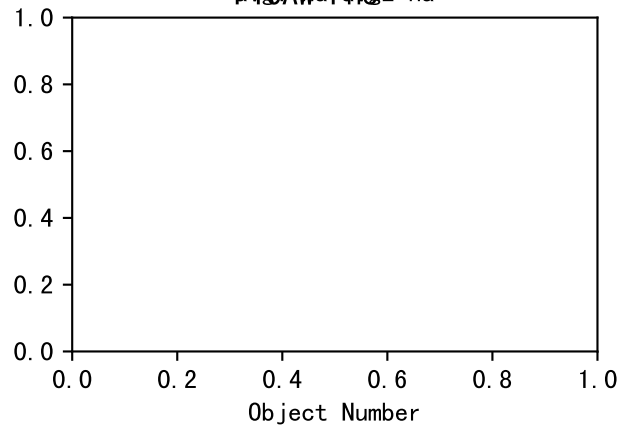




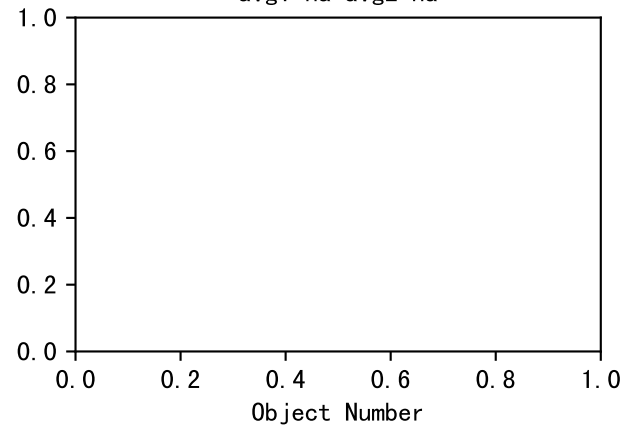
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



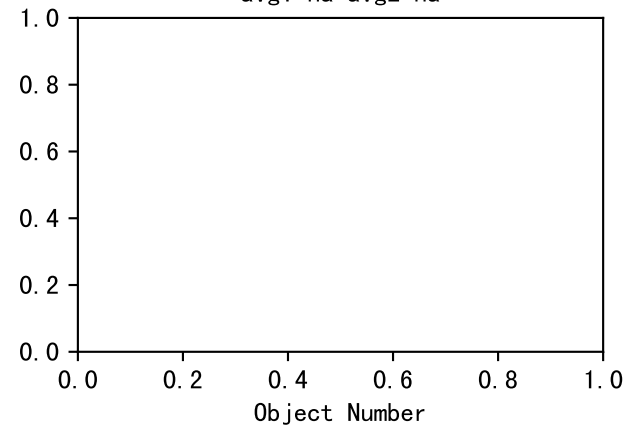
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



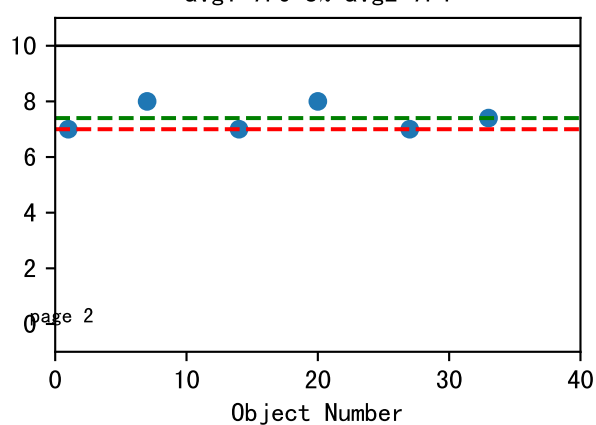
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

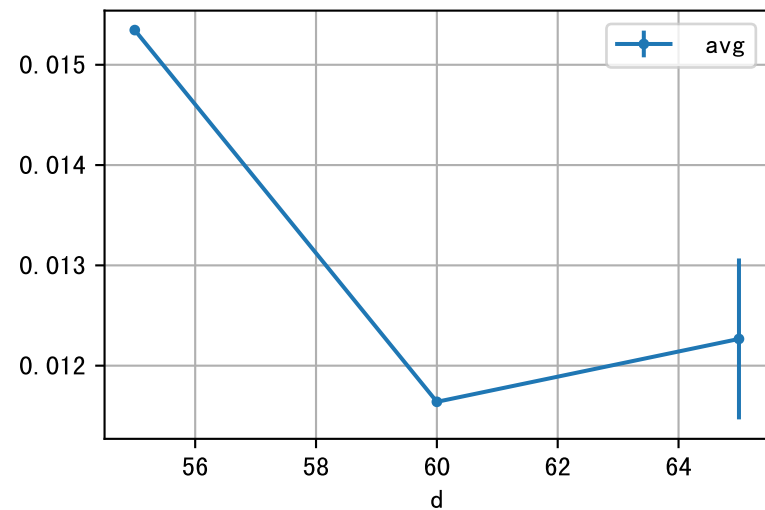


NNgen (Def=10 Set=7)
avg1=7.0~8% avg2=7.4

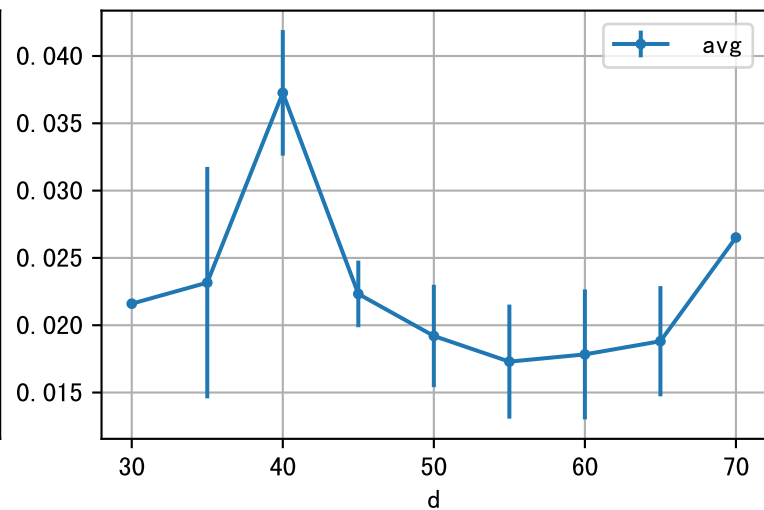


LfA: avg vs. d at each age group

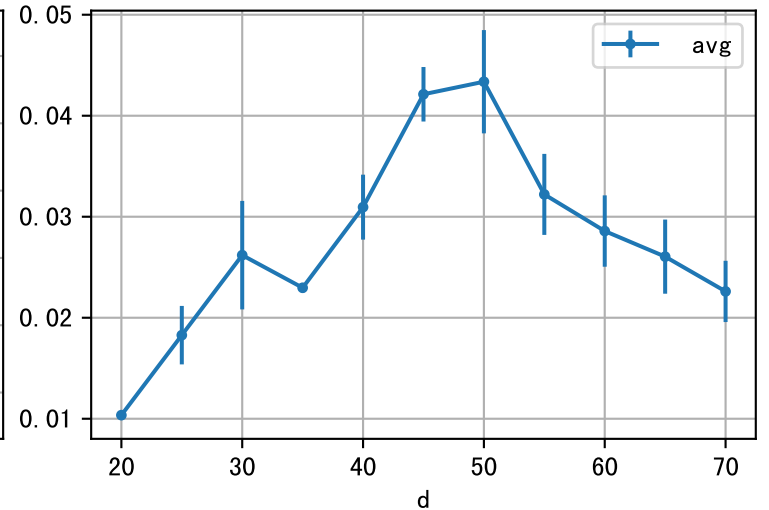
age=15



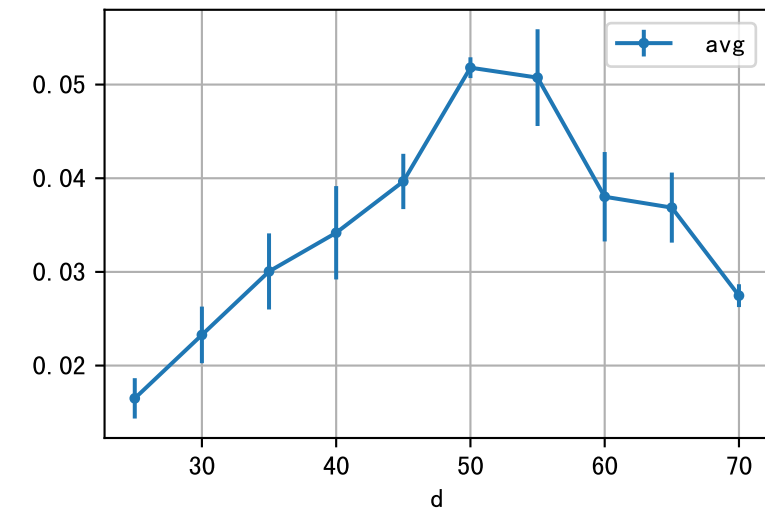
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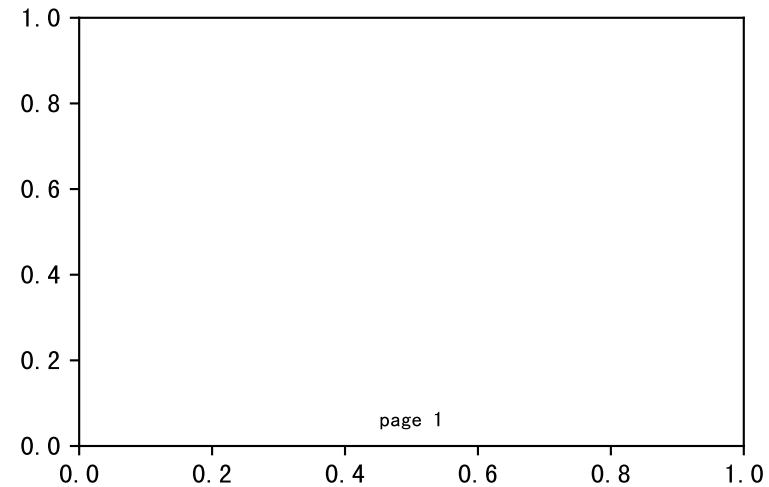
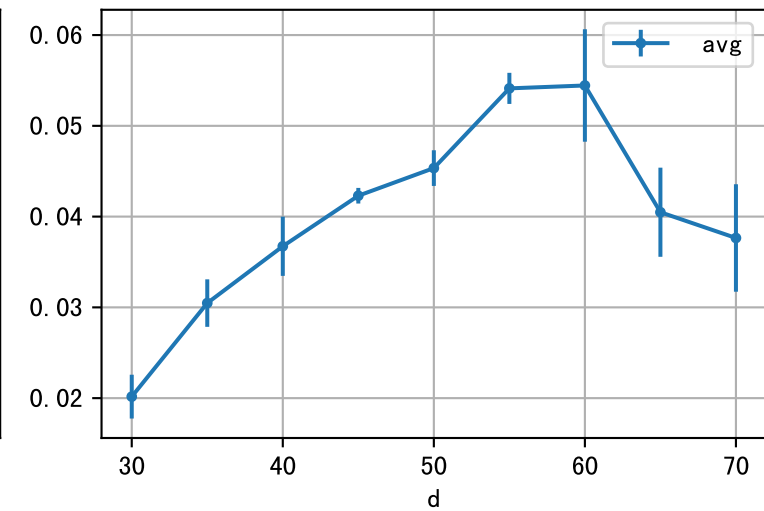
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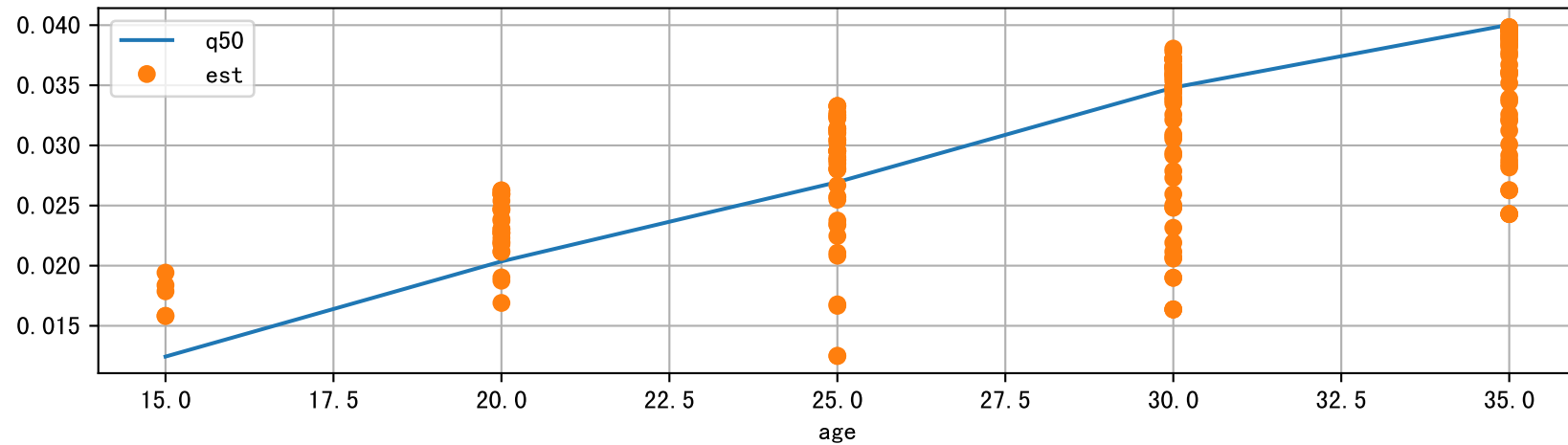


age=30



age=35



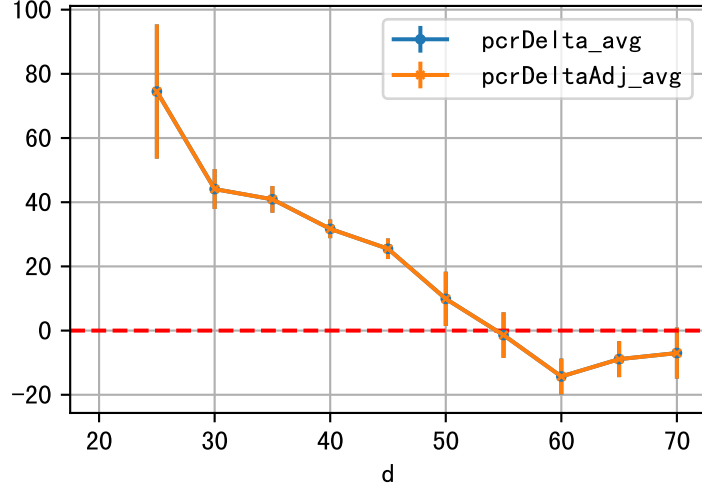
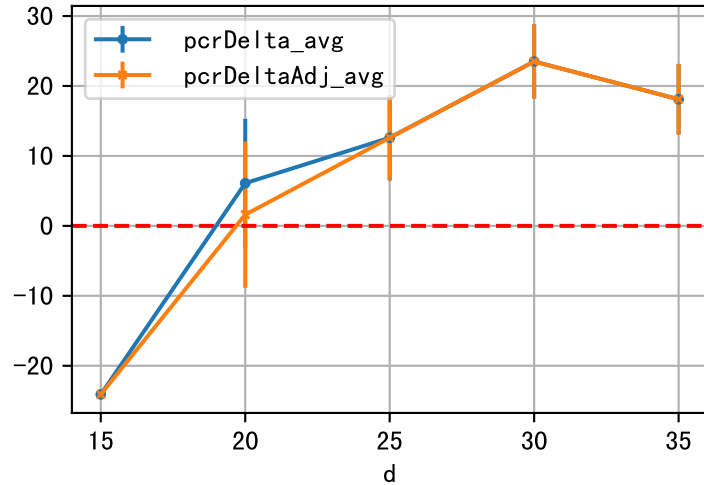


