

Phenotype Data Analysis Plots

PhenoData day range = 5 – 54

Analysis cutoff day = 54

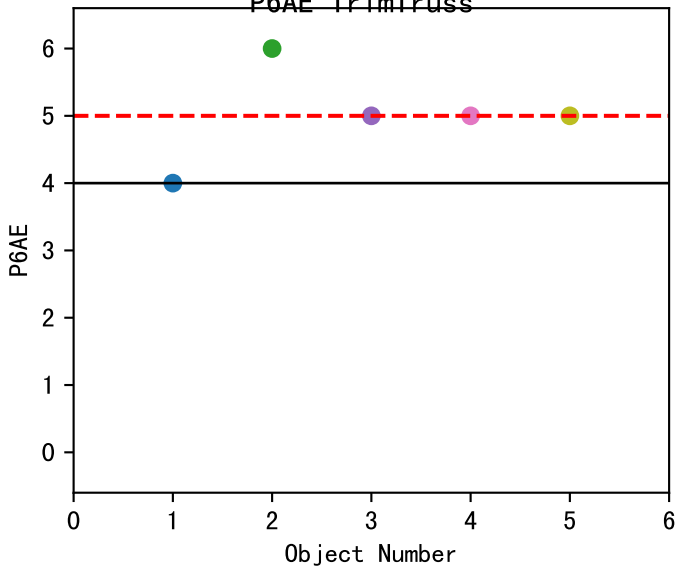
NC11 P6

2025-05-30 (Day 55)

TrussNodeMaxPerStem (Def=4.0 Set=5)

avg1=5.0~0% avg2=na

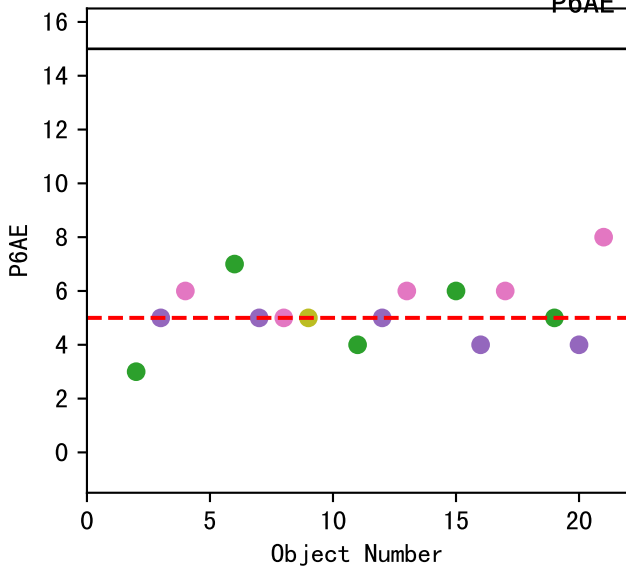
P6AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

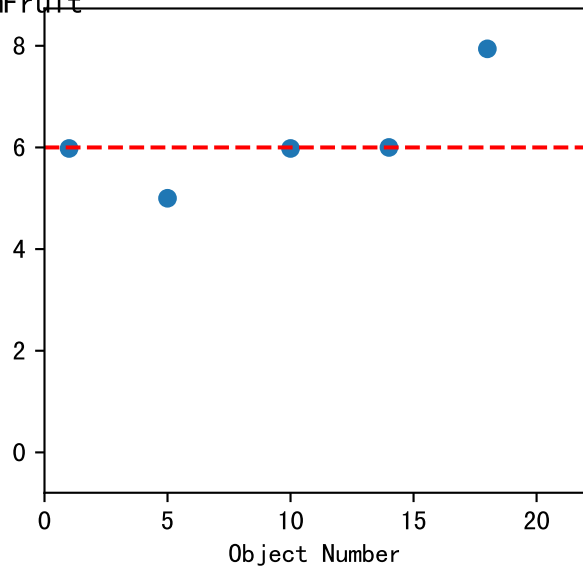
avg1=5.0~21% avg2=na

P6AE TrimFruit

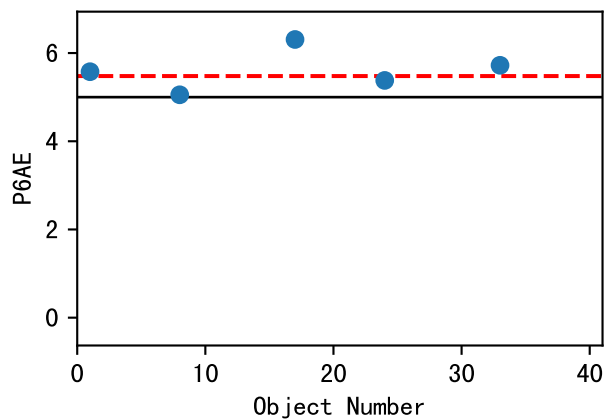


FruitNumMaxPerTruss (Def=na Set=6)

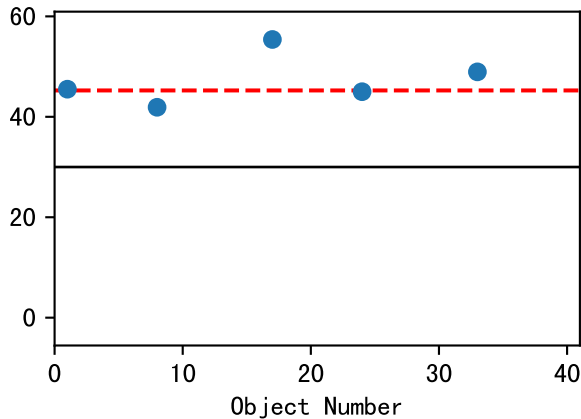
avg1=6.0~0% avg2=na



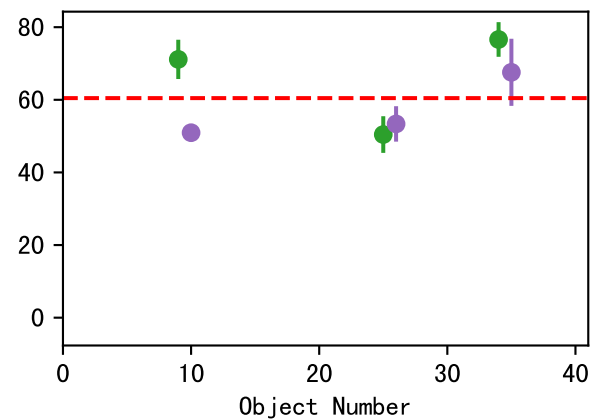
NdL_Q90AbsY (Def=5 Set=5.48)
avg1=5.48~5% avg2=na



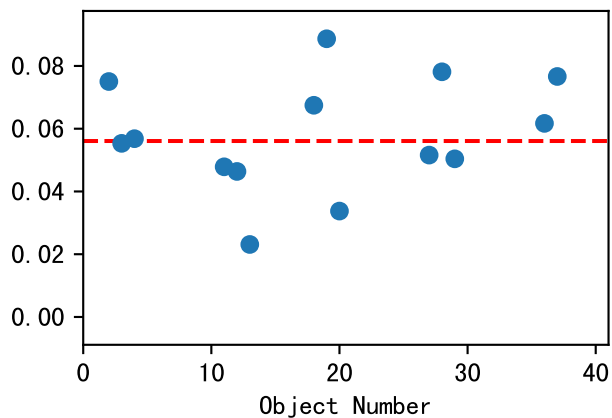
LfW_Q90AbsY (Def=30 Set=45.25)
avg1=45.25~6% avg2=na



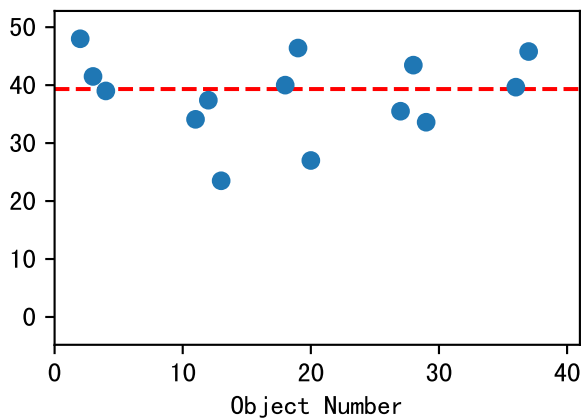
FrV_avgAbsY (Def=na Set=60.47)
avg1=60.47~19% avg2=na



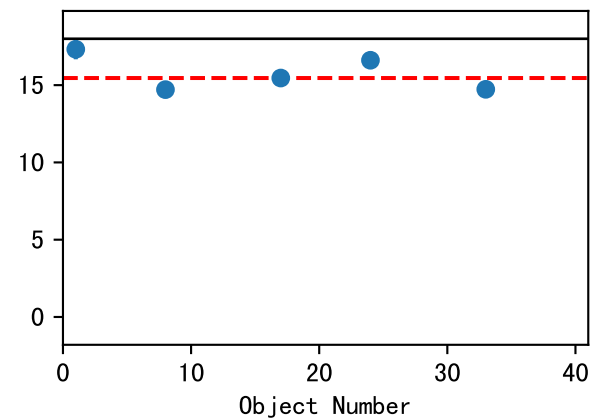
LfA_avgAbsY (Def=na Set=0.06)
avg1=0.06~32% avg2=na

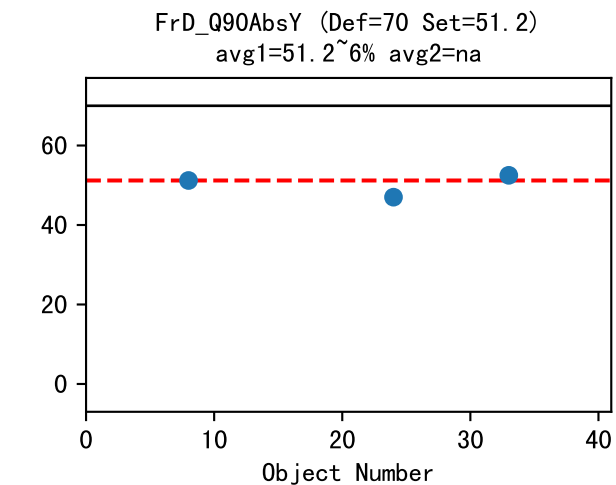
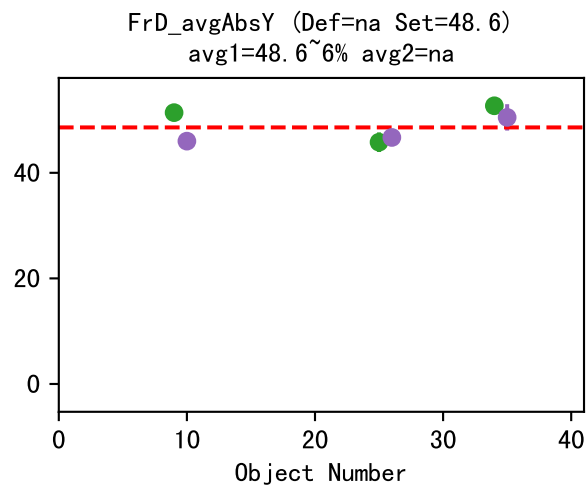
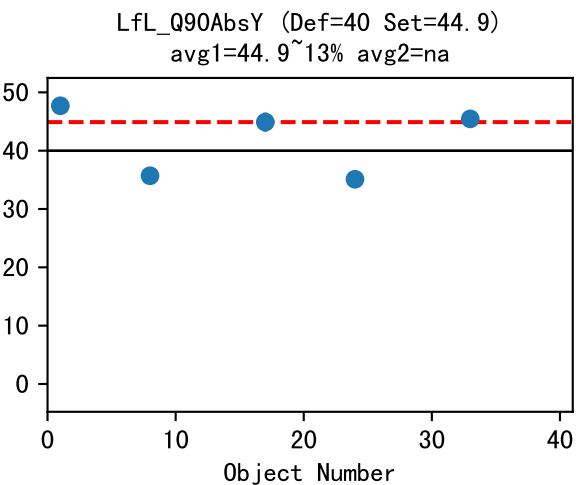
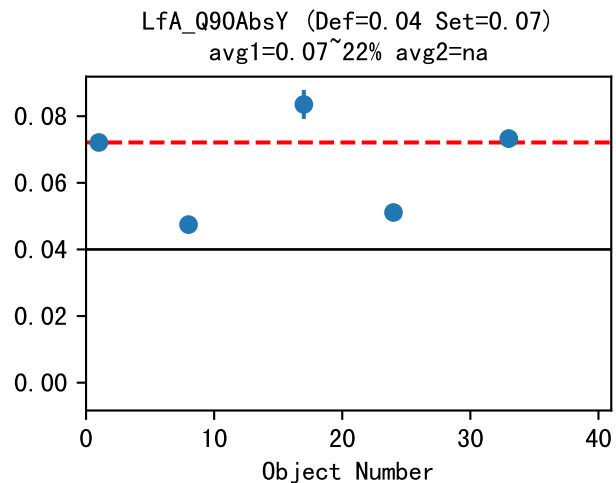
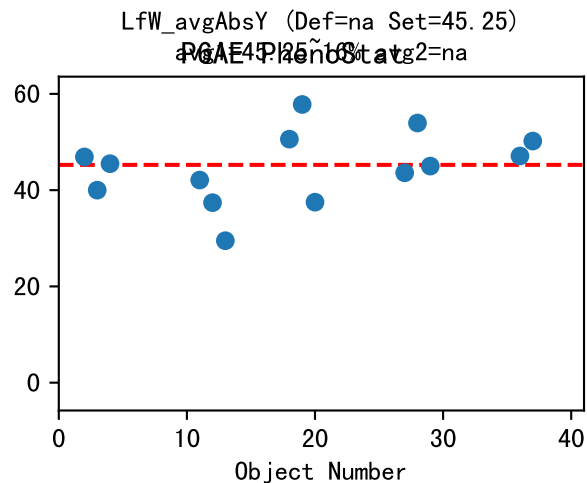
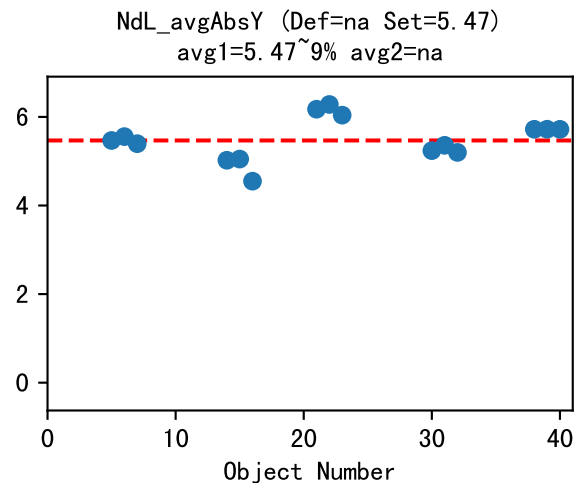


LfL_avgAbsY (Def=na Set=39.33)
avg1=39.33~18% avg2=na

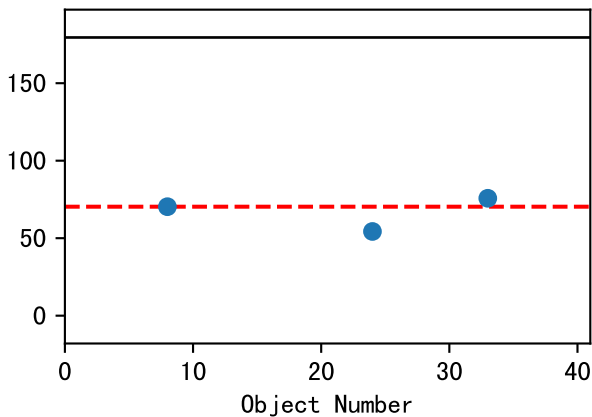


NdD_Q90AbsY (Def=18 Set=15.46)
avg1=15.46~8% avg2=na

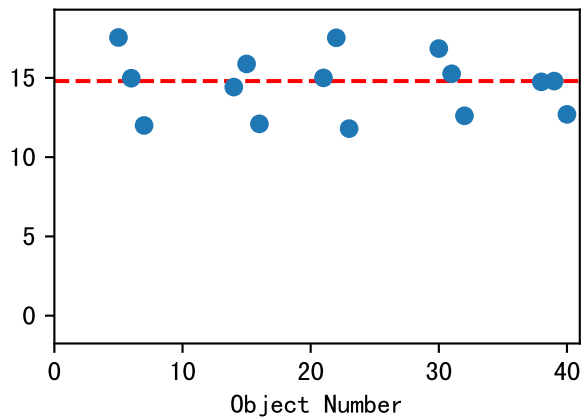




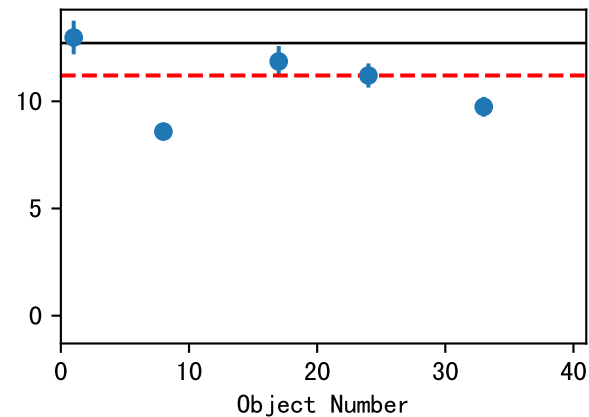
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=70.32~16% avg2=na



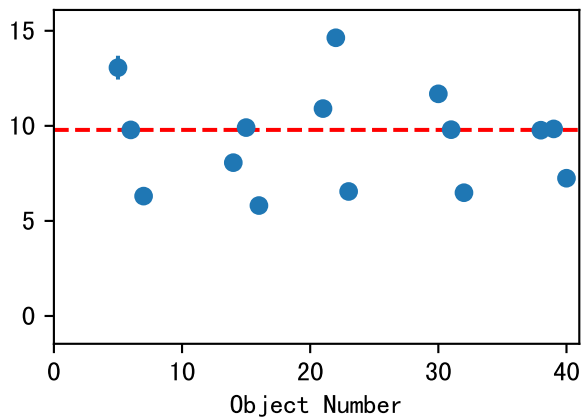
NdD_avgAbsY (Def=na Set=14.8)
avg1=14.8~13% avg2=na



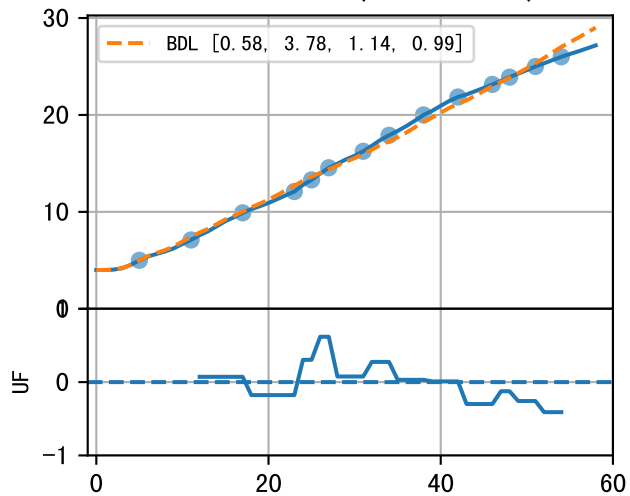
NdV_Q90AbsY (Def=12.72 Set=11.2)
avg1=11.2~15% avg2=na



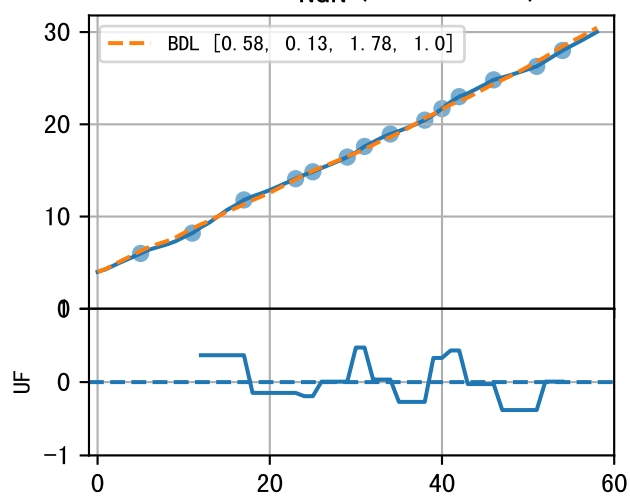
NdV_avgAbsY (Def=na Set=9.79)
avg1=9.79~27% avg2=na



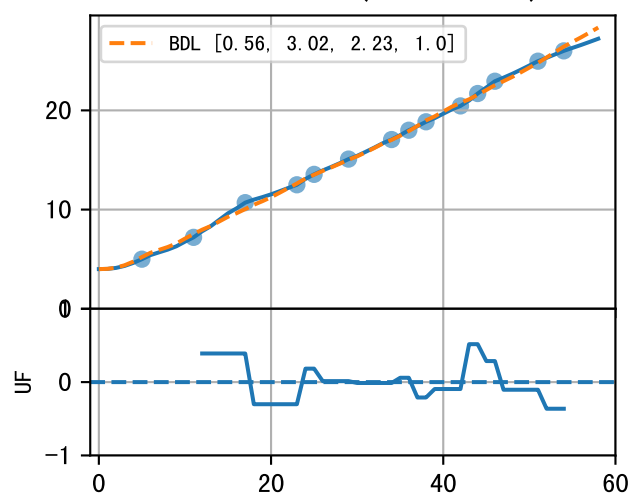
P6AE-007-10 (fit failed)



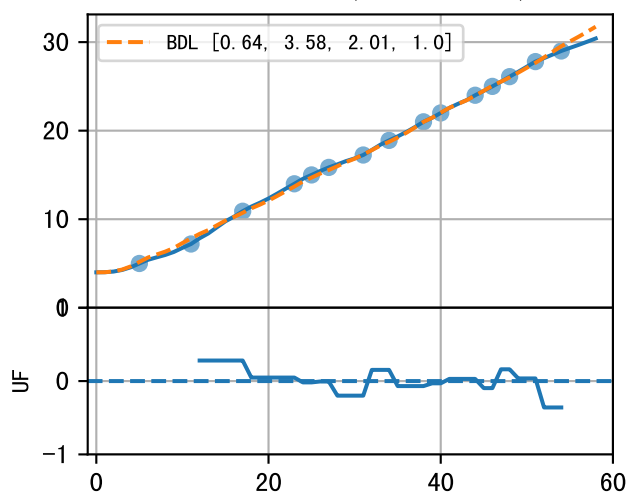
P6AE-014-17 (fit failed)



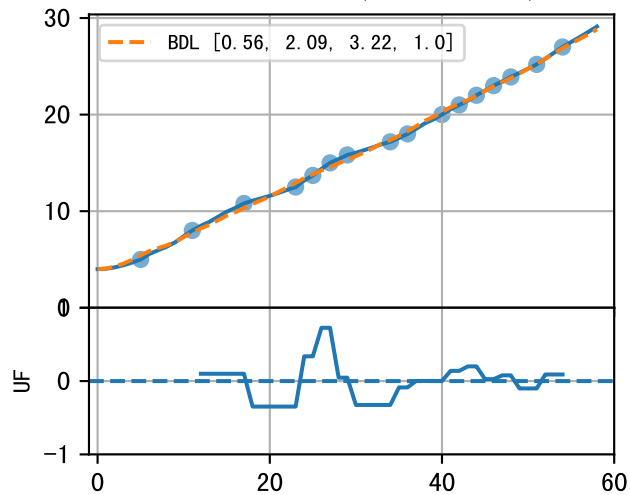
P6AE-026-25 (fit failed)



P6AE-033-4 (fit failed)



P6AE-045-12 (fit failed)

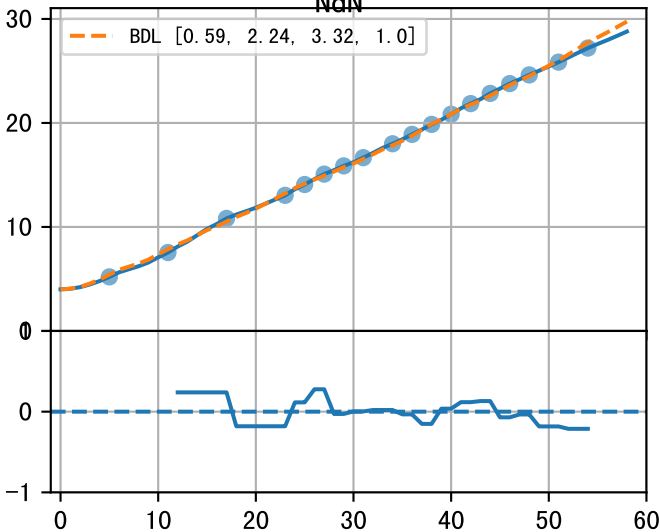


P6AEavg (fit failed)

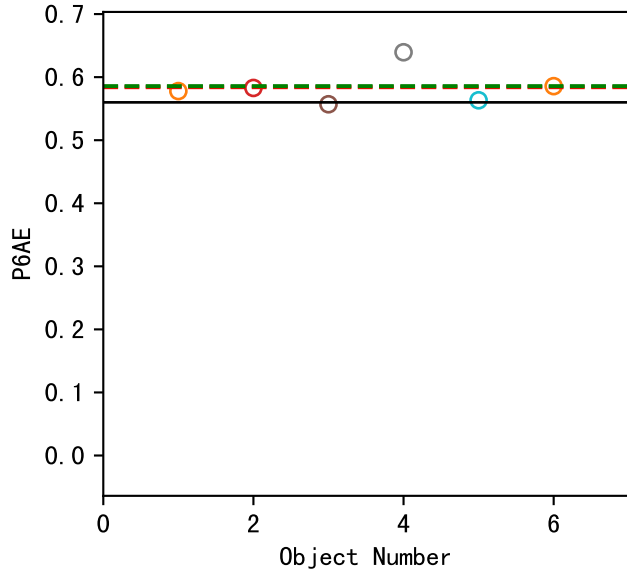
NaN

BDL [0.59, 2.24, 3.32, 1.0]

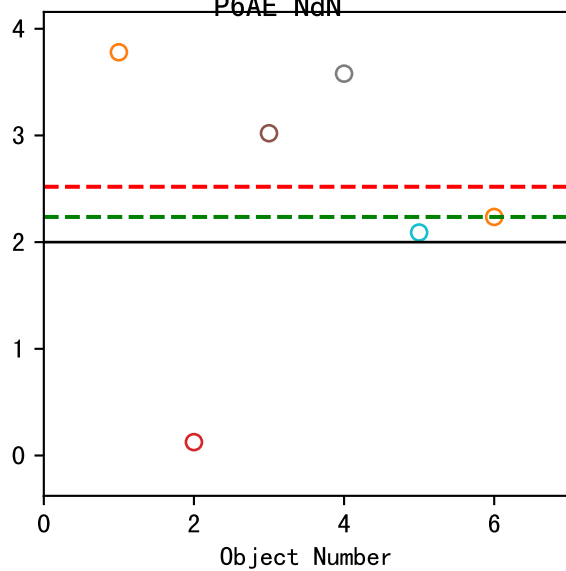
UF



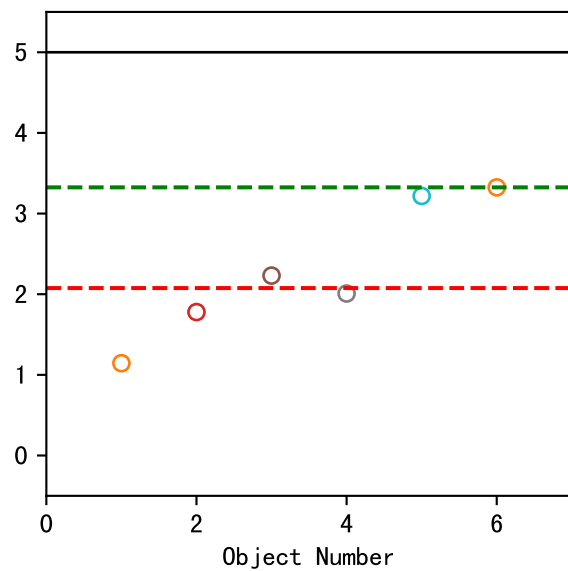
a (Def=0.56 Set=0.59)
avg1=0.58(fail) avg2=0.59



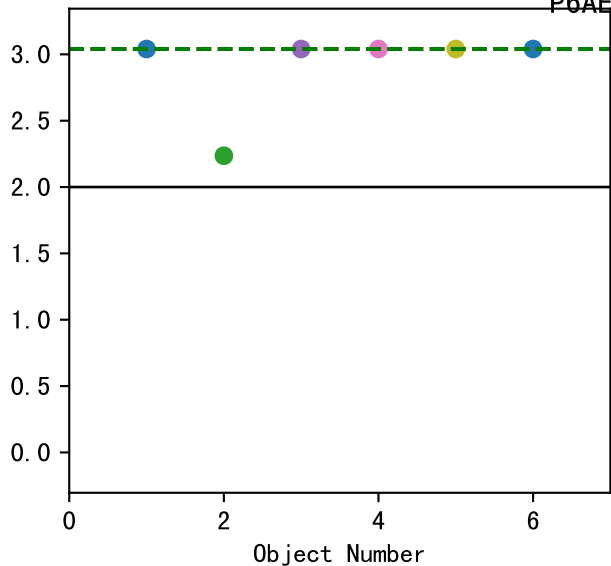
dm (Def=2 Set=2.24)
avg1=2.52(fail) avg2=2.24



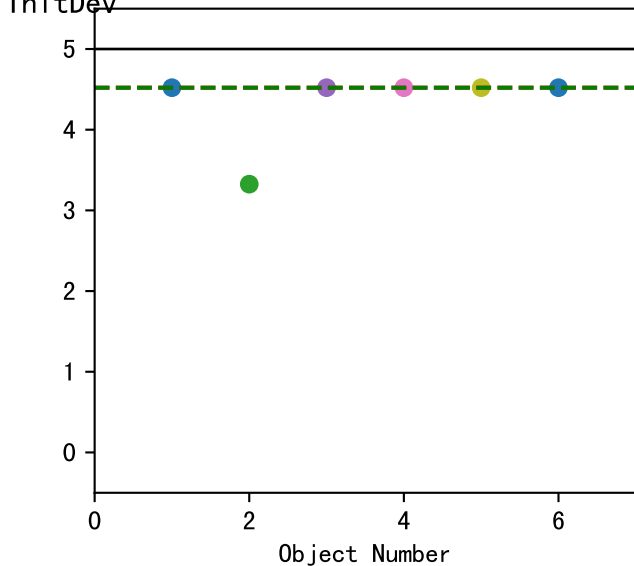
de (Def=5 Set=3.32)
avg1=2.08(fail) avg2=3.32



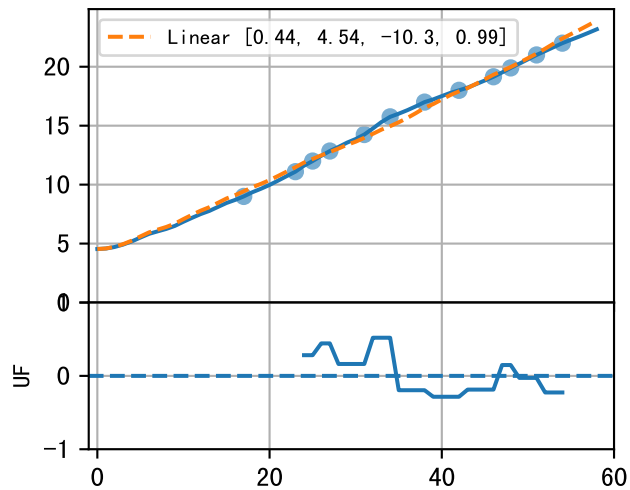
InitDev_dm (Def=2 Set=3.04)
avg1=3.04~0% avg2=3.04



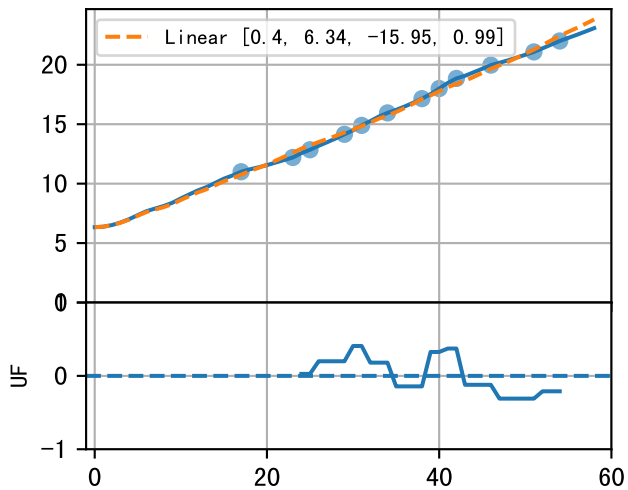
InitDev_de (Def=5 Set=4.52)
avg1=4.52~0% avg2=4.52



