

Phenotype Data Analysis Plots

PhenoData day range = 5 – 70

Analysis cutoff day = 70

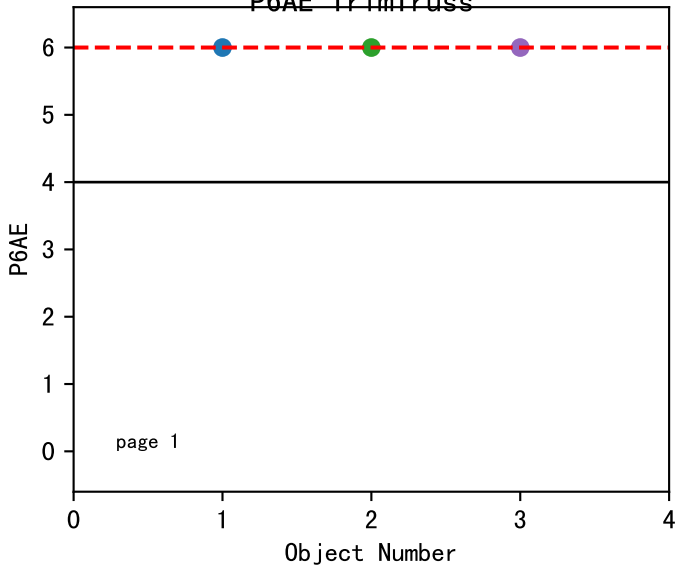
NC11 P6

2025-06-15 (Day 71)

TrussNodeMaxPerStem (Def=4.0 Set=6)

avg1=6.0~0% avg2=na

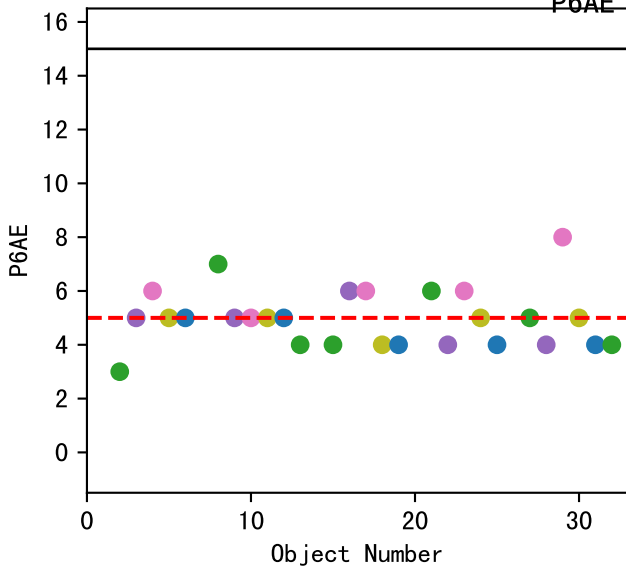
P6AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

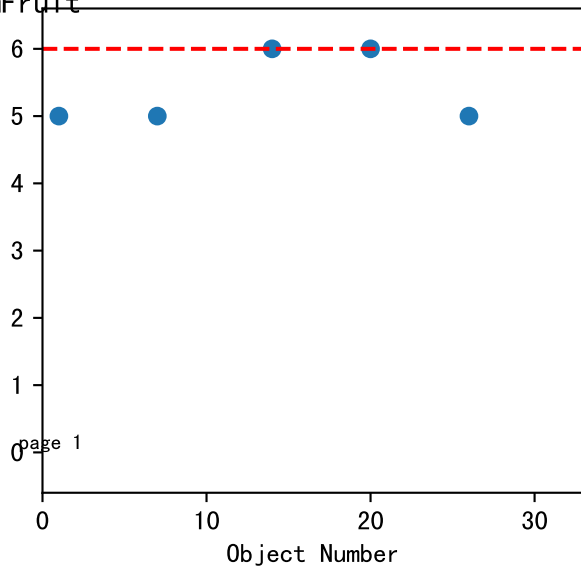
avg1=5.0~18% avg2=na

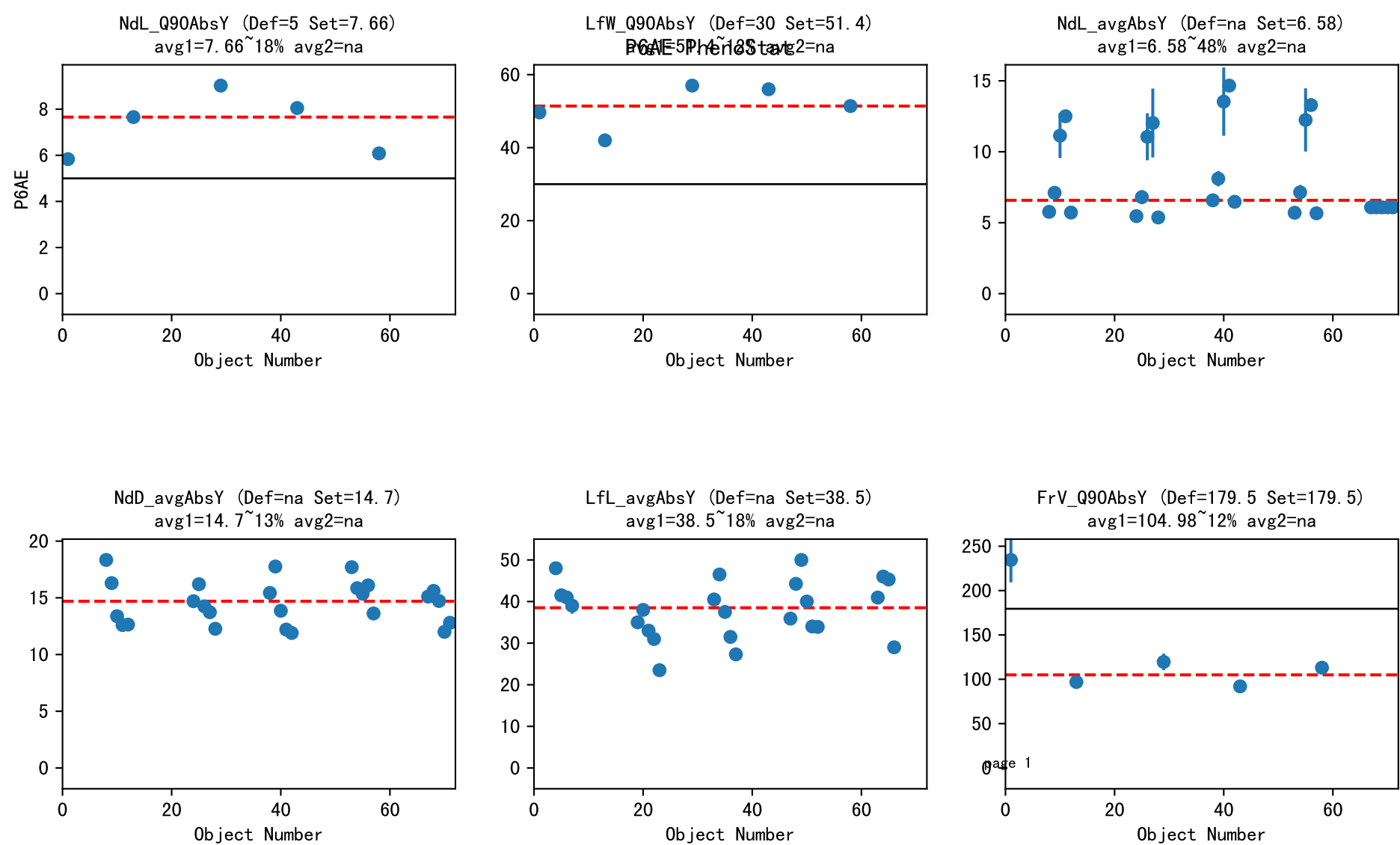
P6AE TrimFruit



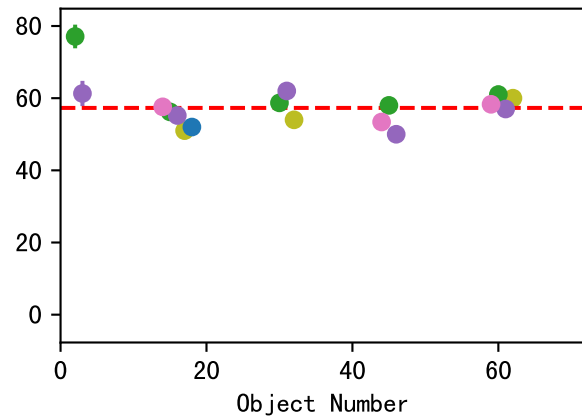
FruitNumMaxPerTruss (Def=na Set=6)