P10AW LfA: D_5d_LfA

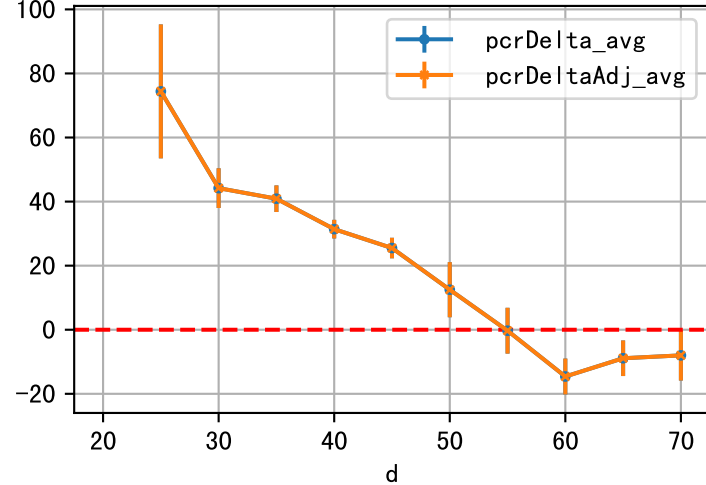
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DeltaTypeAbbr=GrpByDay

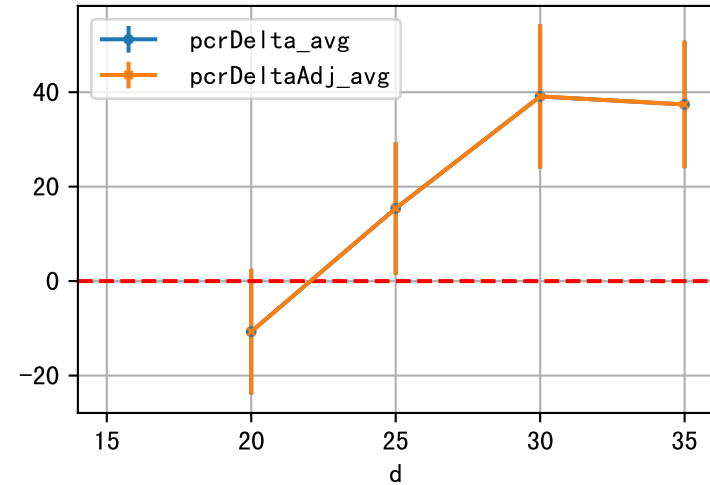
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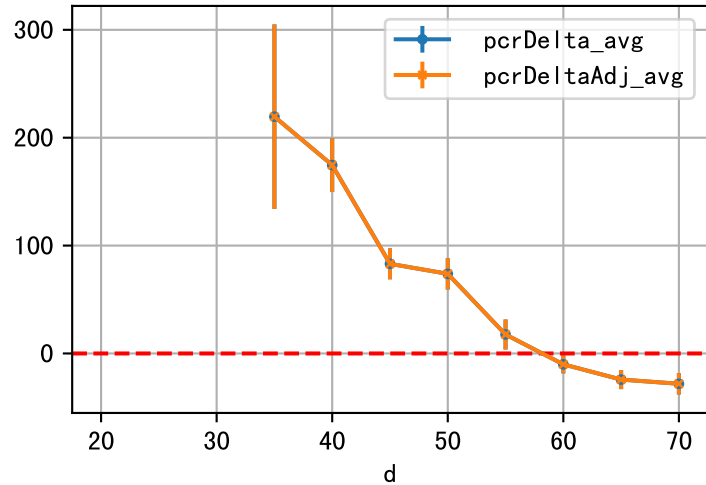
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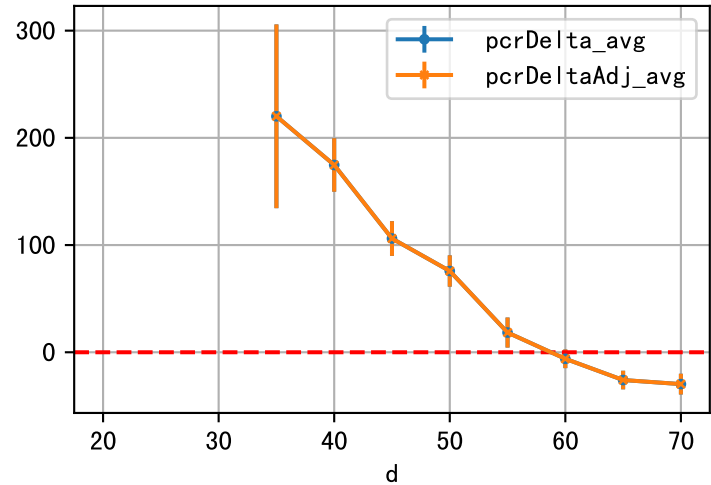
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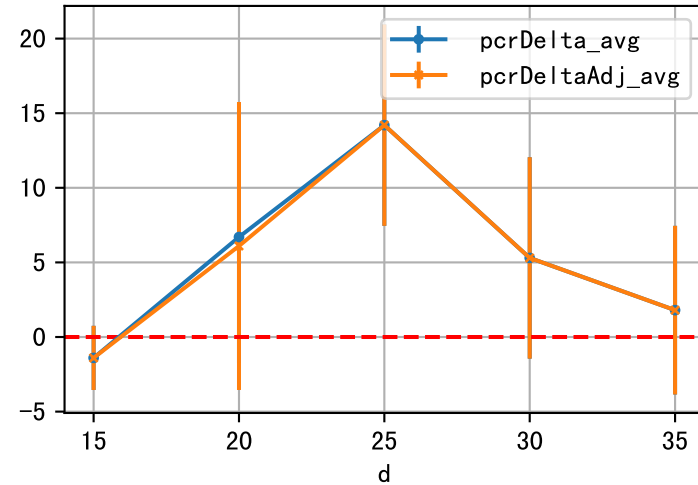
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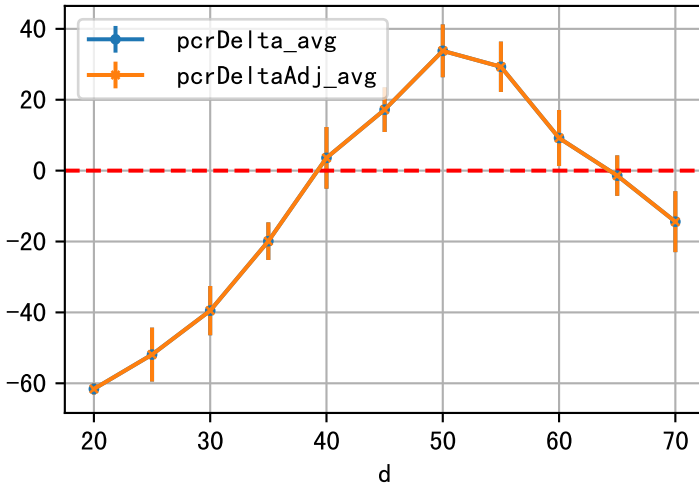
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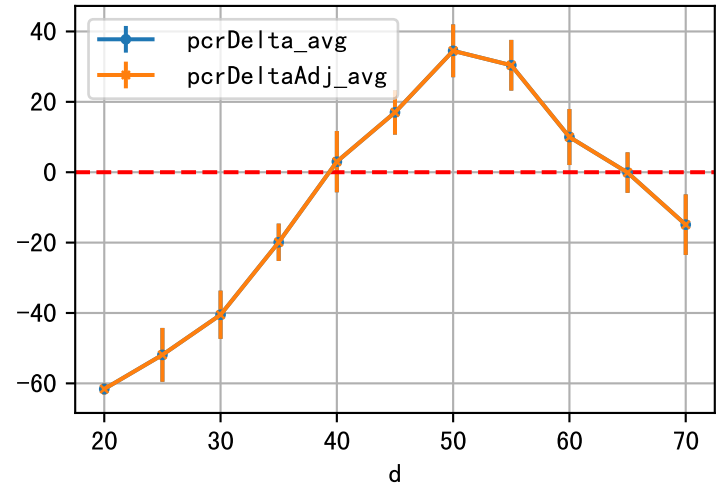
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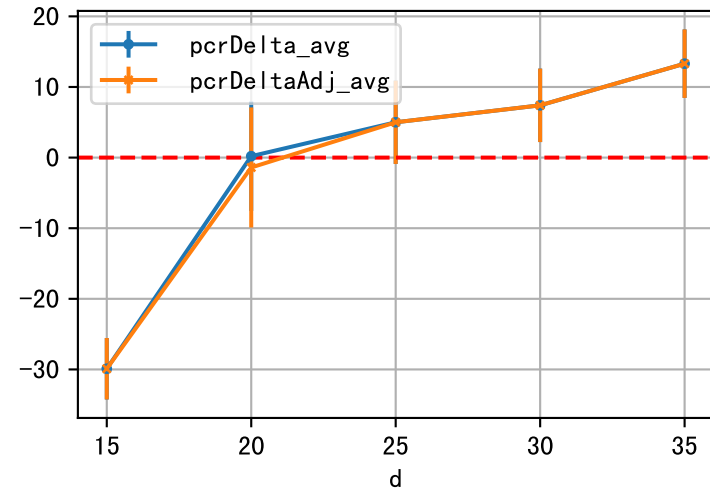
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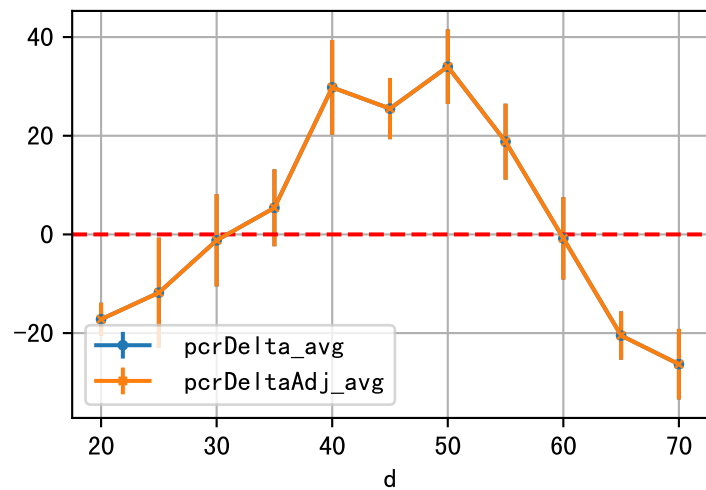
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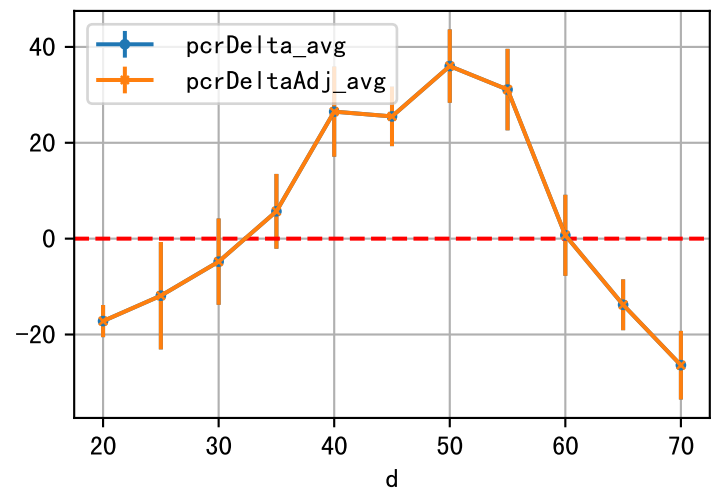
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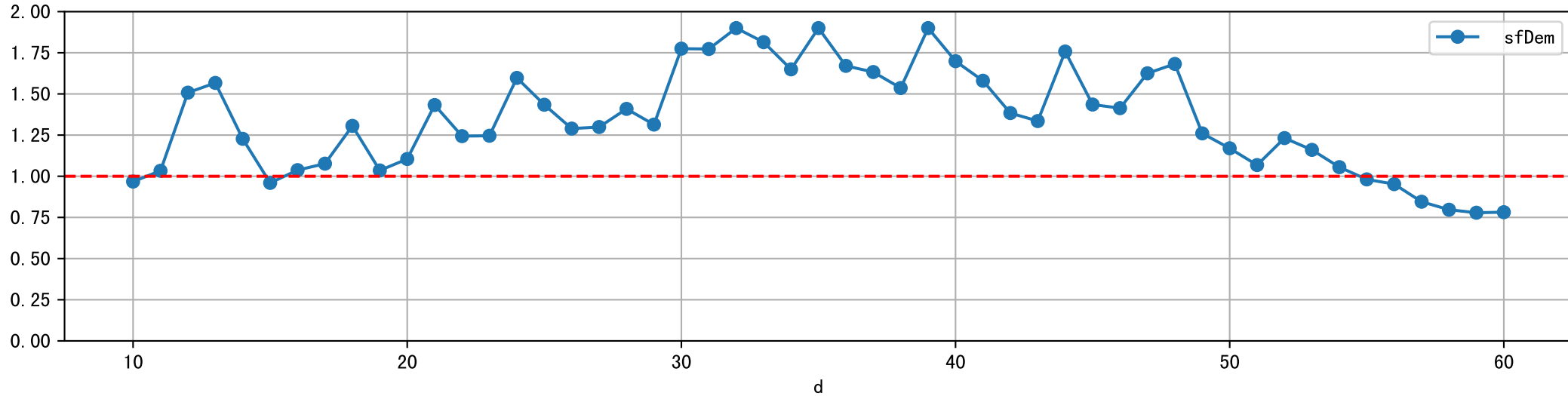
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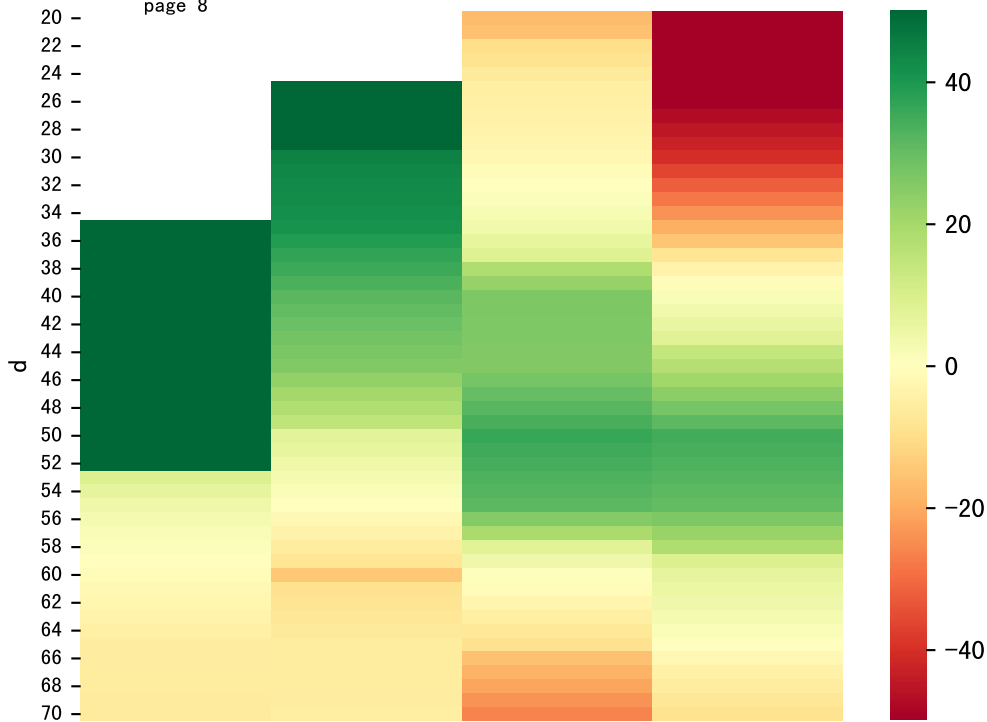