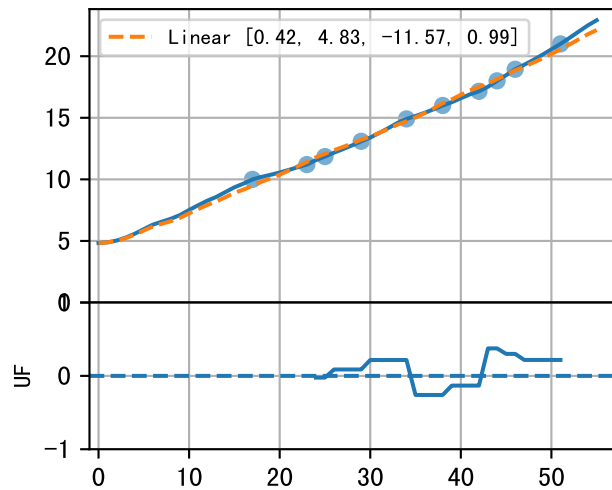
P6AE-007-10



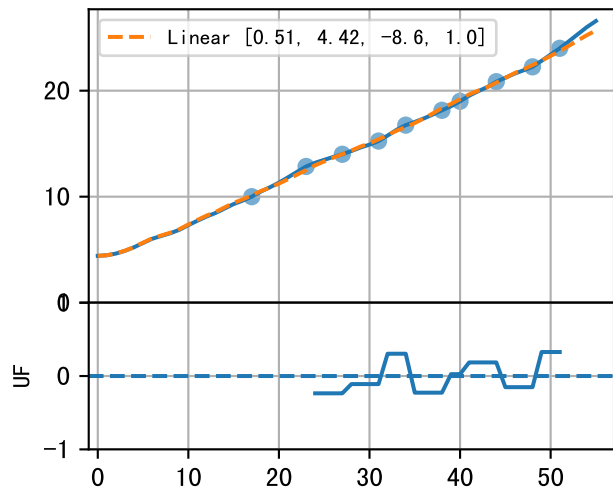
P6AE-014-17



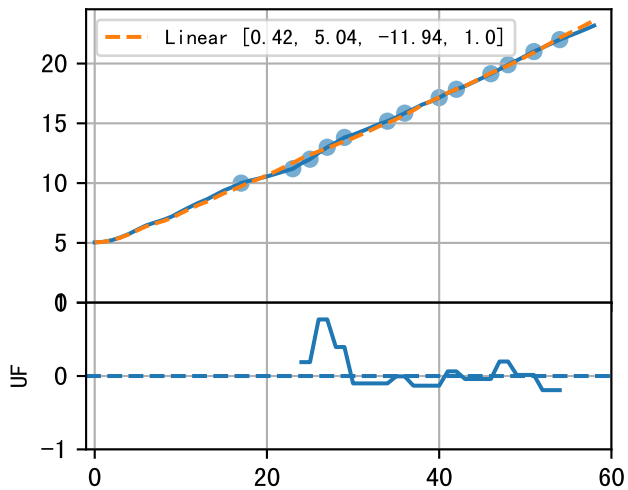
P6AE-026-25

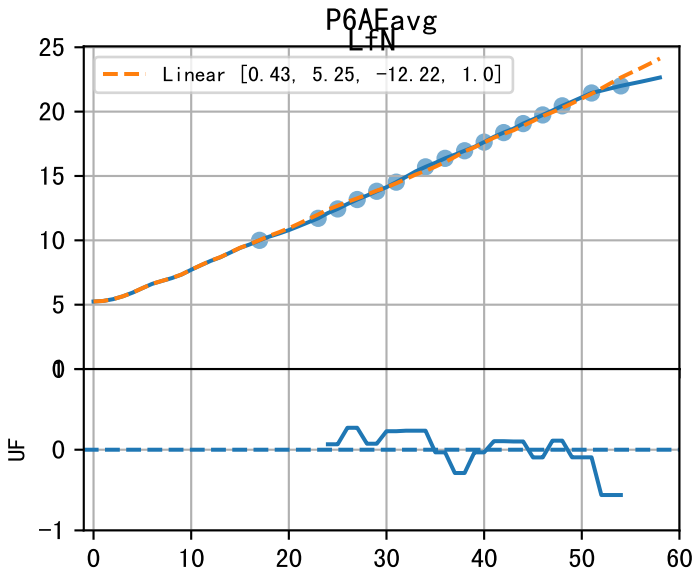


P6AE-033-4

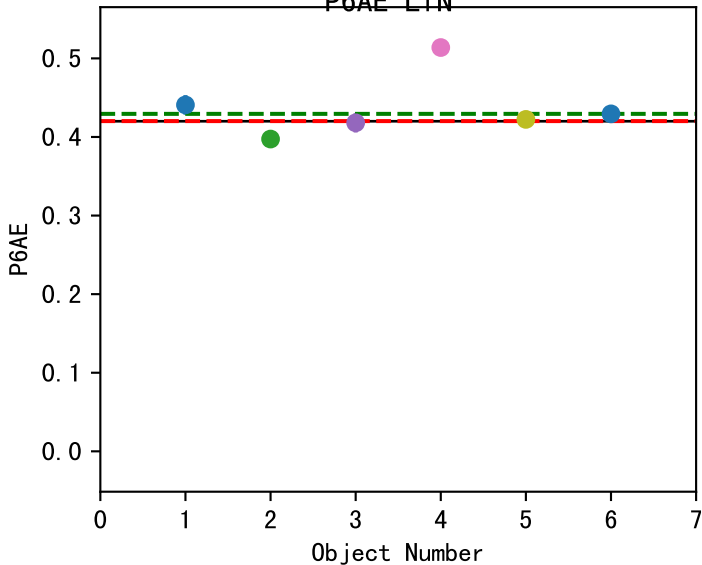


P6AE-045-12

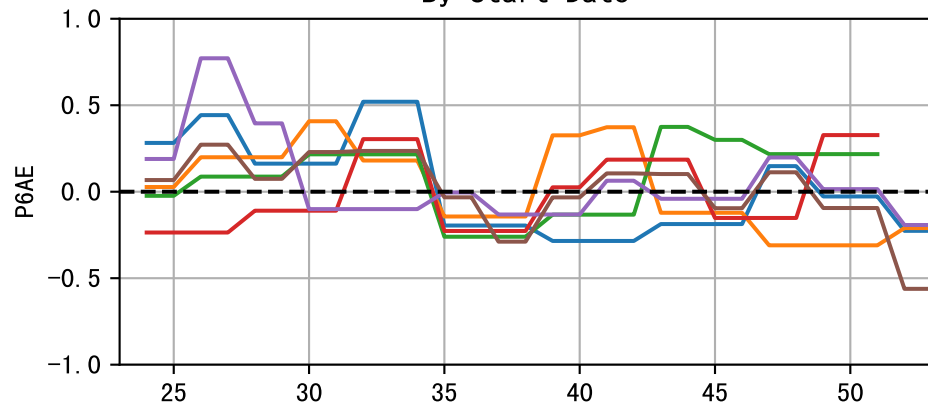




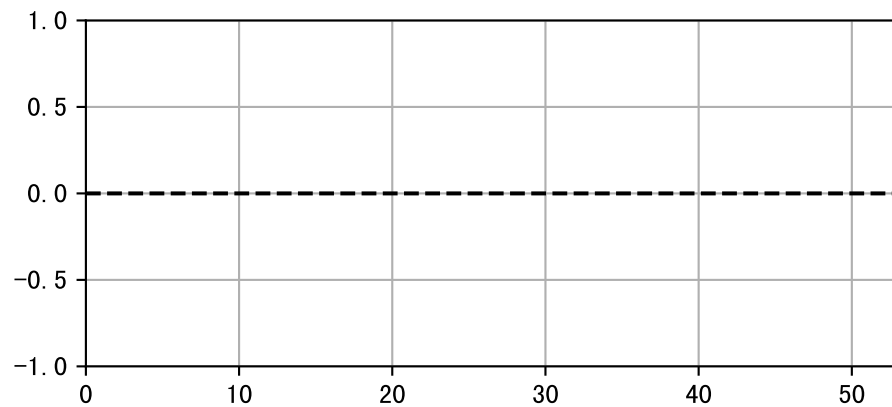
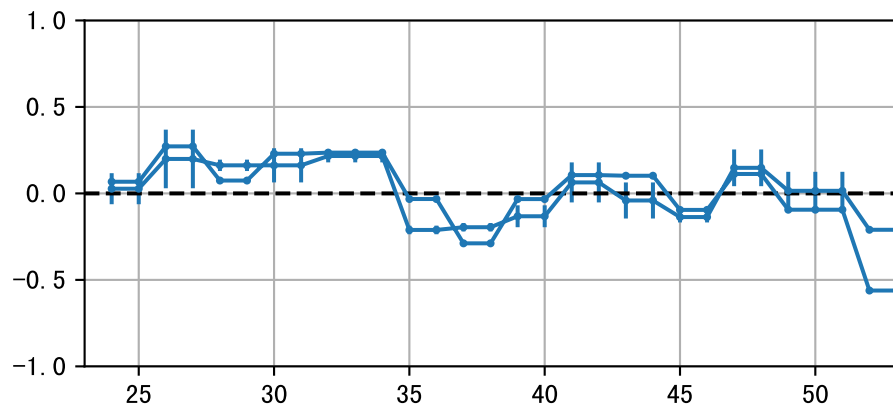
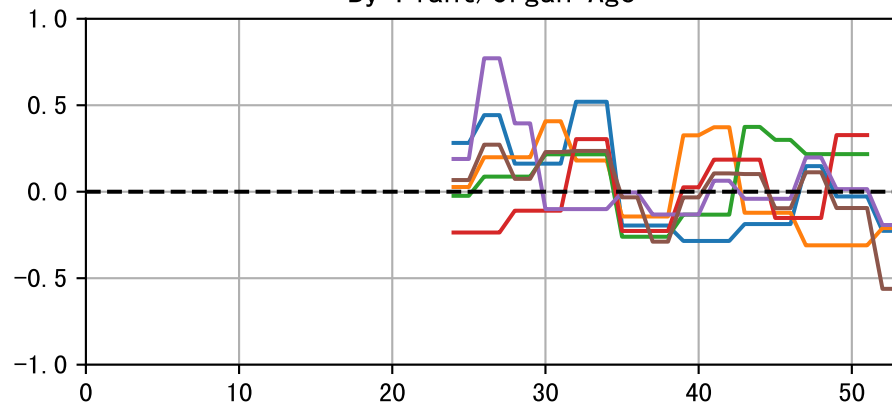
a (Def=0.42 Set=0.43)
avg1=0.42~4% avg2=0.43~4%
P6AE LfN



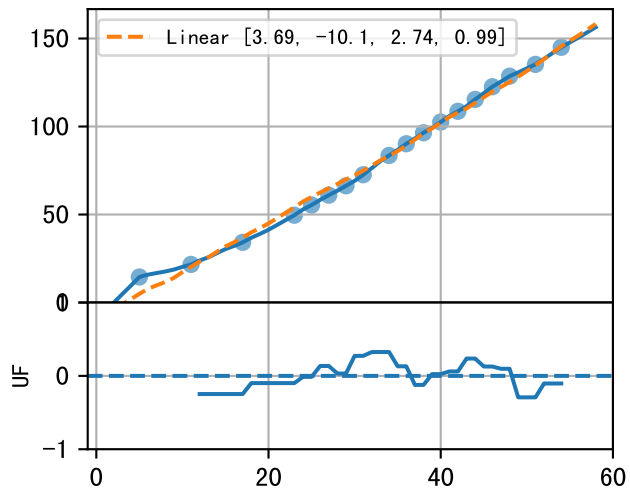
By Start Date



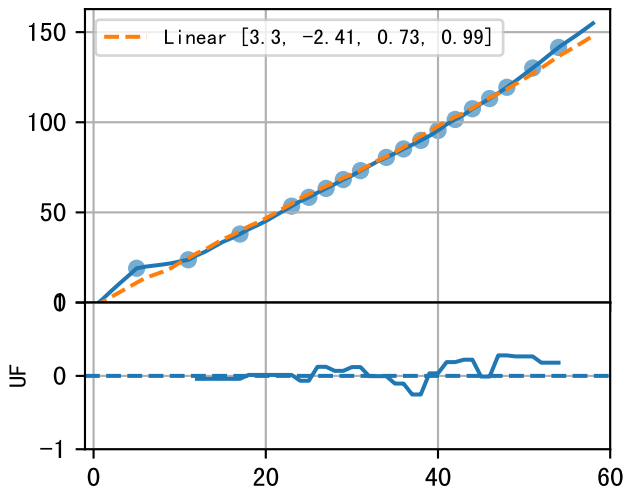
By Plant/Organ Age



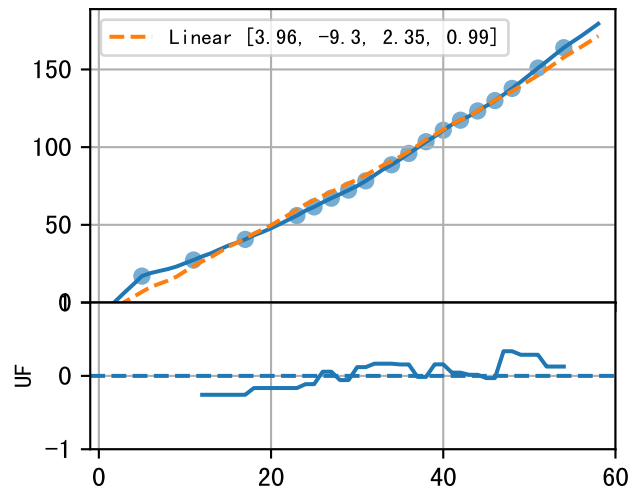
P6AE-007-10



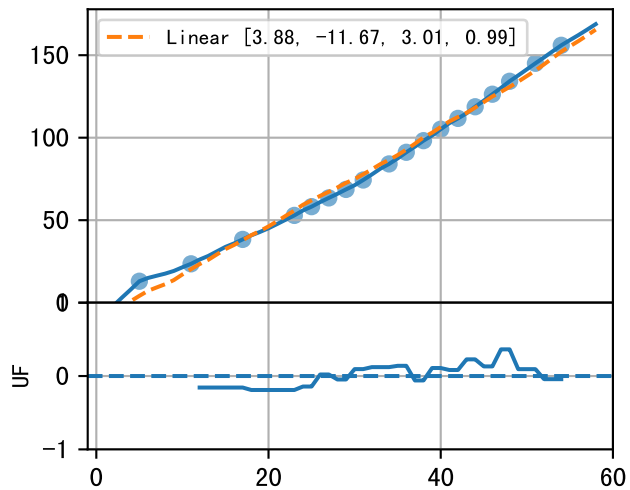
P6AE-014-17



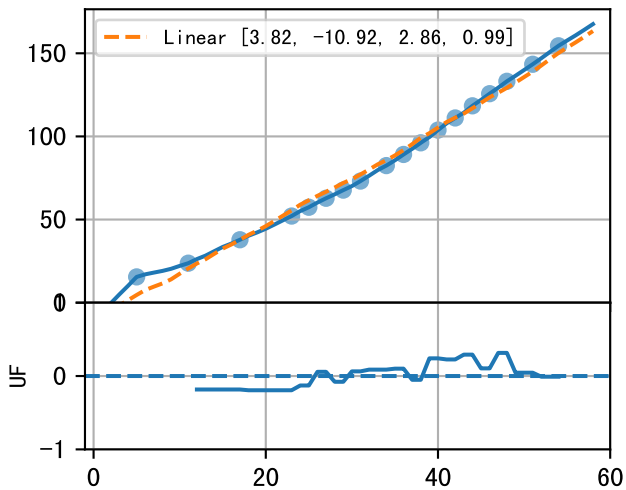
P6AE-026-25



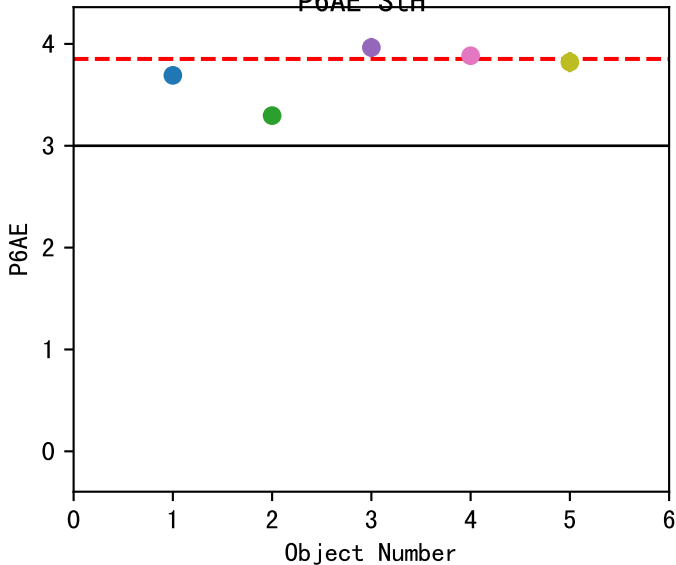
P6AE-033-4



P6AE-045-12

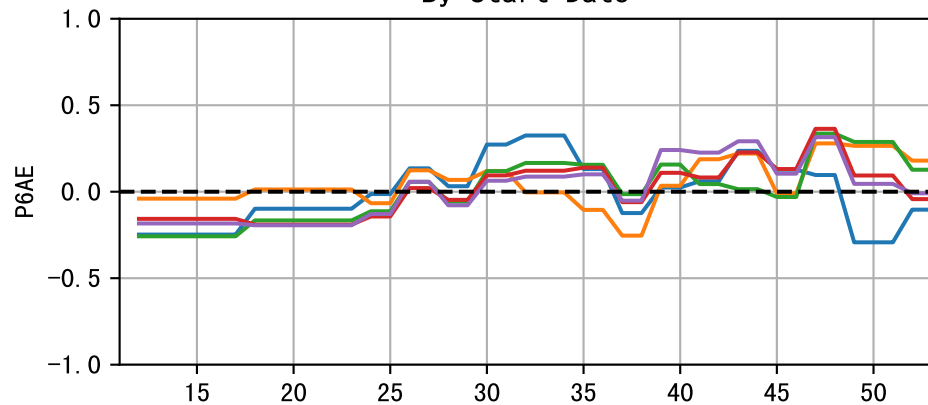


a (Def=3 Set=3.85)
avg1=3.85~3% avg2=na
P6AE StH

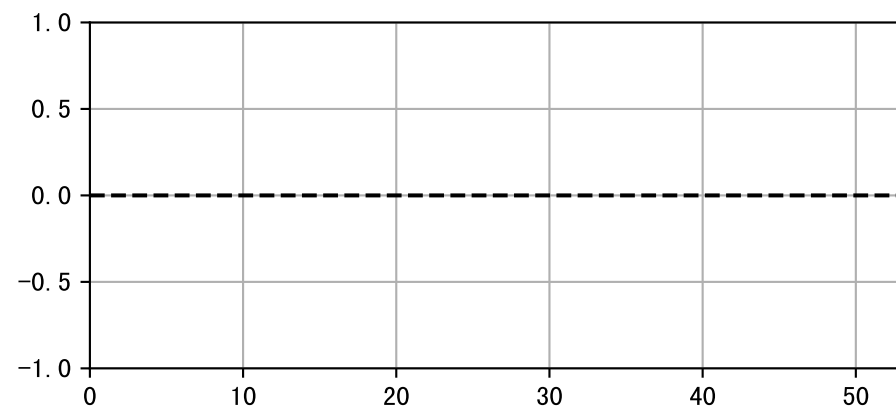
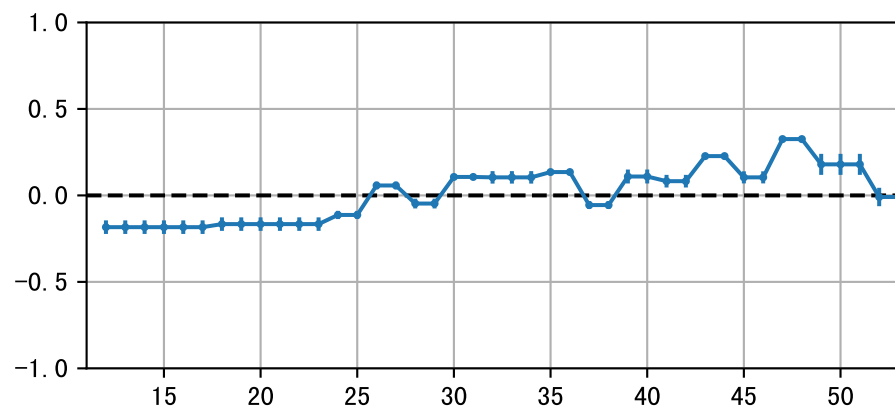
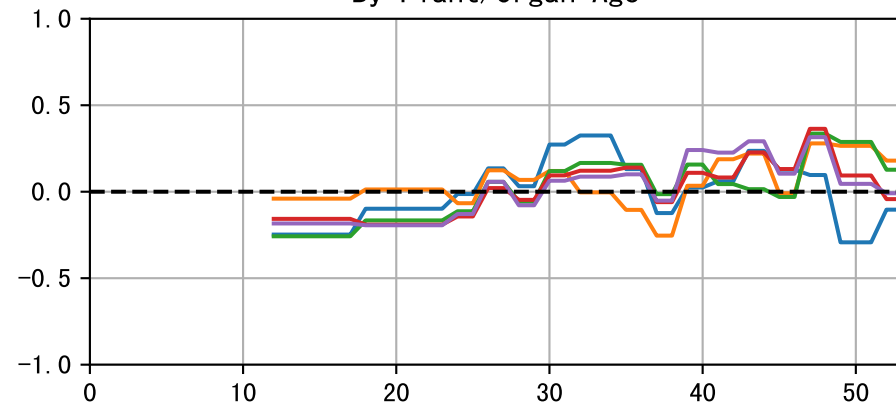


StH

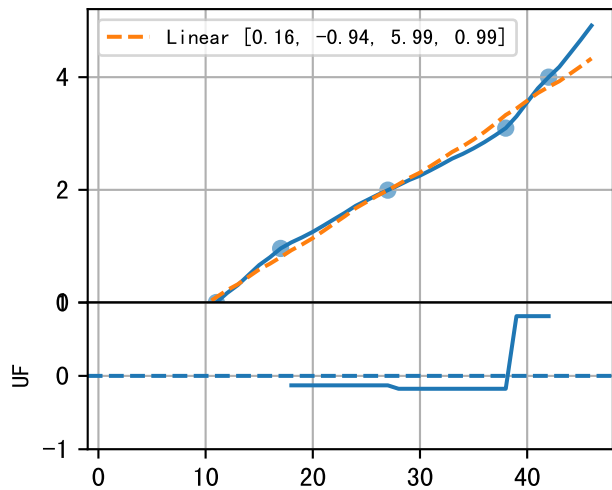
By Start Date



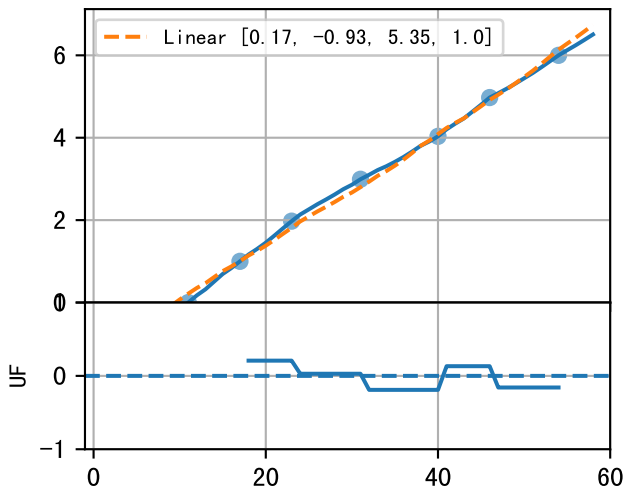
By Plant/Organ Age



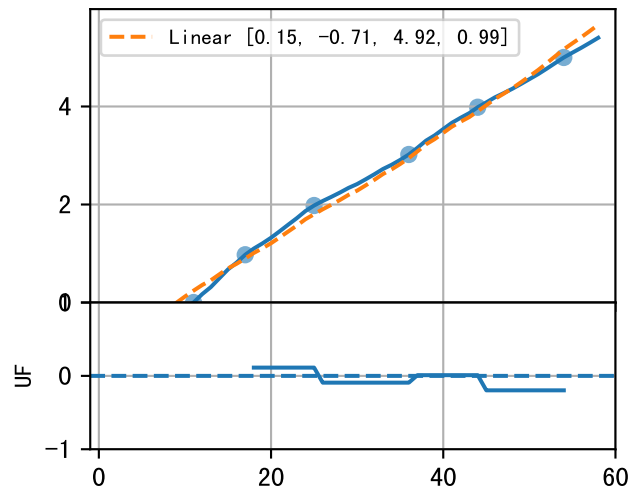
P6AE-007-10



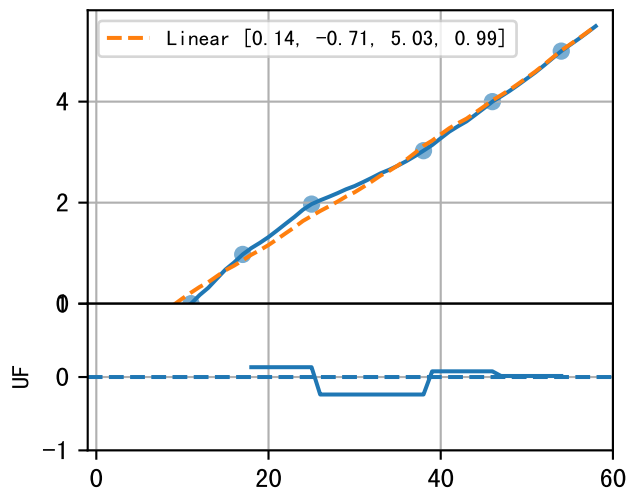
P6AE-014-17



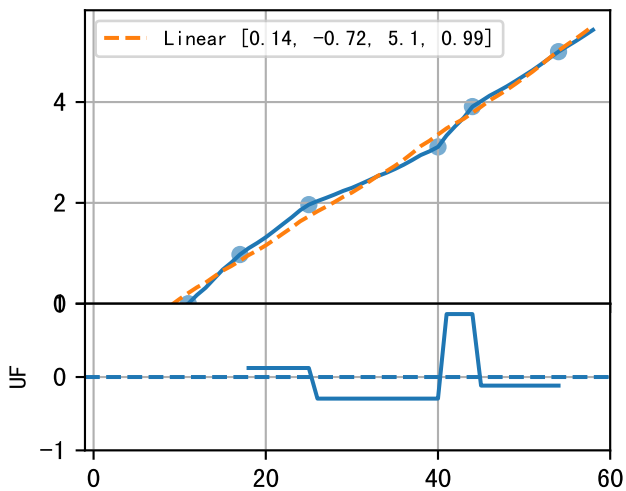
P6AE-026-25



P6AE-033-4



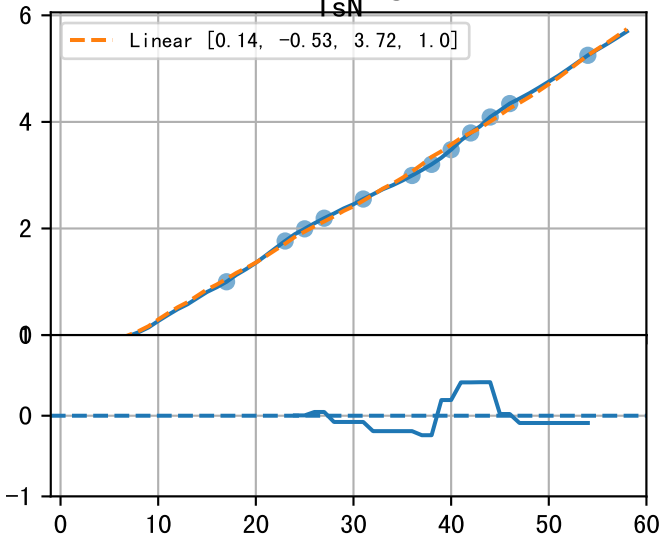
P6AE-045-12



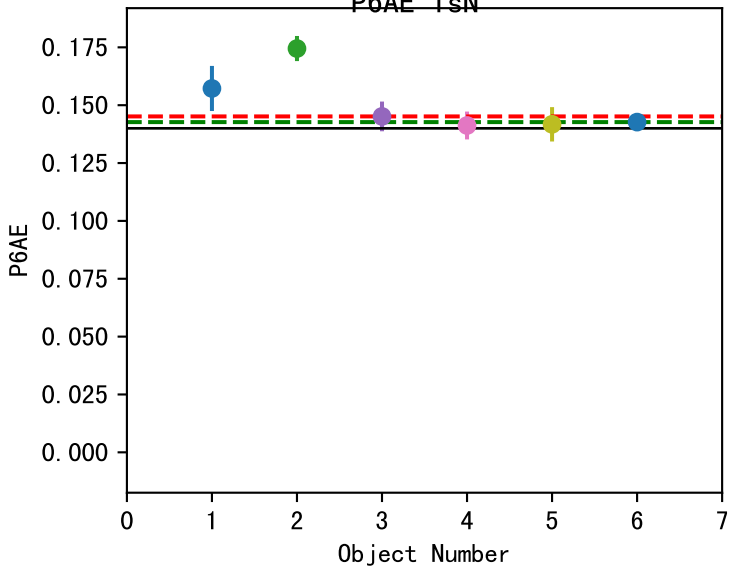
P6AEavg
TSN

Linear [0.14, -0.53, 3.72, 1.0]

UF

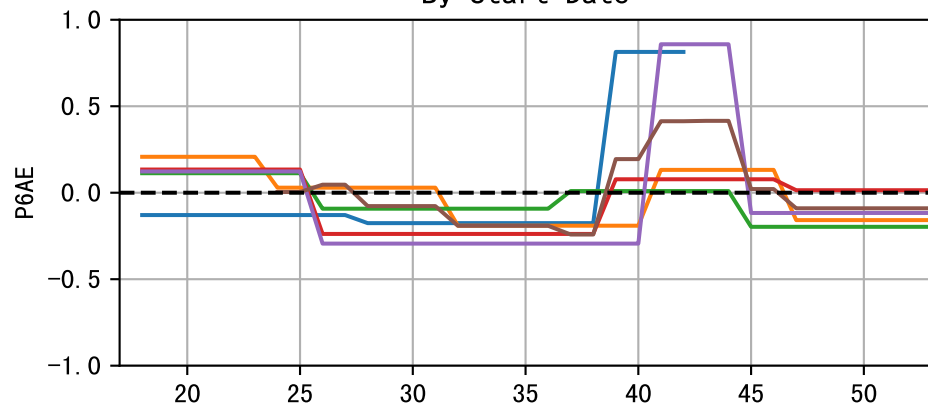


a (Def=0.14 Set=0.14)
avg1=0.15~10% avg2=0.14~4%
P6AE TSN

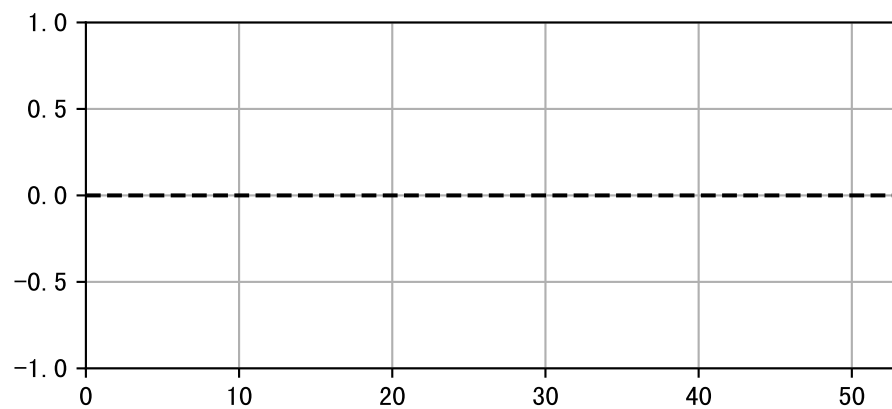
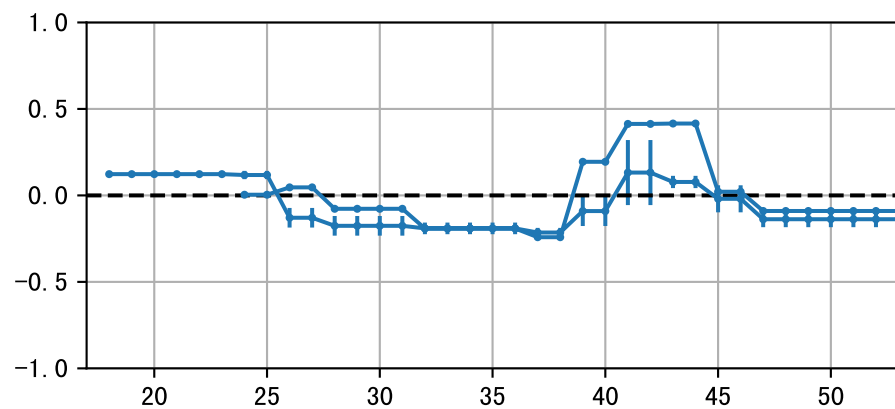
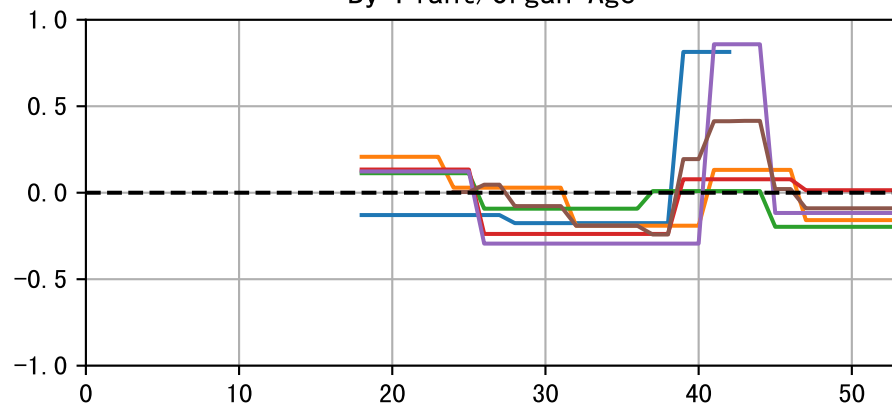