avg1=6.0~9% avg2=na

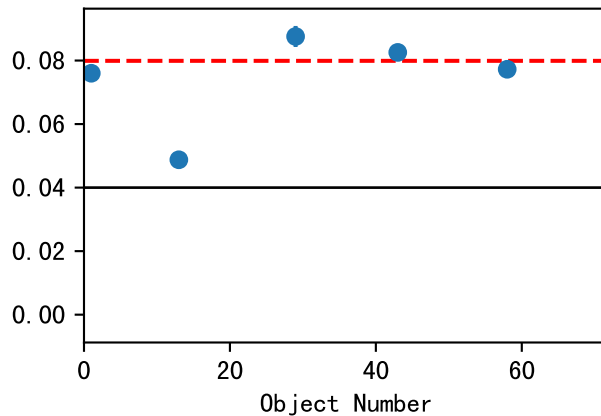




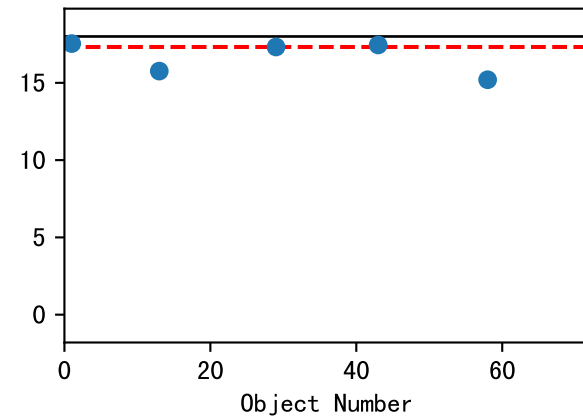
FrD_avgAbsY (Def=na Set=57.3)
avg1=57.3~6% avg2=na



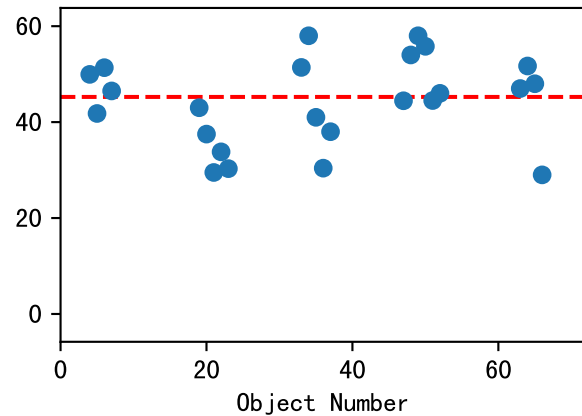
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.08~7% avg2=na



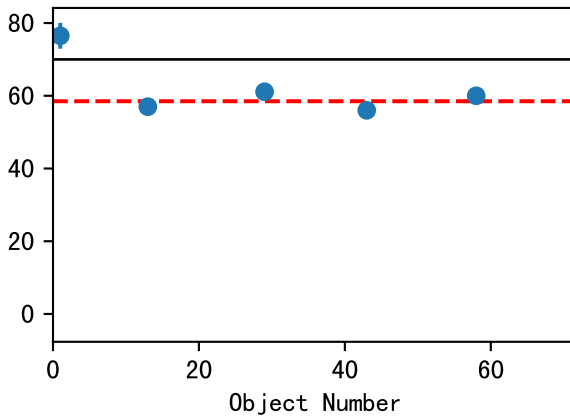
NdD_Q90AbsY (Def=18 Set=17.32)
avg1=17.32~6% avg2=na



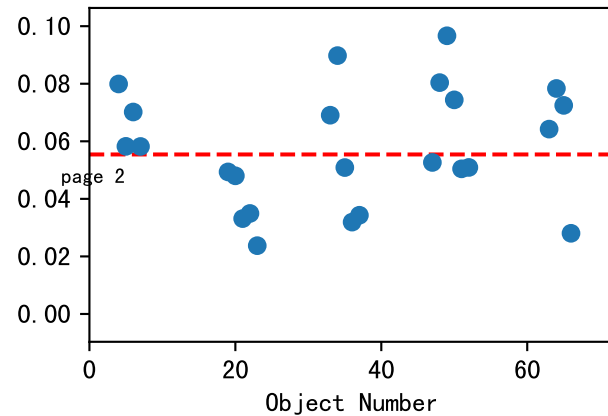
LfW_avgAbsY (Def=na Set=45.25)
avg1=45.25~20% avg2=na



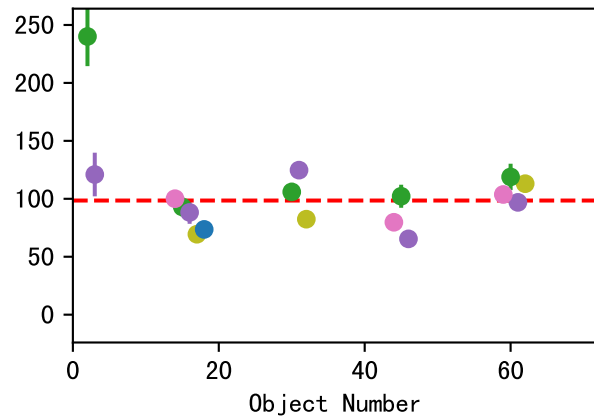
FrD_Q90AbsY (Def=70 Set=58.5)
avg1=58.5~4% avg2=na



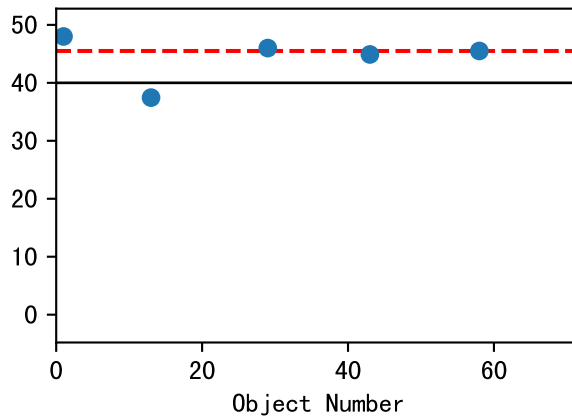
LfA_avgAbsY (Def=na Set=0.06)
avg1=0.06~37% avg2=na



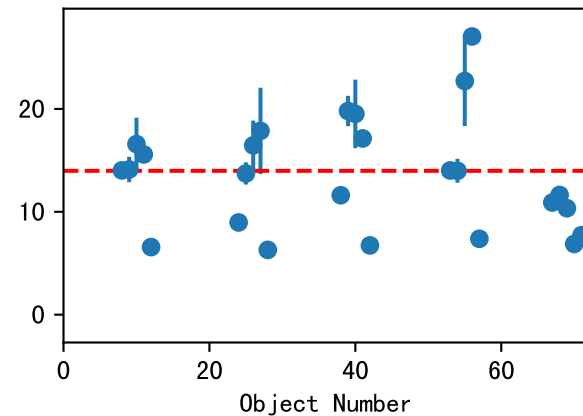
FrV_avgAbsY (Def=na Set=98.5)
avg1=98.5~19% avg2=na