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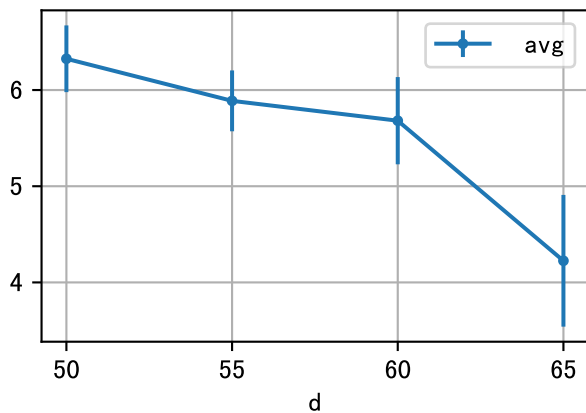
LfA: sfDem



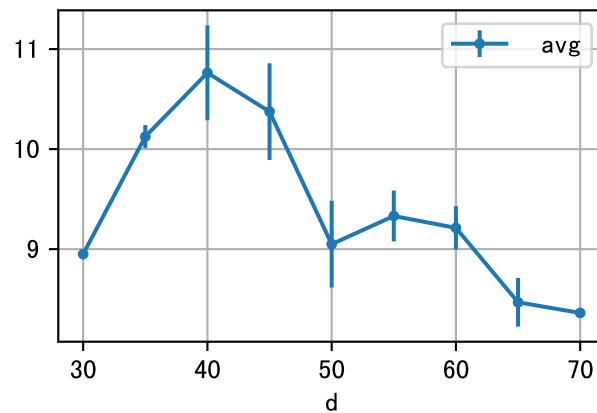


NdD: avg vs. d at each age group

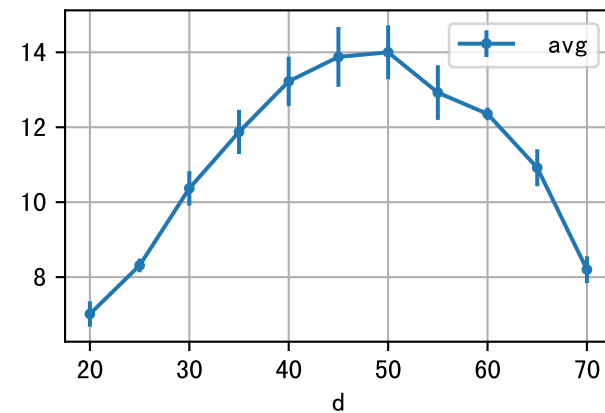
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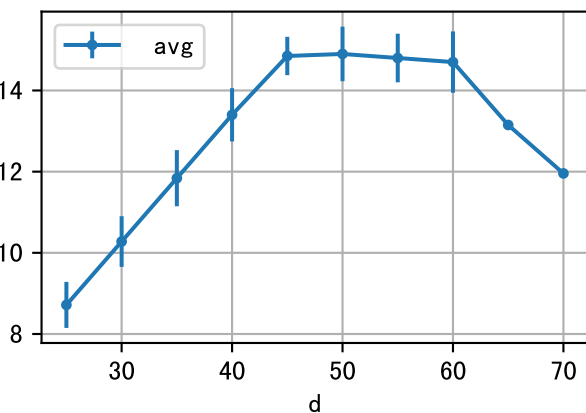
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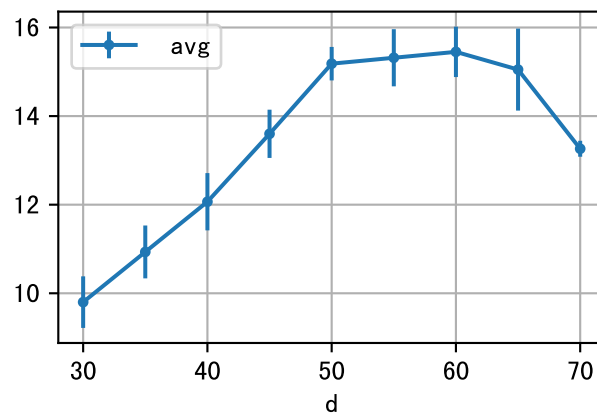
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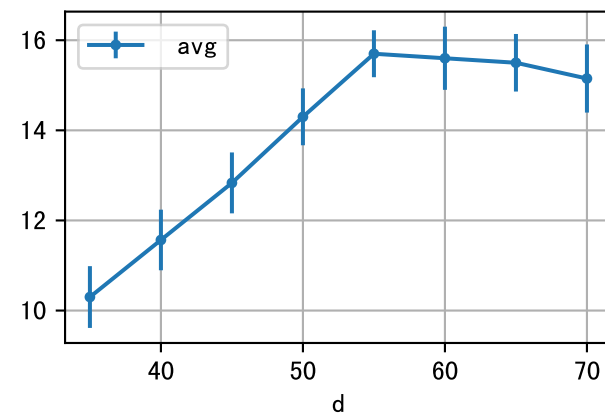
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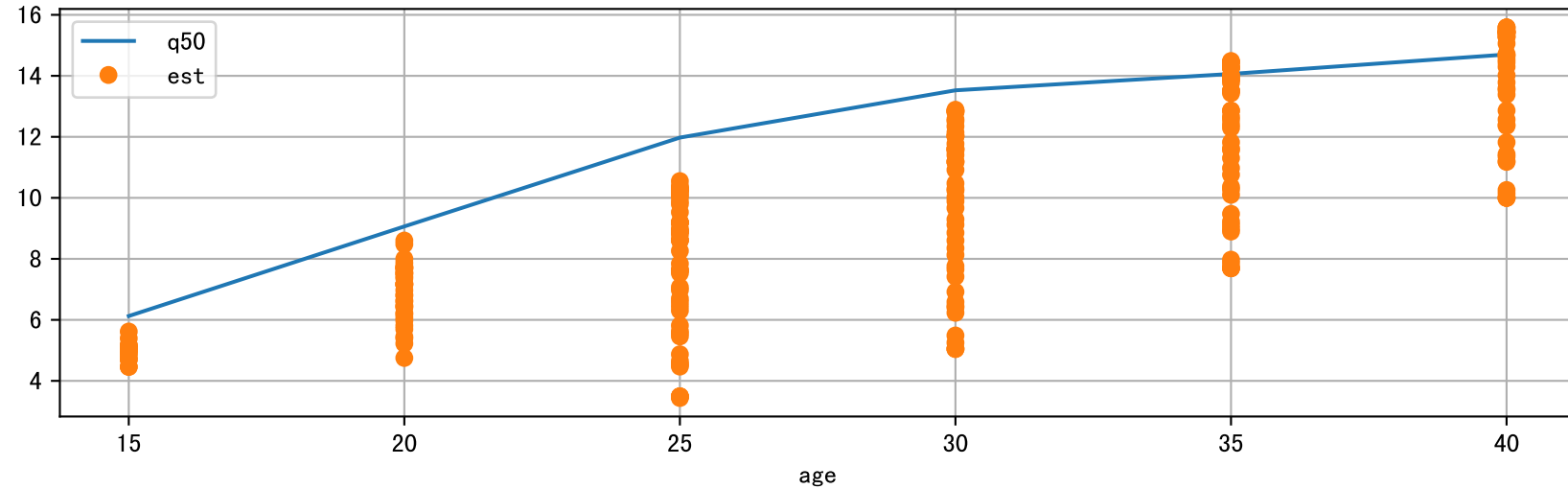
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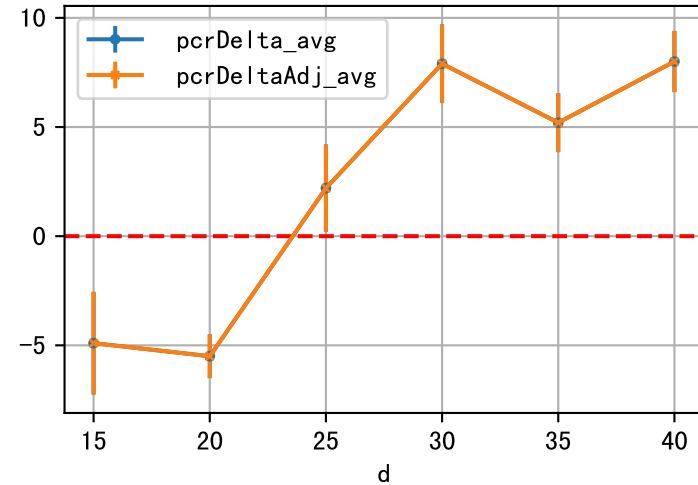
age=40



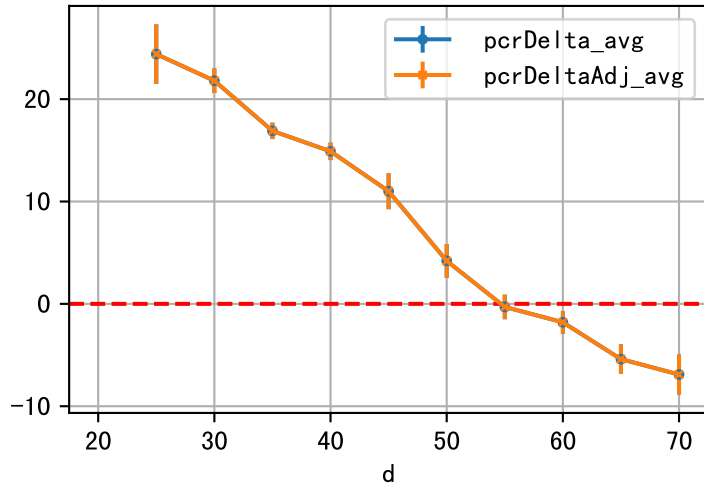
NdD: model est vs obs0v@Q50



DeltaTypeAbbr=GrpByAge

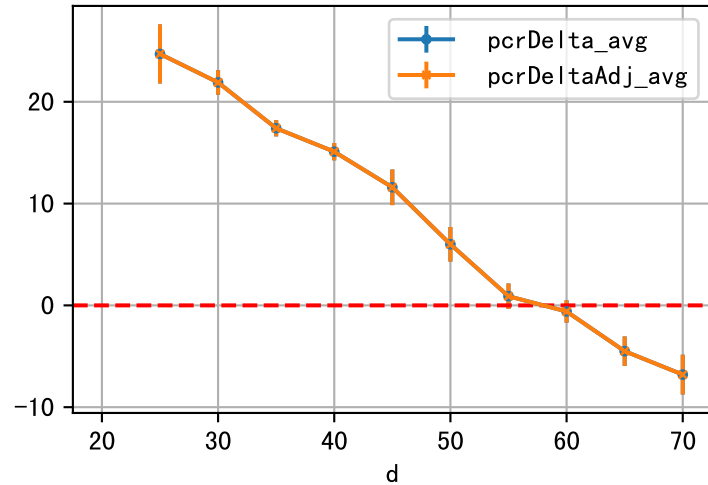


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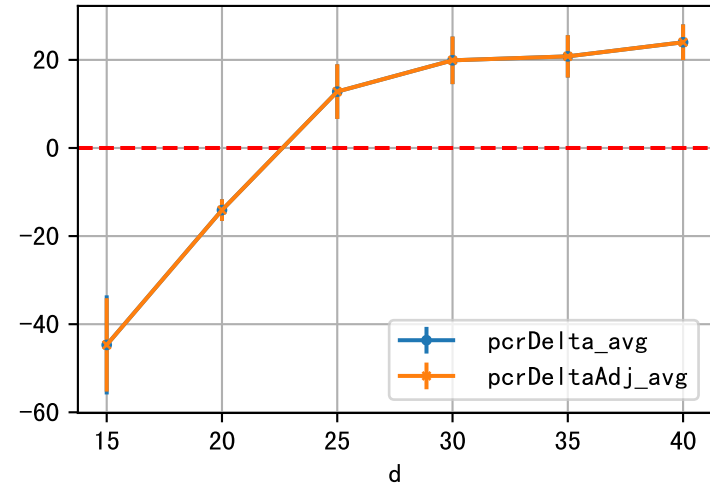