TsN

By Start Date

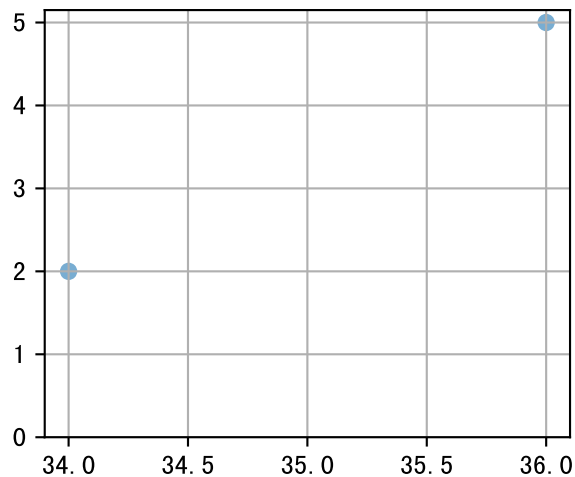


By Plant/Organ Age

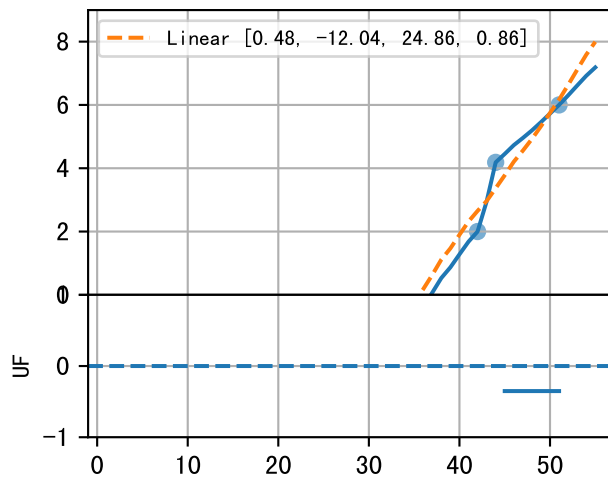


ErN

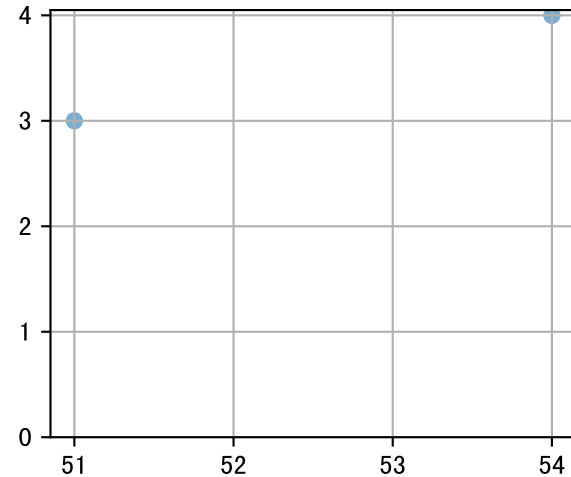
P6AE-007-10T2 (fit failed)



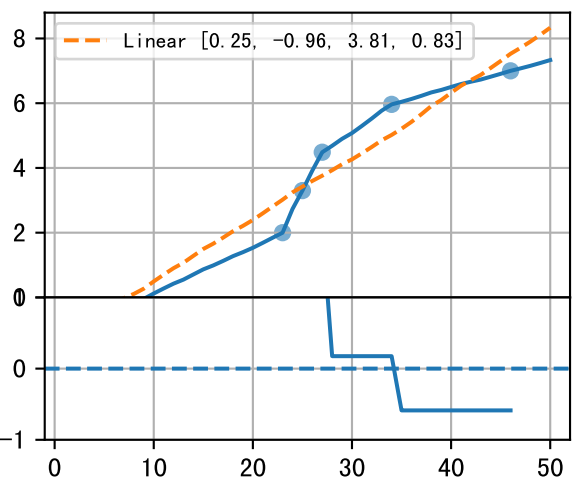
P6AE-007-10T3



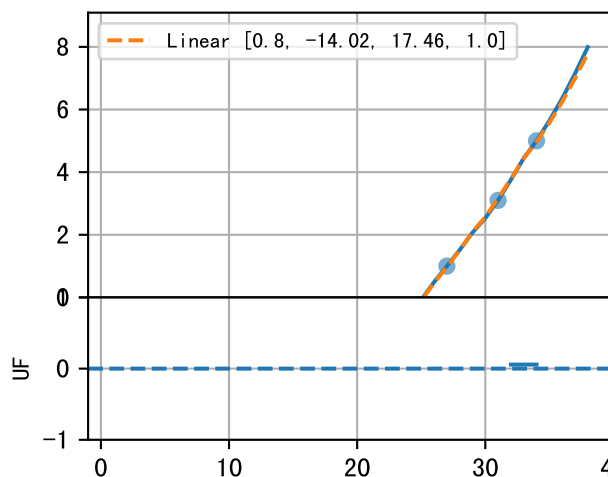
P6AE-007-10T4 (fit failed)



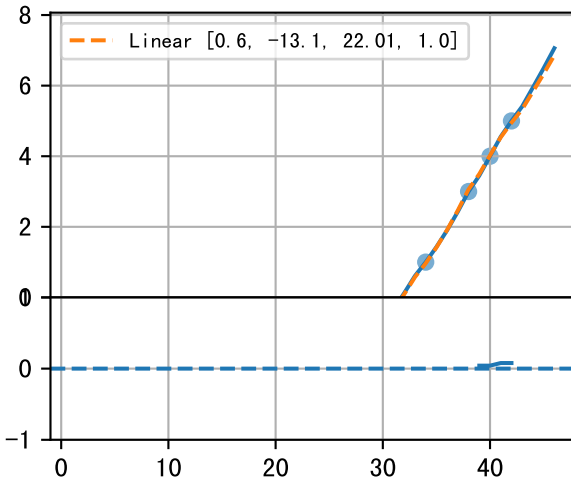
P6AE-014-17T1



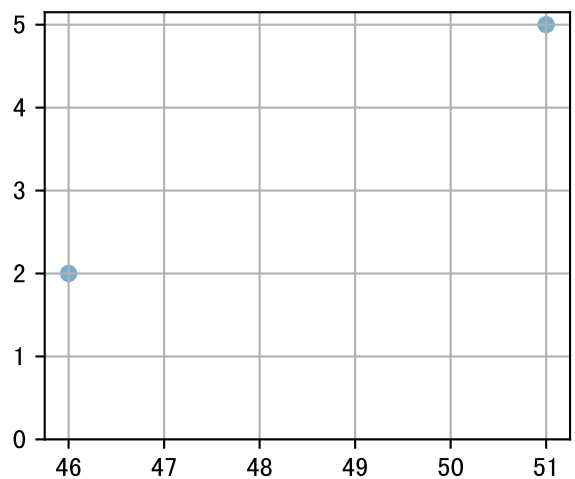
P6AE-014-17T2



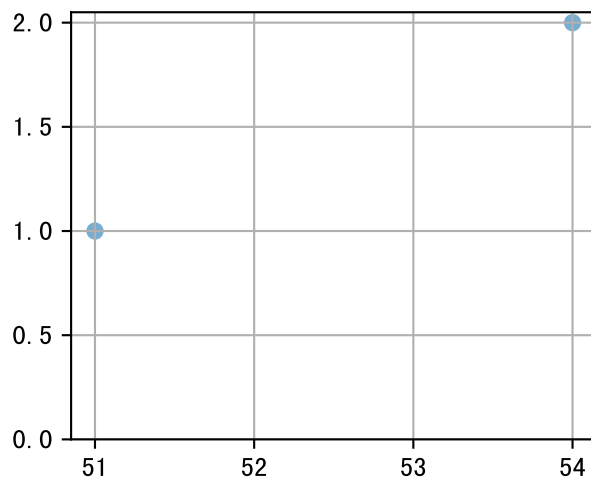
P6AE-014-17T3



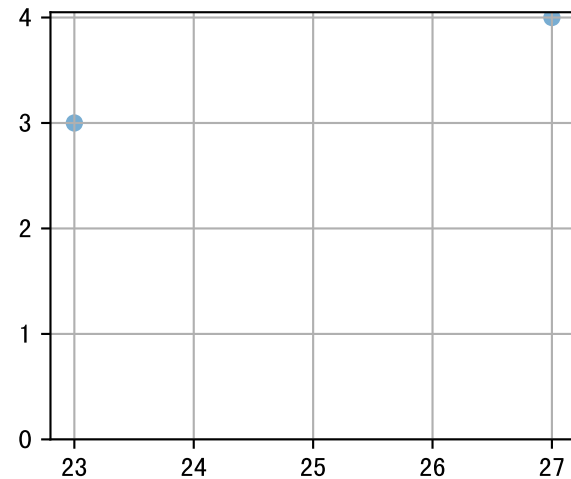
P6AE-014-17T4 (fit failed)



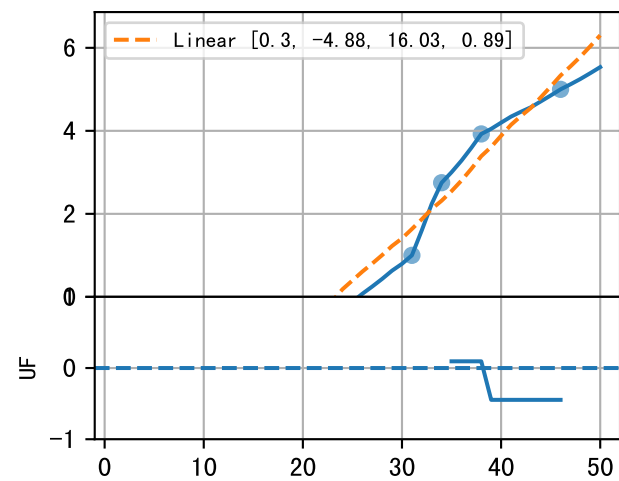
P6AE-014-17T5 (fit failed)



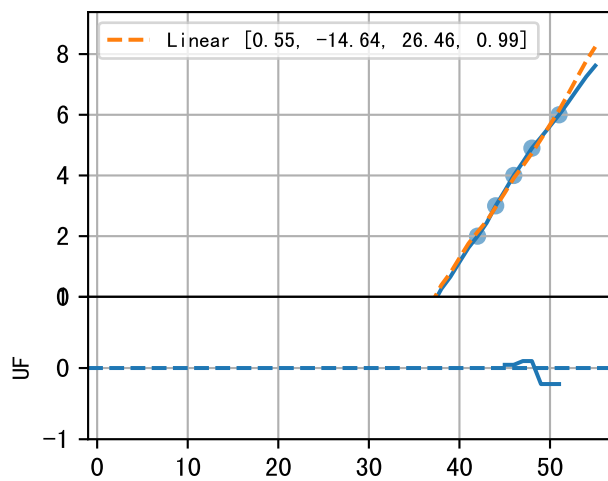
P6AE-026-25T1 (fit failed)



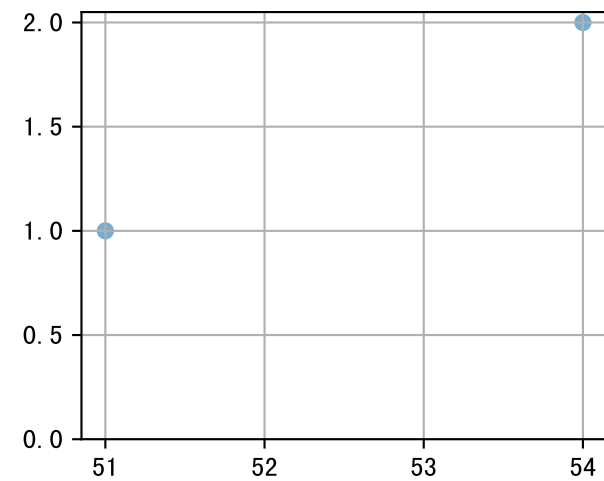
P6AE-026-25T2



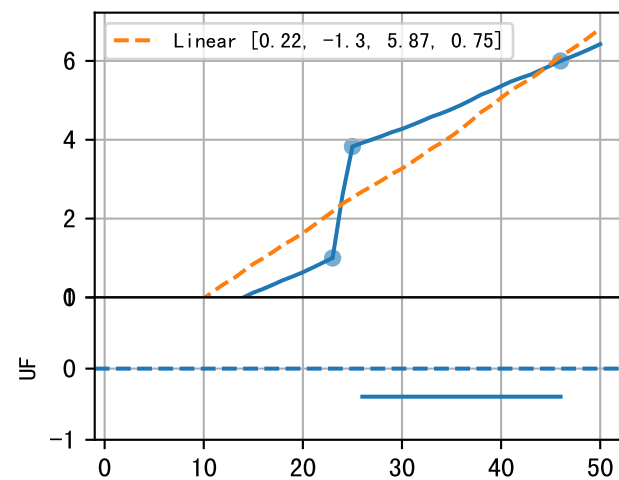
P6AE-026-25T3



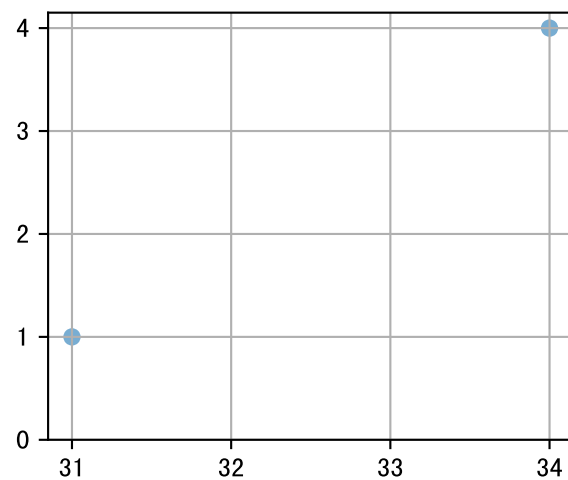
P6AE-026-25T4 (fit failed)



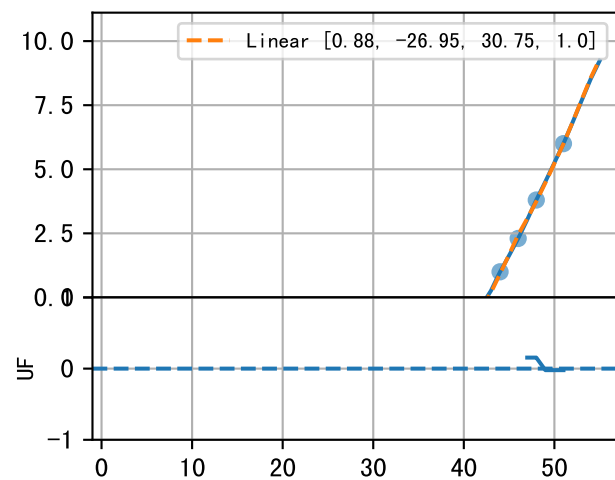
P6AE-033-4T1



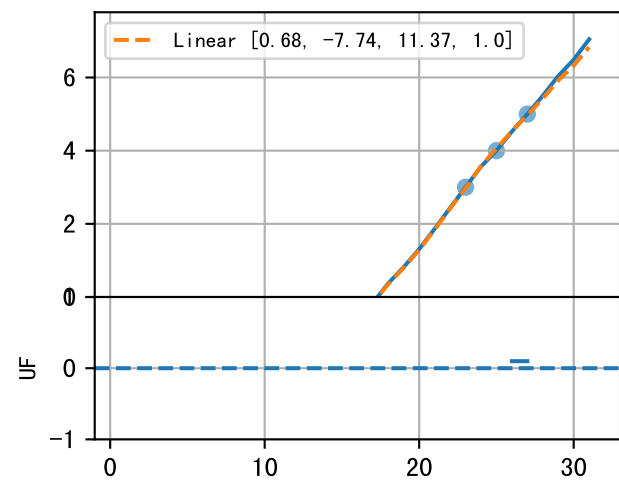
P6AE-033-4T2 (fit failed)



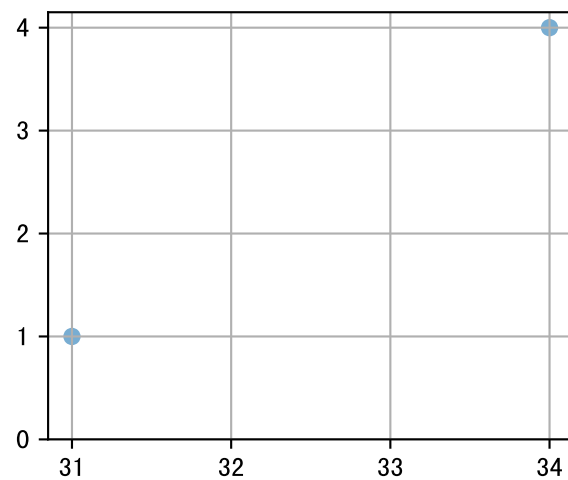
P6AE-033-4T3



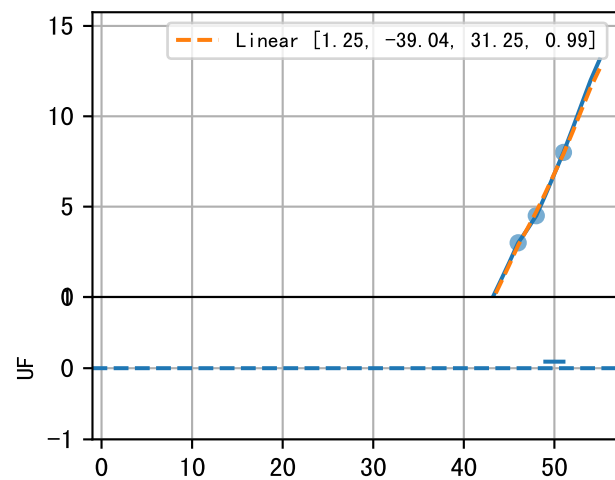
P6AE-045-12T1



P6AE-045-12T2 (fit failed)

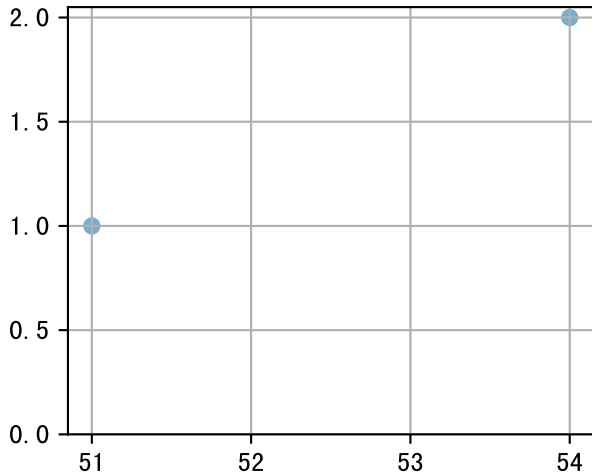


P6AE-045-12T3

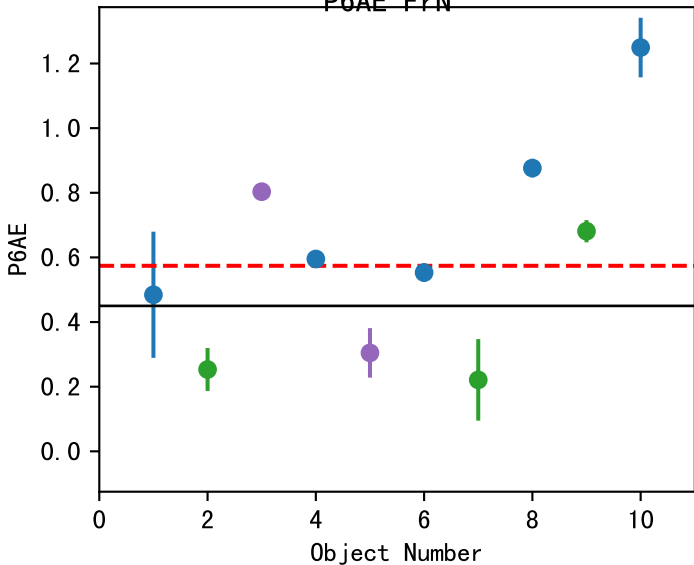


P6AE-045-12T4 (fit failed)

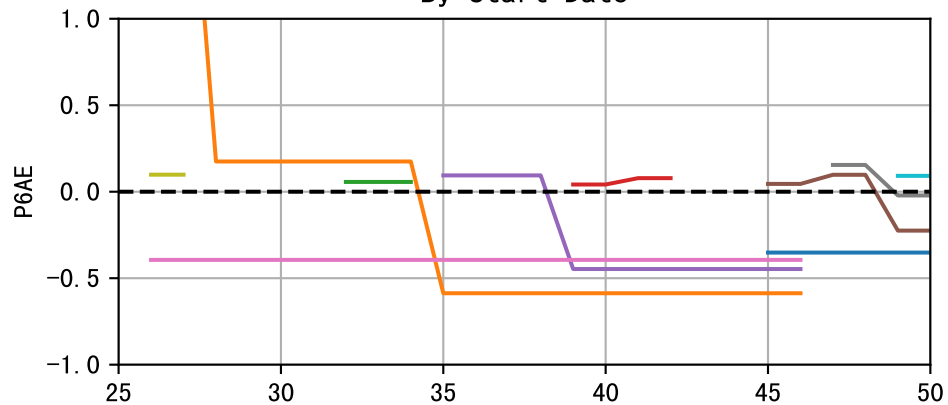
FrN



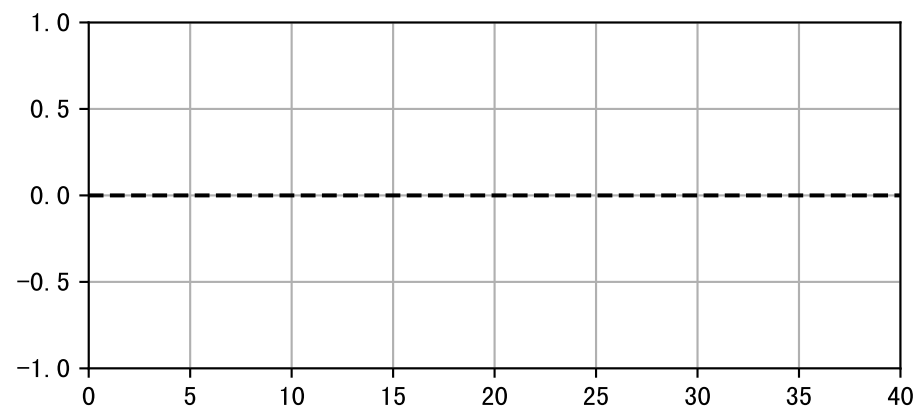
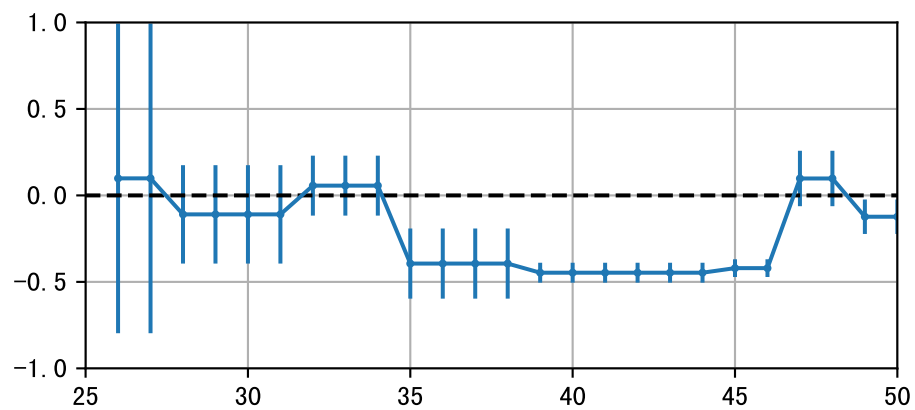
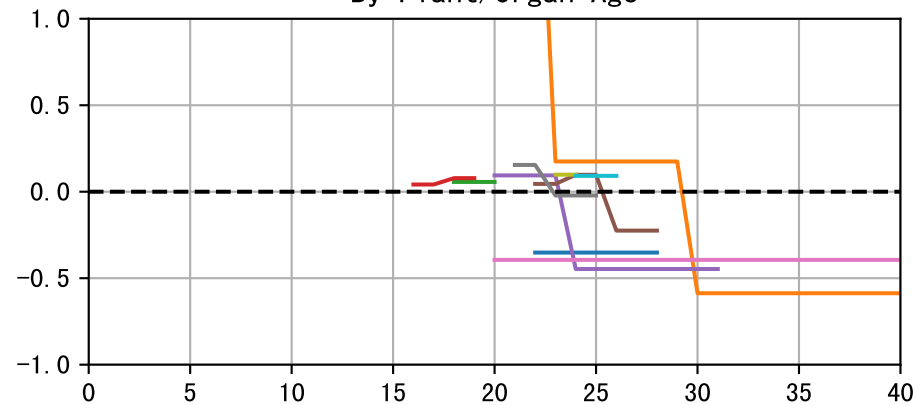
a (Def=0.45 Set=0.57)
avg1=0.57~55% avg2=na