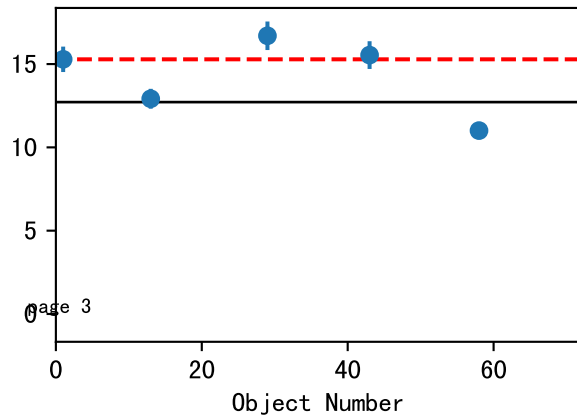
LfL_Q90AbsY (Def=40 Set=45.5)
avg1=45.5~18% avg2=na



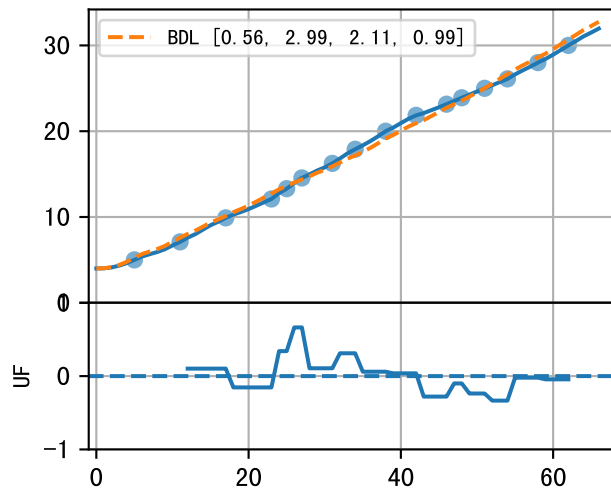
NdV_avgAbsY (Def=na Set=13.98)
avg1=13.98~39% avg2=na



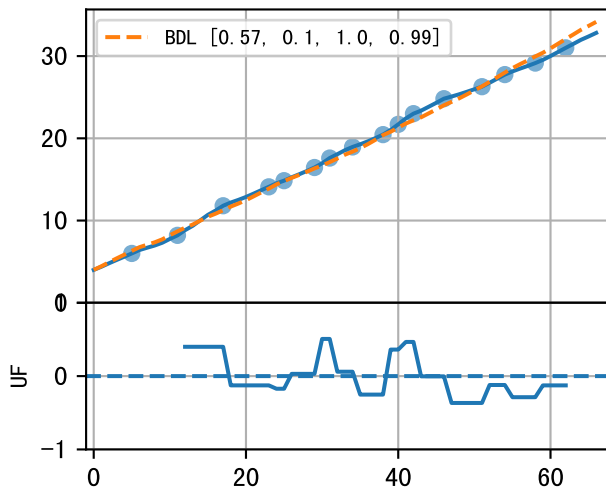
NdV_Q90AbsY (Def=12.72 Set=15.29)
avg1=15.29~15% avg2=na



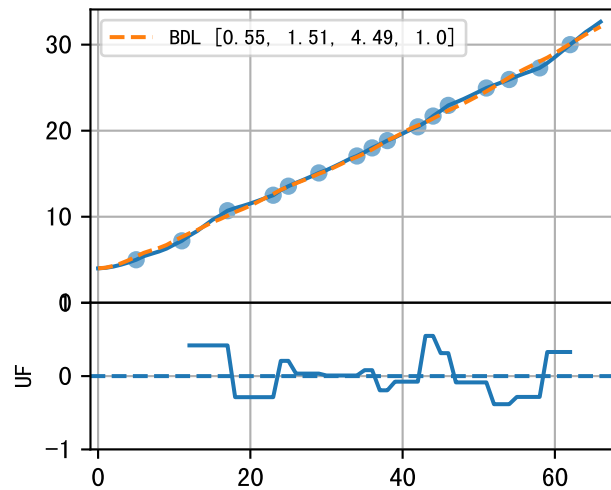
P6AE-007-10 (fit failed)



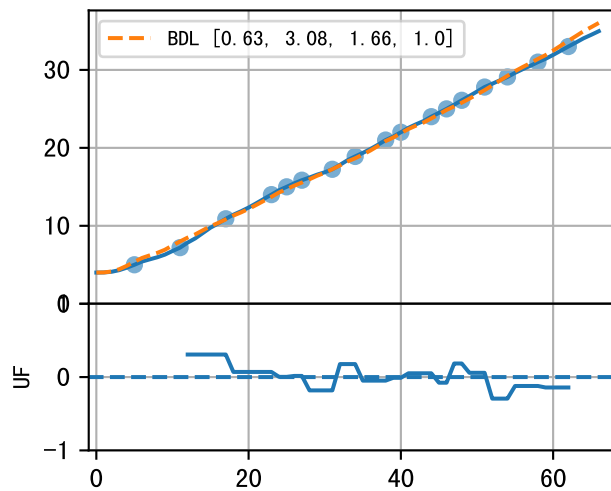
P6AE-014-10 (fit failed)



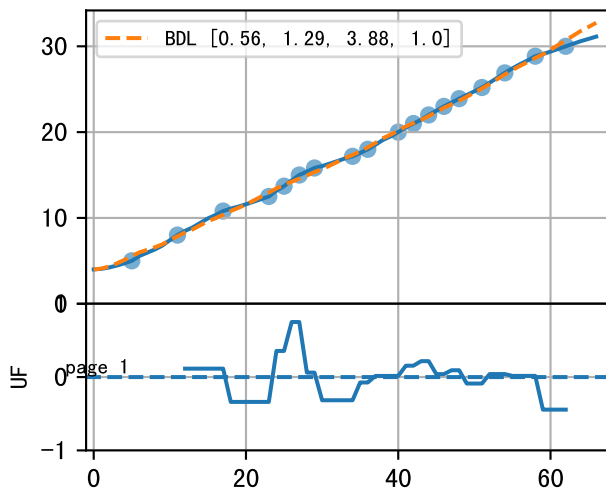
P6AE-026-25 (fit failed)



P6AE-033-4 (fit failed)



P6AE-045-12 (fit failed)



P6AEavg (fit failed)

NdN

BDL [0.57, 1.99, 1.72, 1.0]