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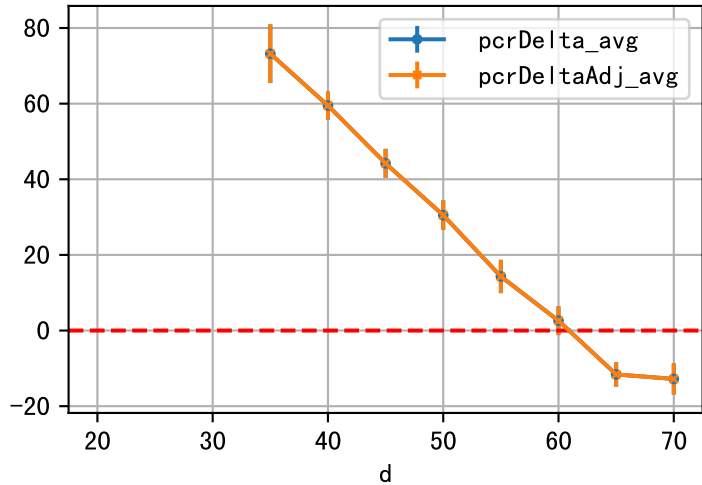
DeltaTypeAbbr=Wei AvgByD



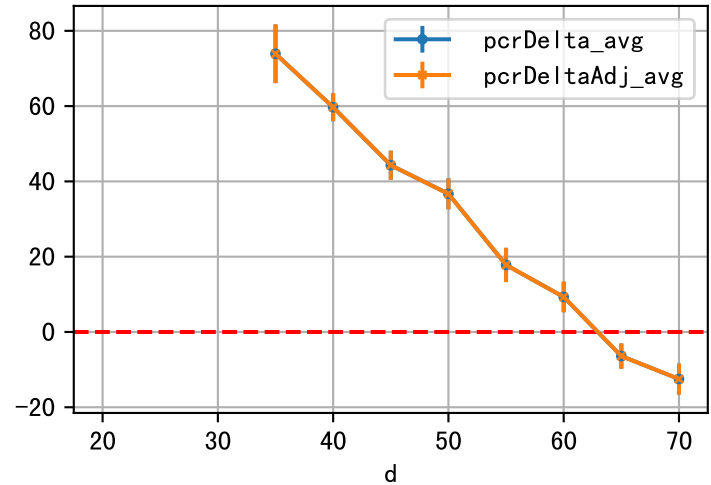
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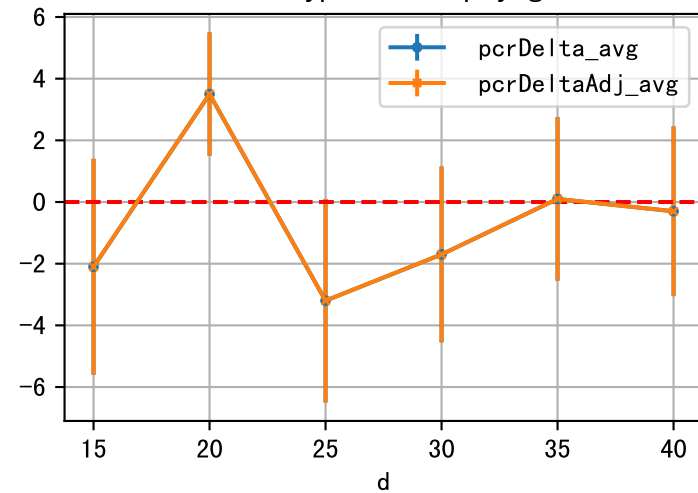
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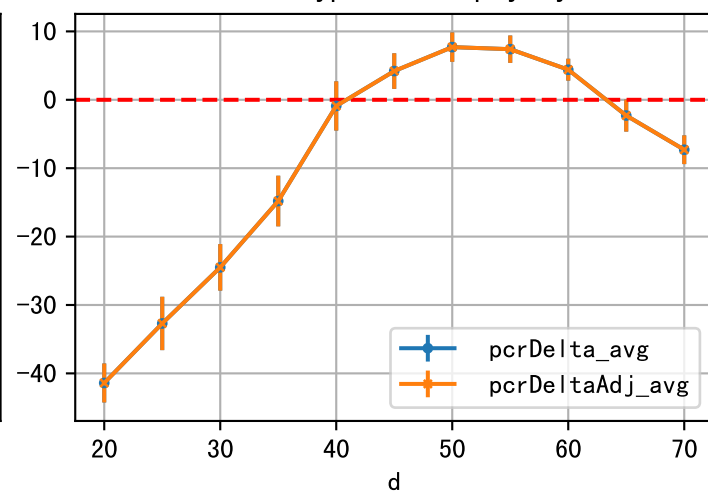
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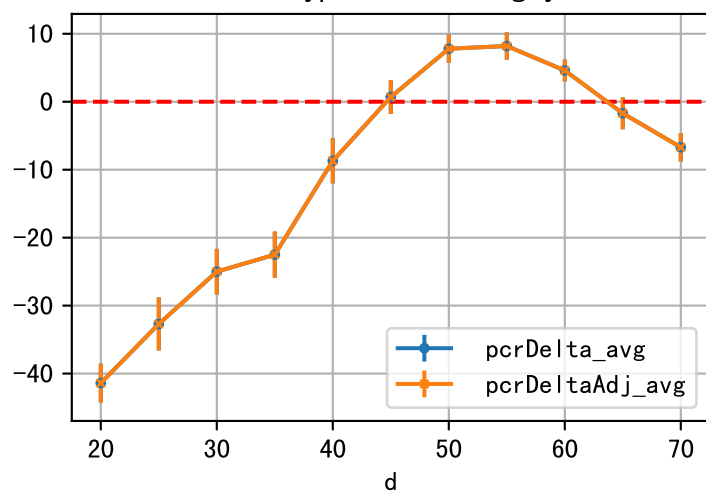
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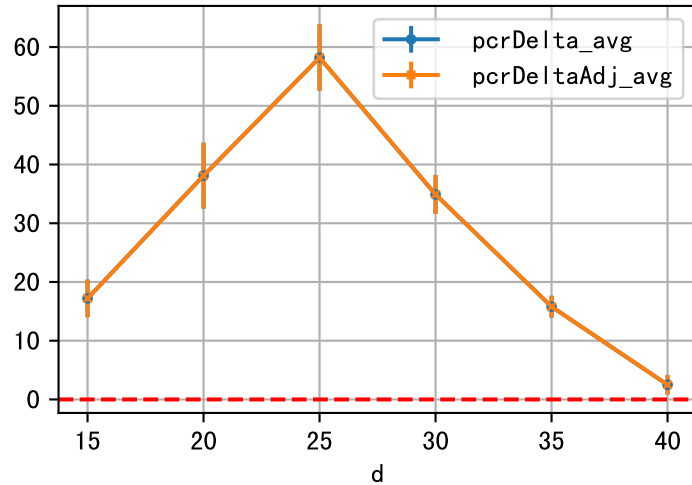
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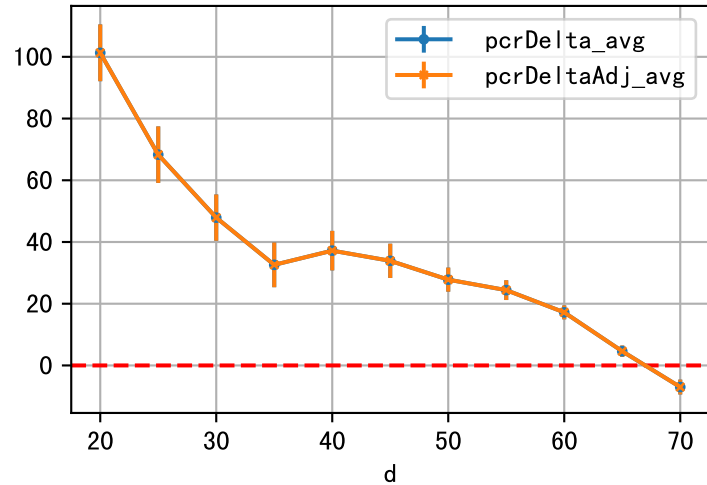
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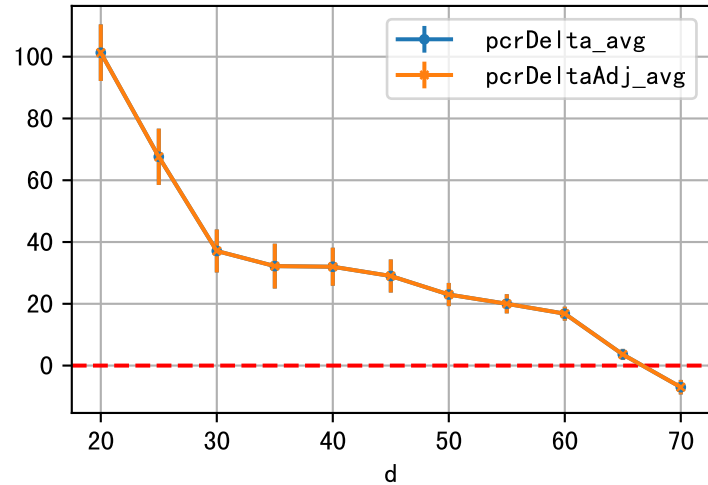
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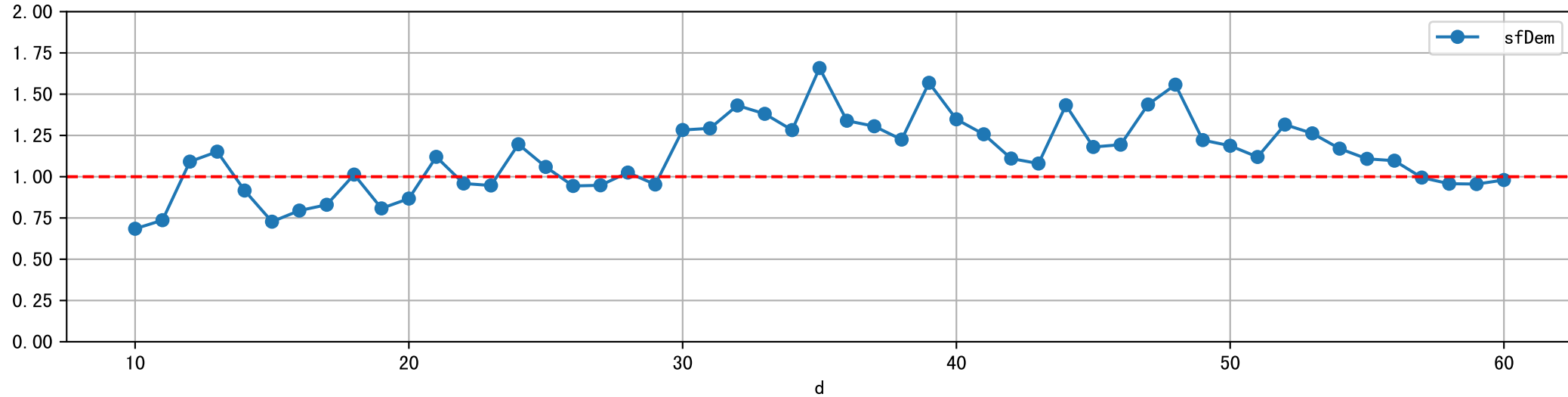
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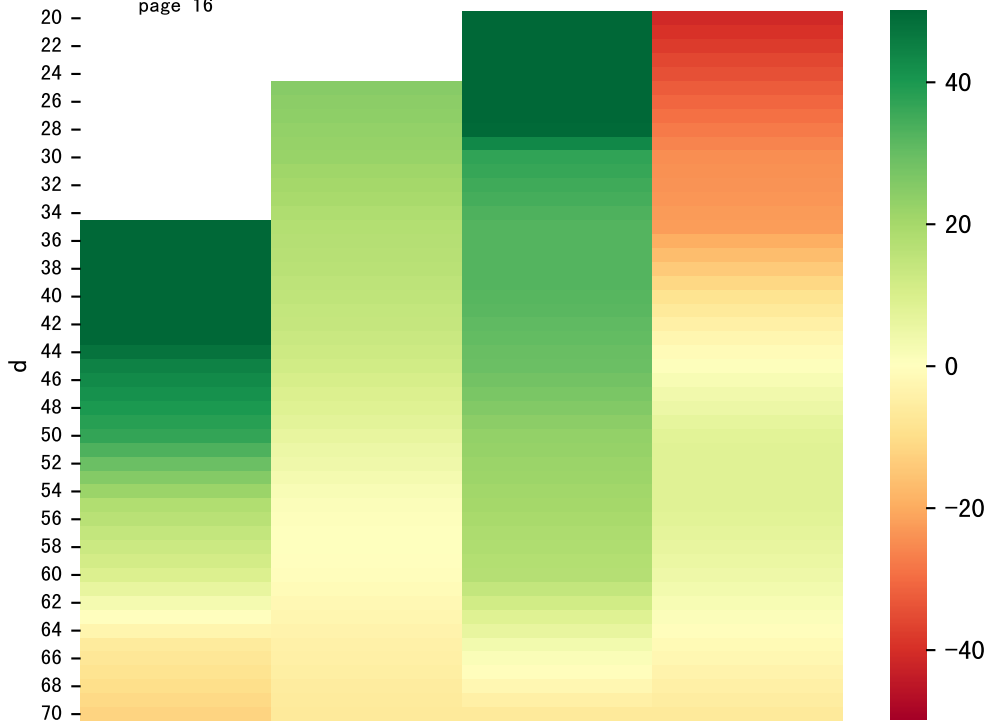