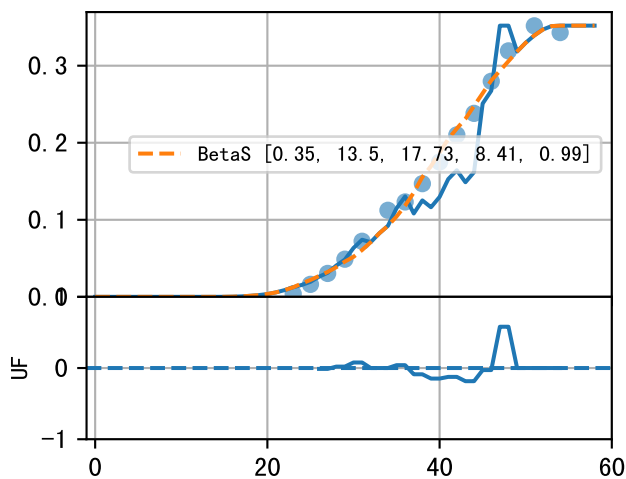
By Start Date



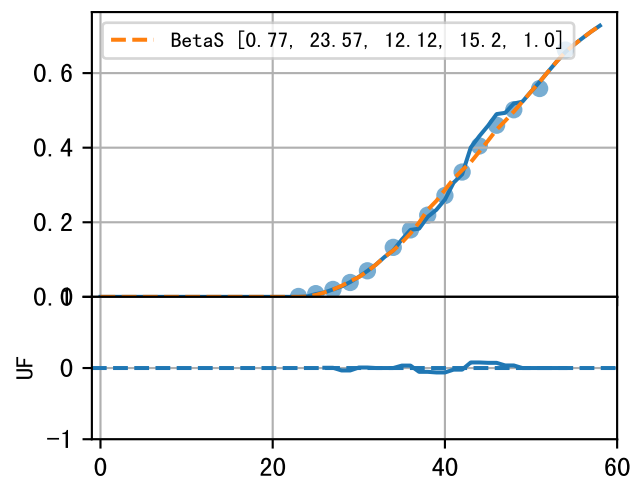
By Plant/Organ Age



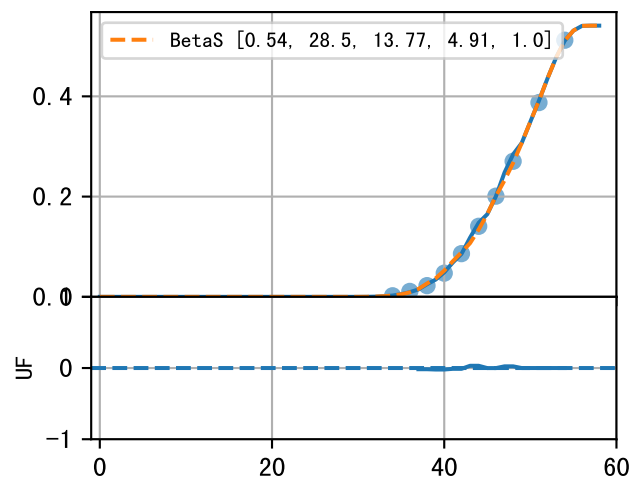
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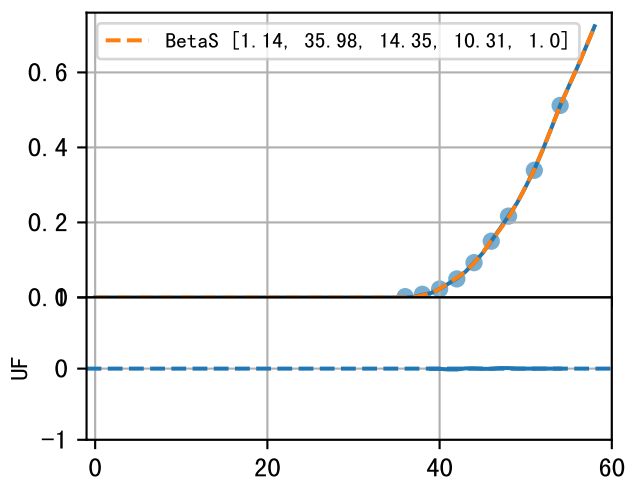
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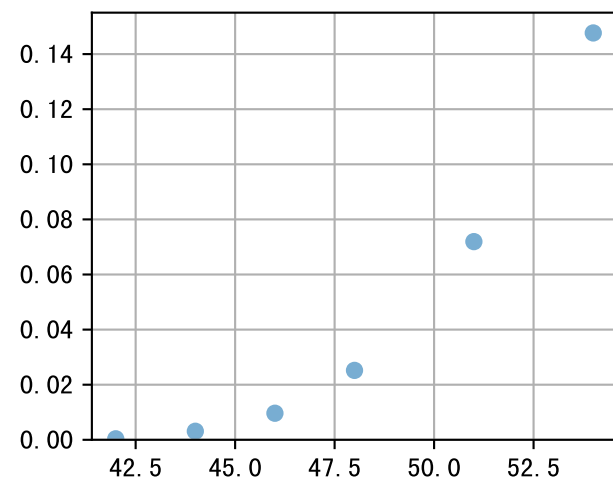
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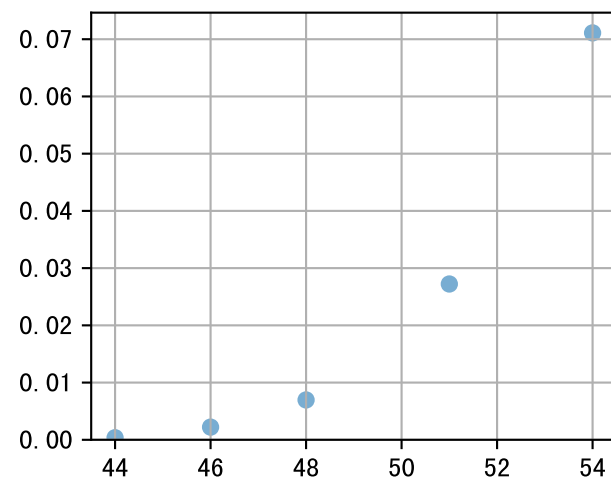
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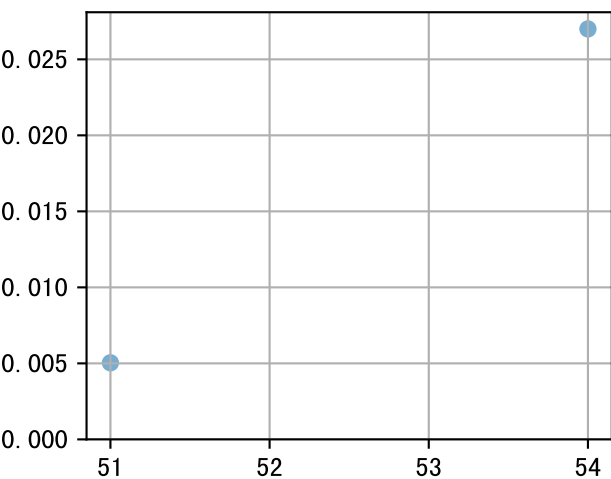
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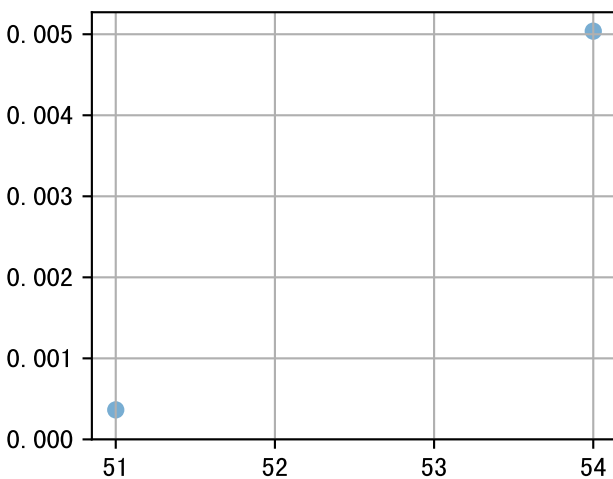
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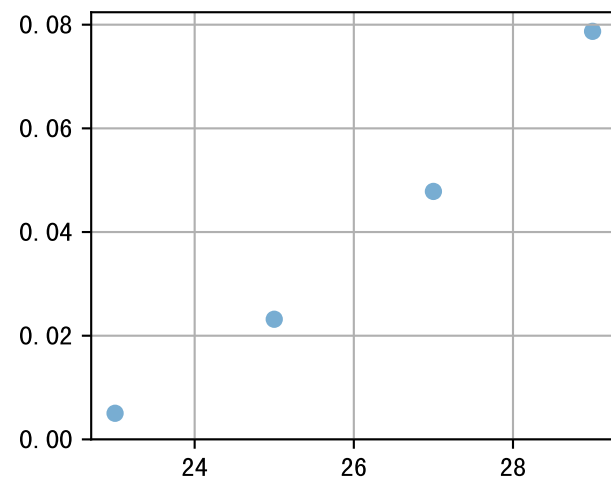
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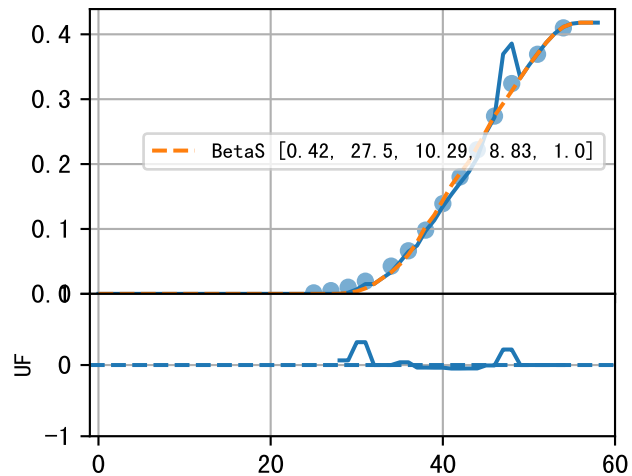
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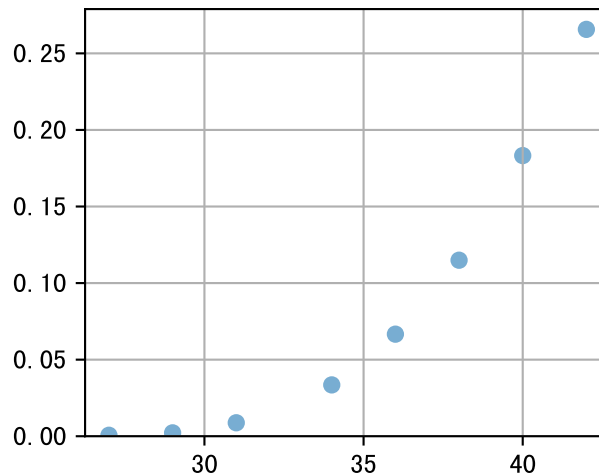
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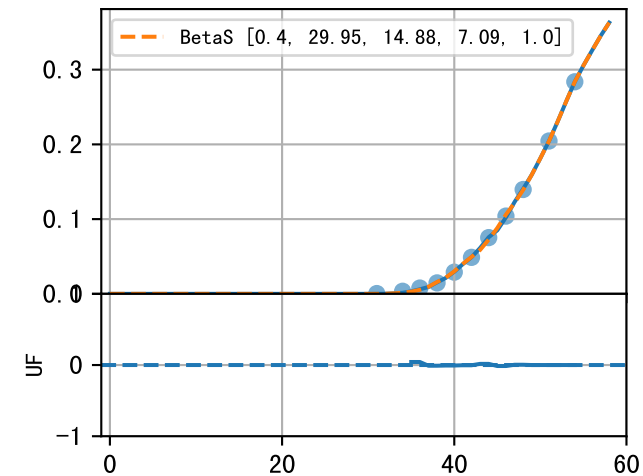
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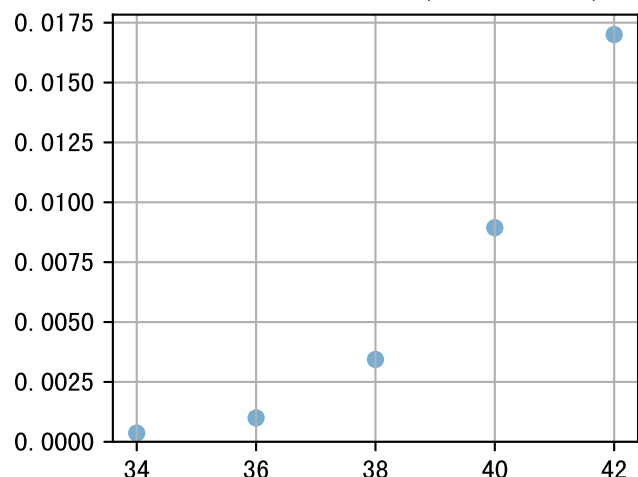
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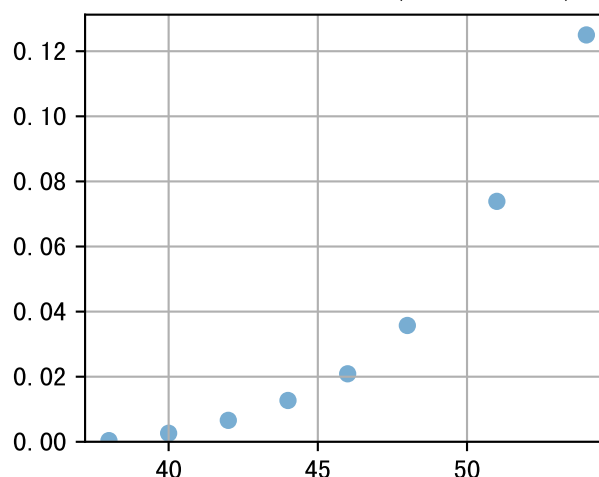
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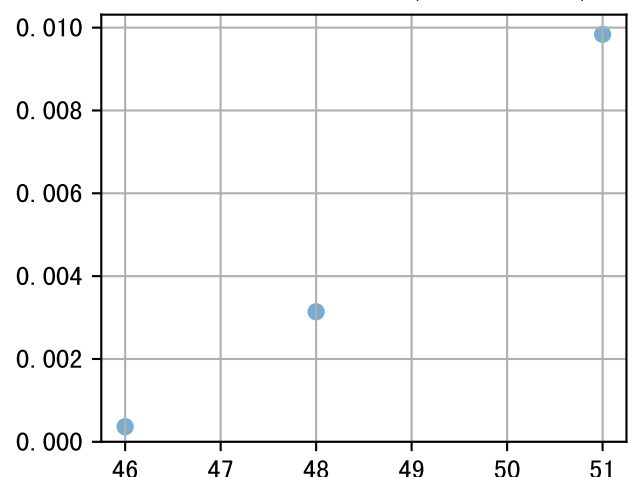
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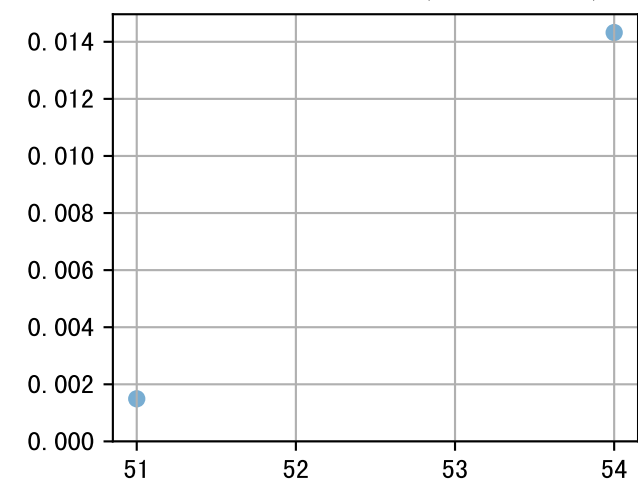
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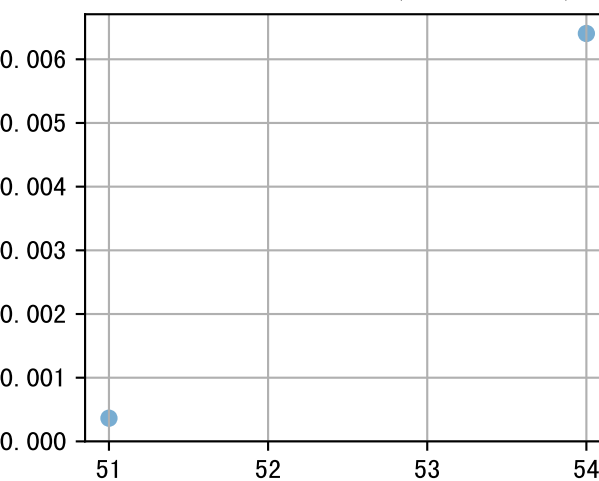
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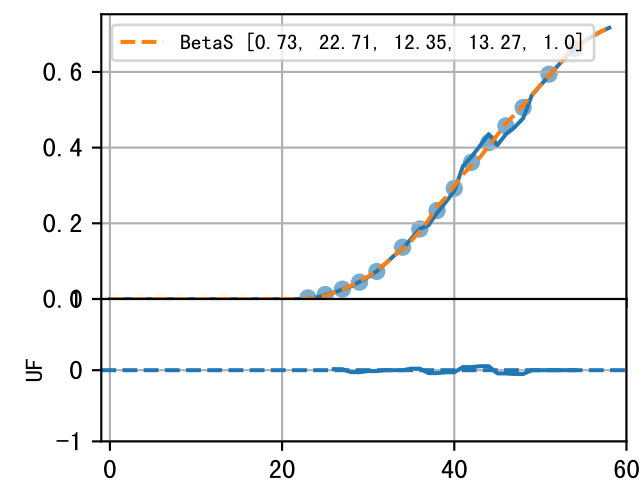
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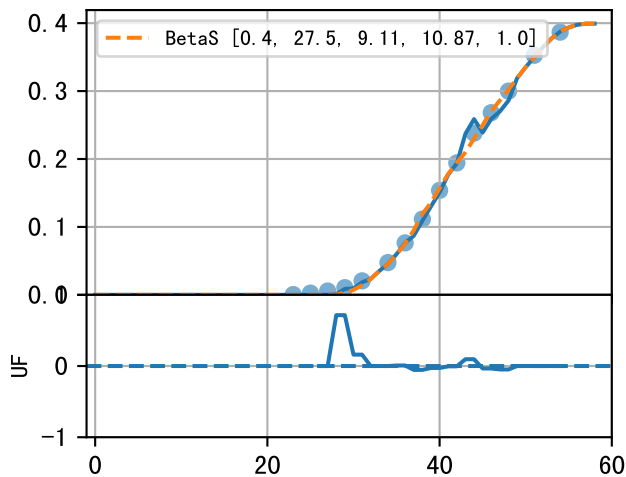
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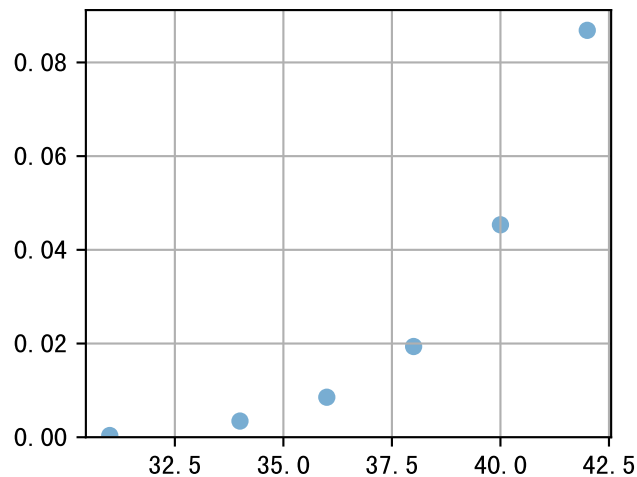
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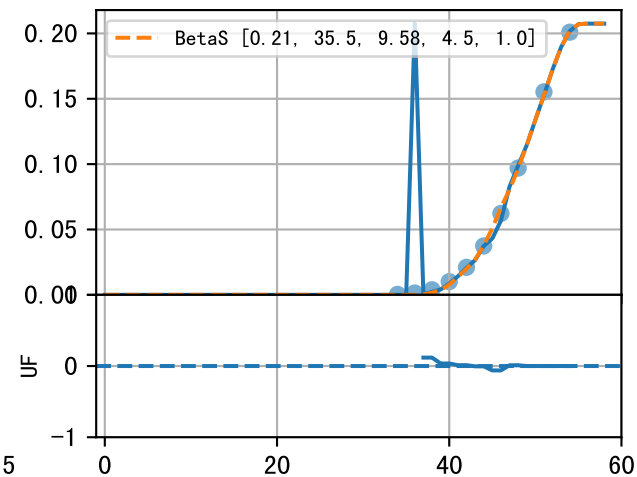
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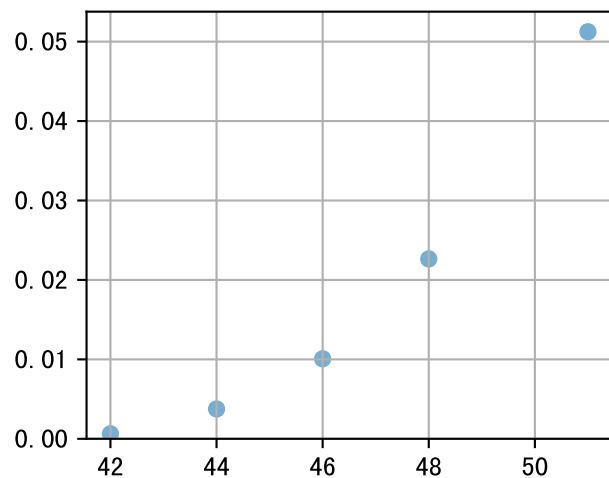
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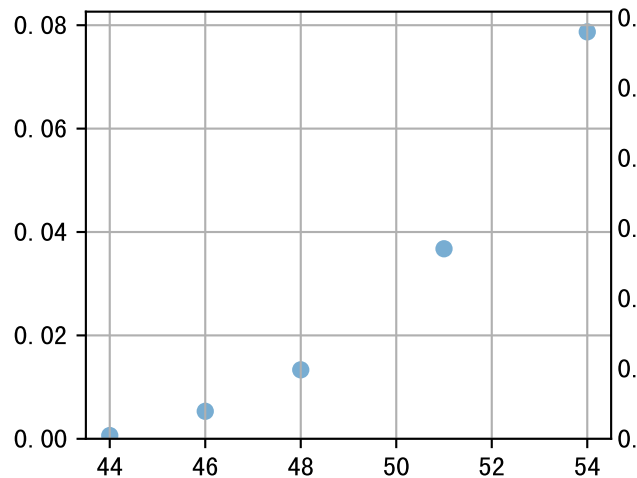
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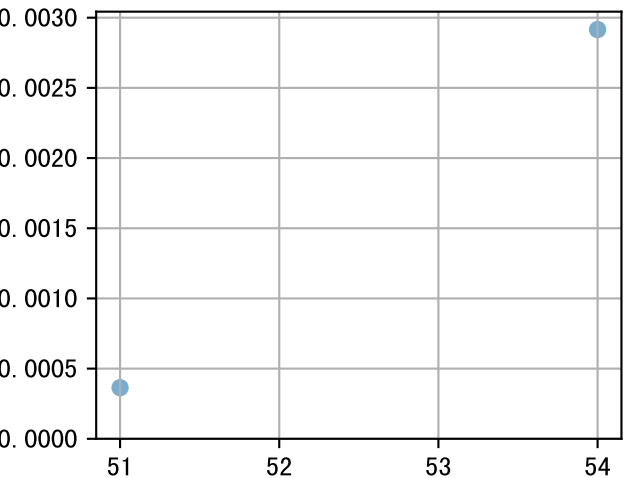
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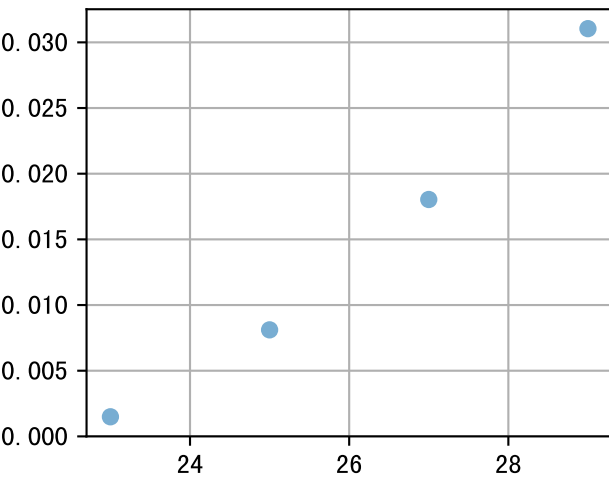
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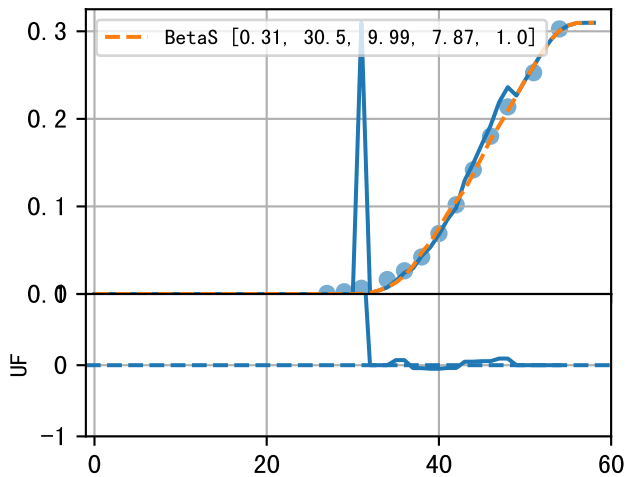
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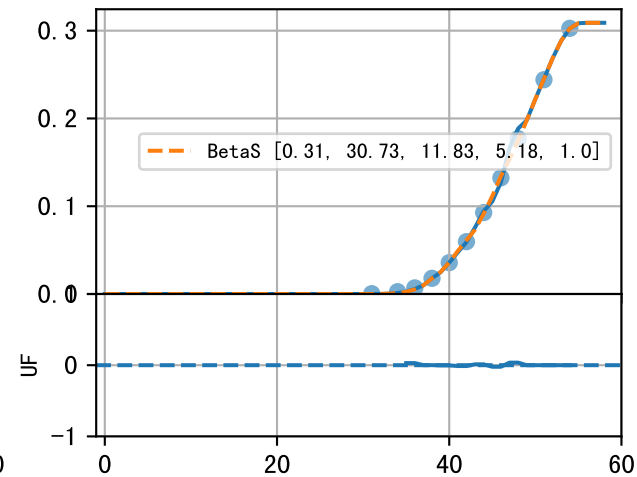
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P6AE-033-4T1Fr5



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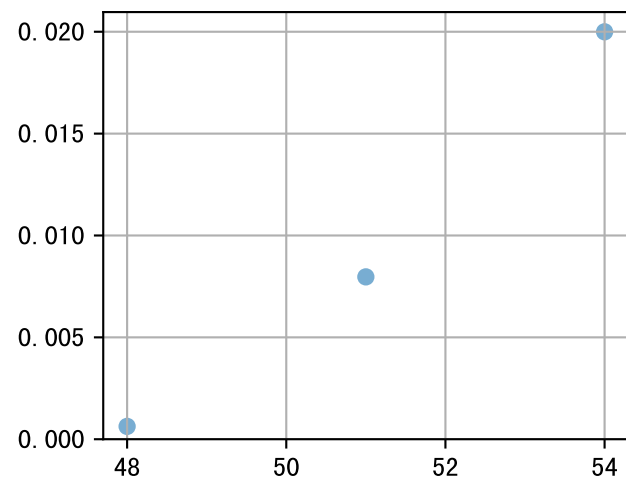
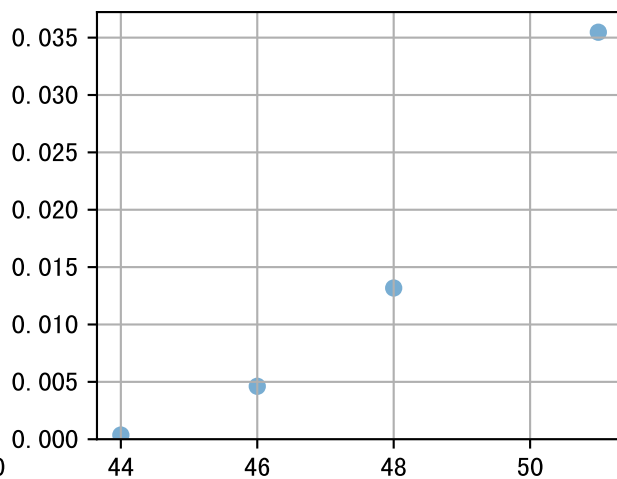
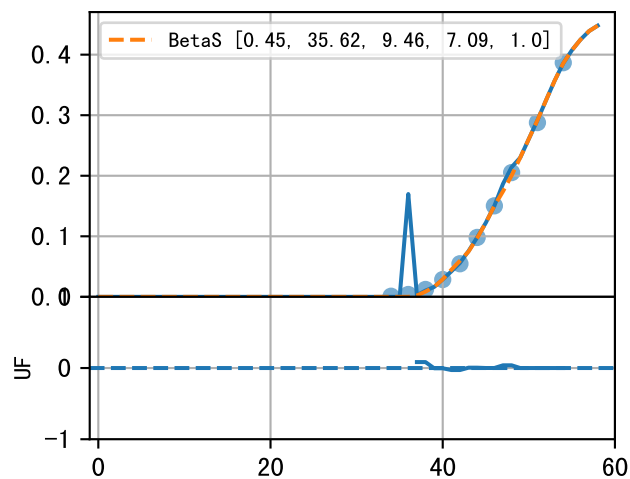


FrV

P6AE-033-4T2Fr5

P6AE-033-4T3Fr1 (fit failed)

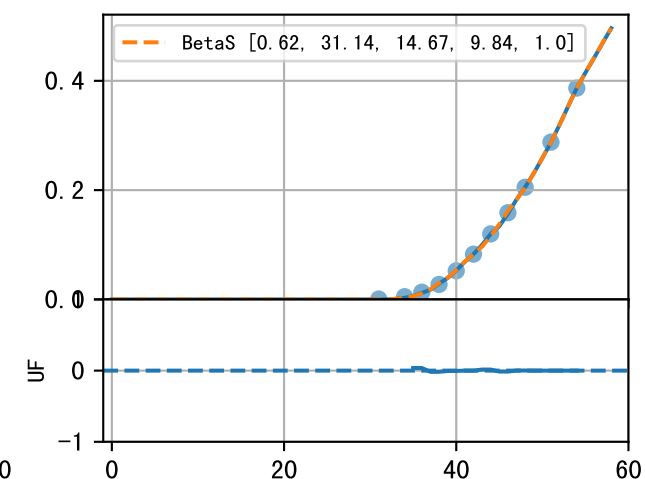
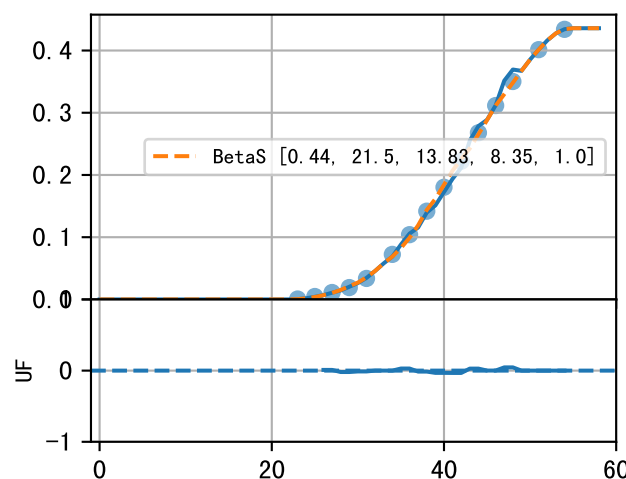
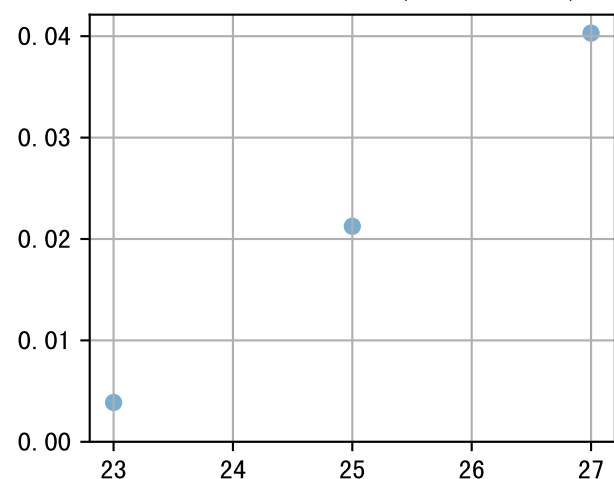
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P6AE-045-12T1Fr1 (fit failed)

P6AE-045-12T1Fr5

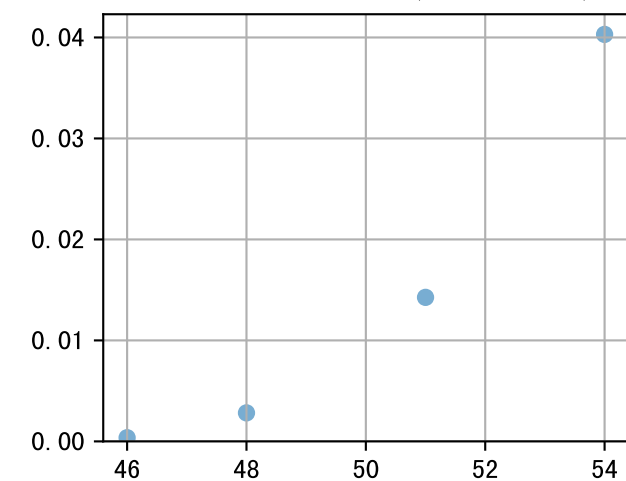
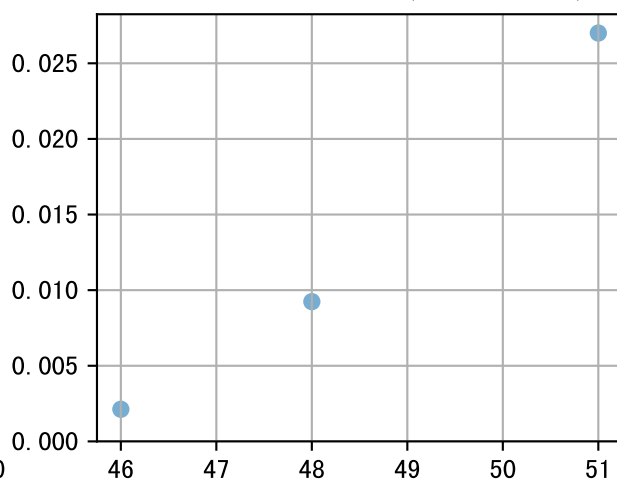
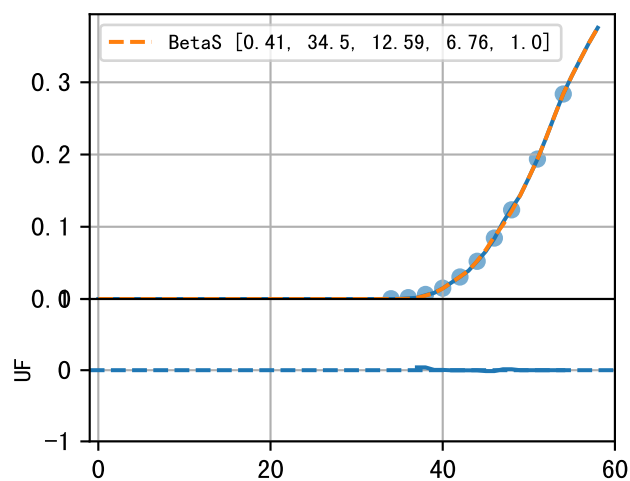
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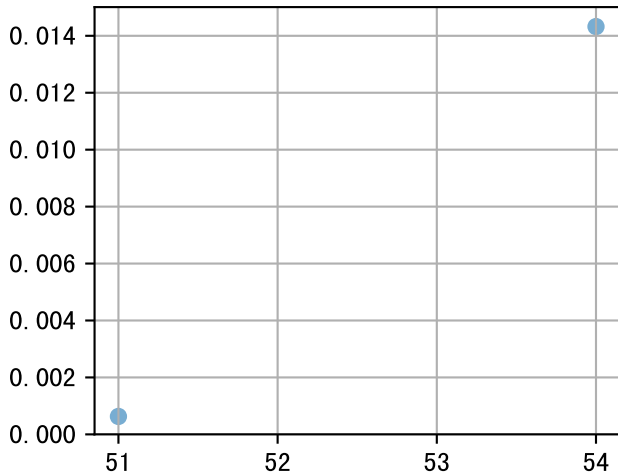
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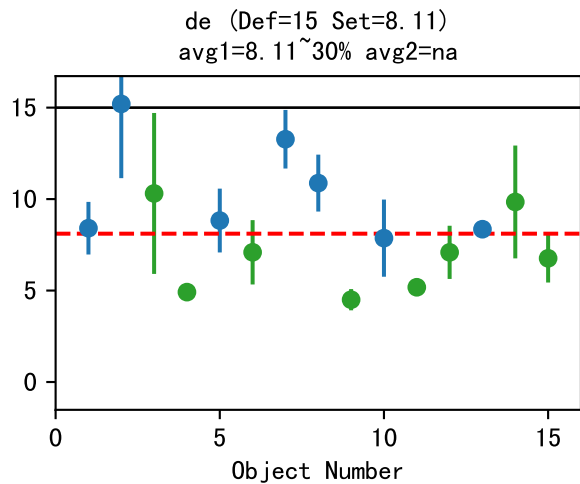
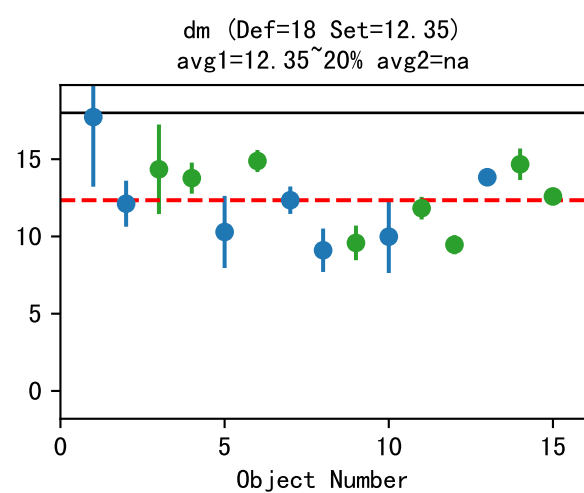
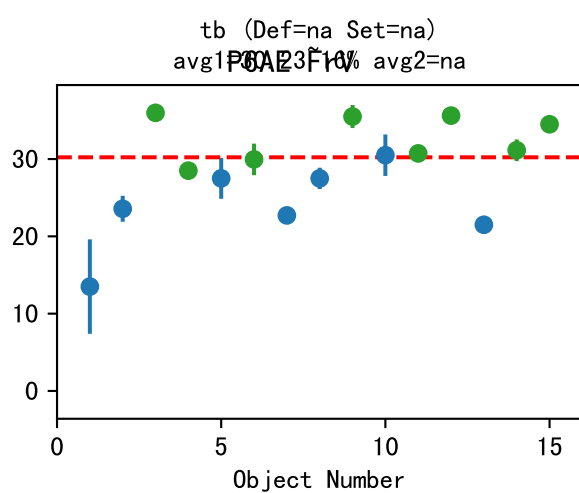
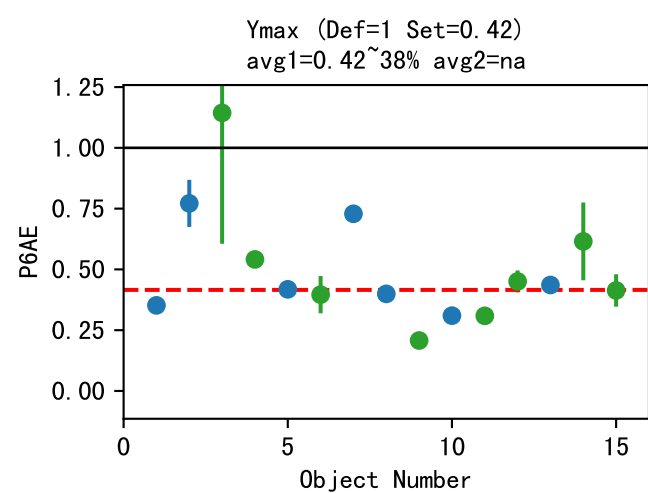
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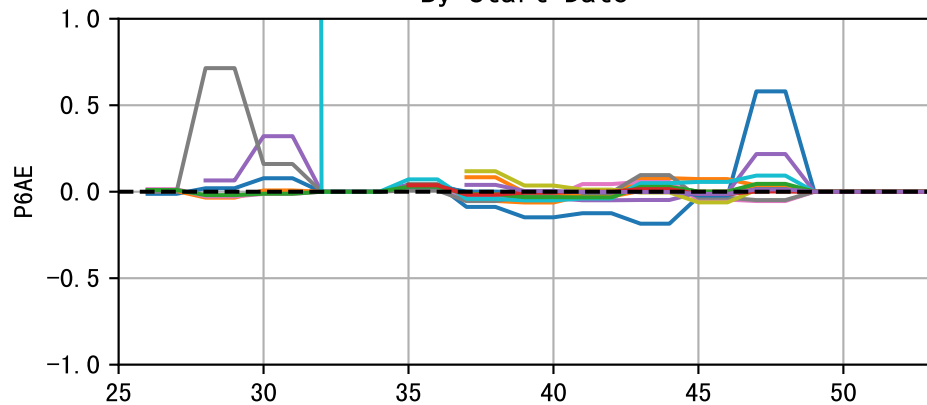
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FrV

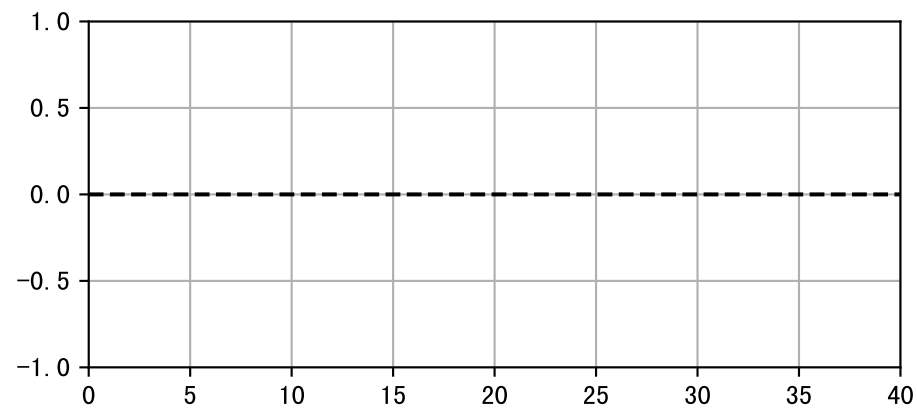
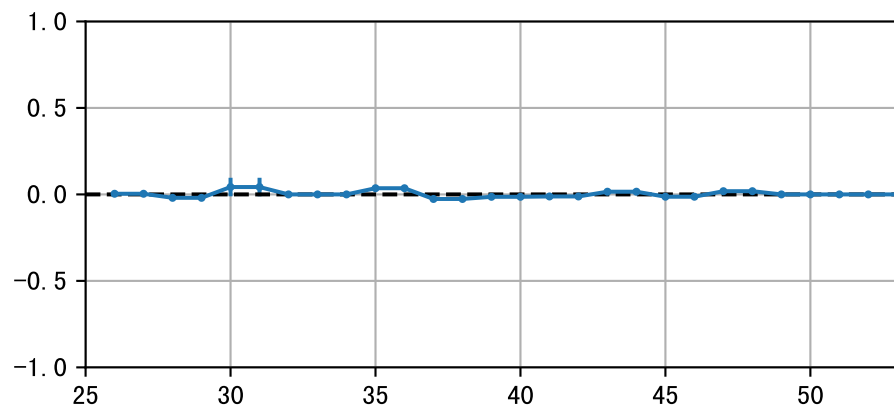
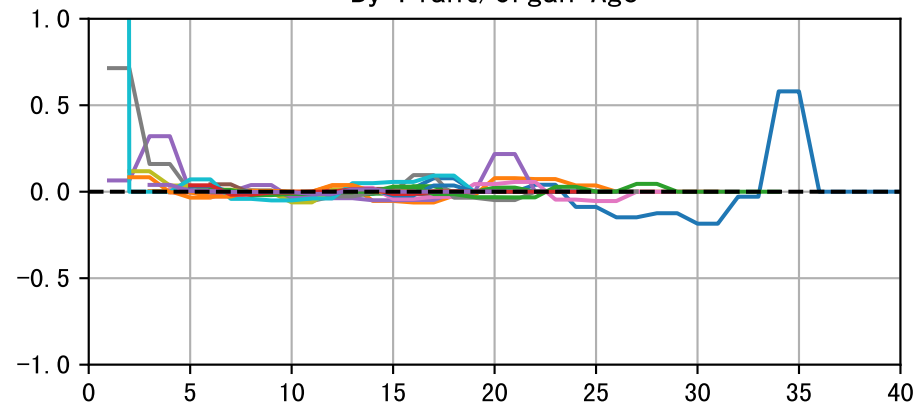