UF
page 1

30

20

10

0

0

-1

0

10

20

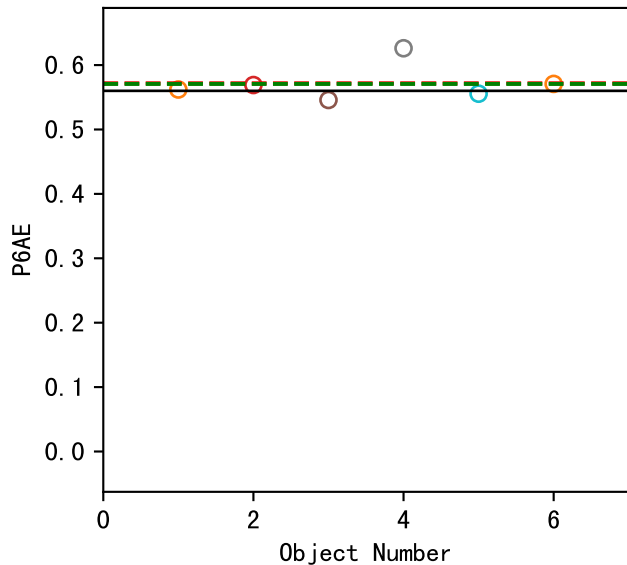
30

40

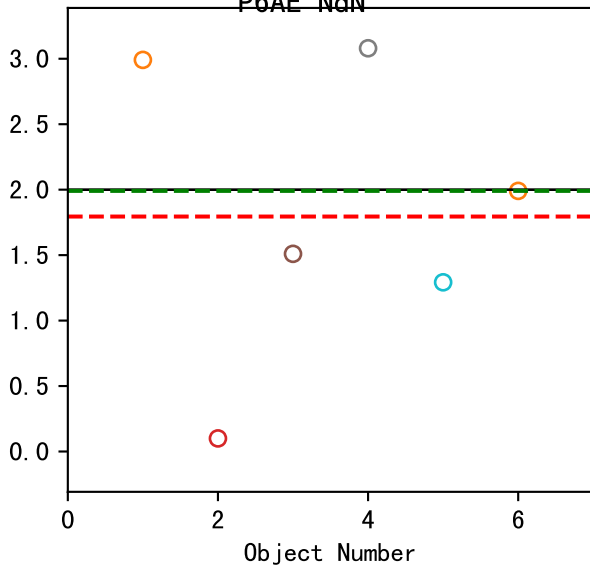
50

60

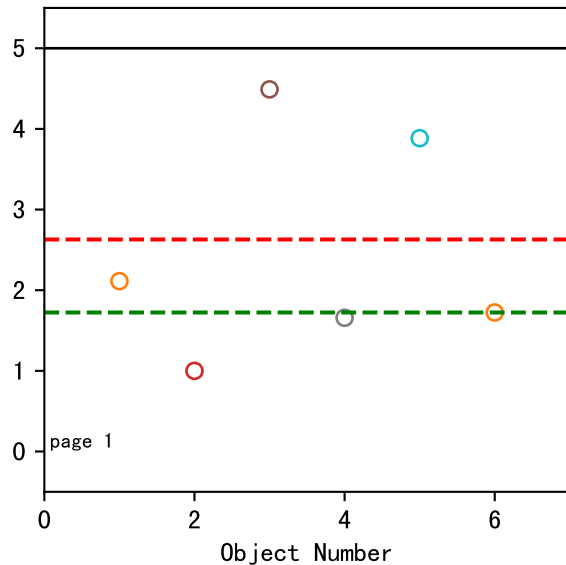
a (Def=0.56 Set=0.57)
avg1=0.57(fail) avg2=0.57



dm (Def=2 Set=1.99)
avg1=1.79(fail) avg2=1.99



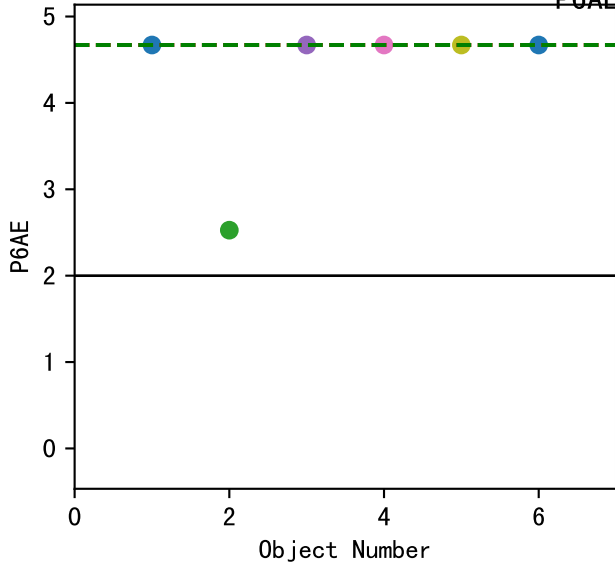
de (Def=5 Set=1.72)
avg1=2.63(fail) avg2=1.72



InitDev_dm (Def=2 Set=4.67)

avg1=4.67~0% avg2=4.67

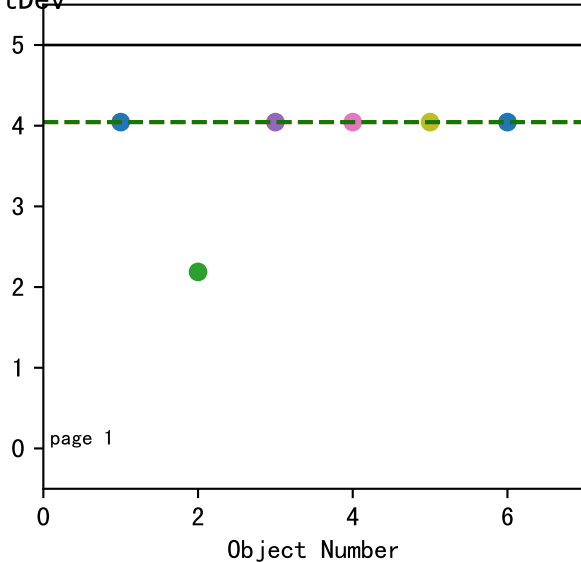
P6AE



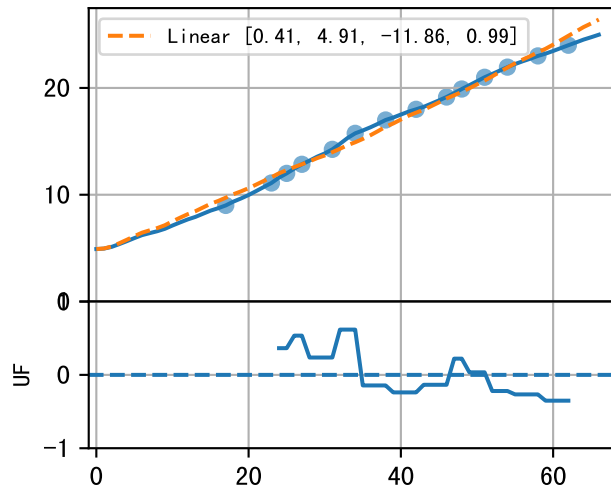
InitDev_de (Def=5 Set=4.04)