DeltaTypeAbbr=Wei AvgByD

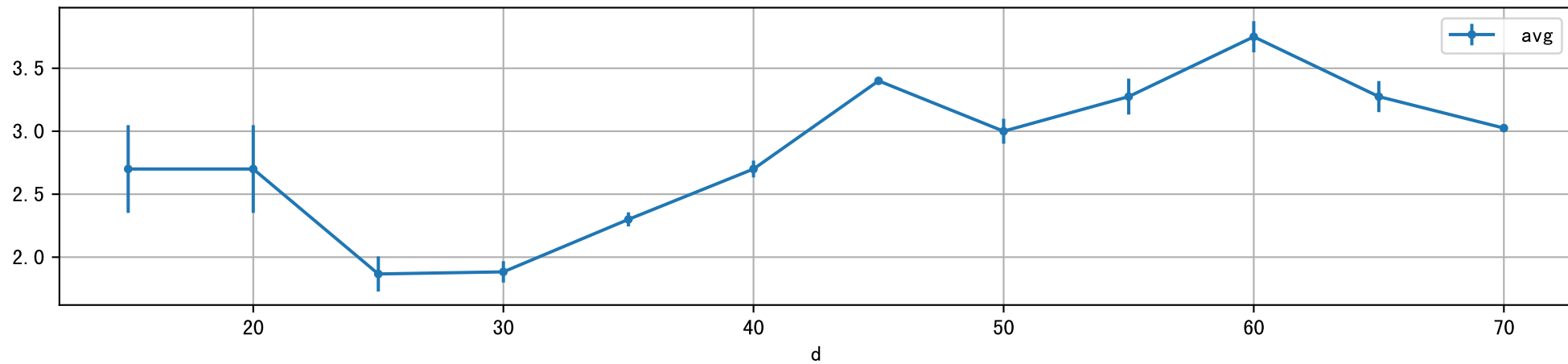


NdD: sfDem

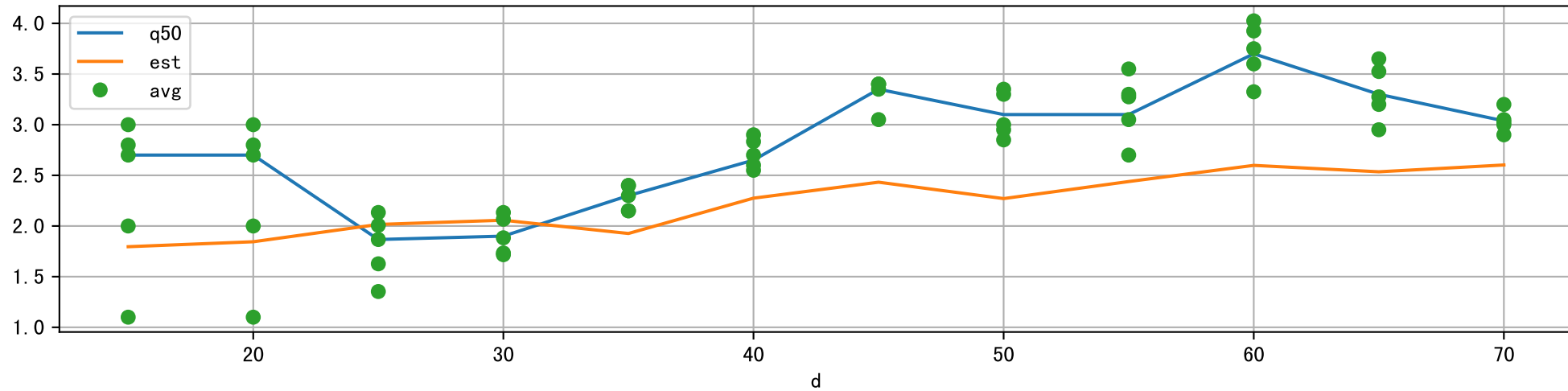




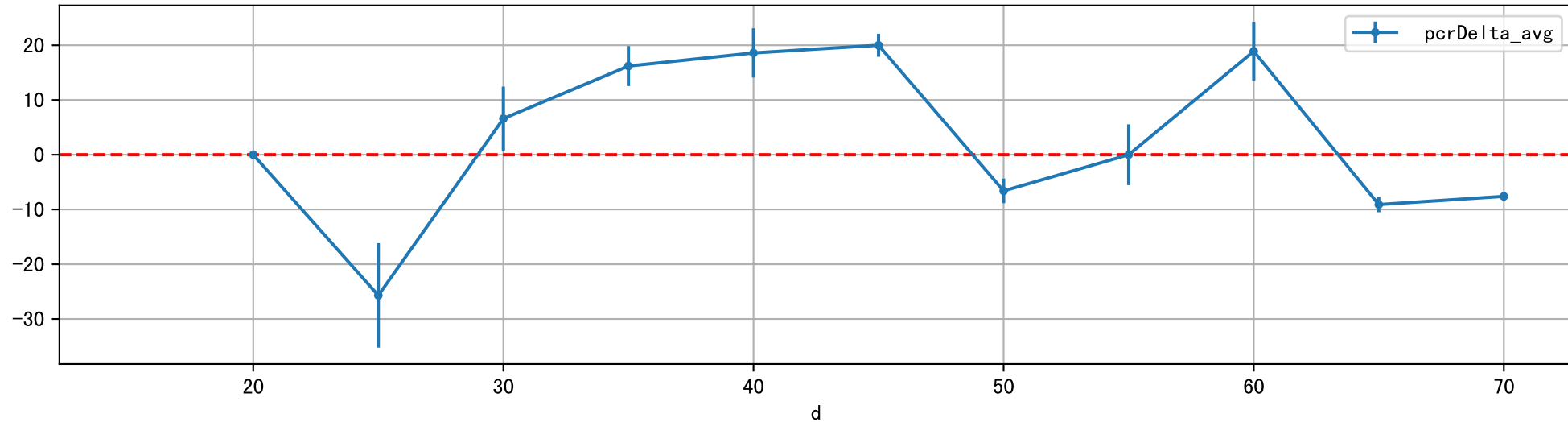
dStH: avg vs. d



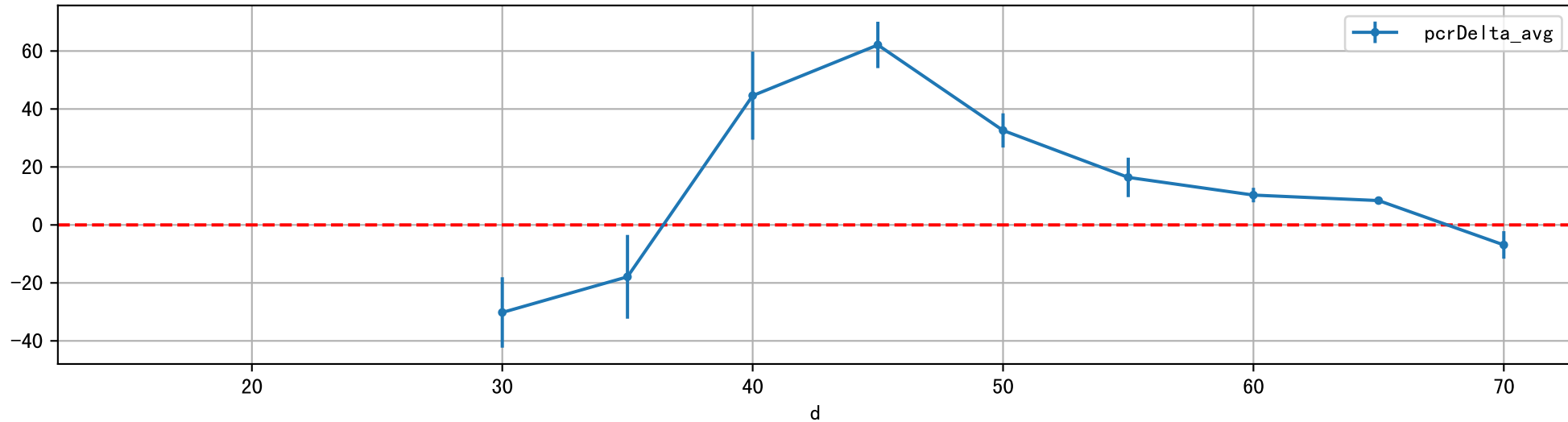
dStH: obsAvg vs obs0v@Q50



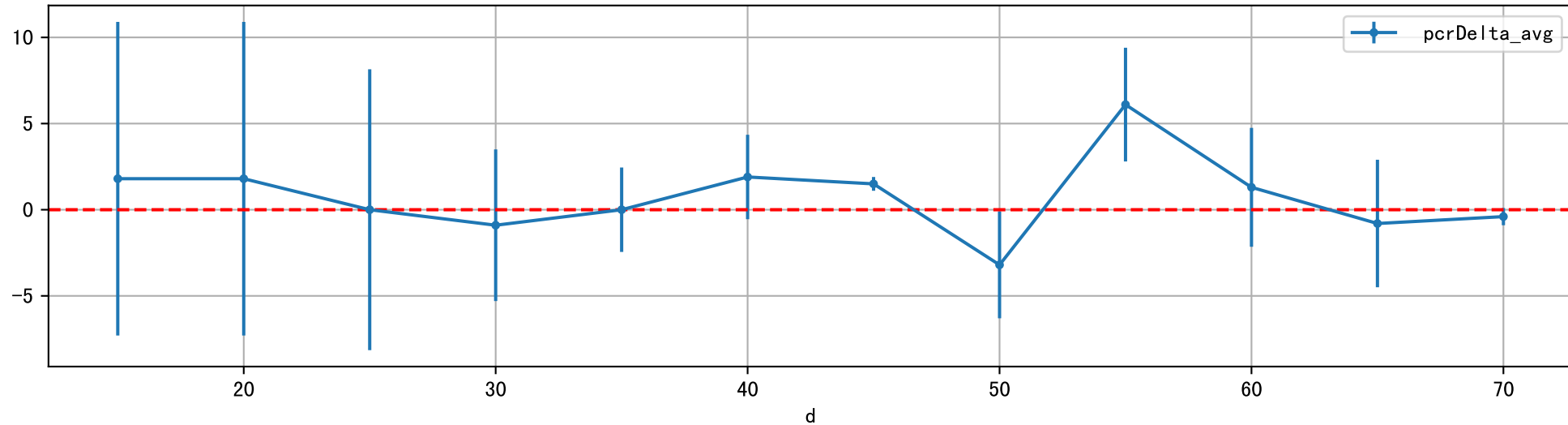
dStH: D_5d_StH



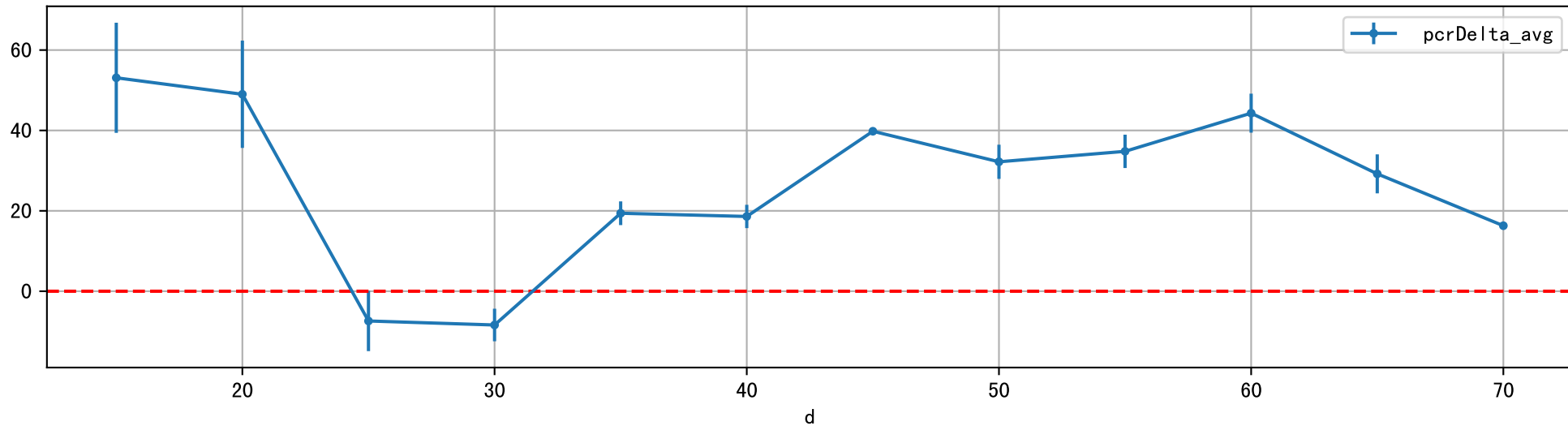
dStH: D_15d_StH