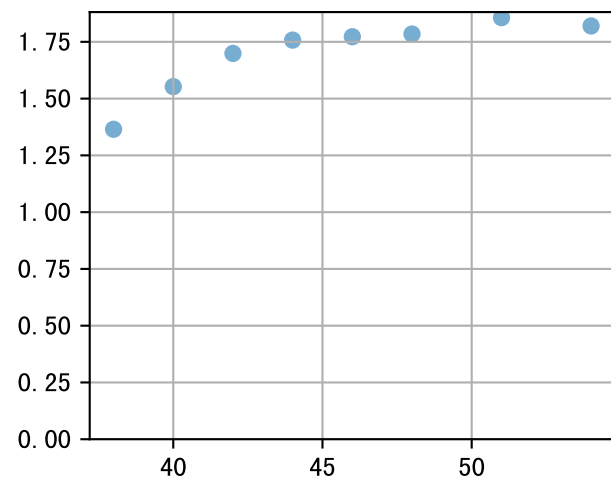
By Start Date



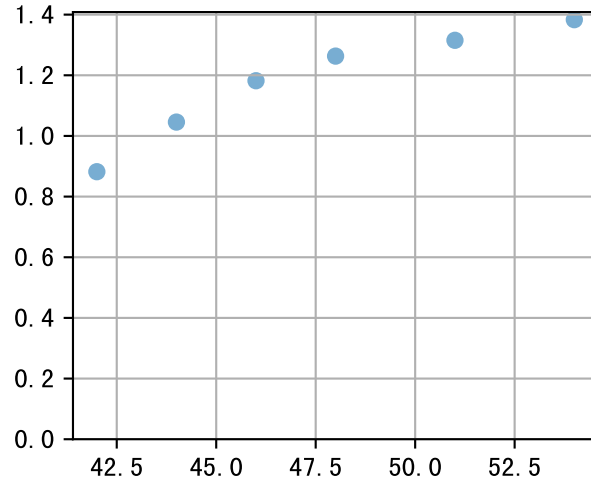
By Plant/Organ Age



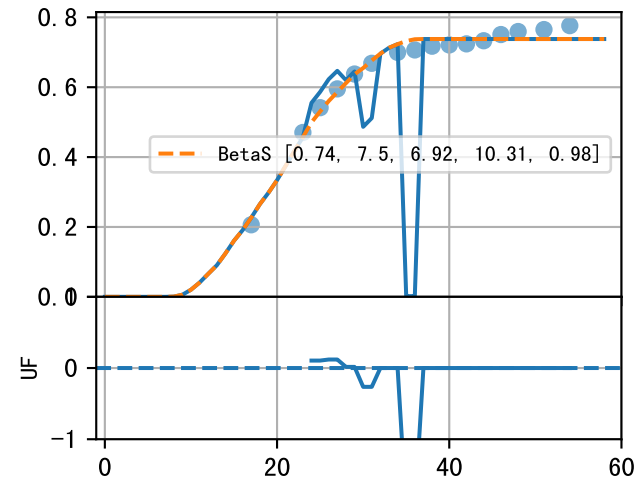
P6AE-007-10L13 (fit failed)



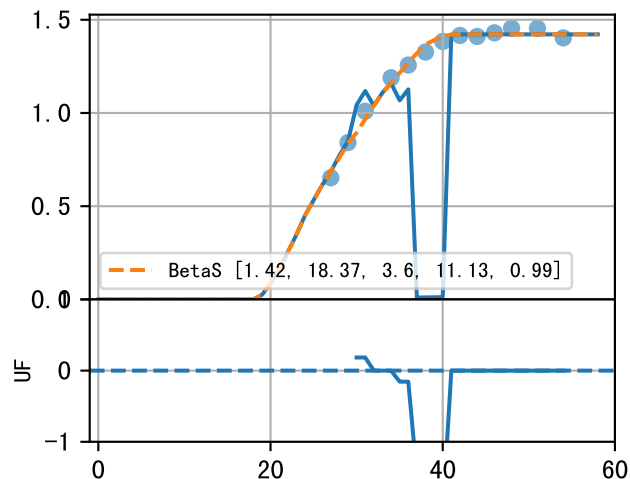
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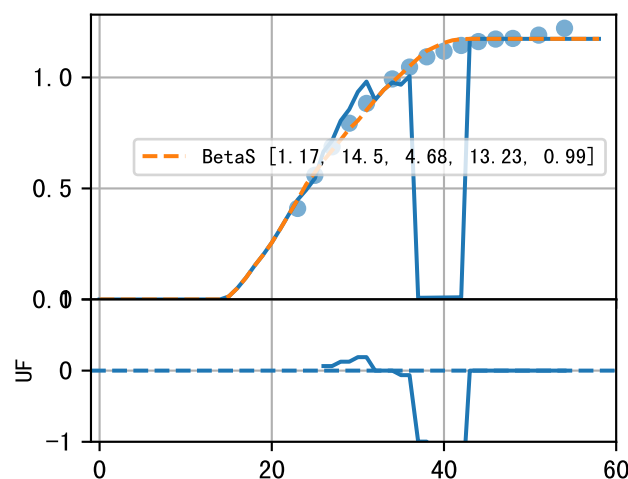
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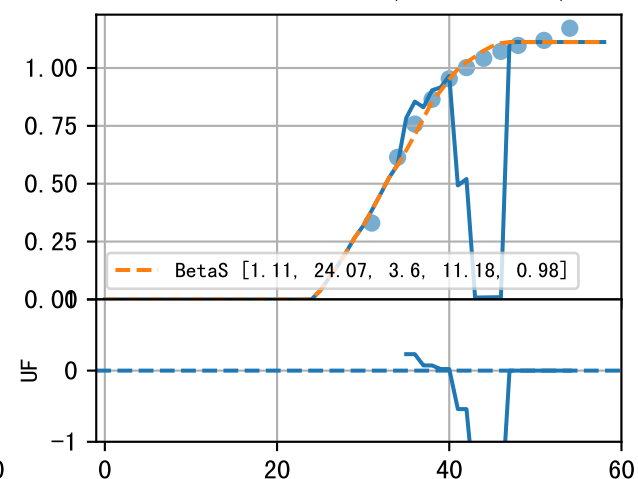
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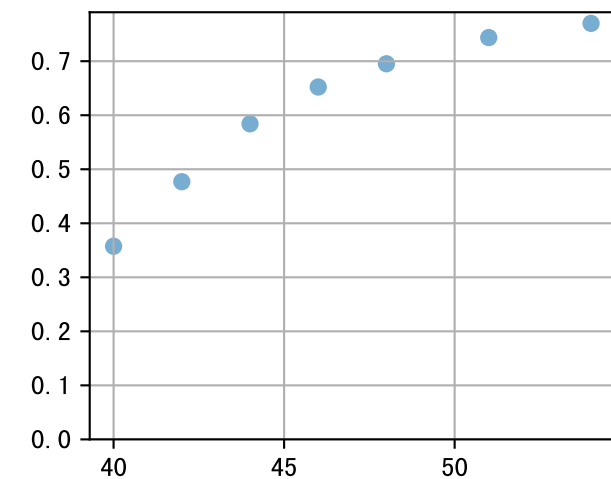
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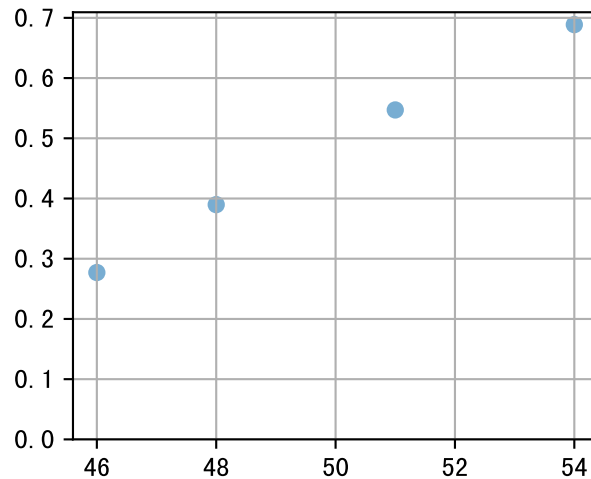
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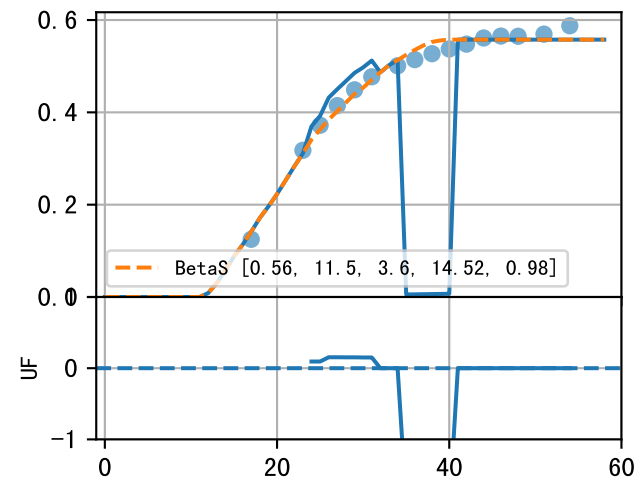
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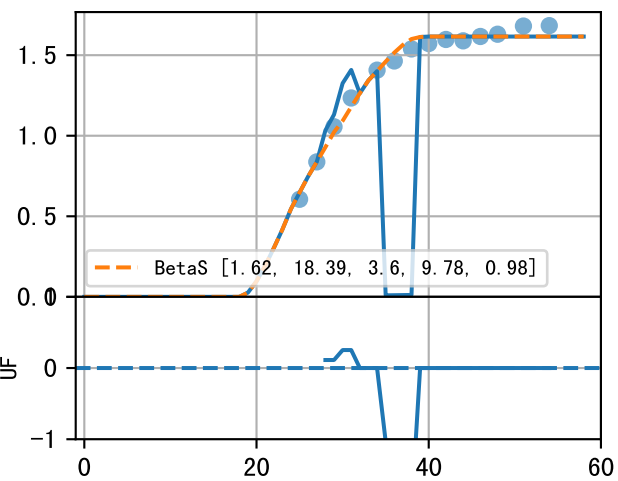
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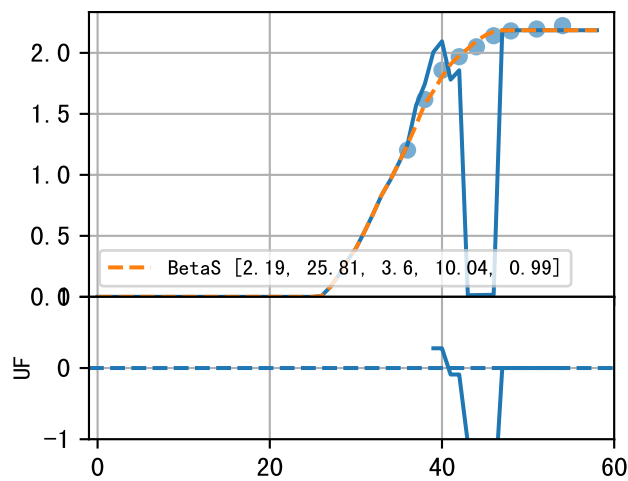
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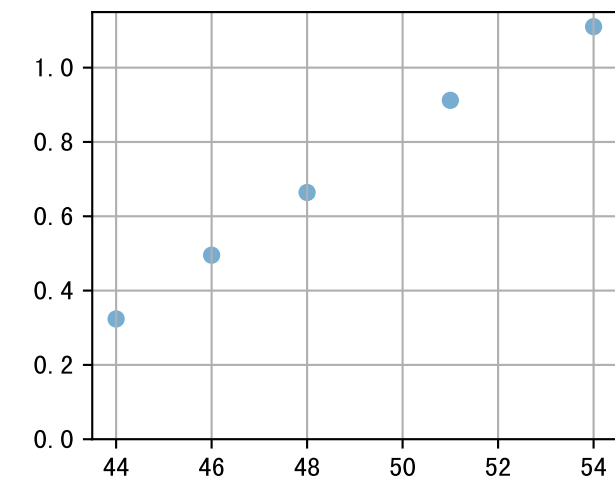
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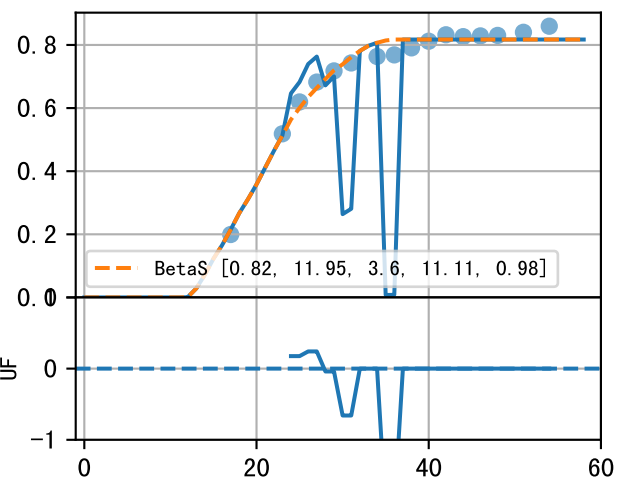
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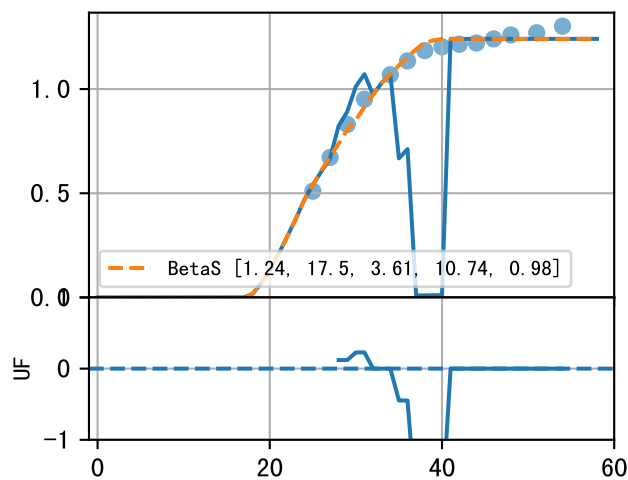
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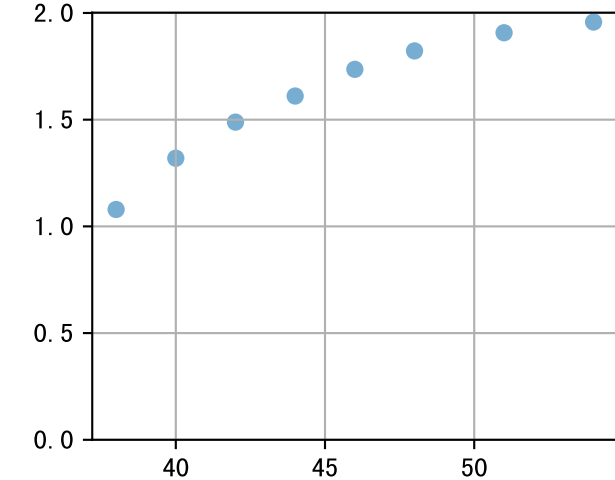
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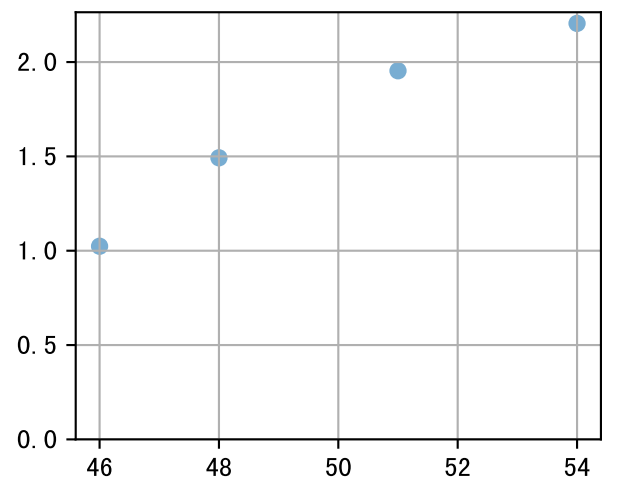
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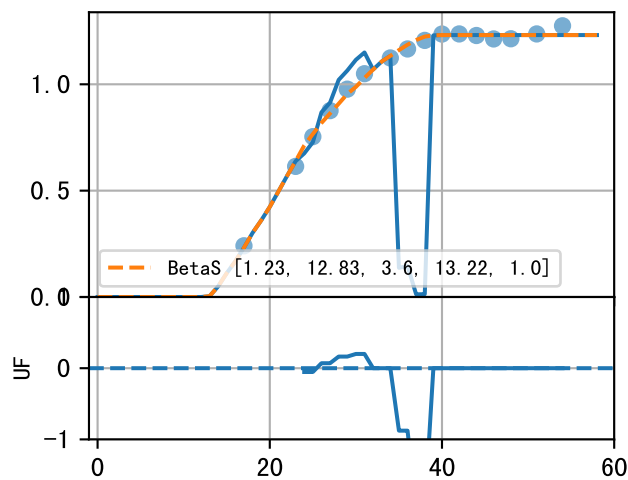
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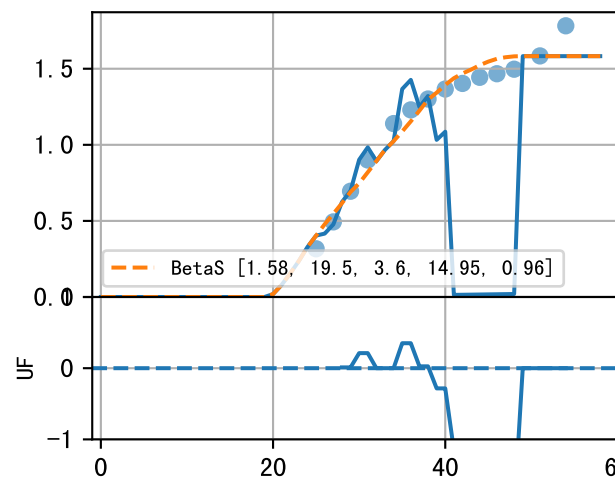
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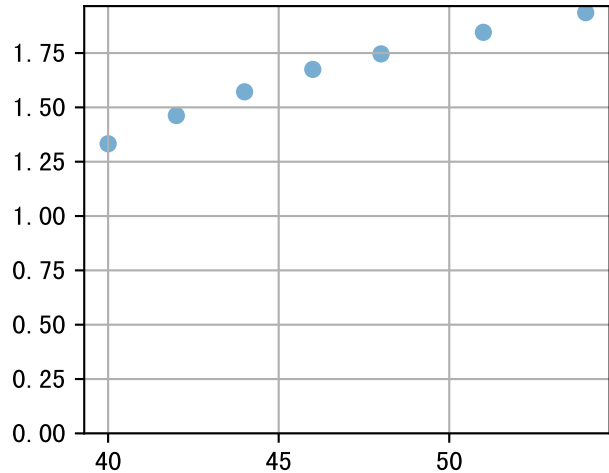
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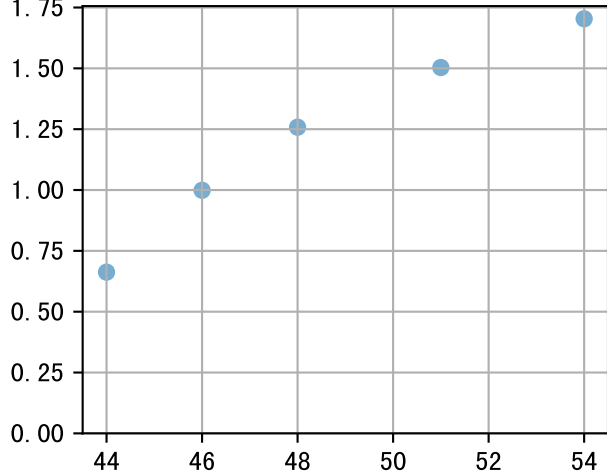
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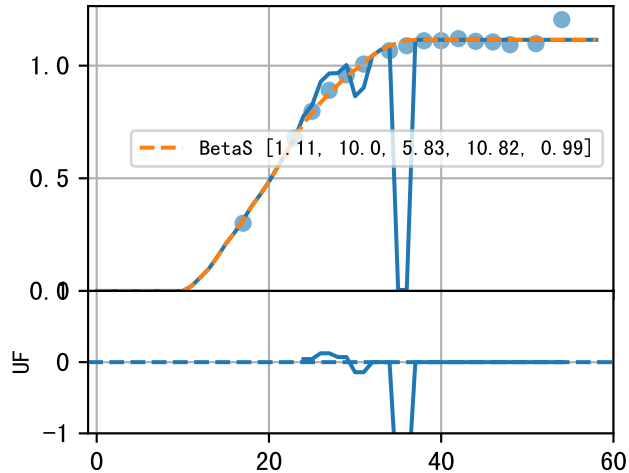
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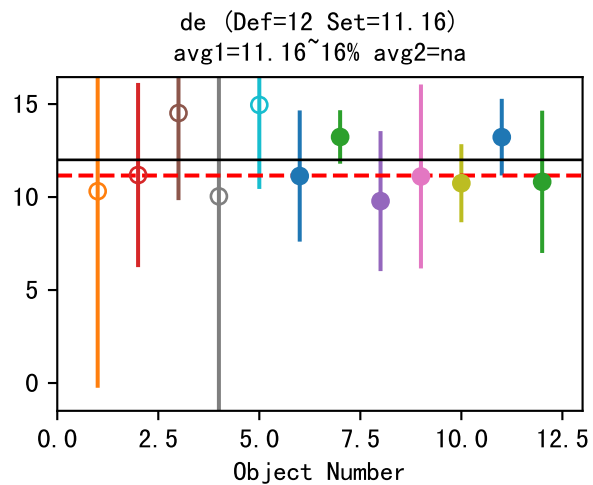
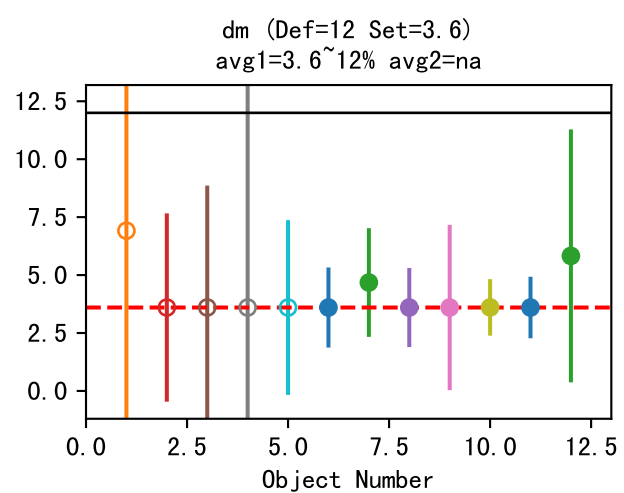
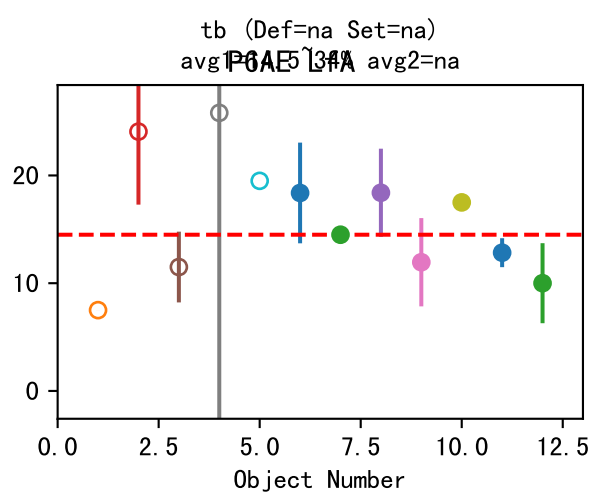
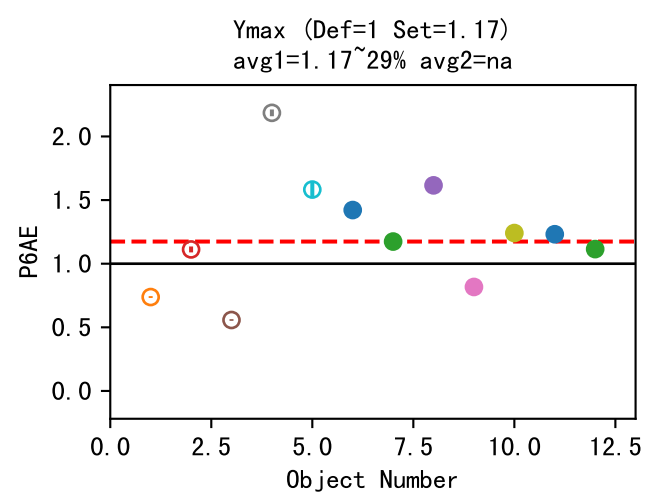


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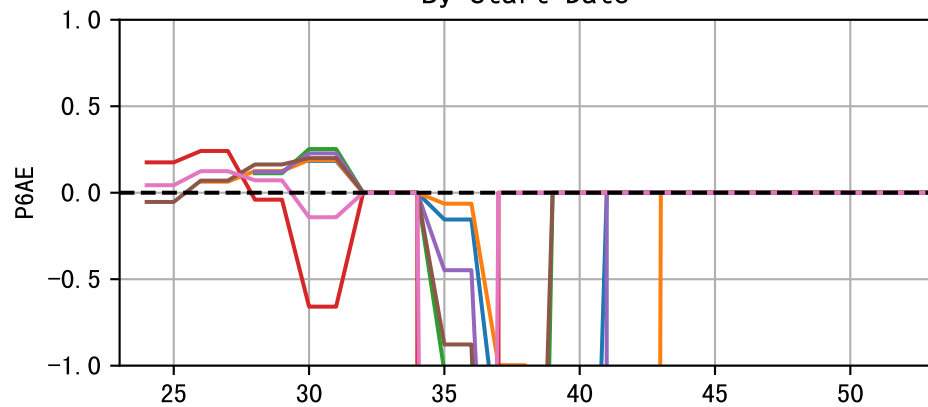


P6AE-045-12L7

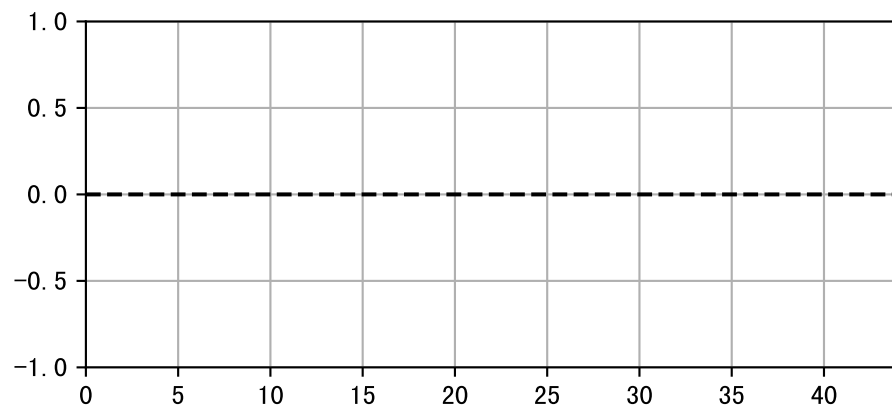
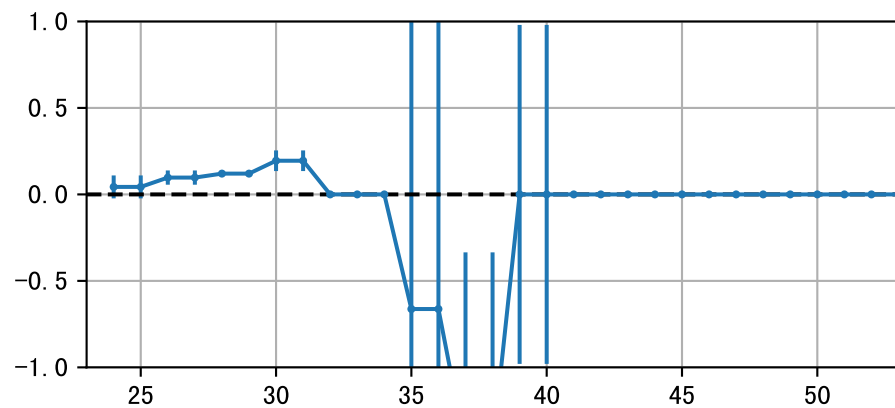
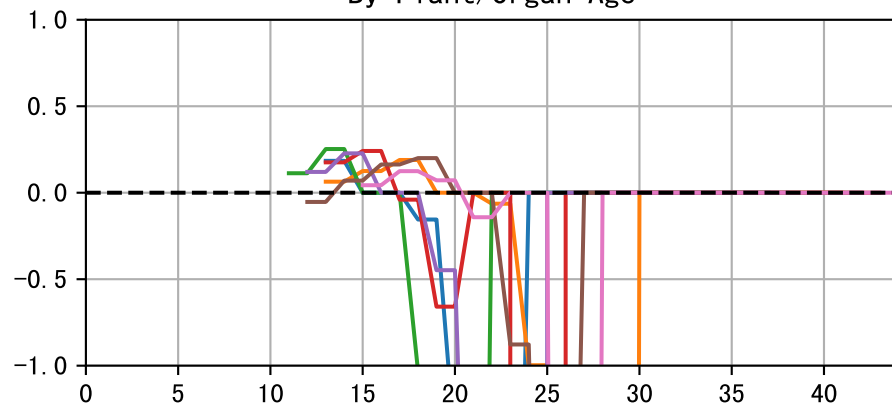




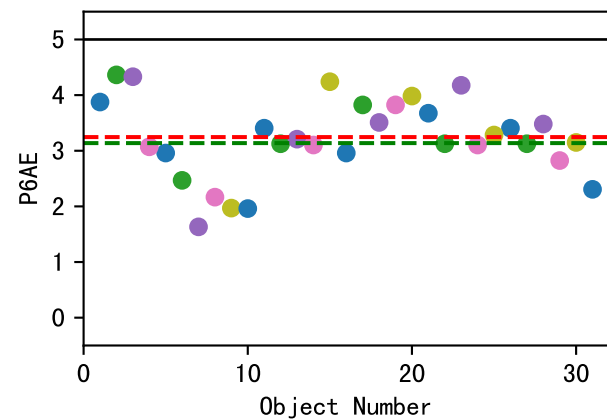
By Start Date



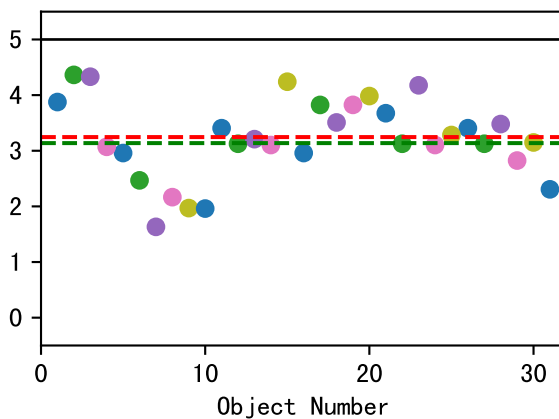
By Plant/Organ Age



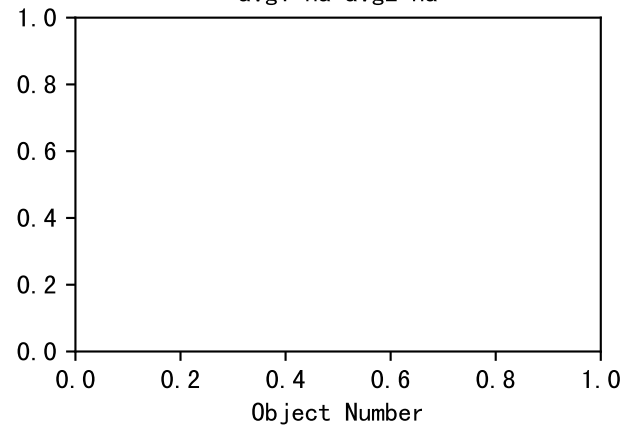
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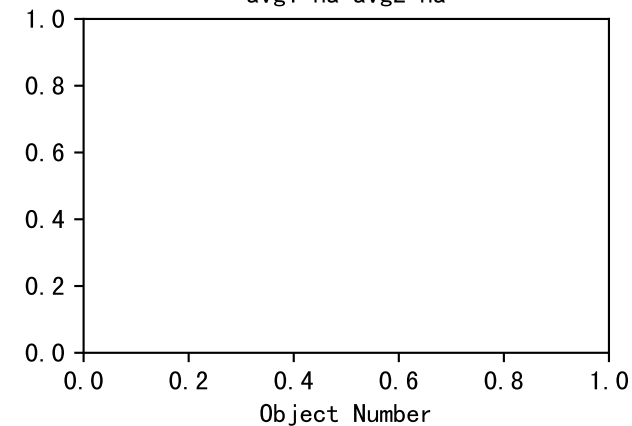
FI_de (Def=5 Set=3.25)
avg1=3.25~22% avg2=3.14~14%



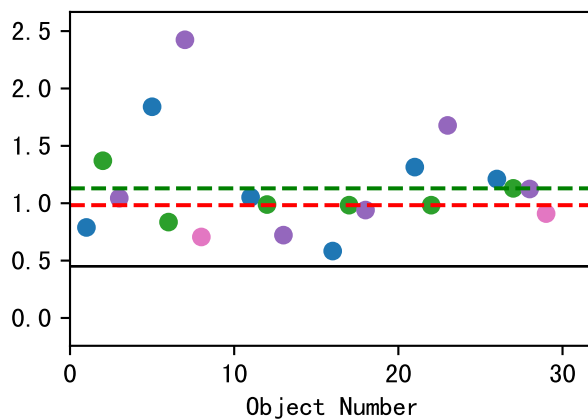
FrV_dm (Def=18 Set=12.35)
avg1=na avg2=na