avg1=4.04~0% avg2=4.04

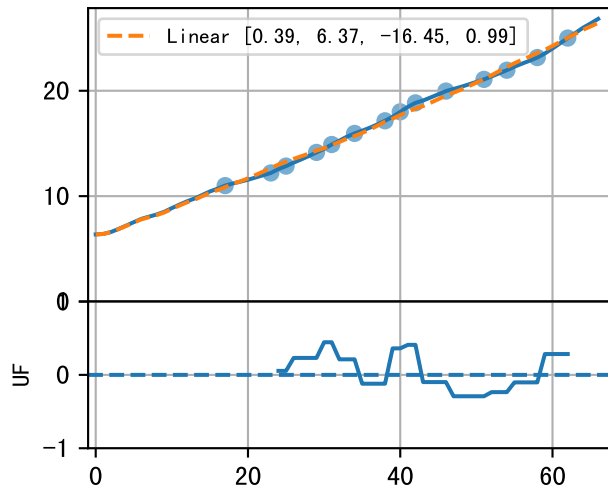
InitDev



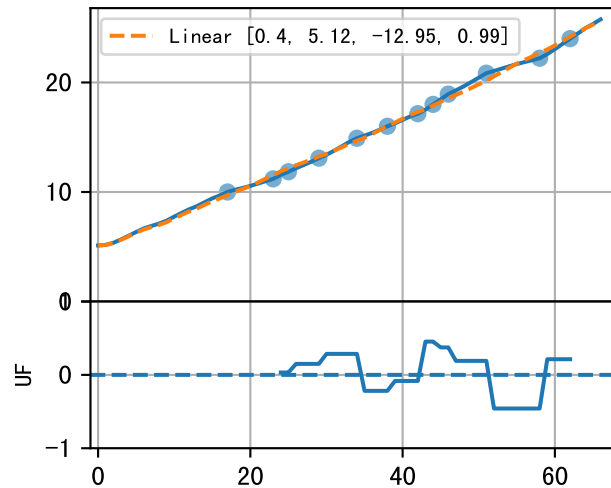
P6AE-007-10



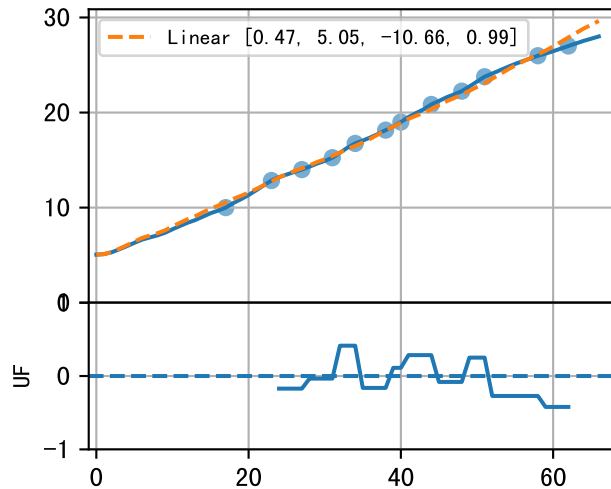
P6AE-014-17



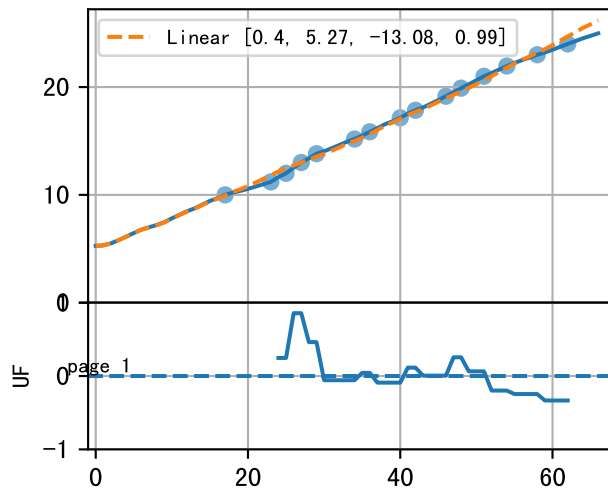
P6AE-026-25



P6AE-033-4



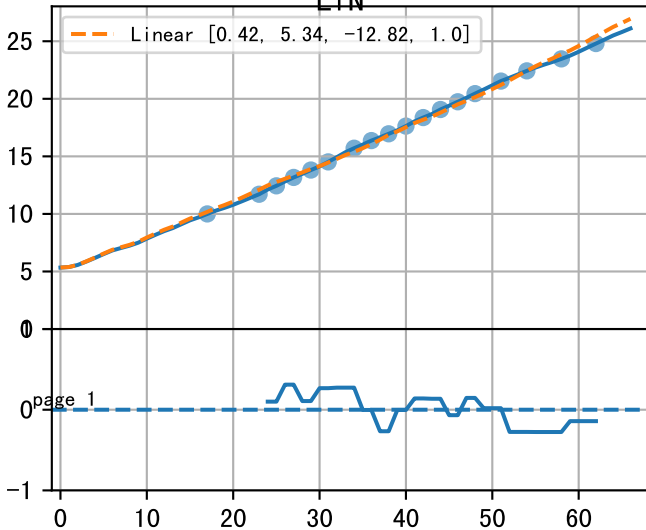
P6AE-045-12



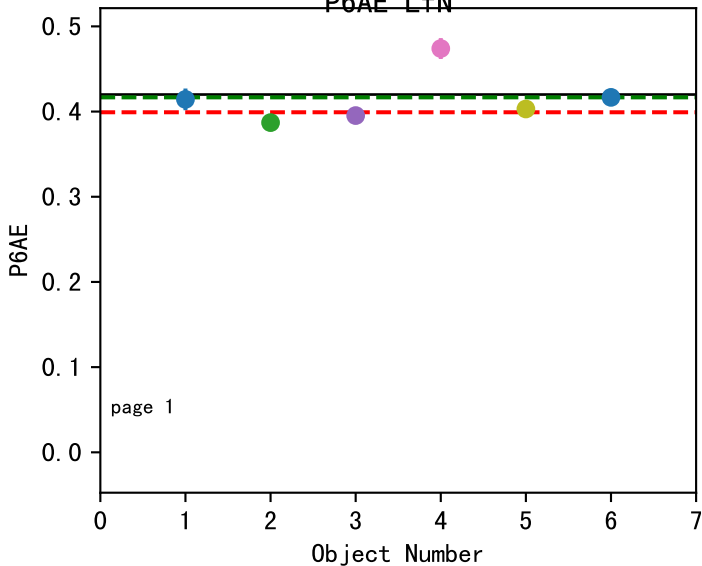
P6AEavg
Lfn

Linear [0.42, 5.34, -12.82, 1.0]