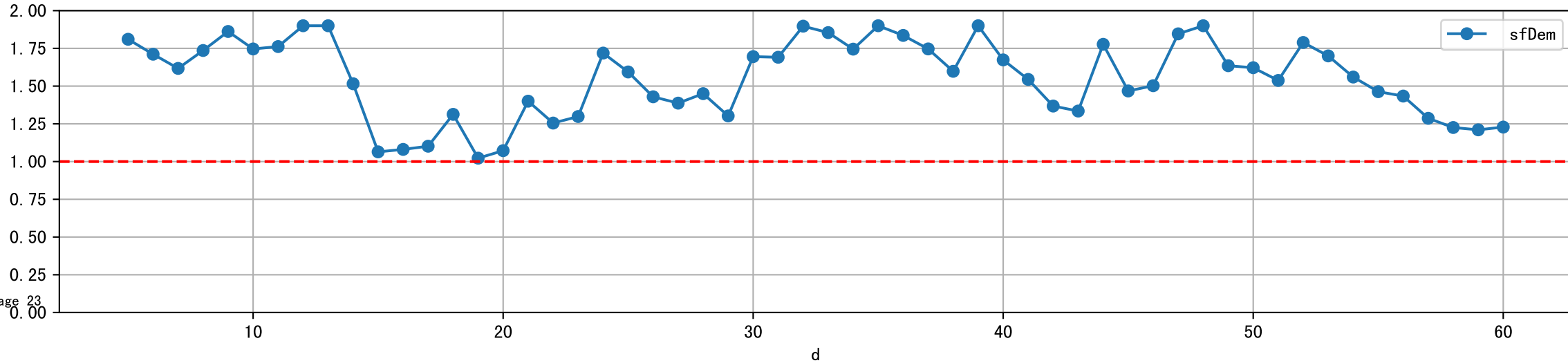
dStH: D_Q50_StH

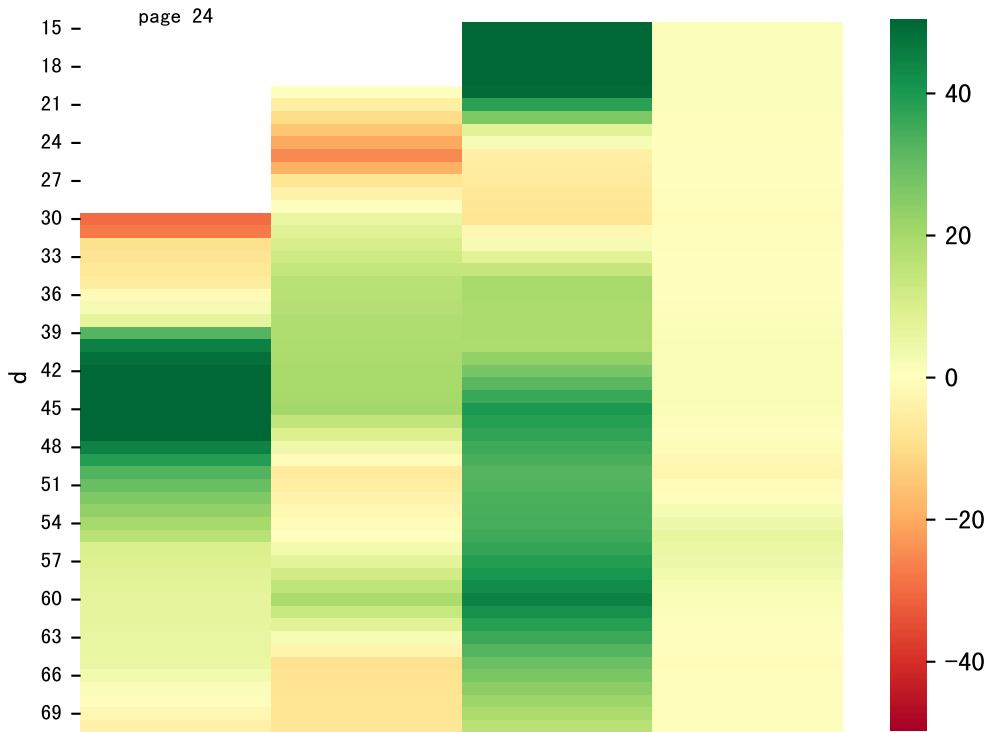


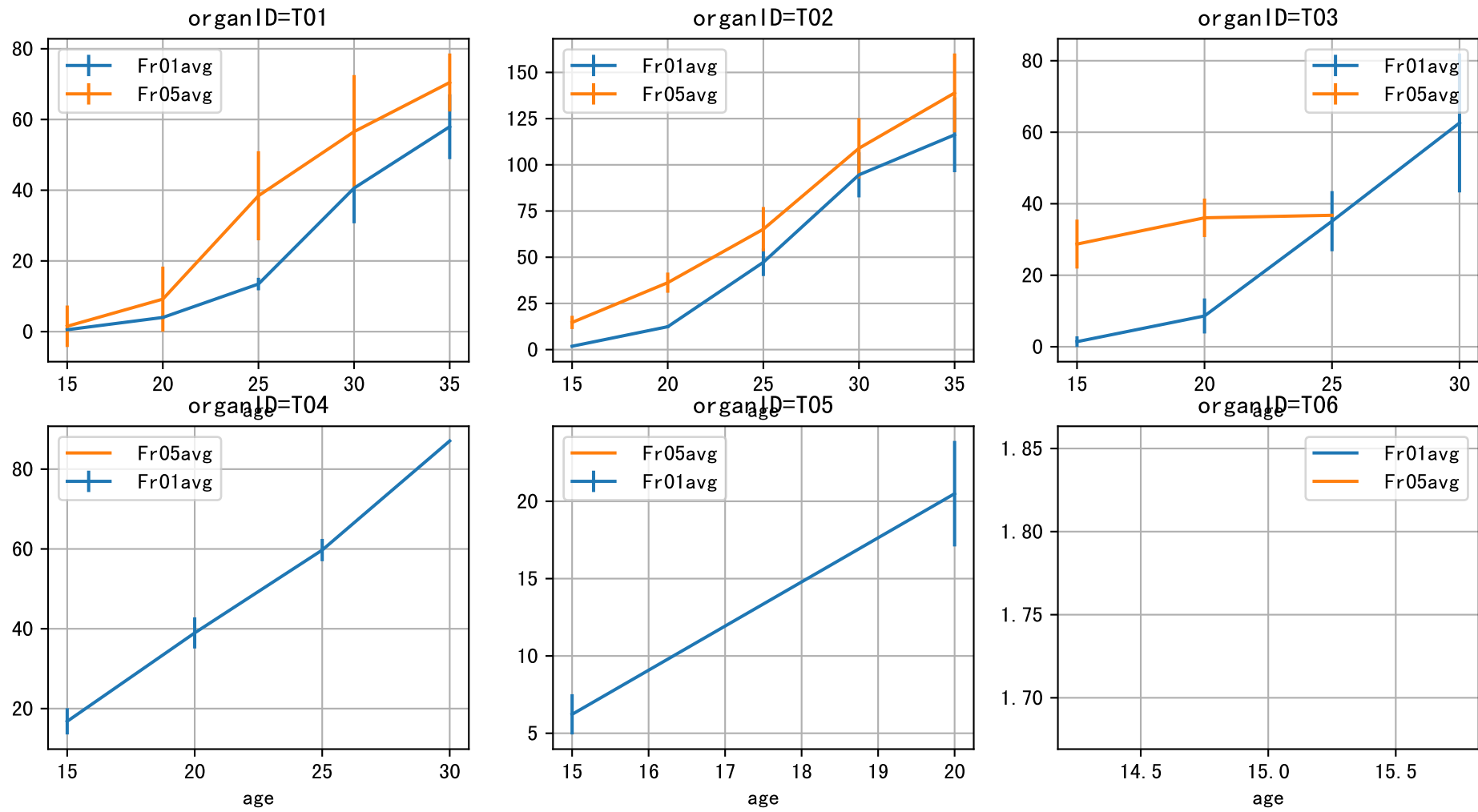
dStH: D_Est_StH



dStH: sfDem

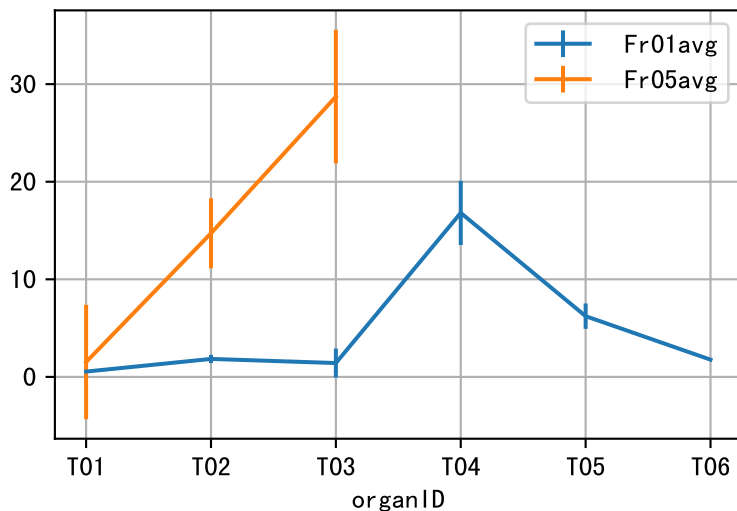




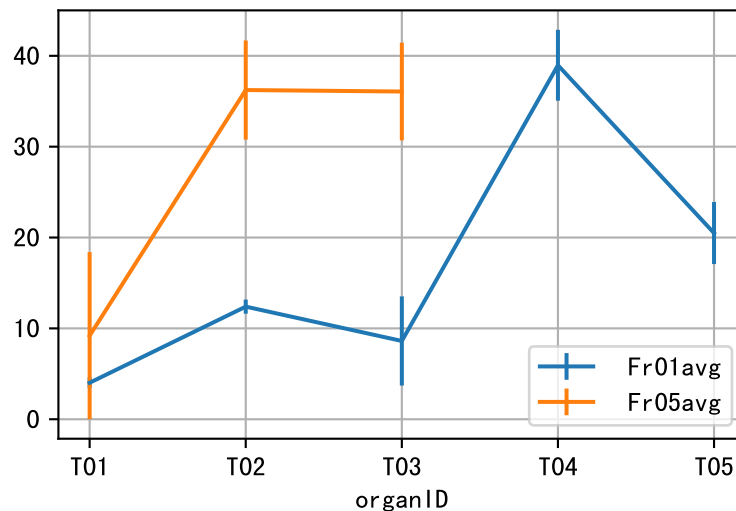


FrV trend at each age

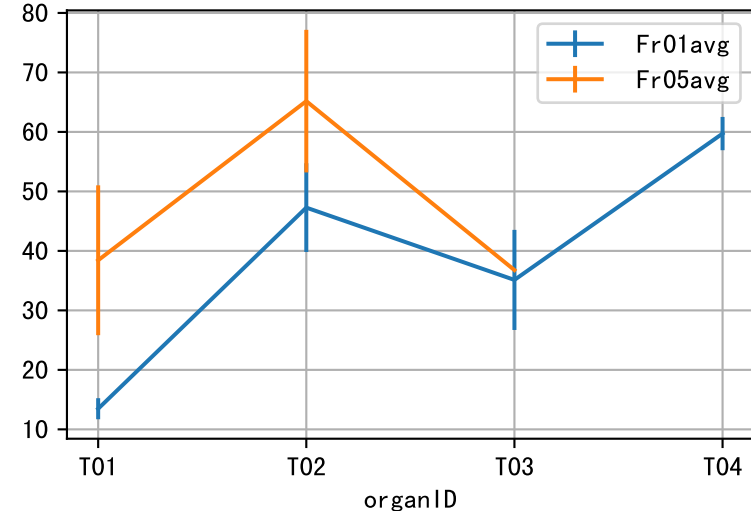
age=15



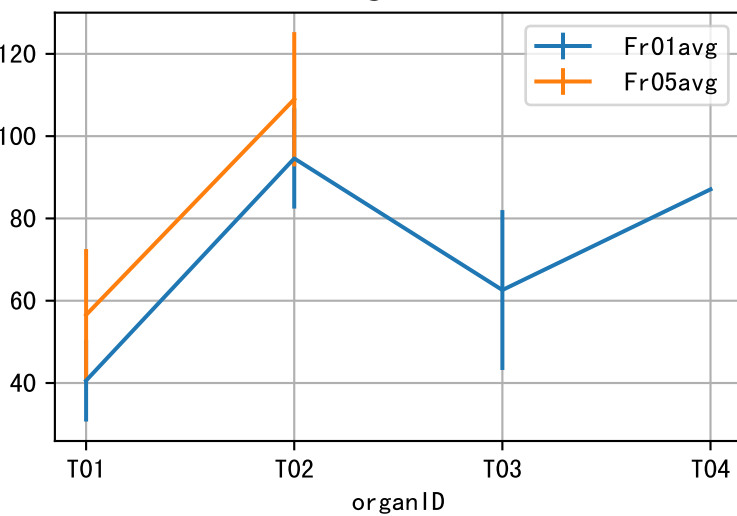