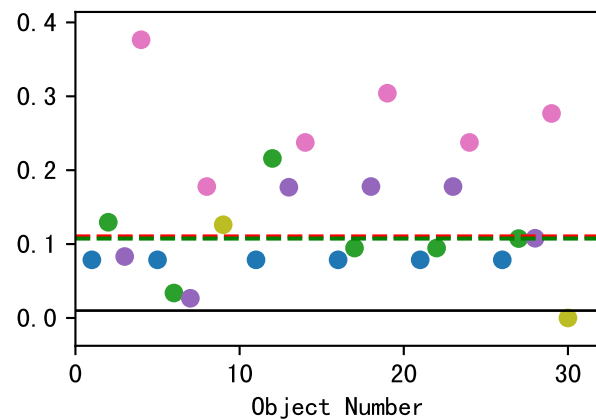
FrV_de (Def=15 Set=8.11)
avg1=na avg2=na



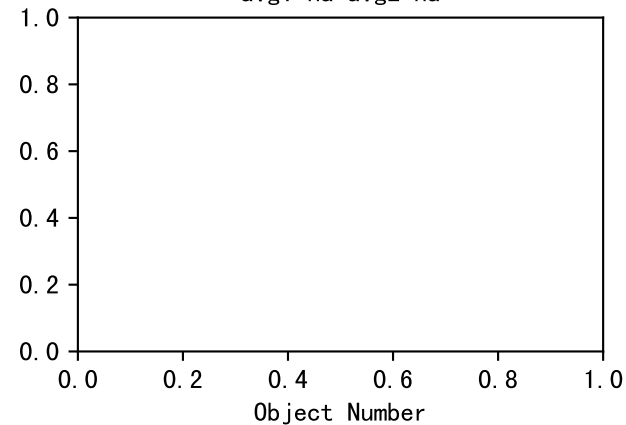
FrN_a (Def=0.45 Set=0.98)
avg1=0.98~36% avg2=1.13~4%



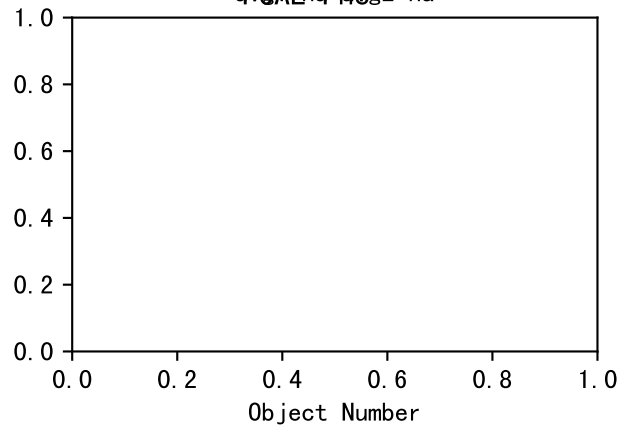
FSDdevStage (Def=0.01 Set=0.11)
avg1=0.11~68% avg2=0.11~16%



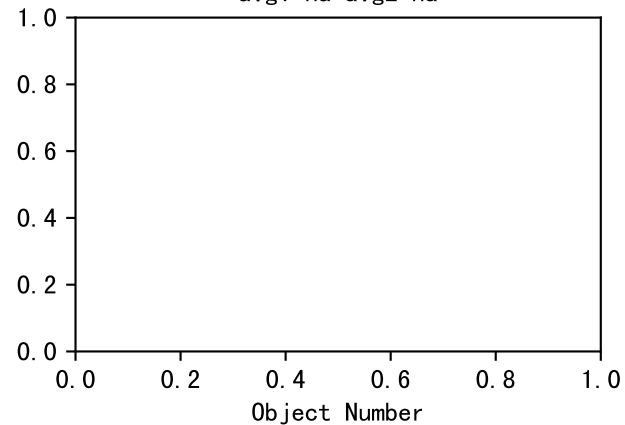
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



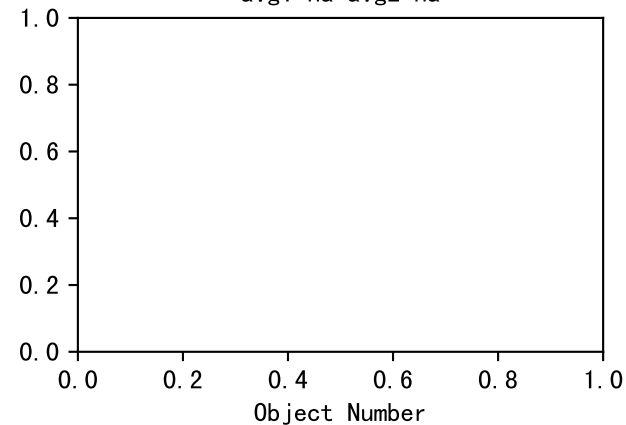
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



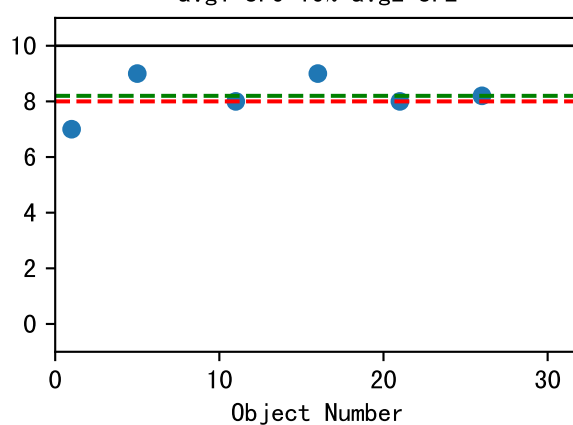
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

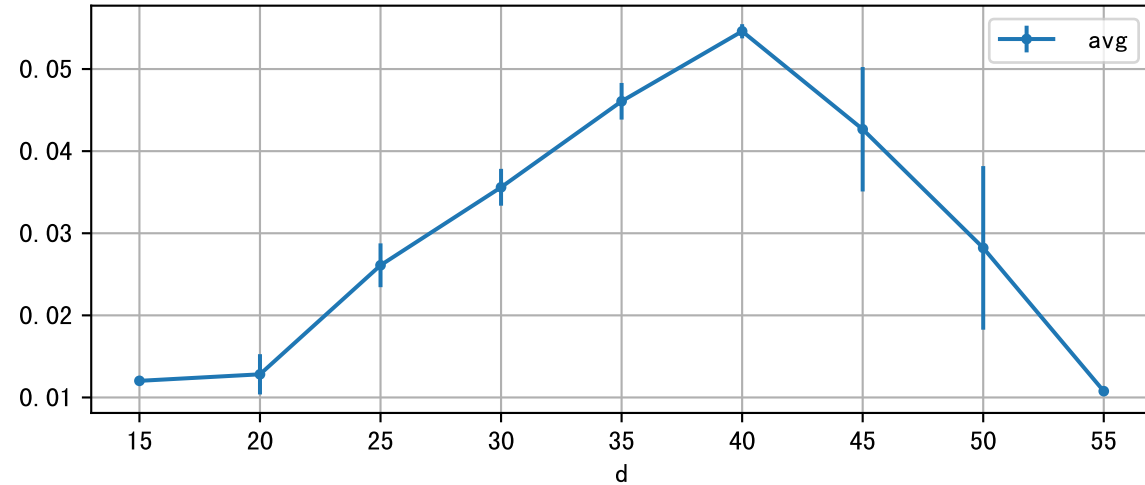


NNgen (Def=10 Set=8)
avg1=8.0~10% avg2=8.2

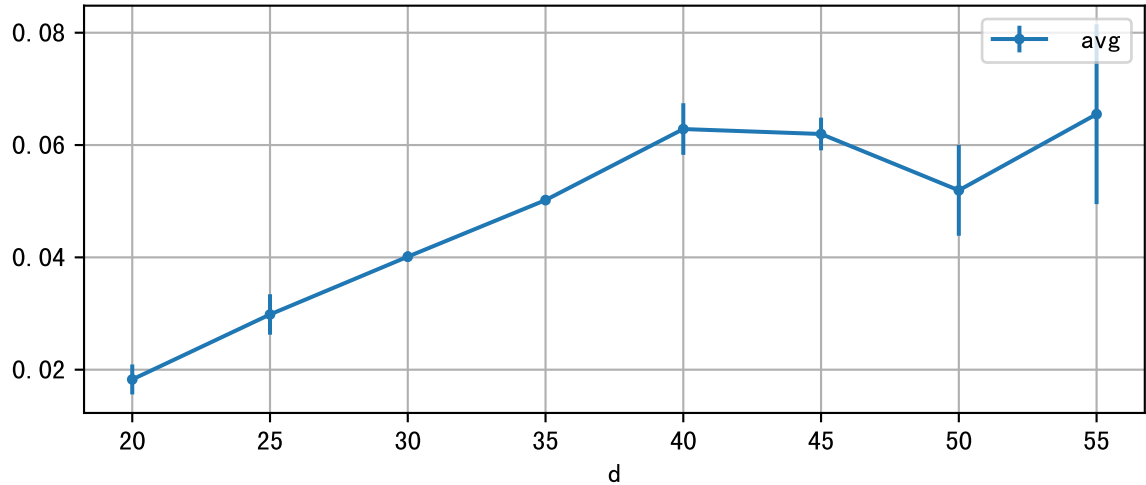


LfA: avg vs. d at each age group

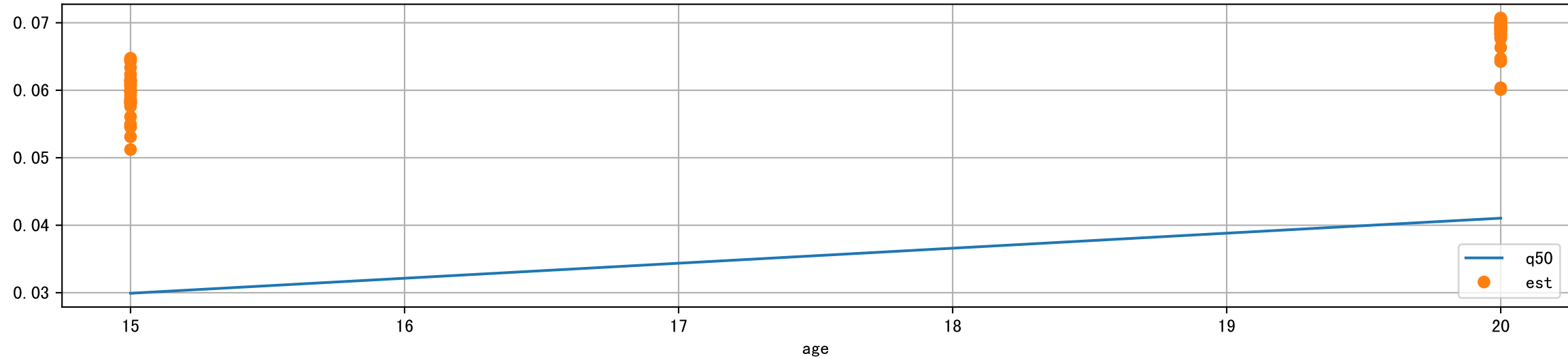
age=15



age=20



LfA: model est vs obs0v@Q50

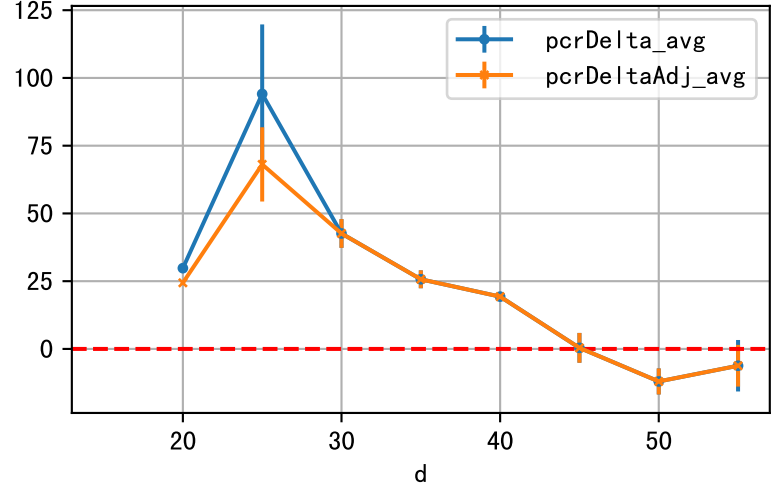
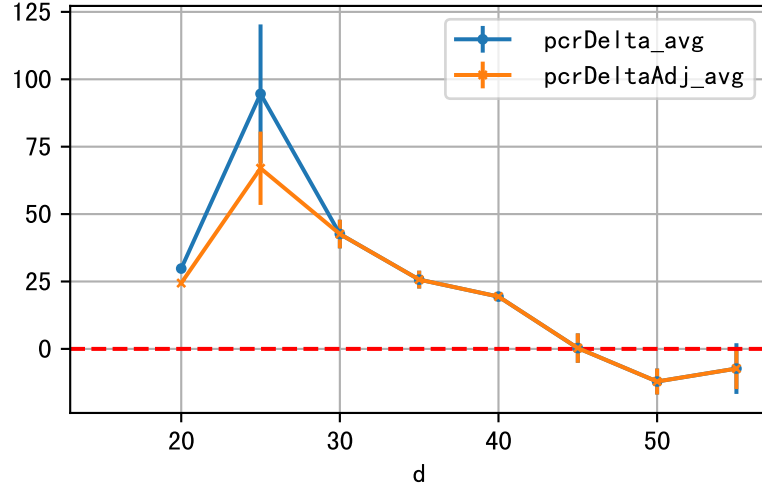
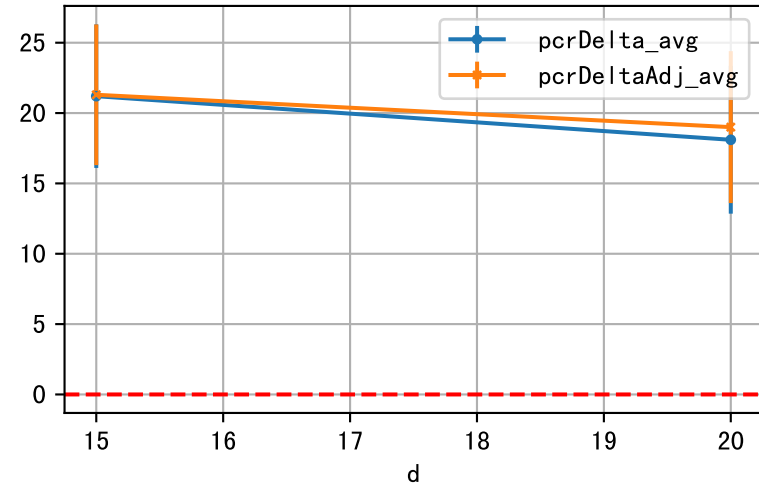


P6AE LfA: D_5d_LfA

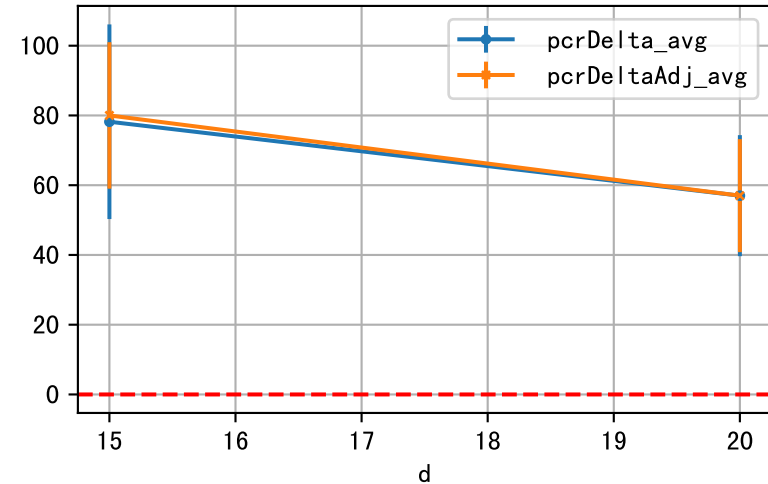
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

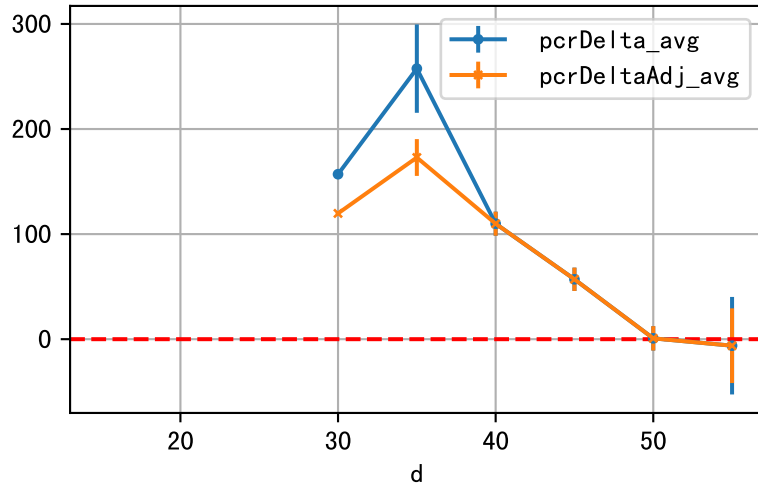


DeltaTypeAbbr=GrpByAge

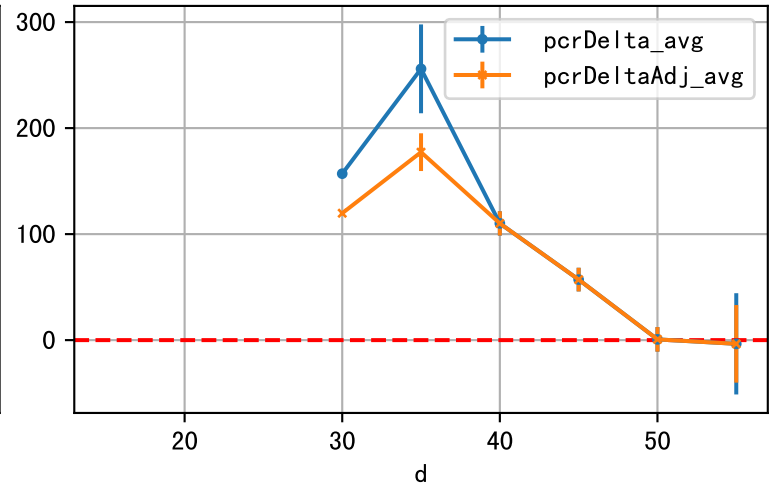


P6AE LfA: D_15d_LfA

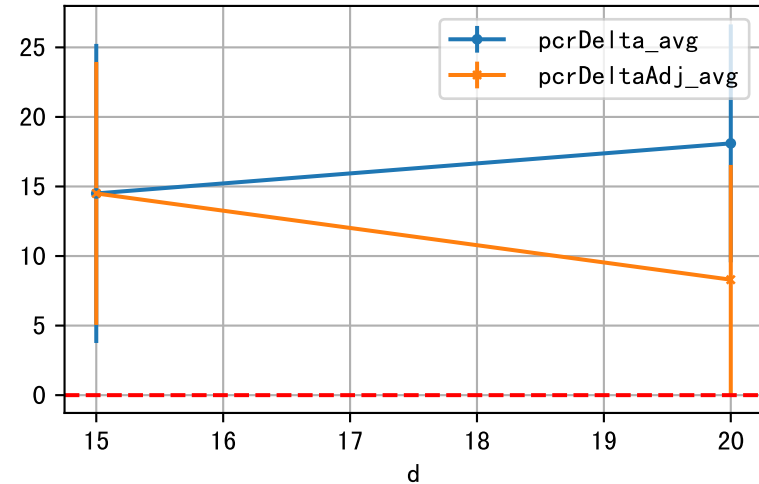
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

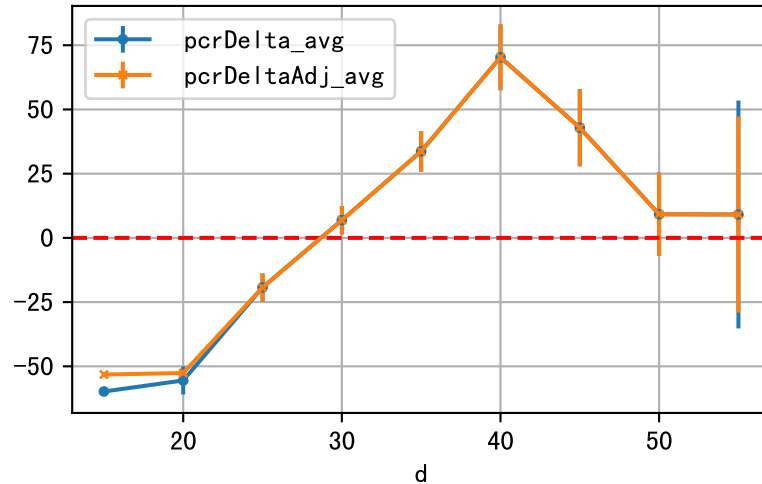


DeltaTypeAbbr=GrpByAge

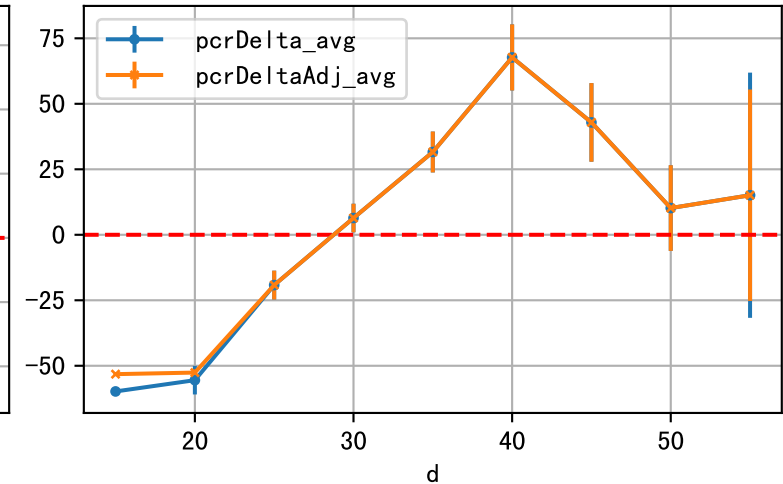


P6AE LfA: D_Q50_LfA

DeltaTypeAbbr=GrpByDay

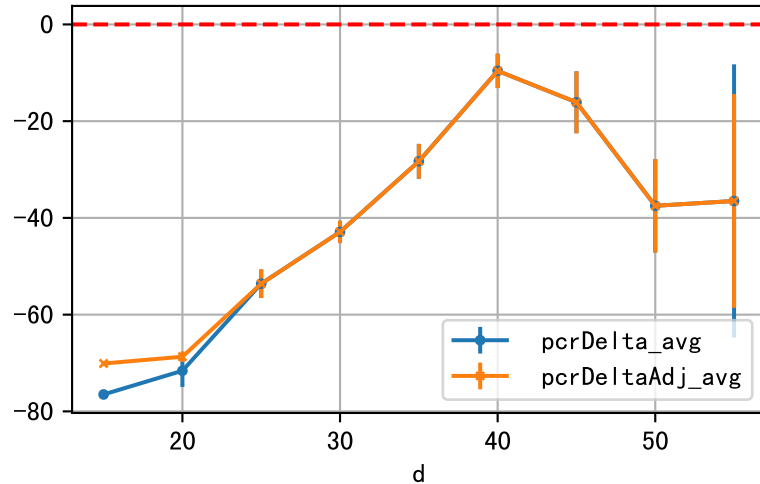


DeltaTypeAbbr=Wei AvgByD

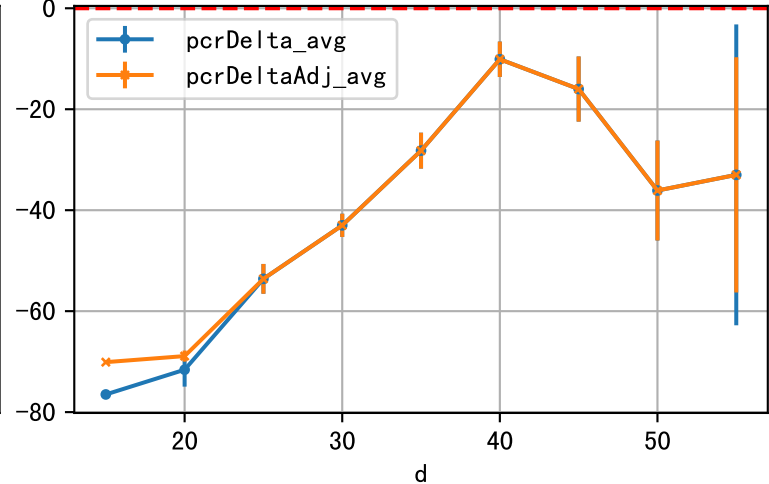


P6AE LfA: D_Est_LfA

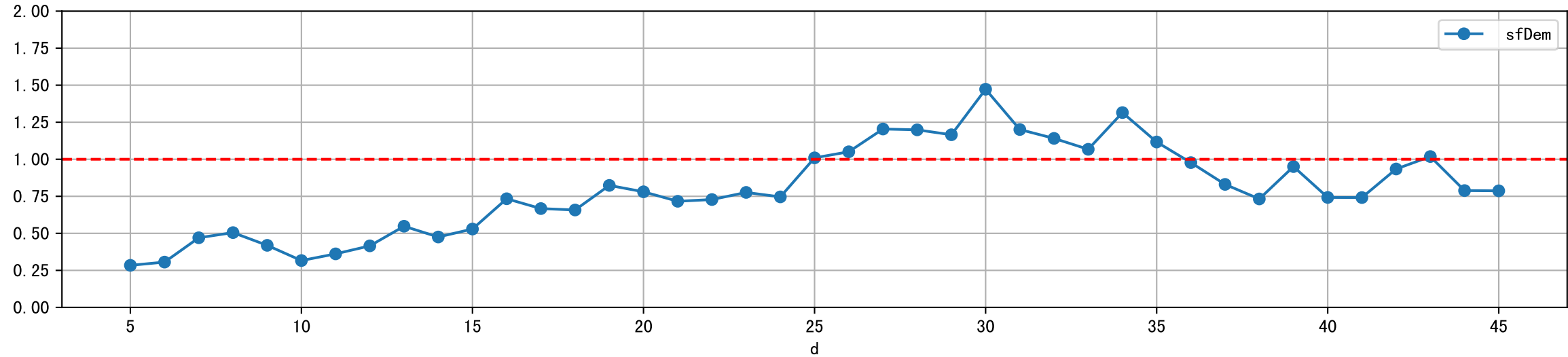
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD



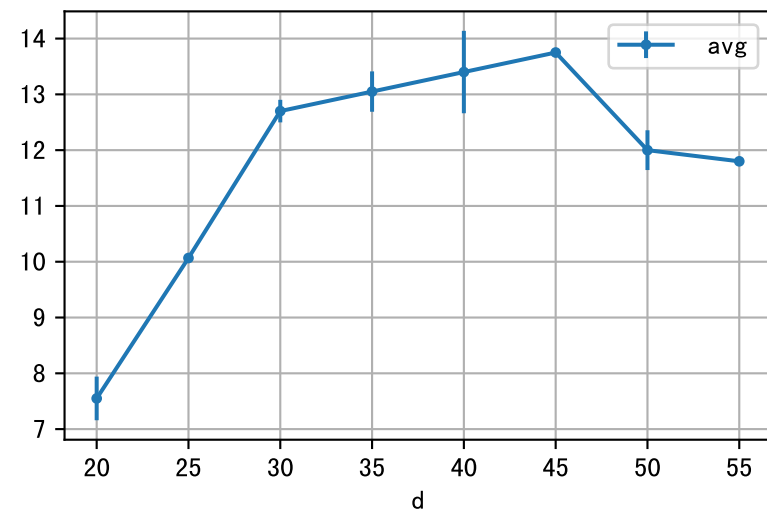
LfA: sfDem



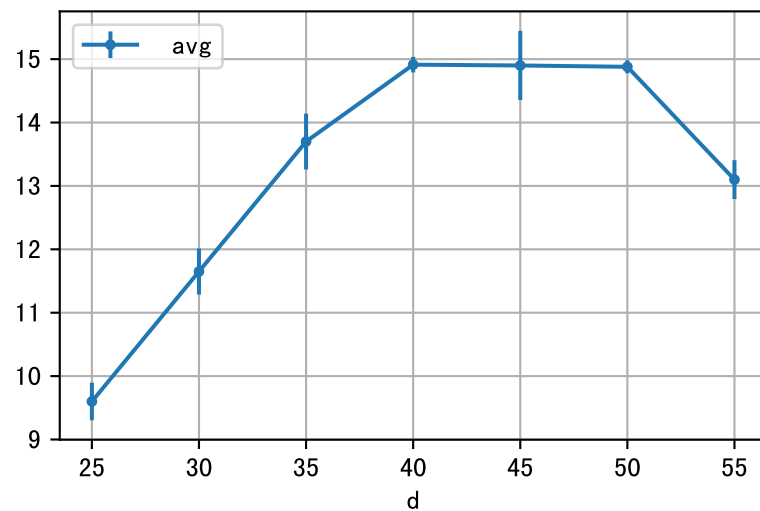


NdD: avg vs. d at each age group

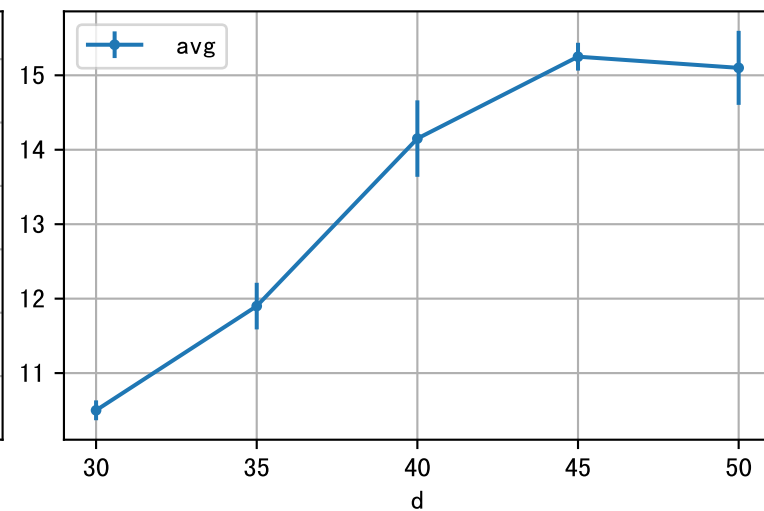
age=15



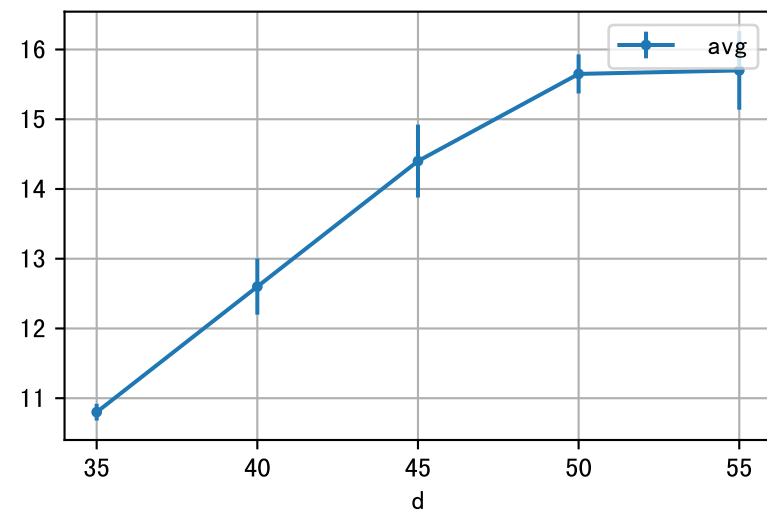
age=20



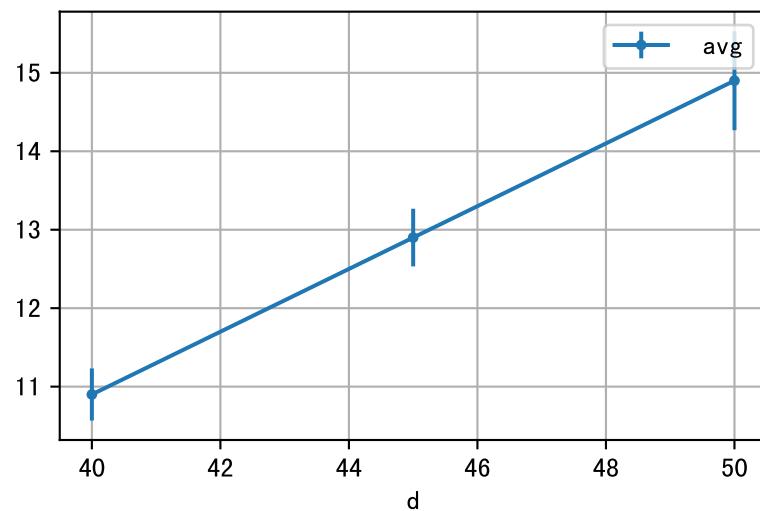
age=25



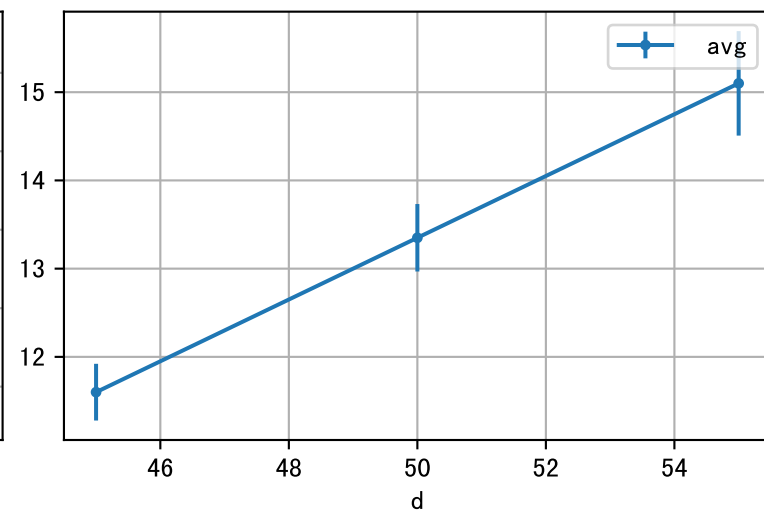
age=30



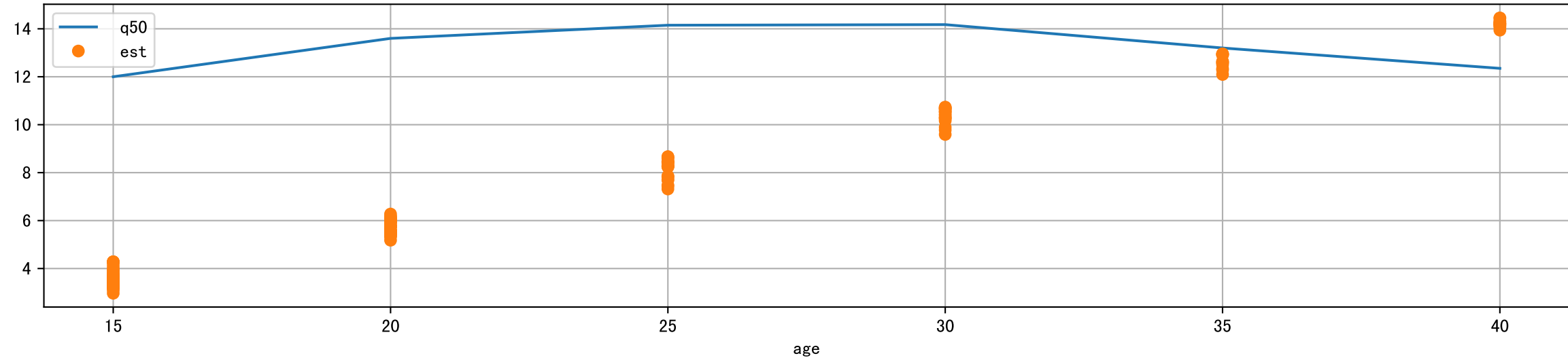
age=35



age=40

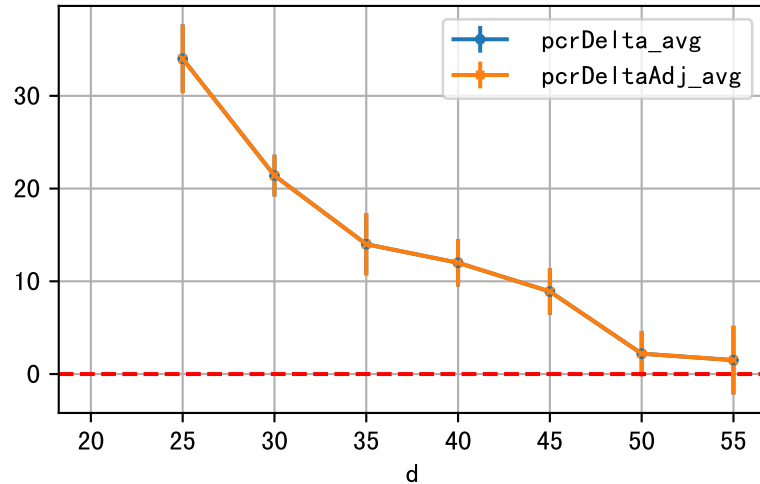


NdD: model est vs obs0v@Q50

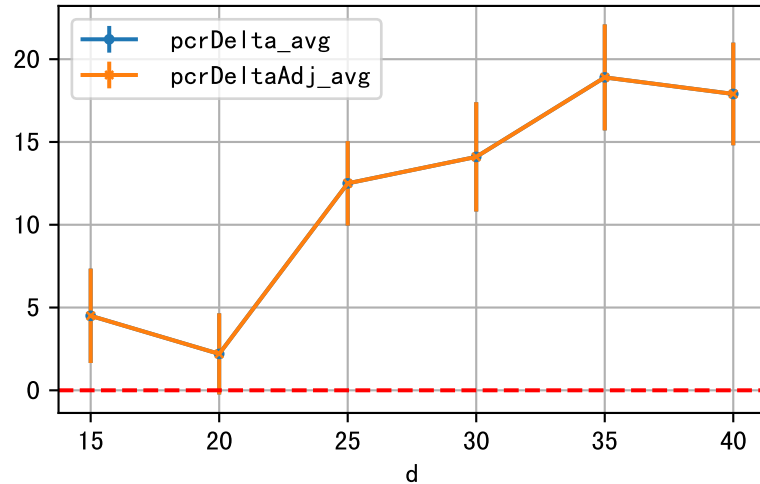


P6AE NdD: D_5d_NdD

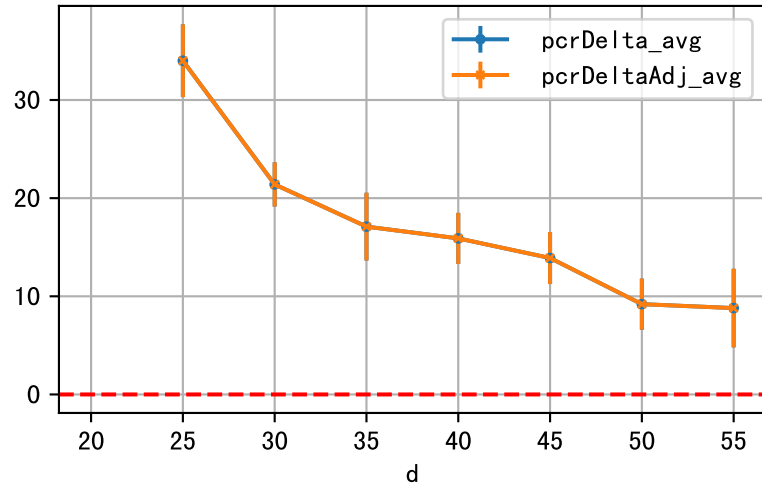
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

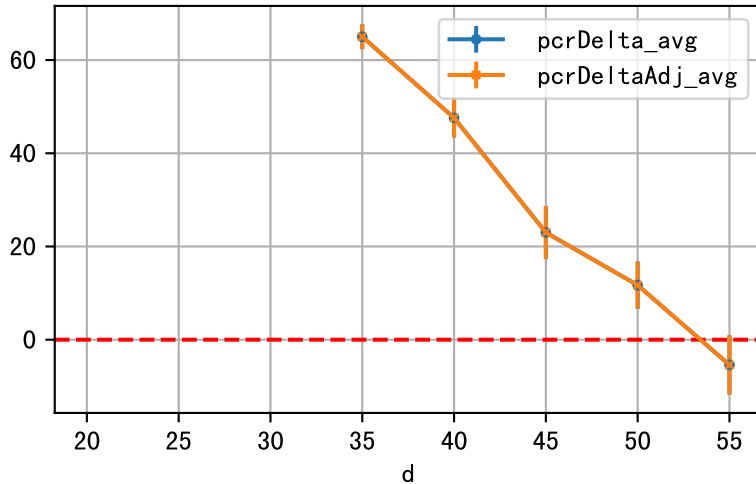


DeltaTypeAbbr=Wei AvgByD

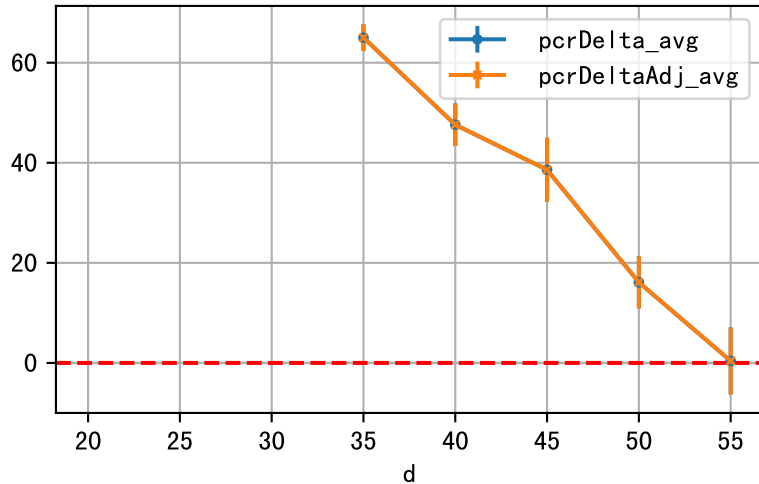


P6AE NdD: D_15d_NdD

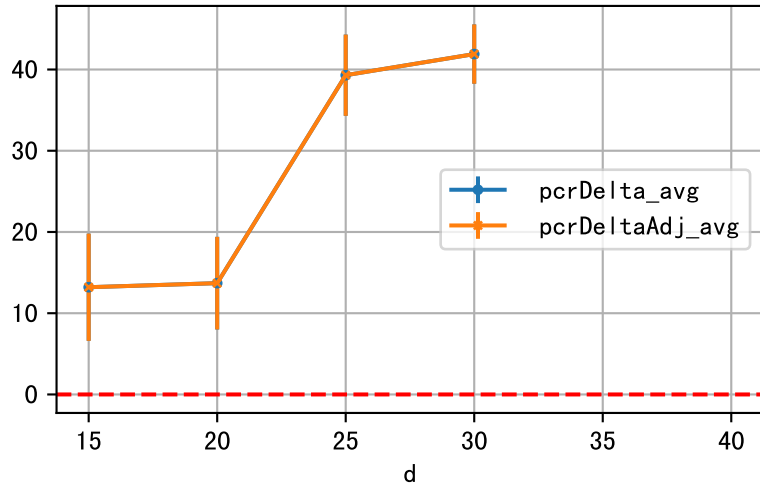
DeltaTypeAbbr=GrpByDay



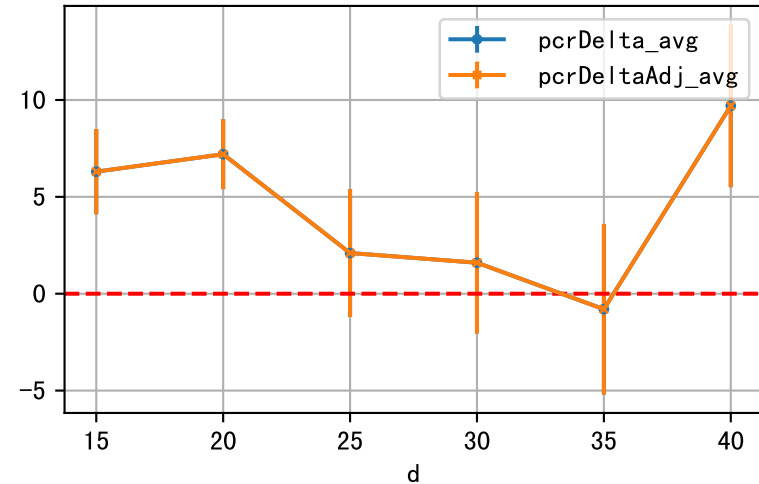
DeltaTypeAbbr=WeiAvgByD



DeltaTypeAbbr=GrpByAge

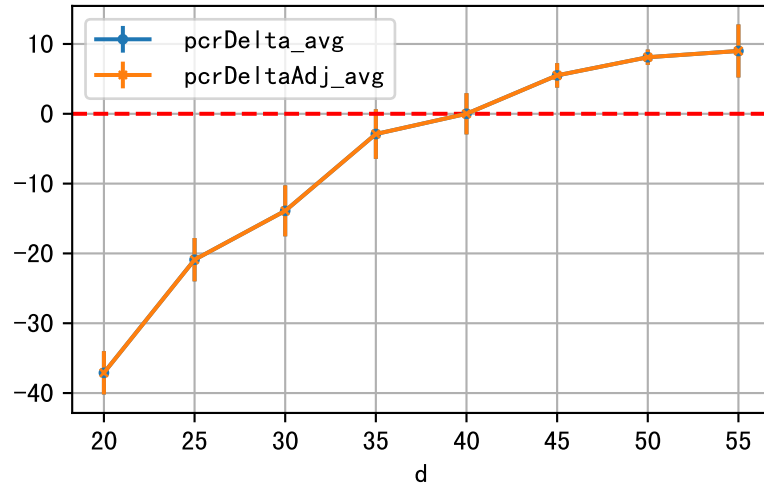


DeltaTypeAbbr=GrpByAge

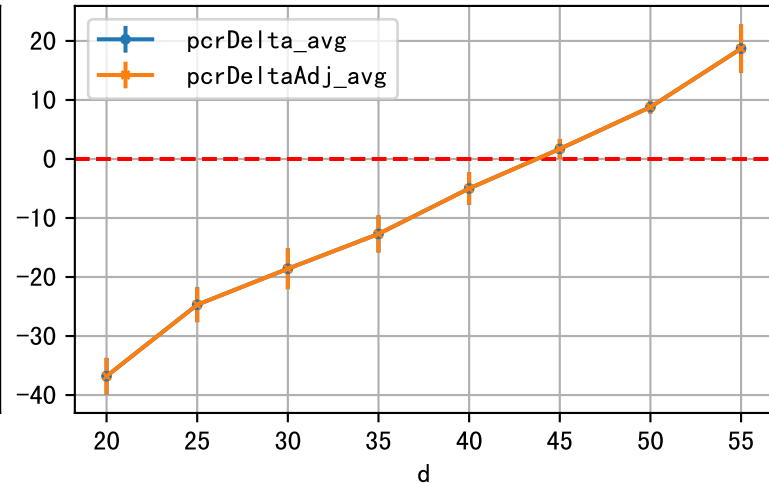


P6AE NdD: D_Q50_NdD

DeltaTypeAbbr=GrpByDay

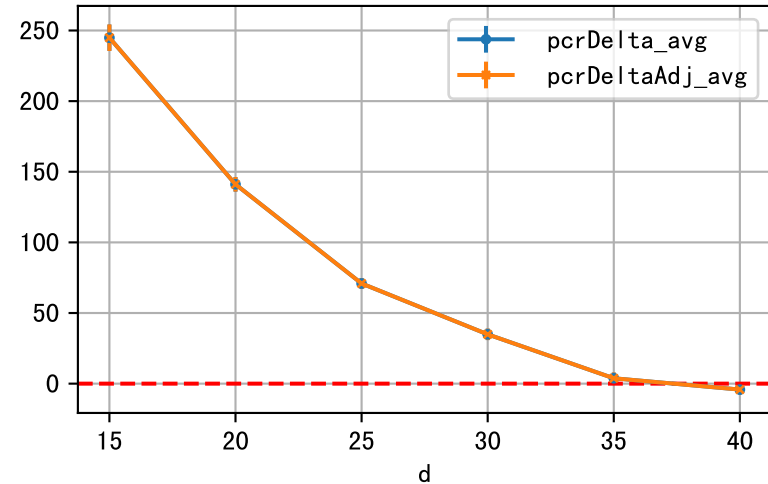


DeltaTypeAbbr=Wei AvgByD

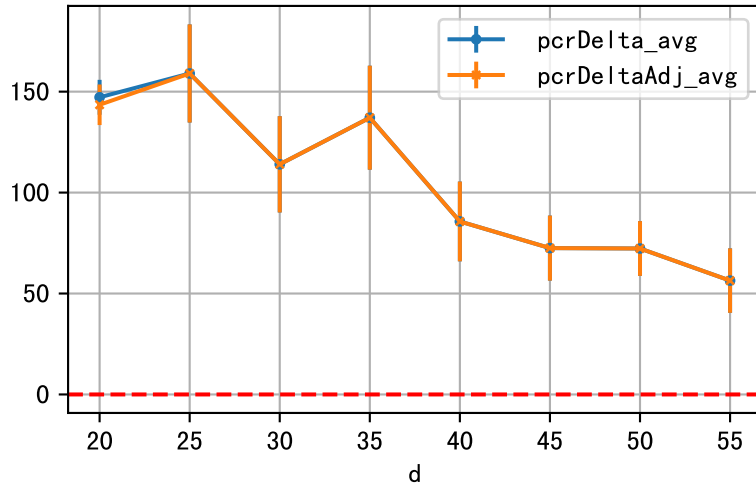


P6AE NdD: D_Est_NdD

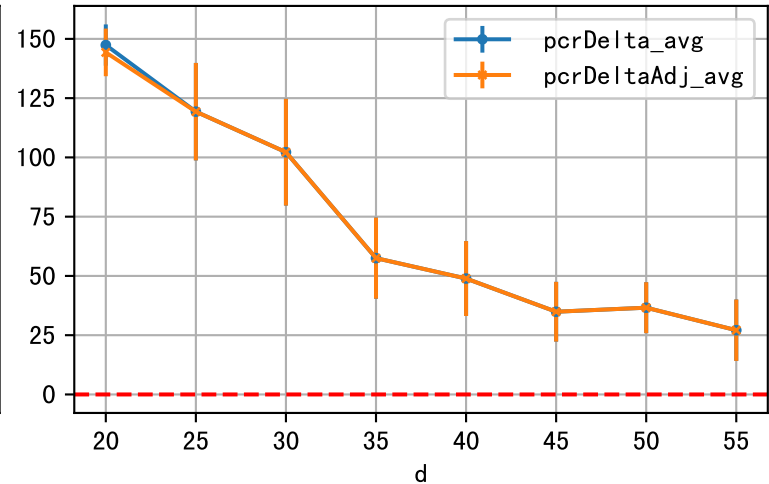
DeltaTypeAbbr=GrpByAge



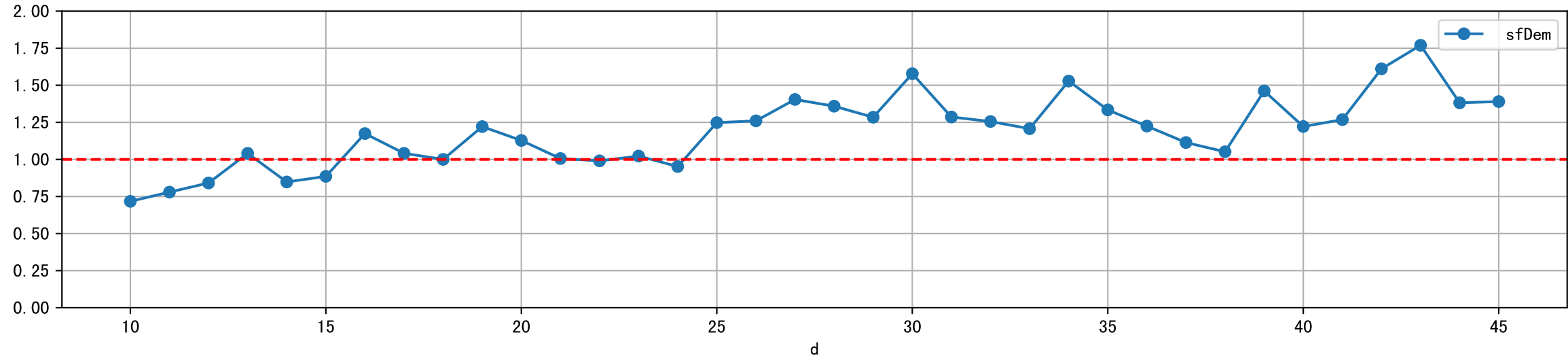
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