UF
page 1

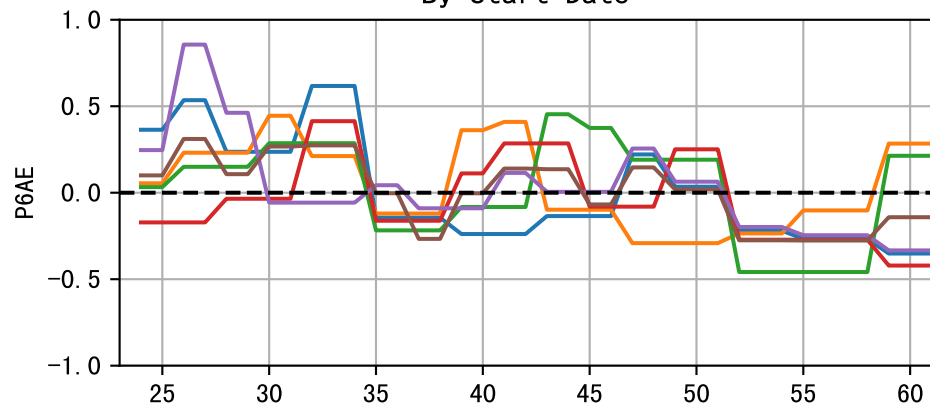


a (Def=0.42 Set=0.42)
avg1=0.4^{~3%} avg2=0.42^{~4%}
P6AE LFN

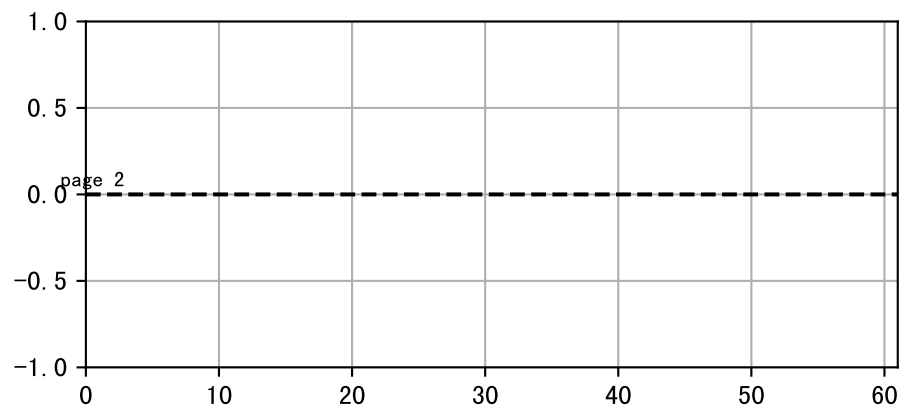
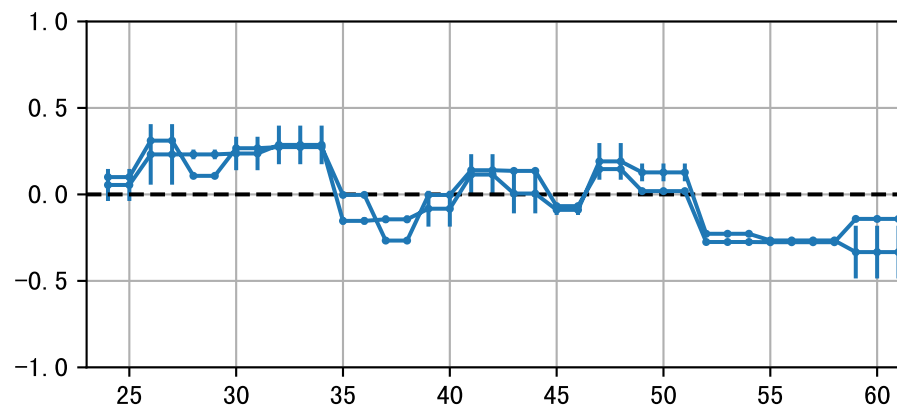
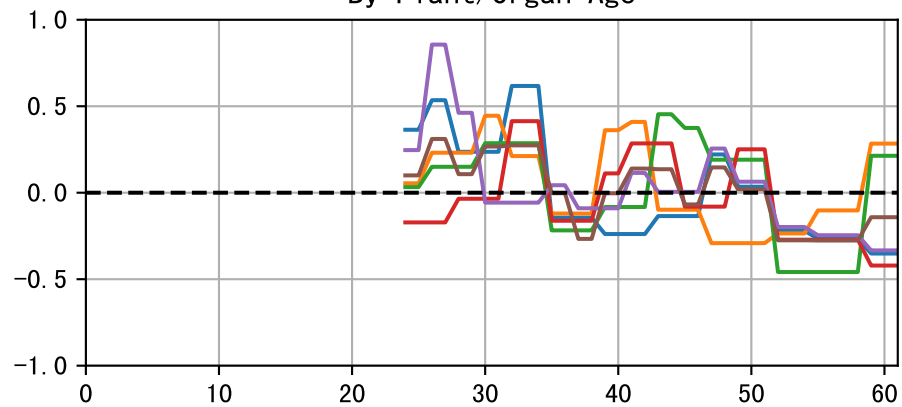