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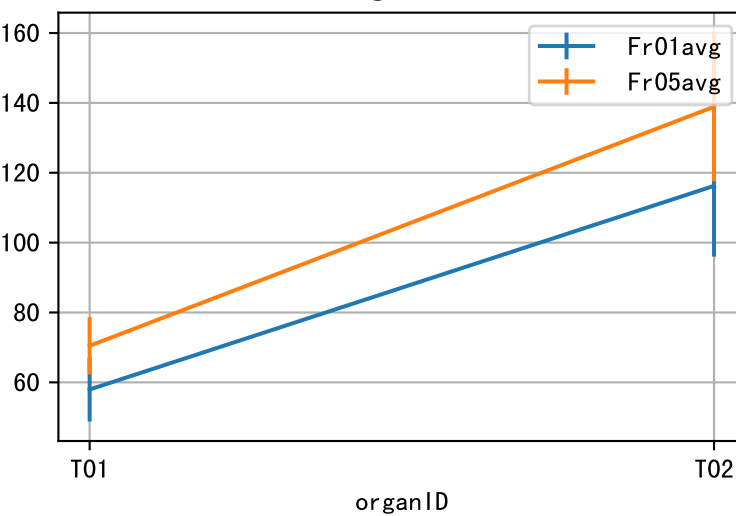
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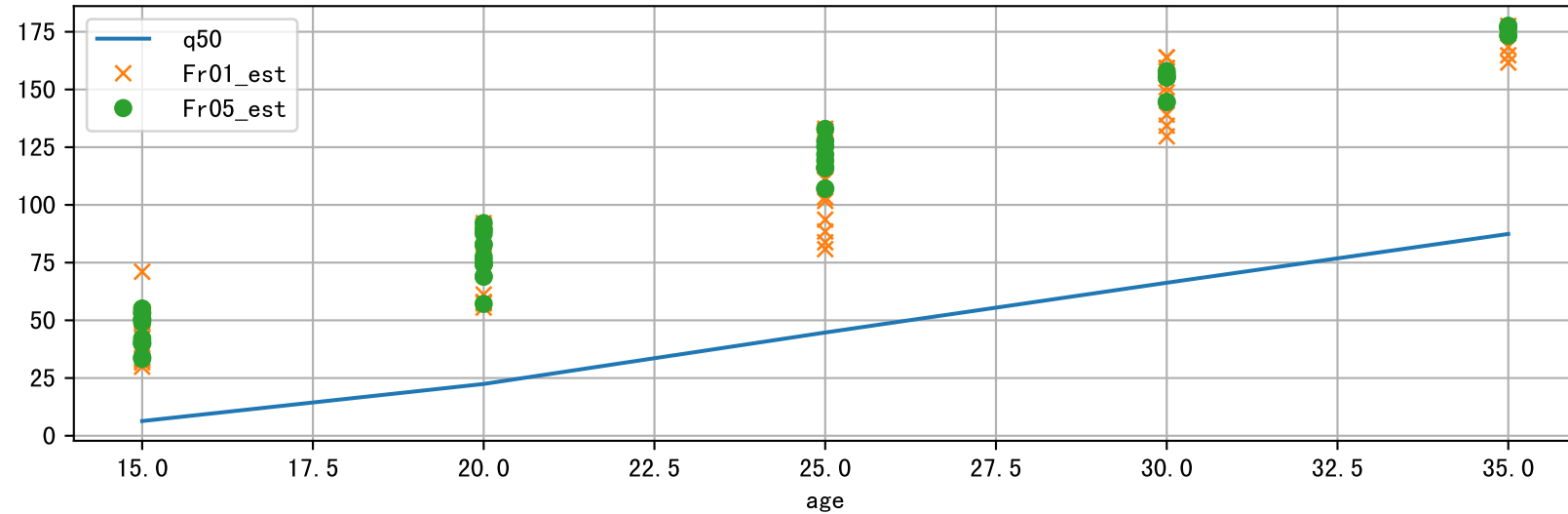
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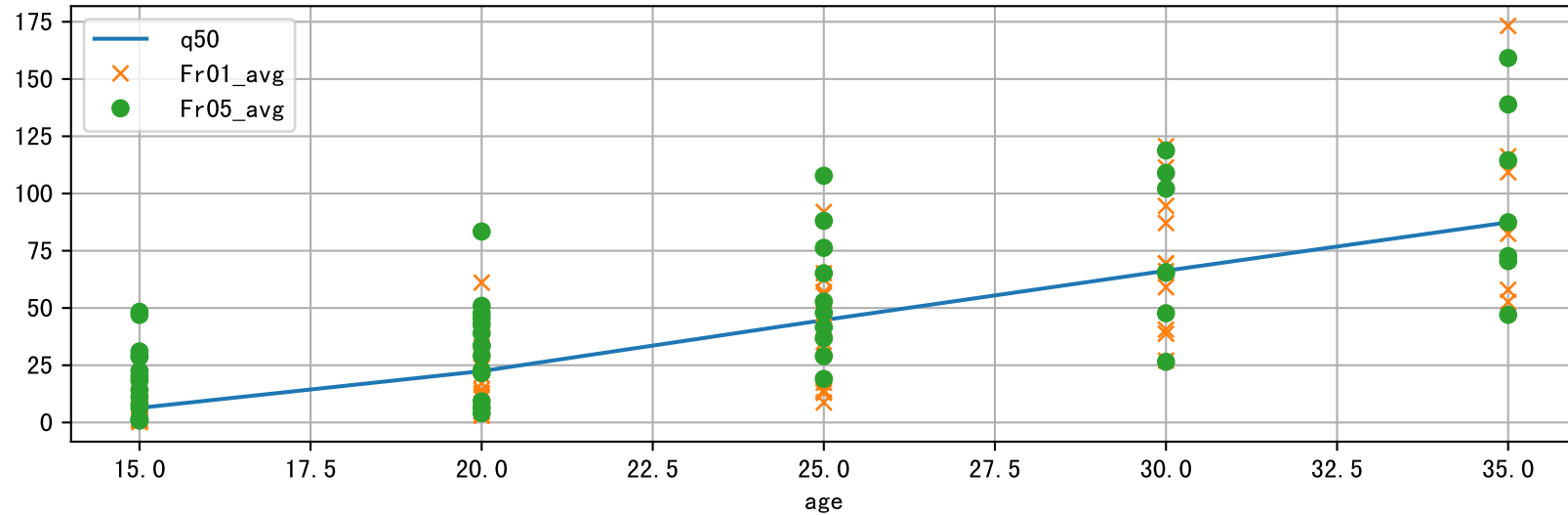
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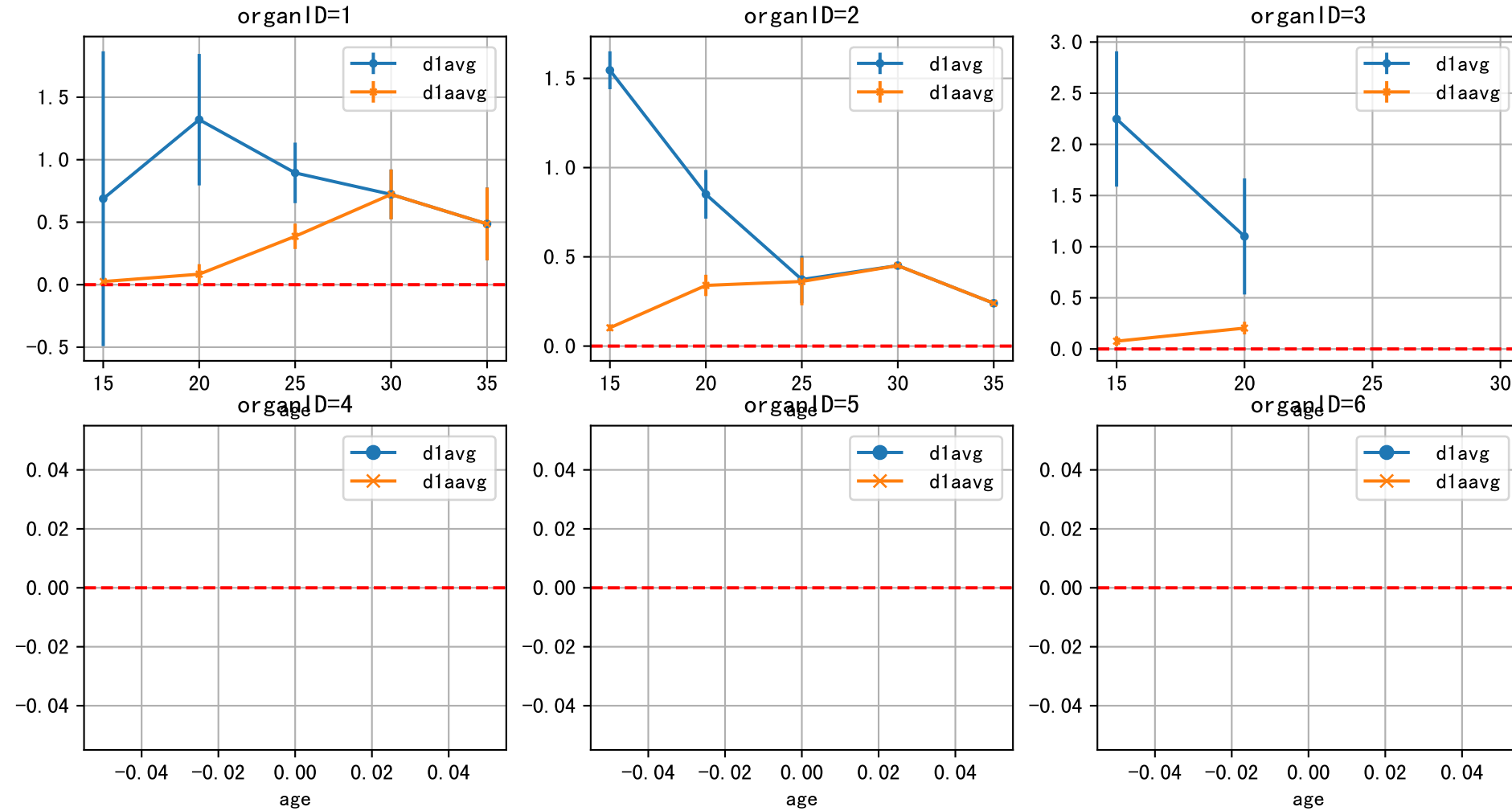