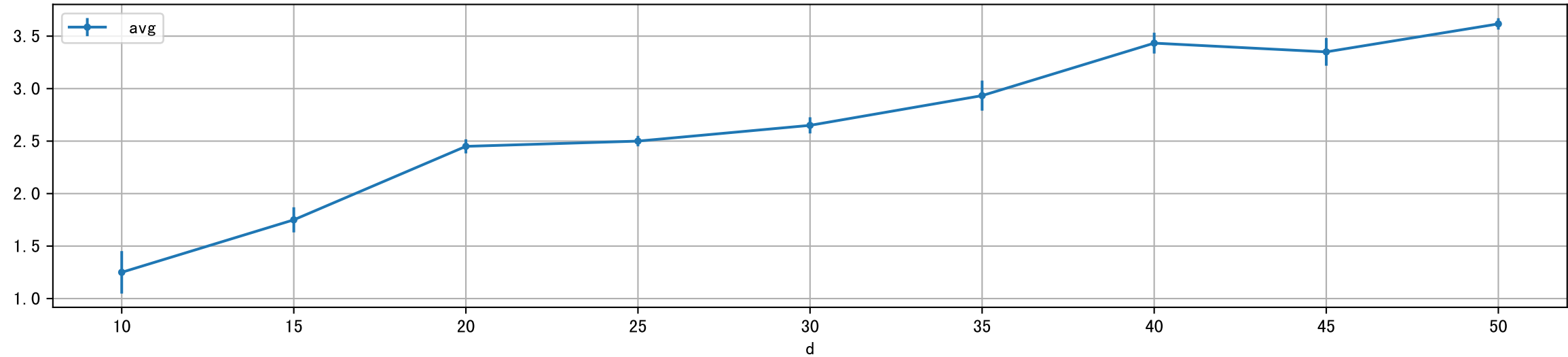


NdD: sfDem

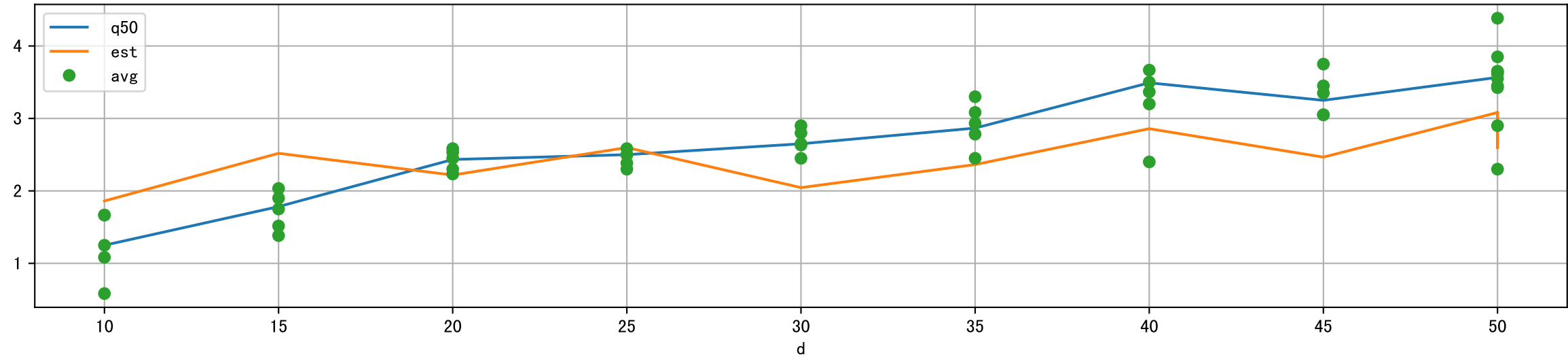




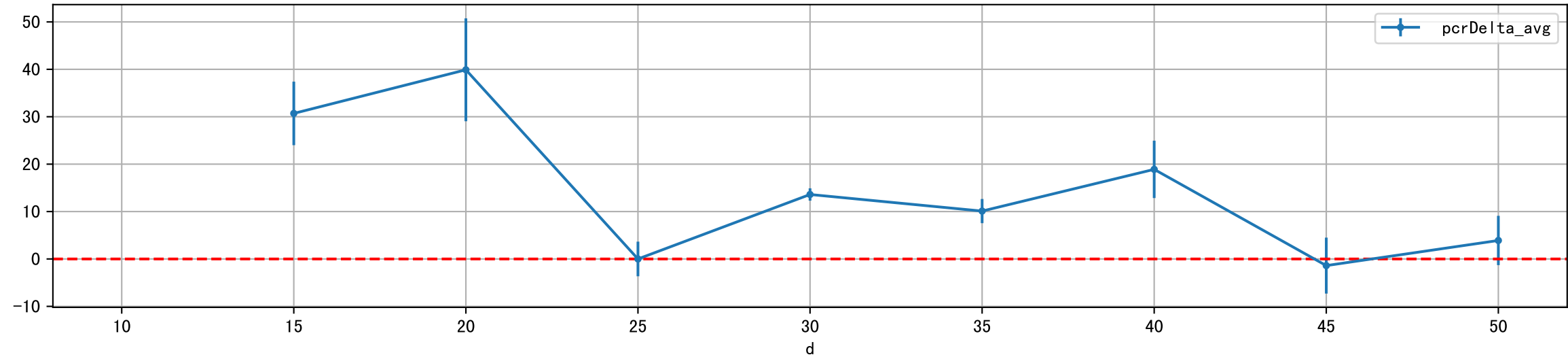
dStH: avg vs. d



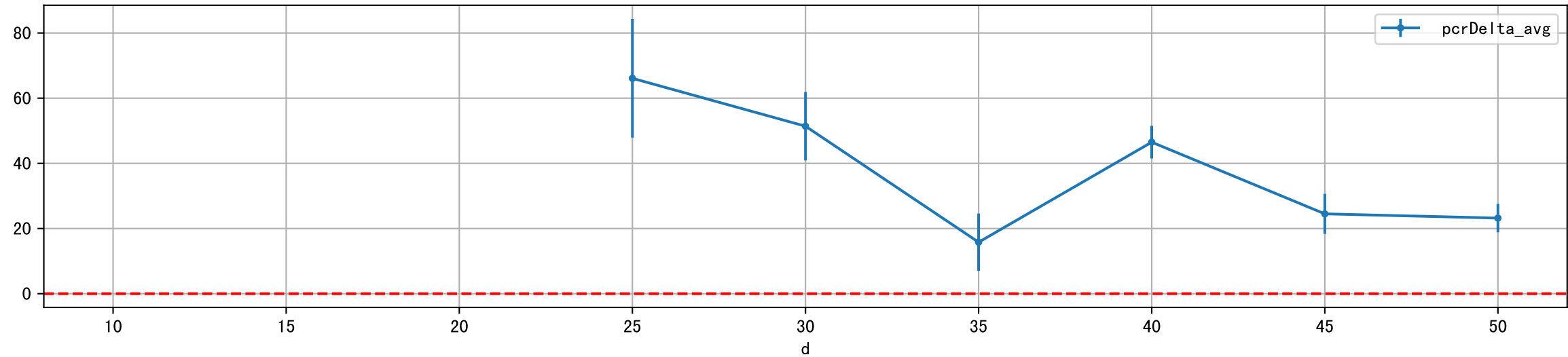
dStH: obsAvg vs obs0v@Q50



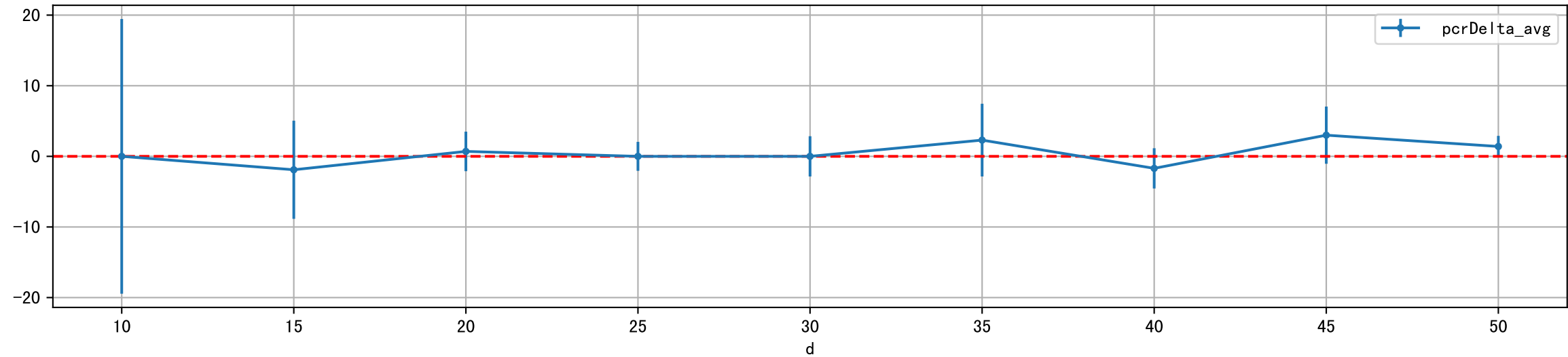
dStH: D_5d_StH



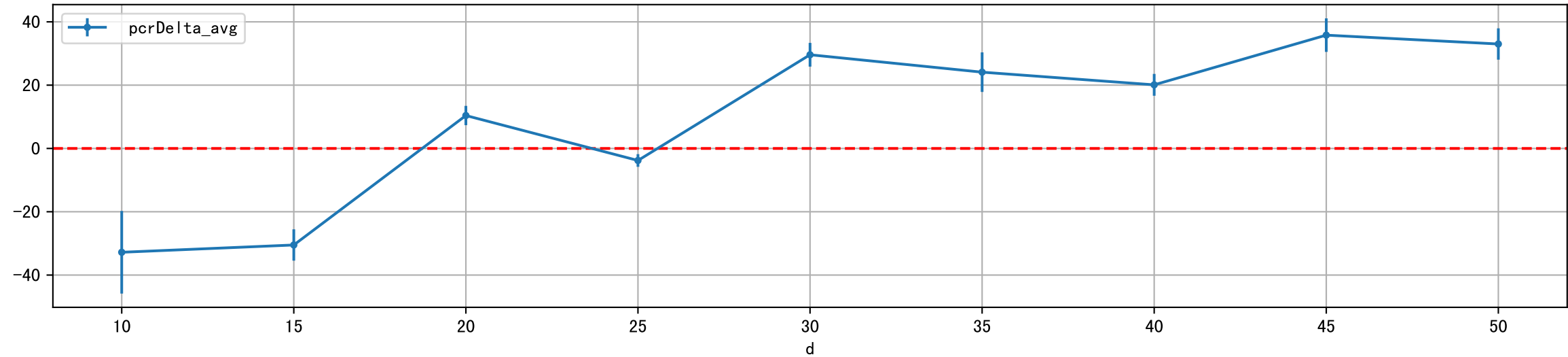
dStH: D_15d_StH



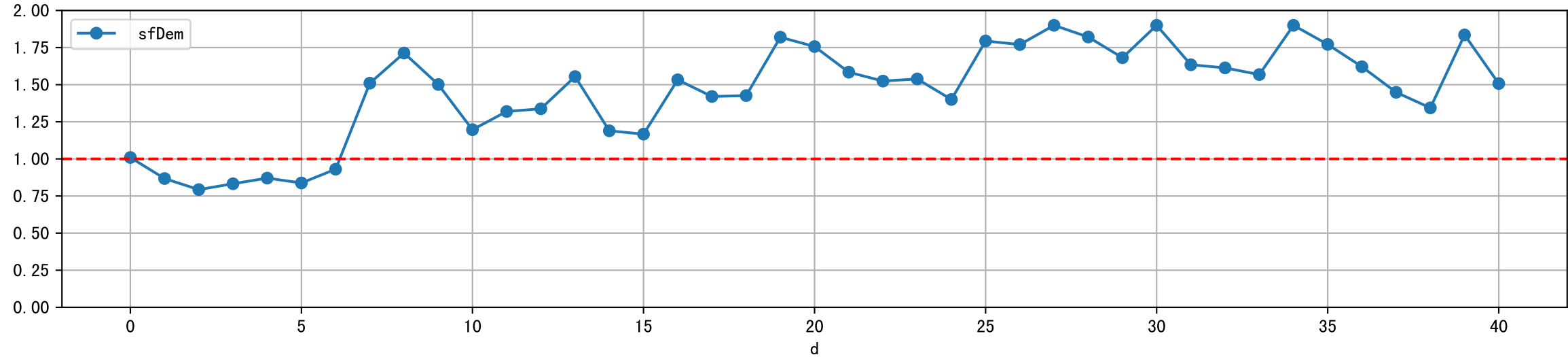
dStH: D_Q50_StH



dStH: D_Est_StH



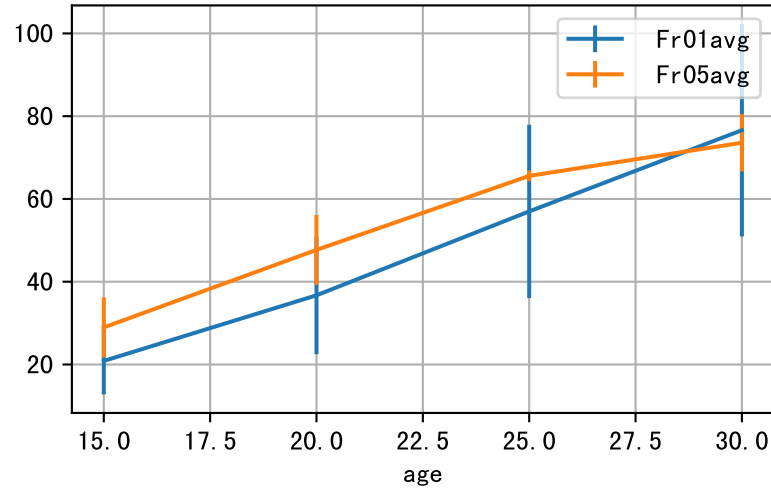
dStH: sfDem



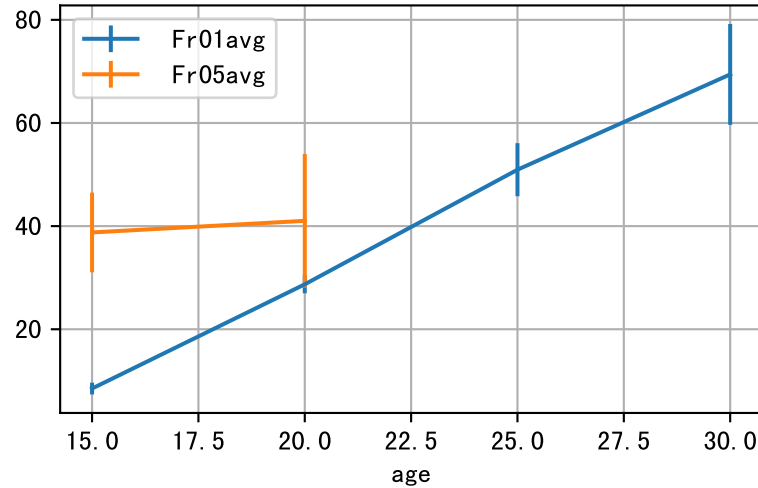


FrV: Fr01 vs Fr05 at each truss

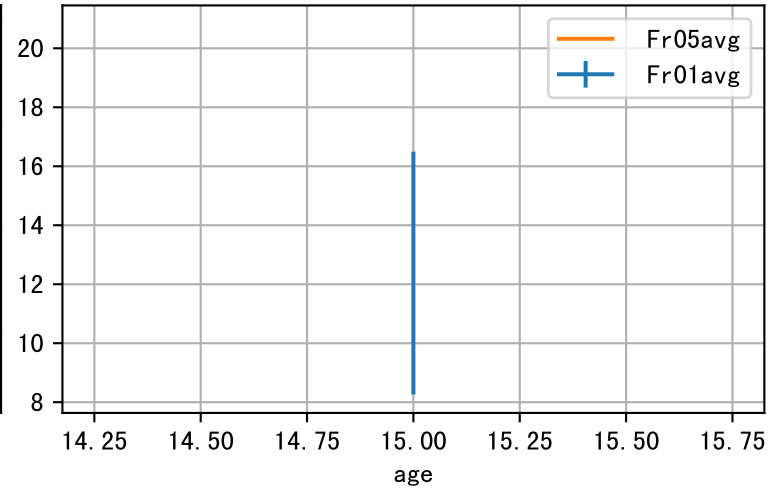
organID=T01



organID=T02

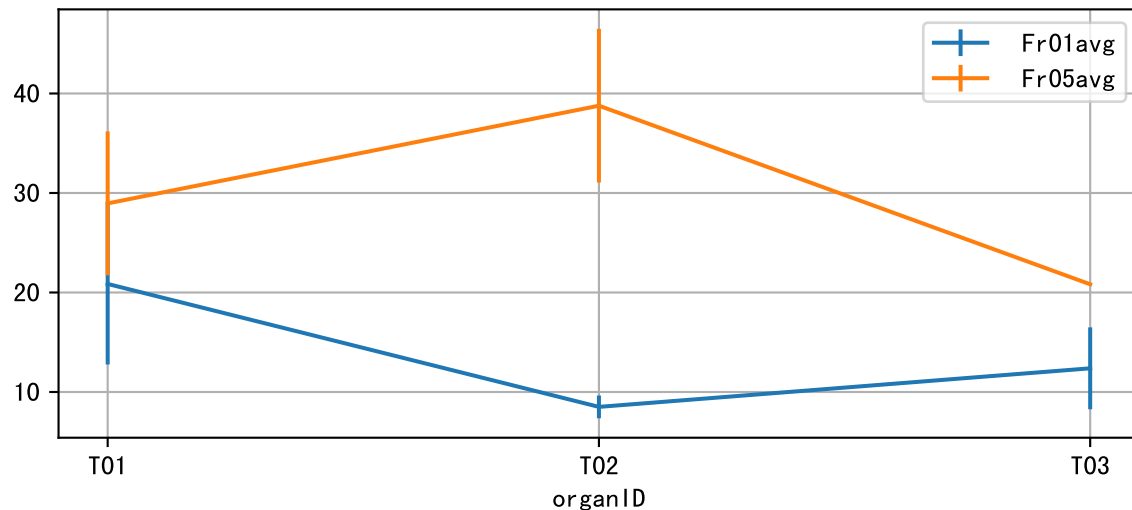


organID=T03

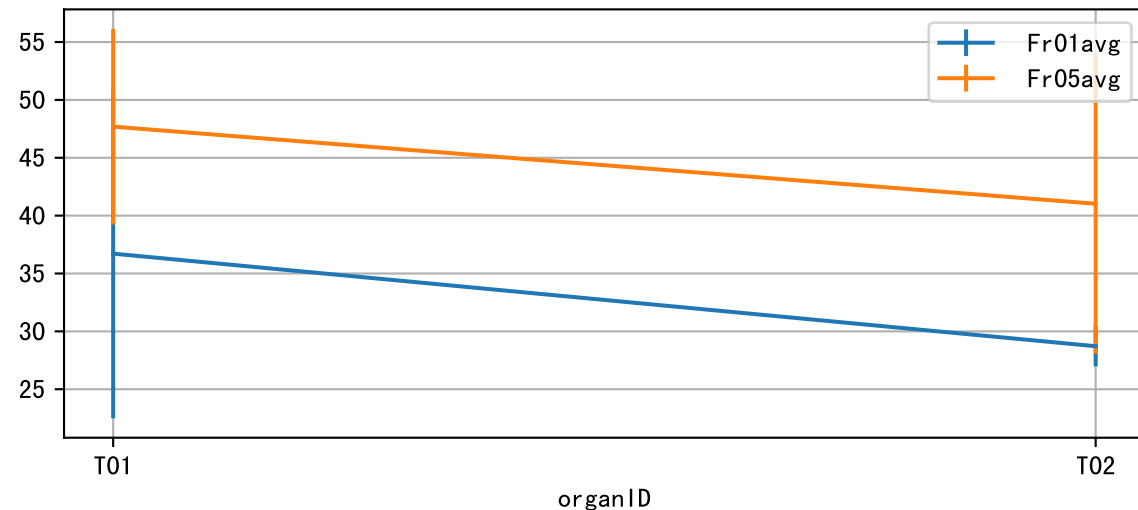


FrV trend at each age

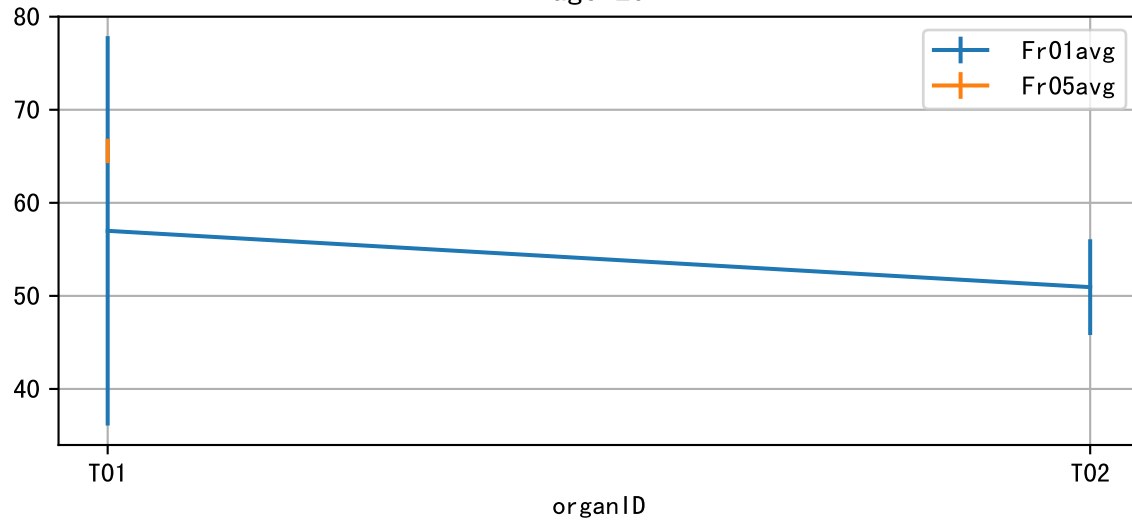
age=15



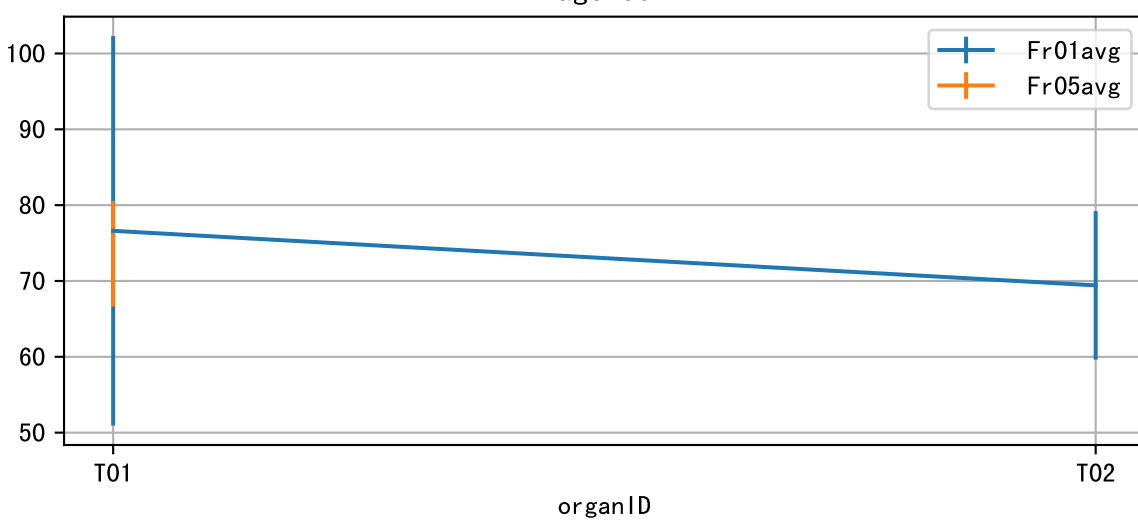
age=20



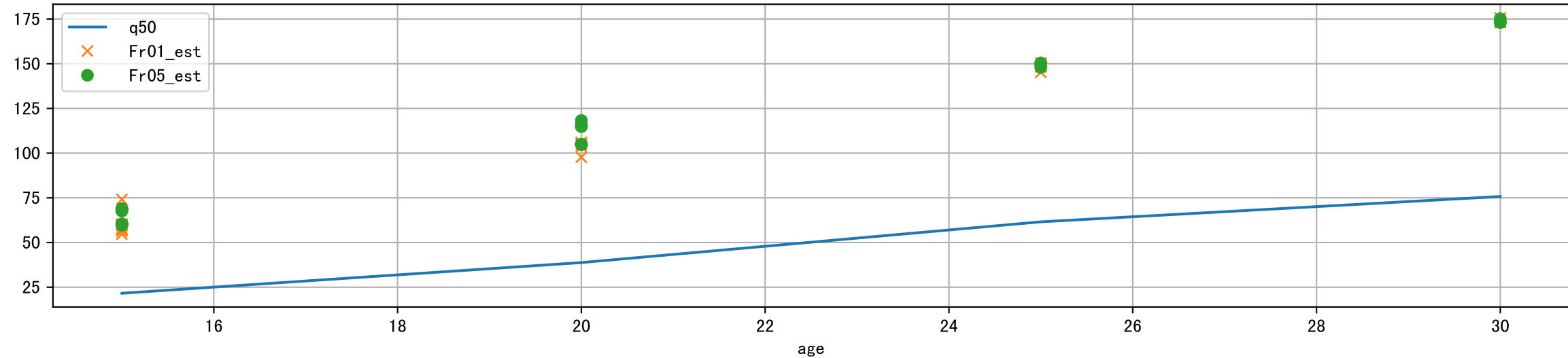
age=25



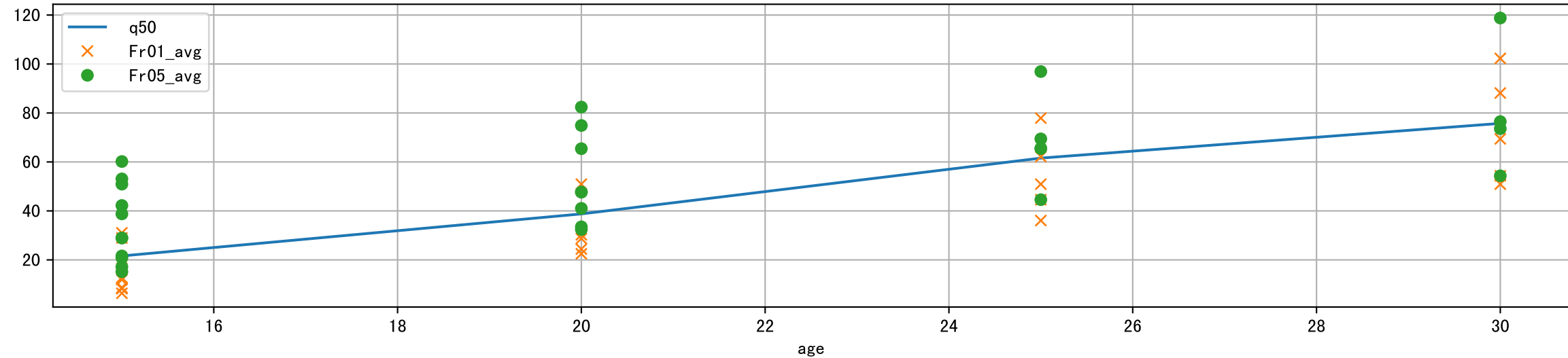
age=30



FrV: model Est vs obsFrV at Q90

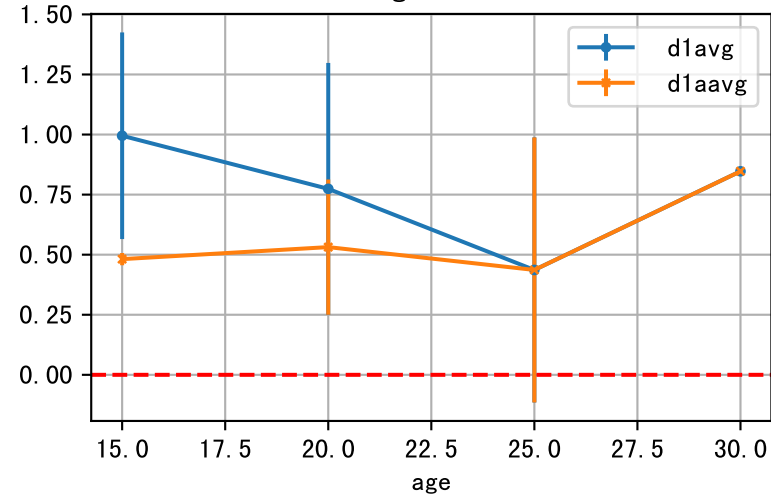


FrV: obsFrV vs obsFrV@Q90

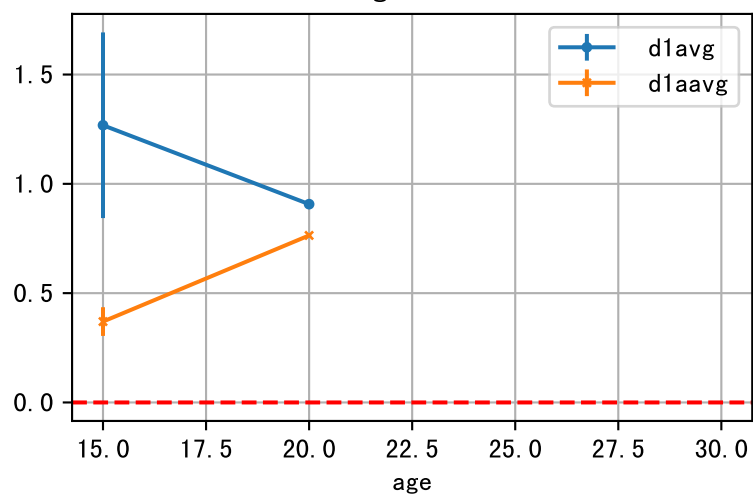


FrV: D_Fr1_FrV

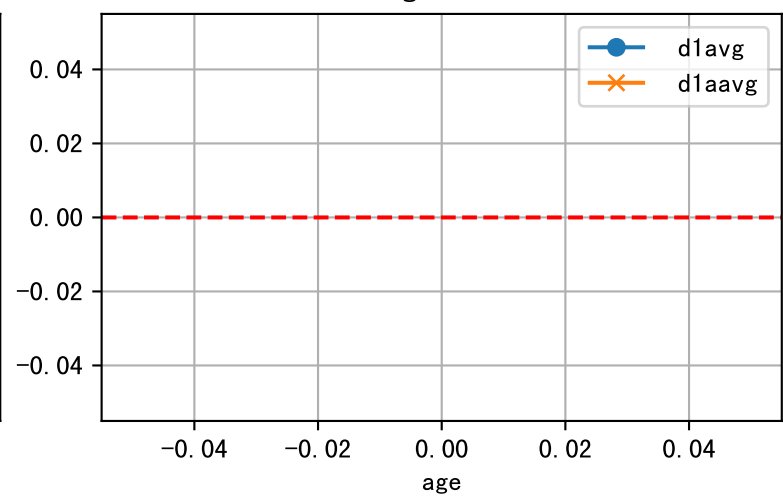
organID=1



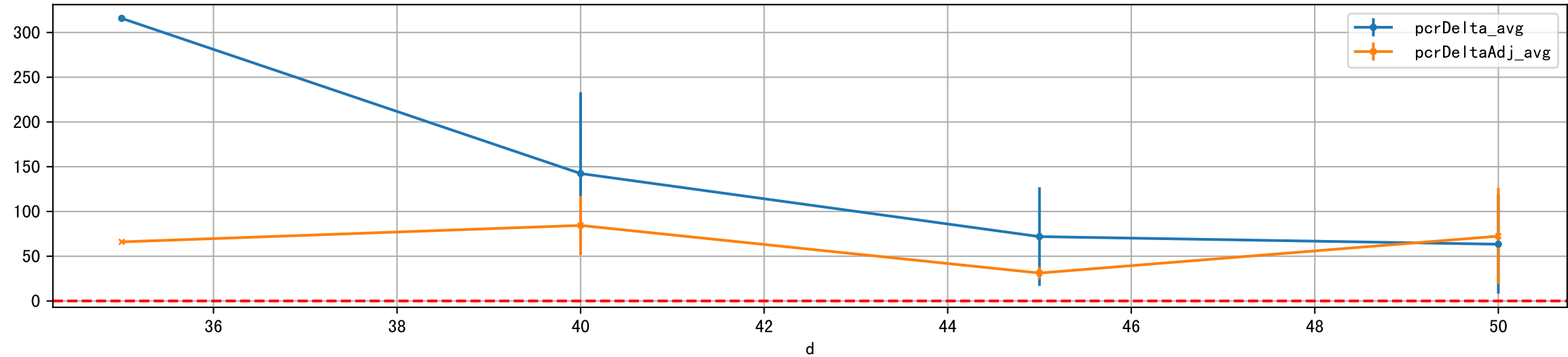
organID=2



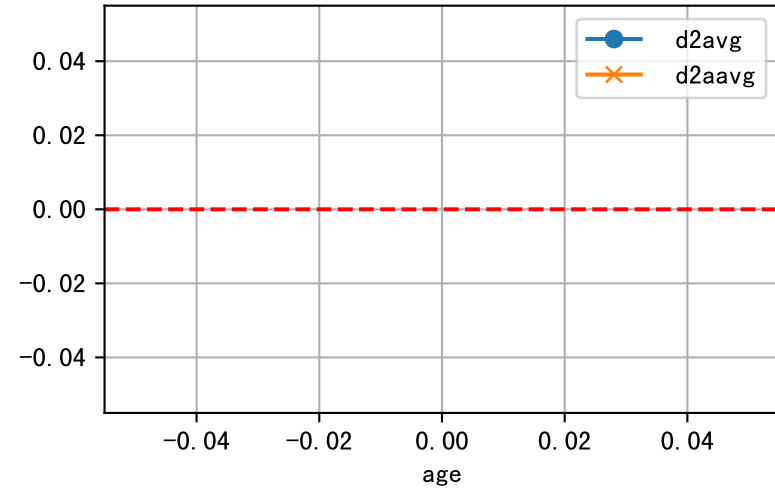
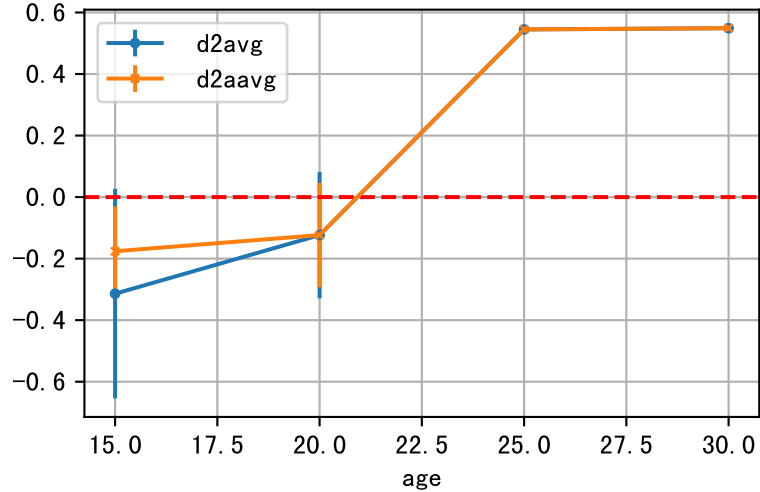
organID=3



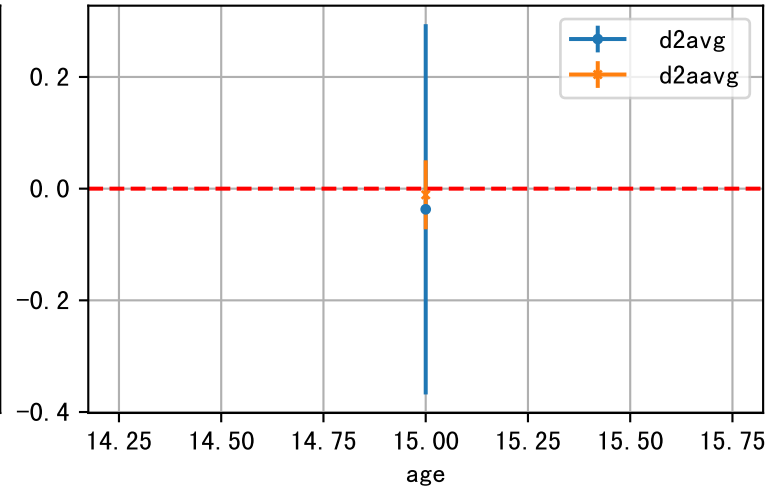
P6AE FrV: D_Fr1_FrV



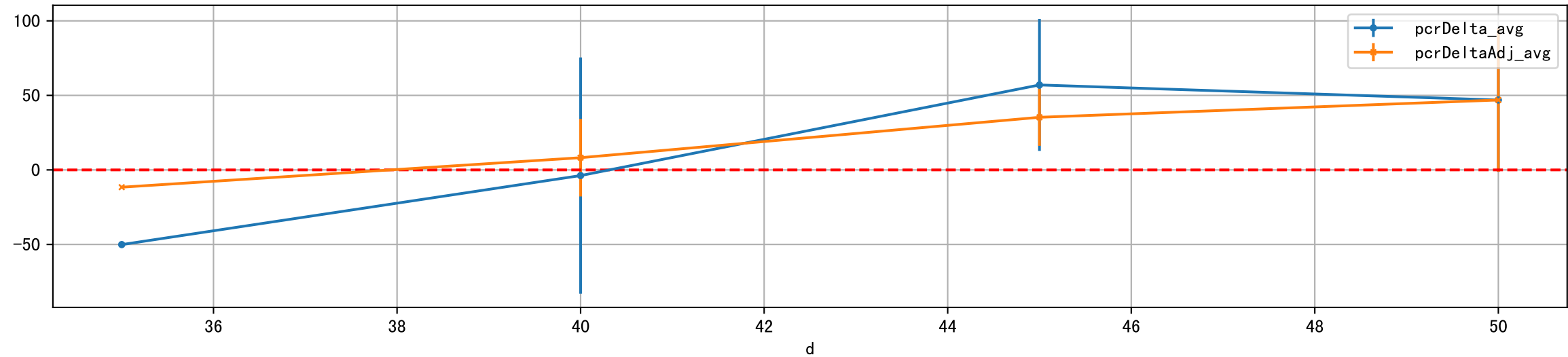
organID=1

FrV: D_Ts_FrV
organID=2

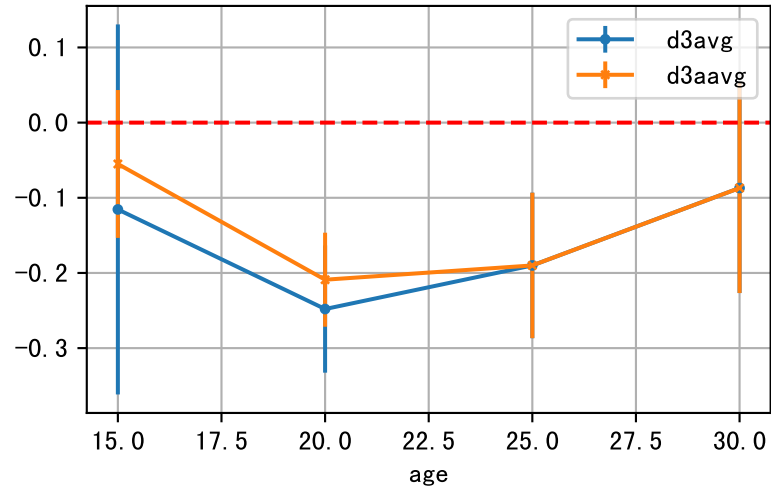
organID=3



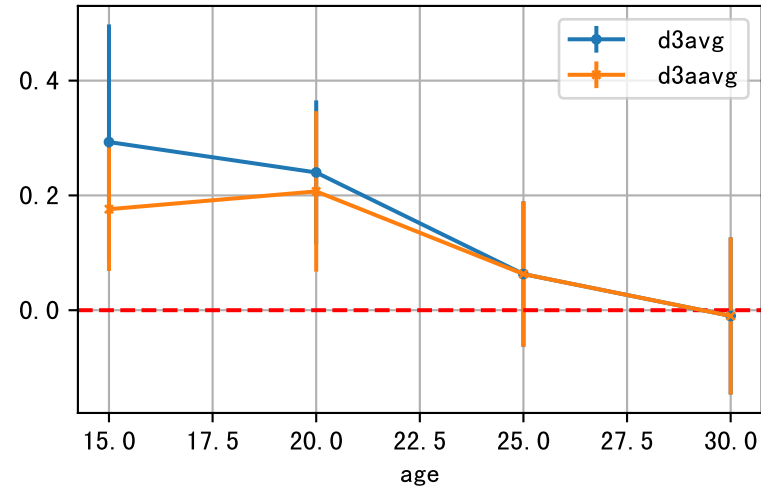
P6AE FrV: D_Ts_FrV



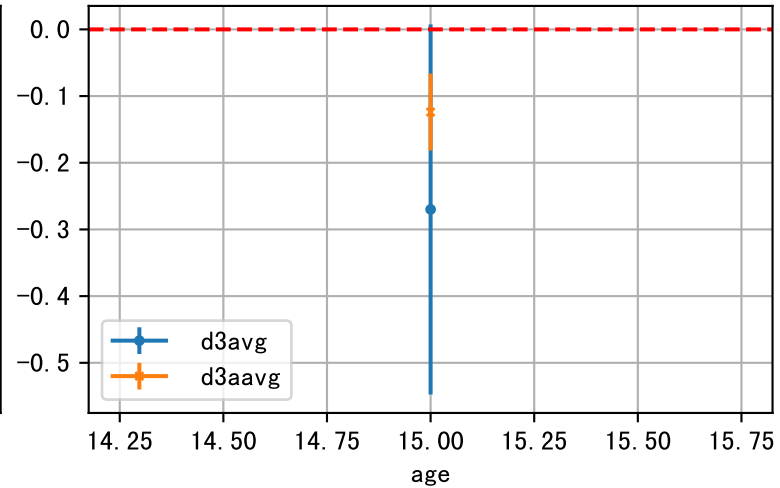
FrV: D_Q50_FrV
organID=2



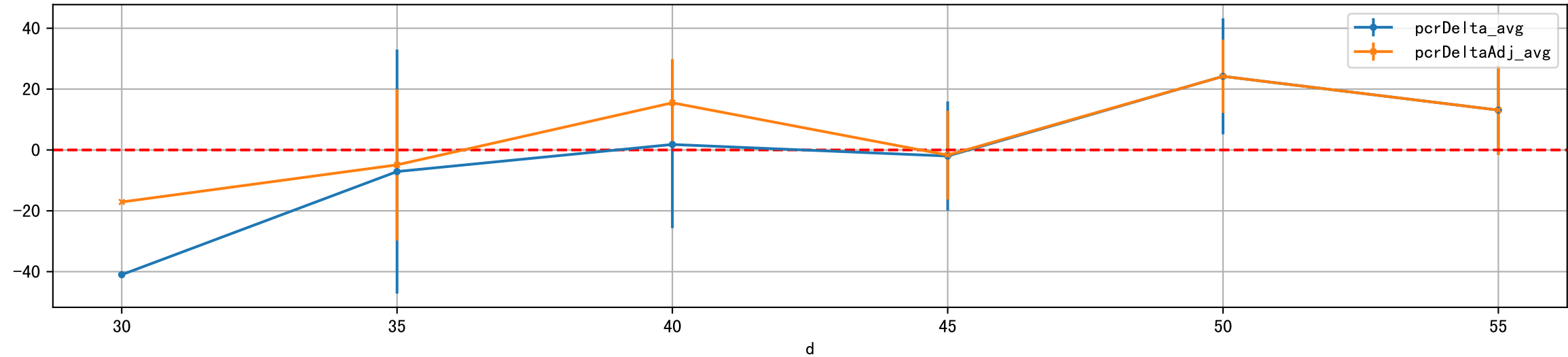
organID=1



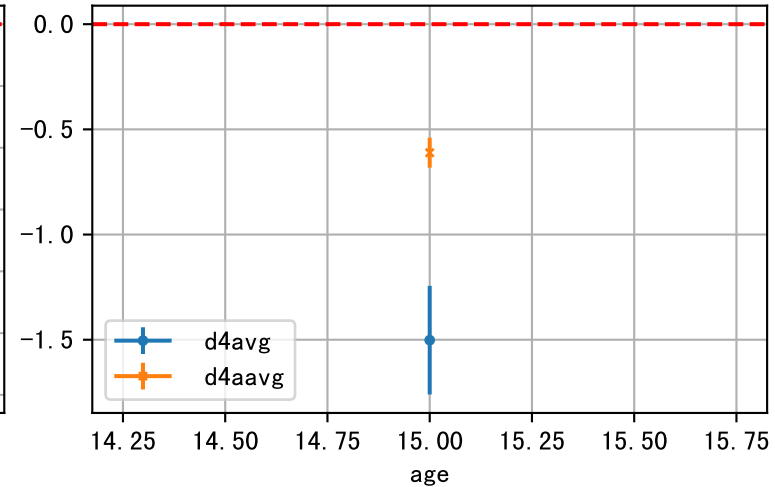
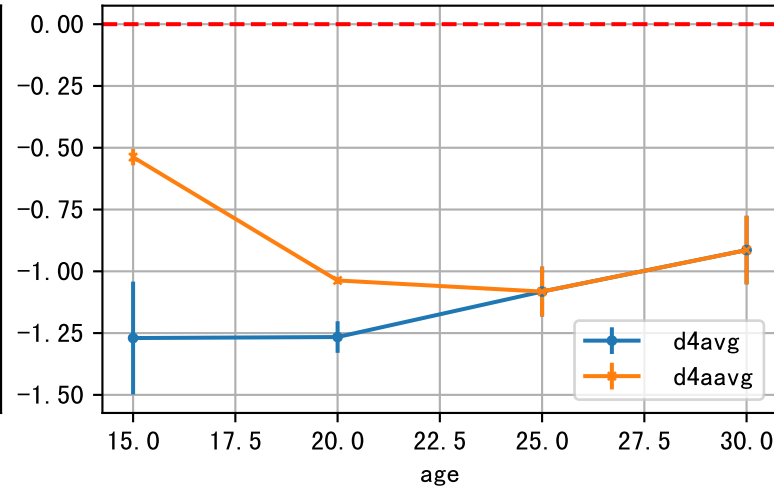
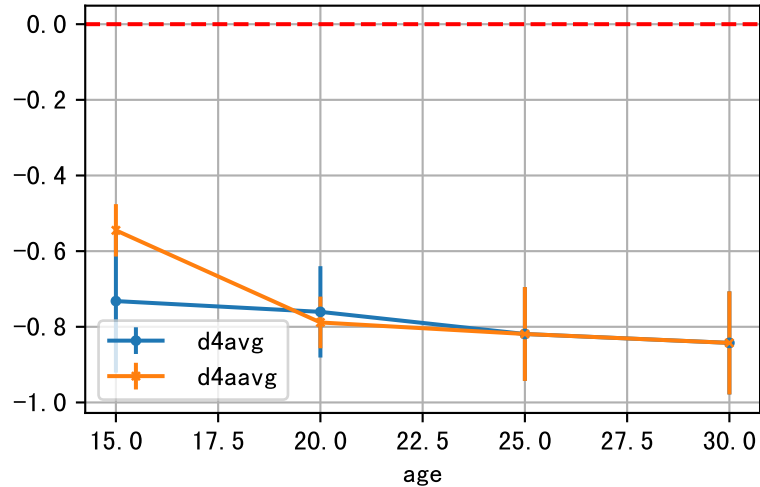
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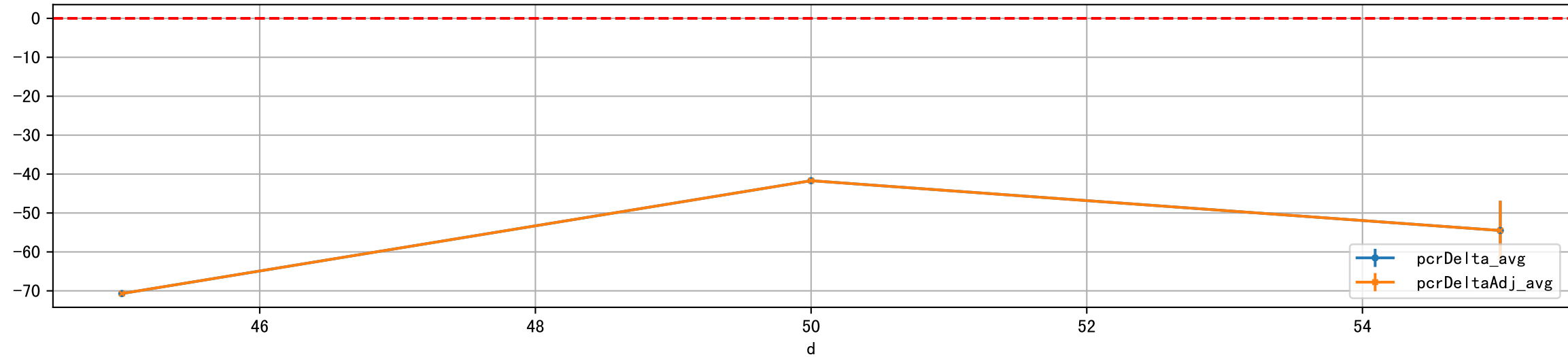
P6AE FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=2



P6AE FrV: D_Est_FrV



P6AE FrV: sfDem