page 1

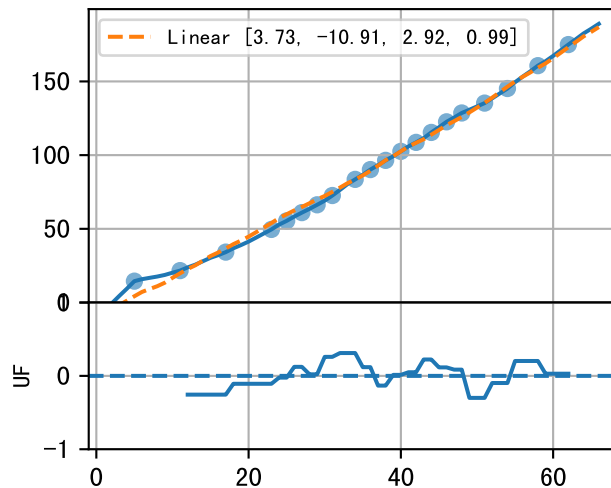
By Start Date



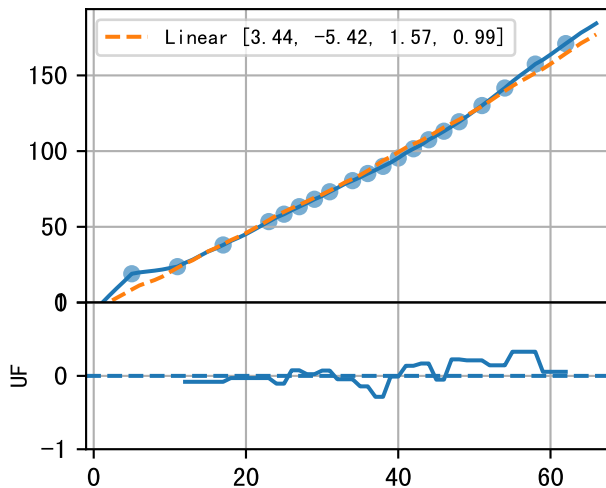
By Plant/Organ Age



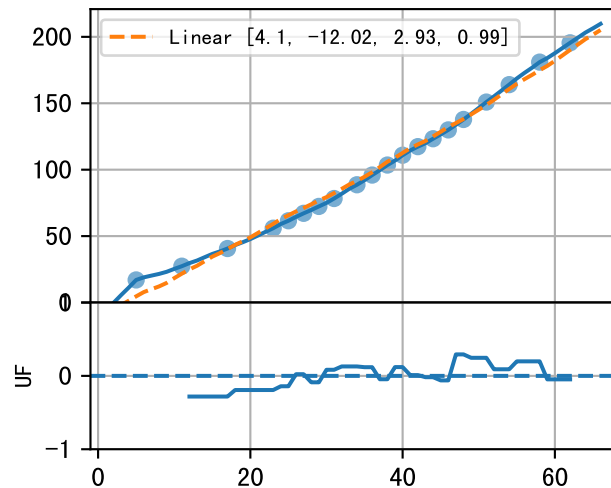
P6AE-007-10



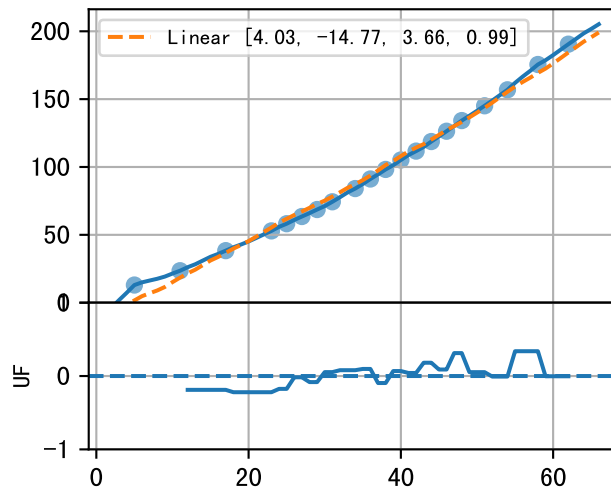
P6AE-014-17



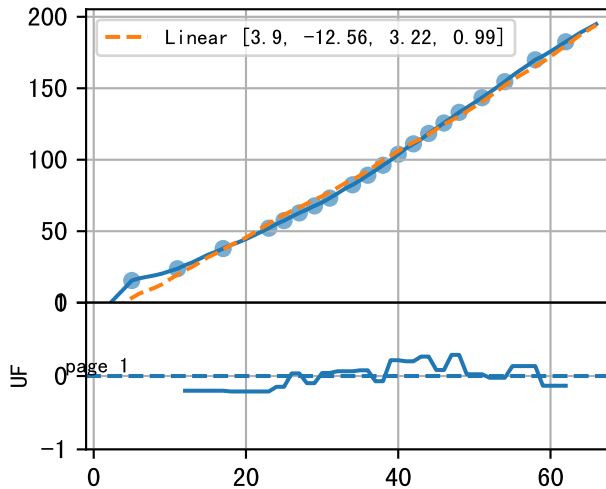
P6AE-026-25



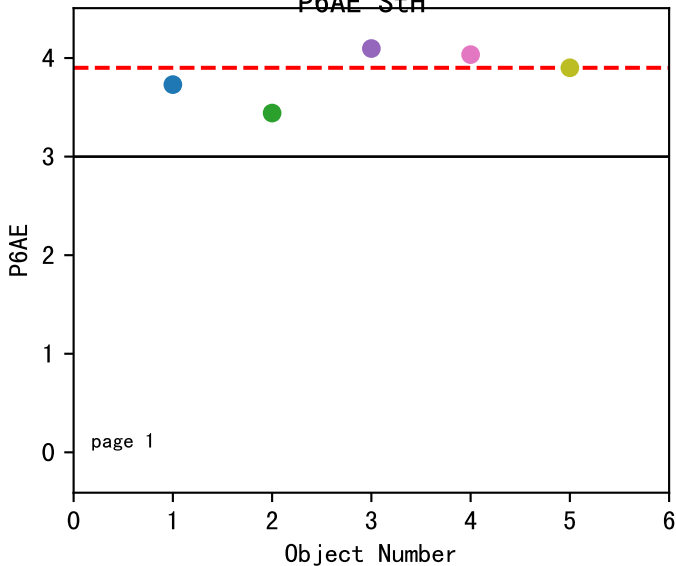
P6AE-033-4



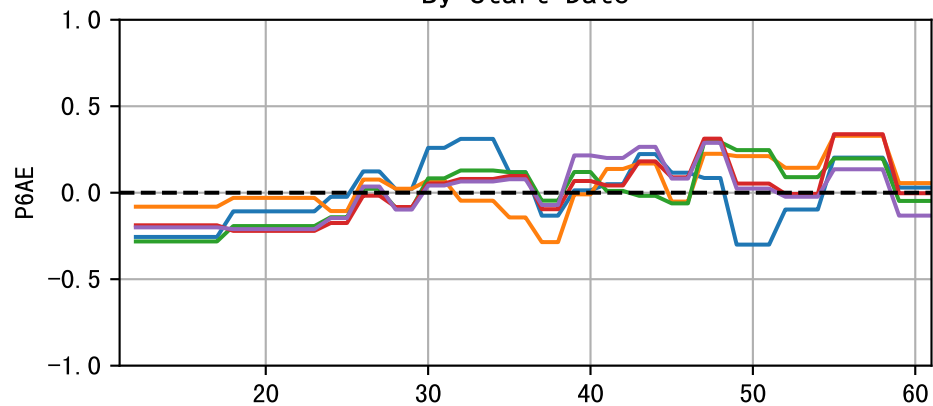
P6AE-045-12



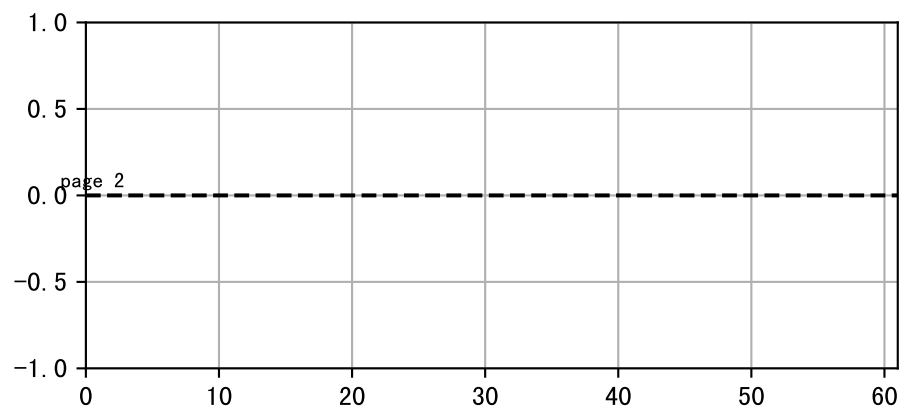
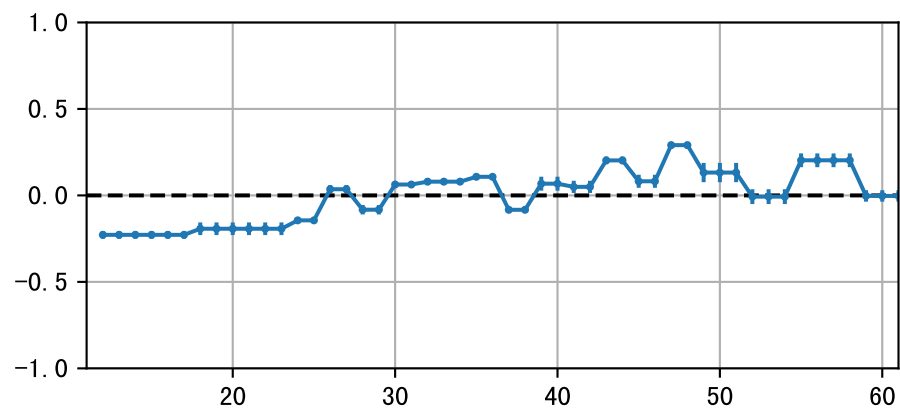
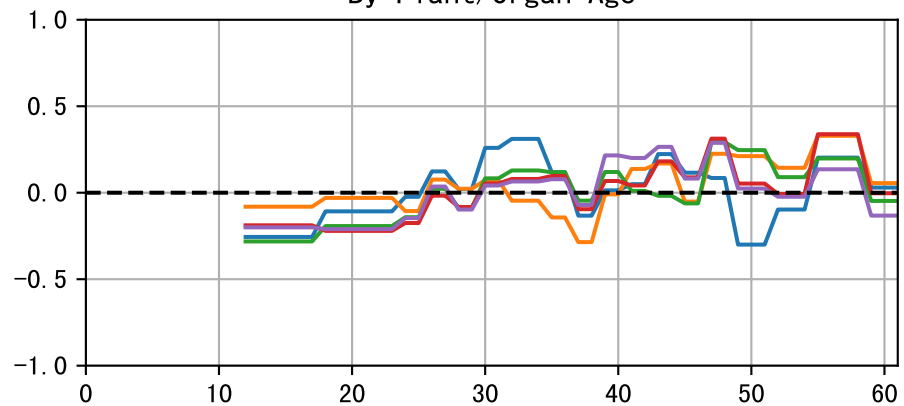
a (Def=3 Set=3.9)
avg1=3.9~7% avg2=na
P6AE StH