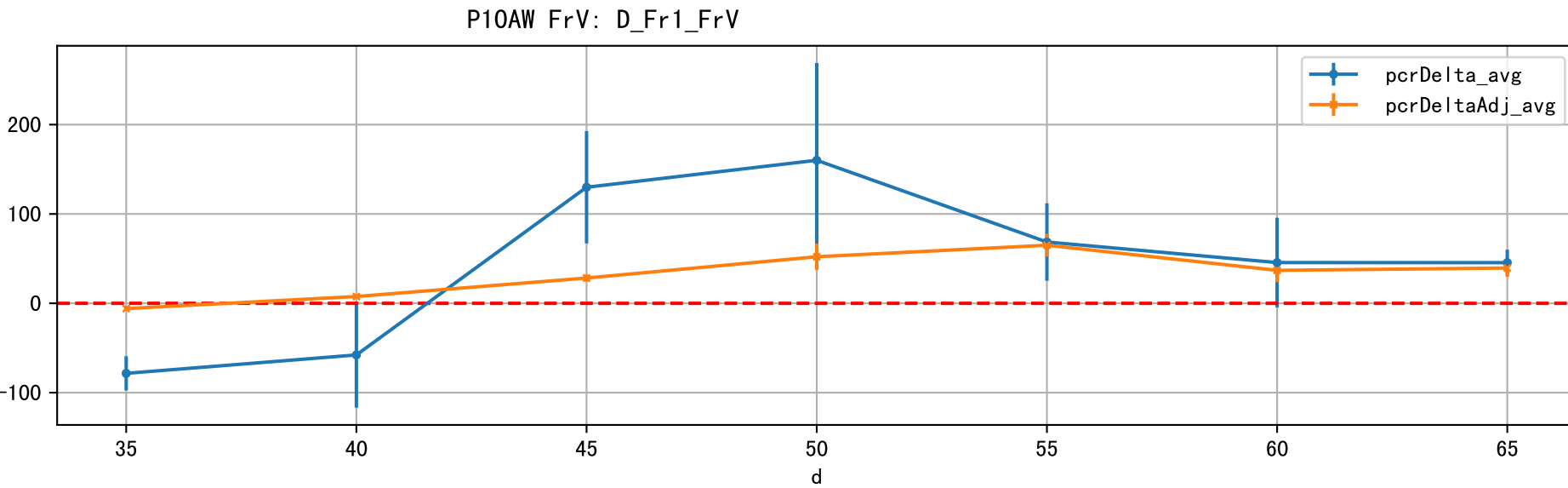
FrV: model Est vs obsFrV at Q90

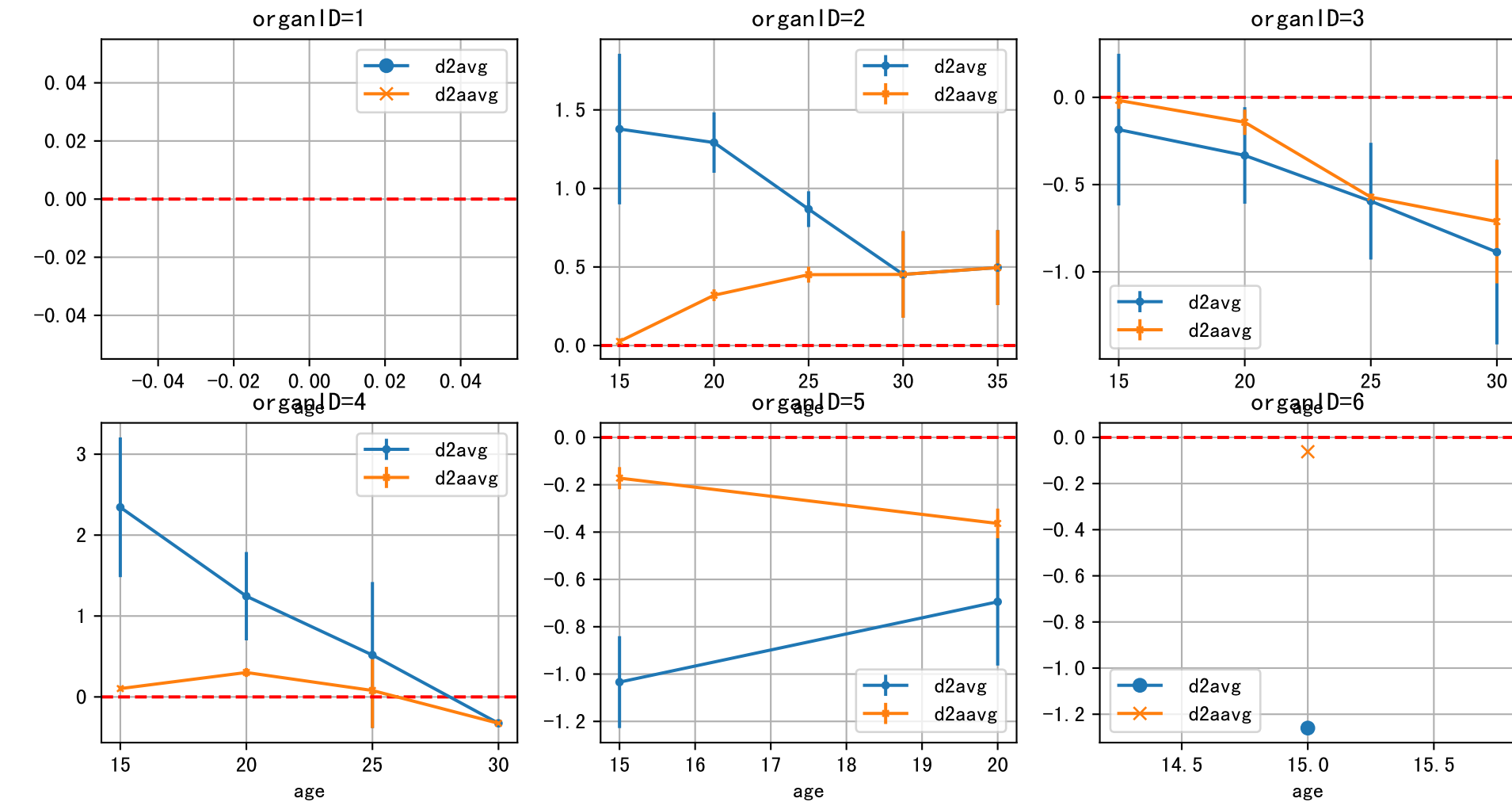


FrV: obsFrV vs obsFrV@Q90

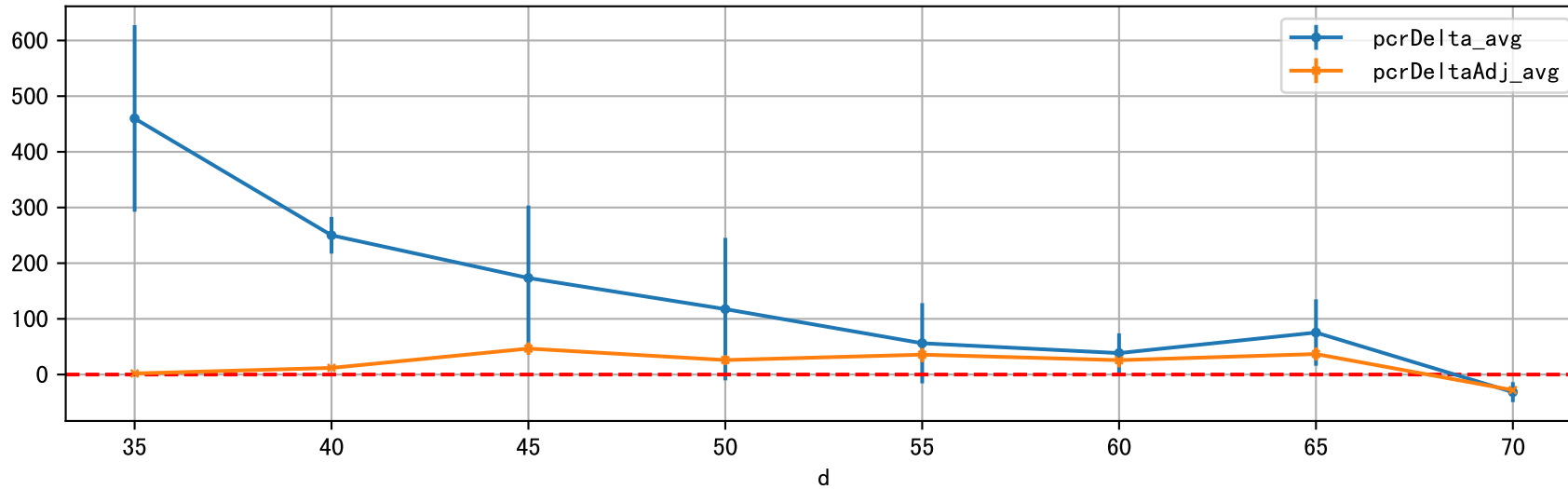


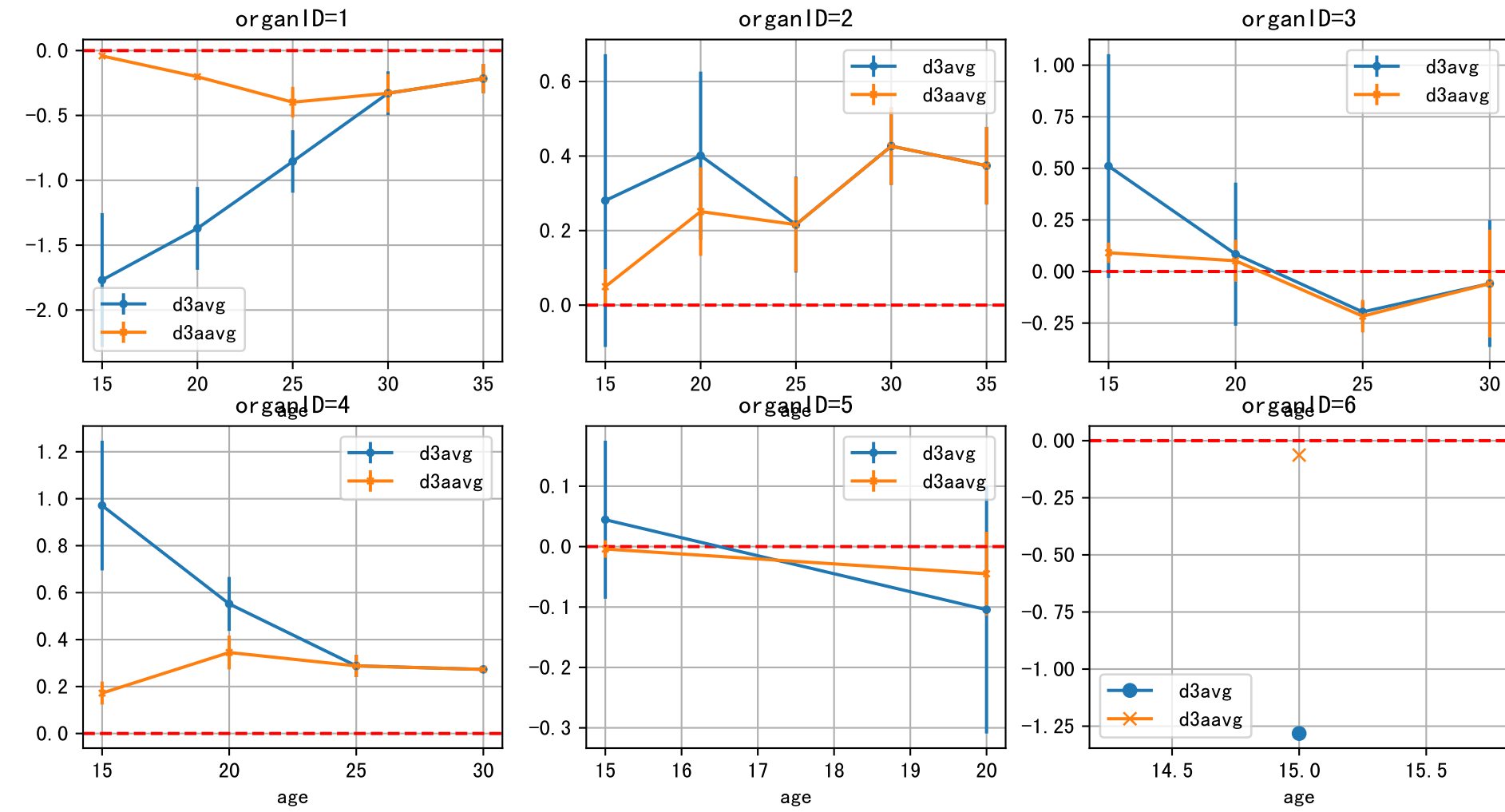




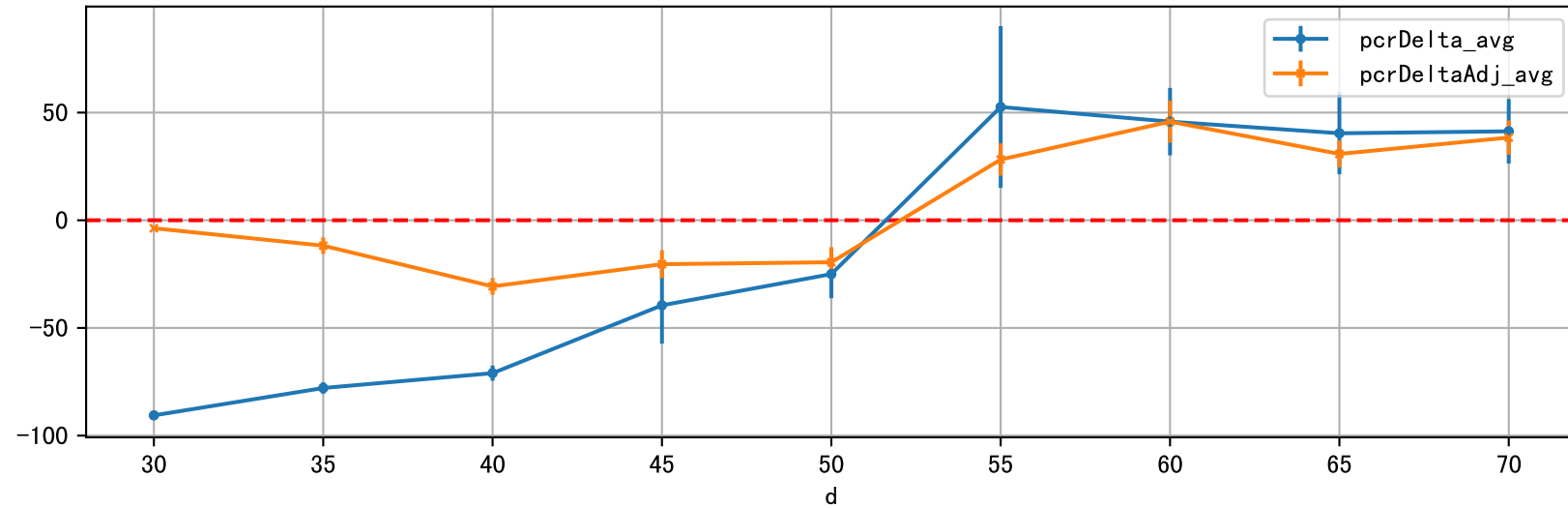


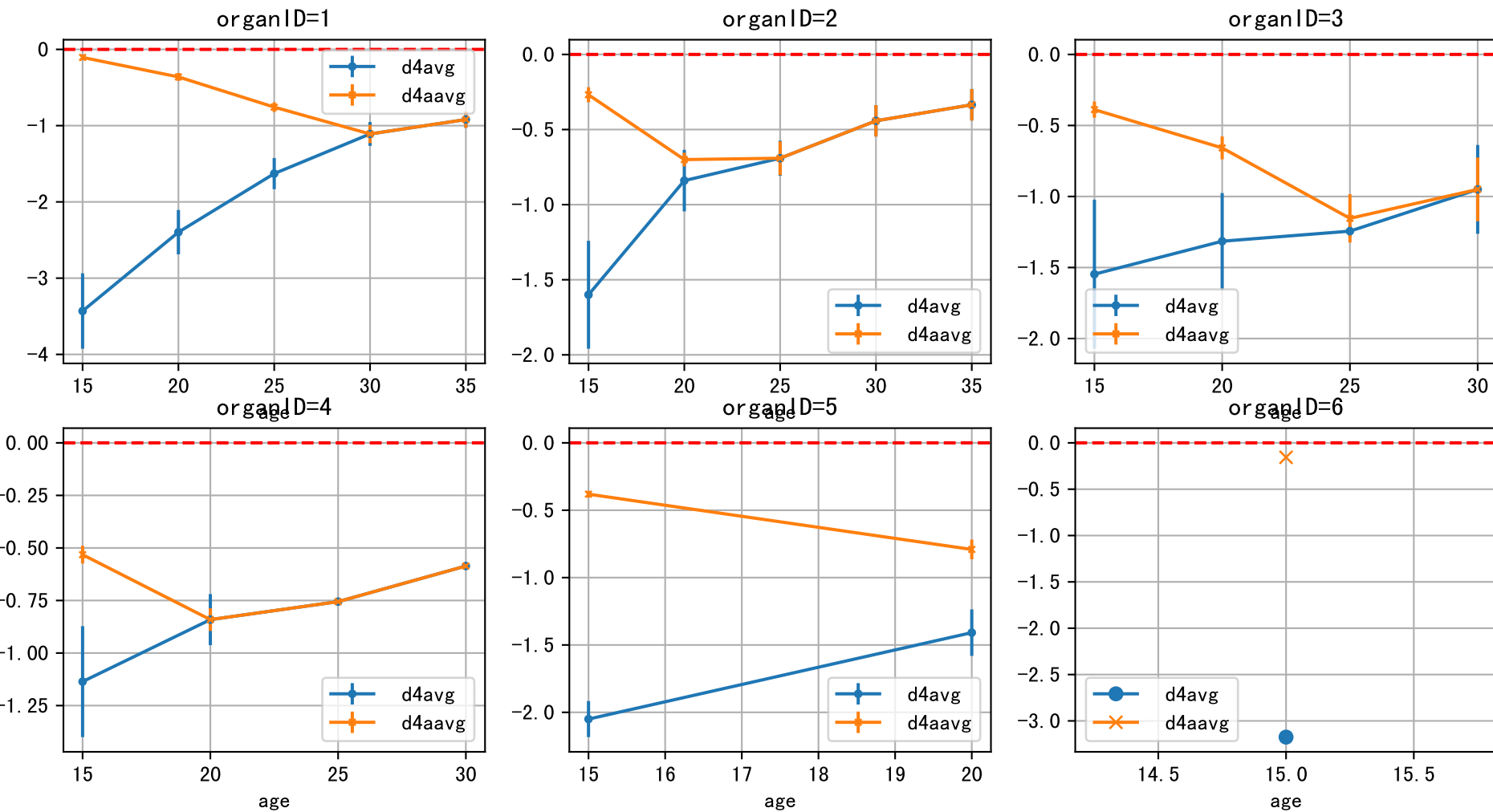
P10AW FrV: D_Ts_FrV





P10AW FrV: D_Q50_FrV





P10AW FrV: D_Est_FrV