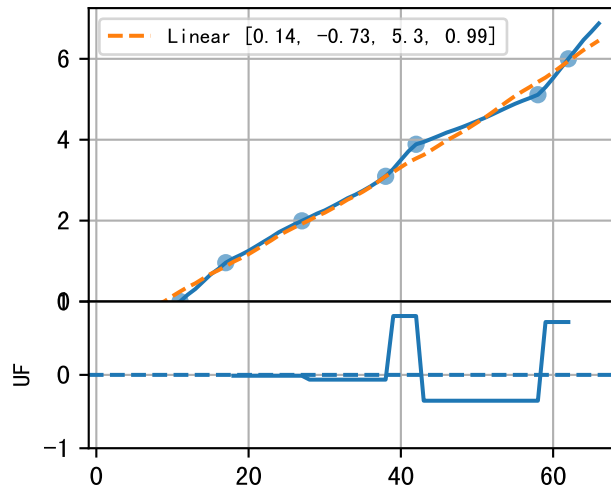
By Start Date



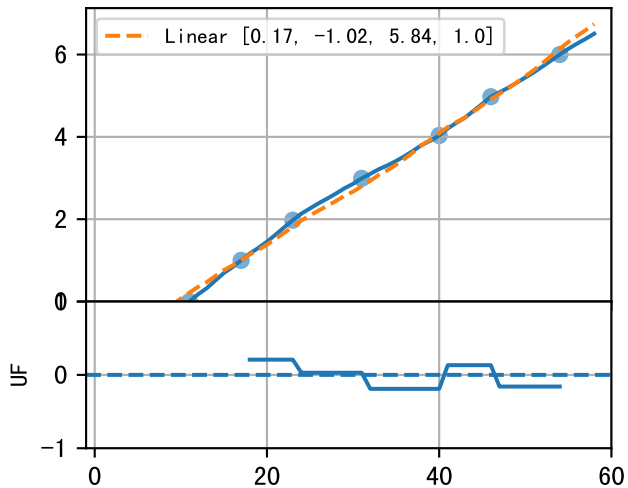
By Plant/Organ Age



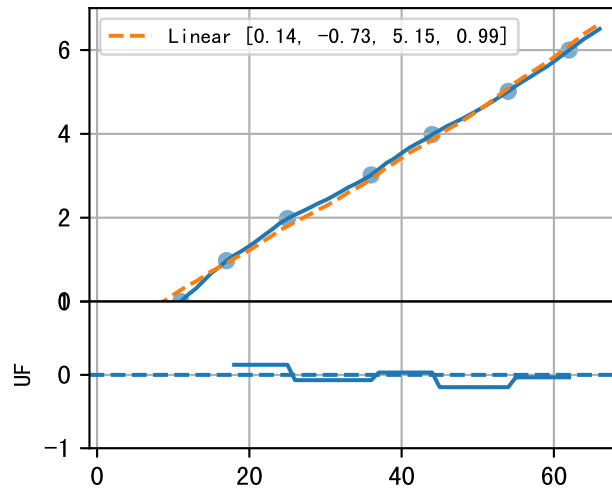
P6AE-007-10



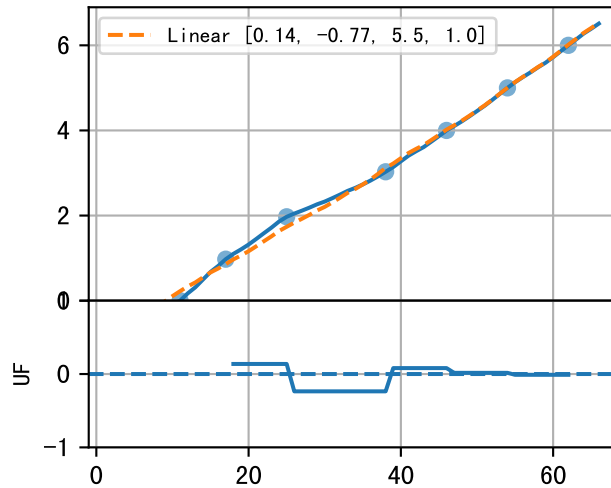
P6AE-014-17



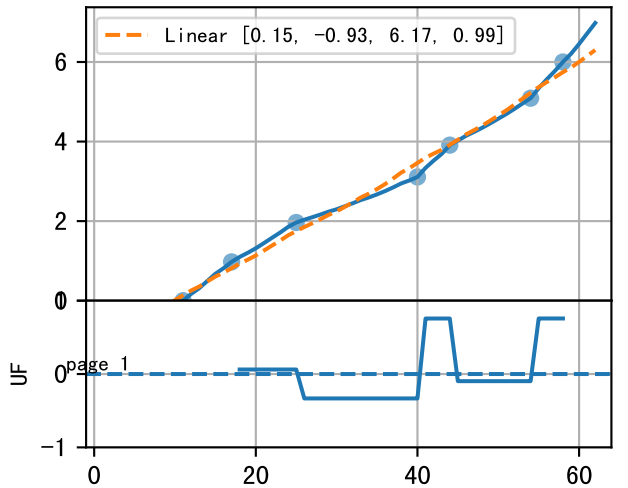
P6AE-026-25



P6AE-033-4



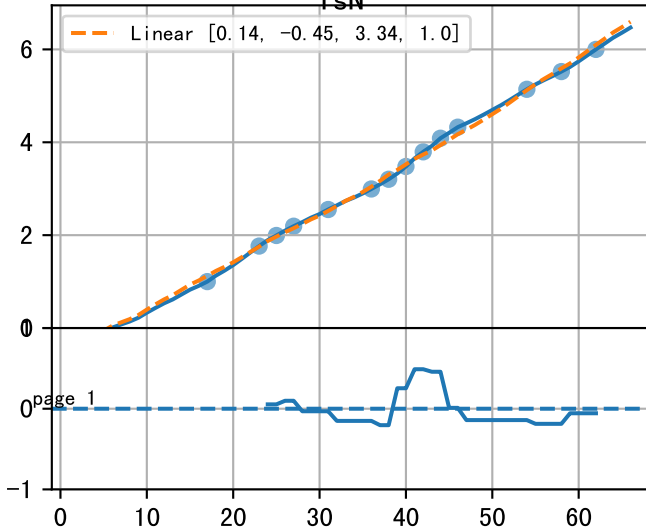
P6AE-045-12



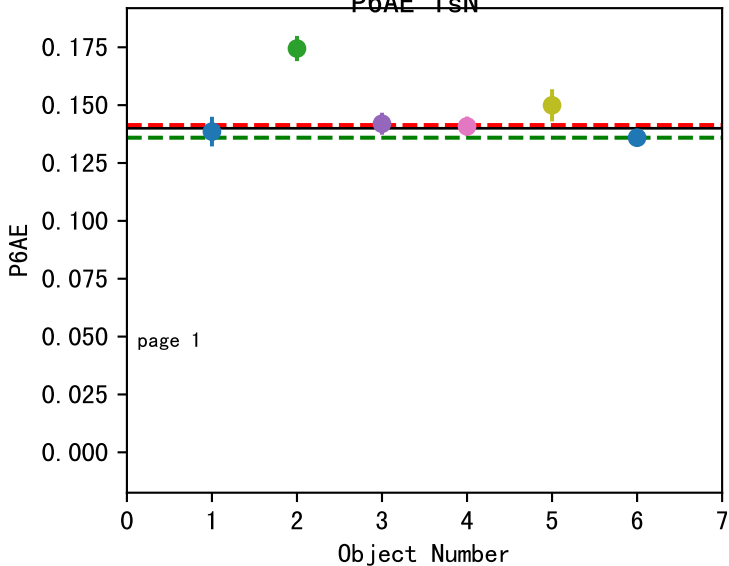
P6AEavg
 τ_{SN}

Linear [0.14, -0.45, 3.34, 1.0]

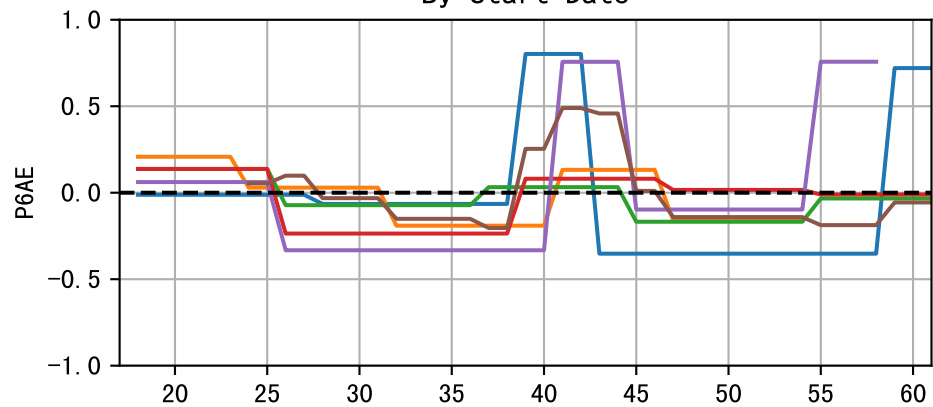
UF
 page 1



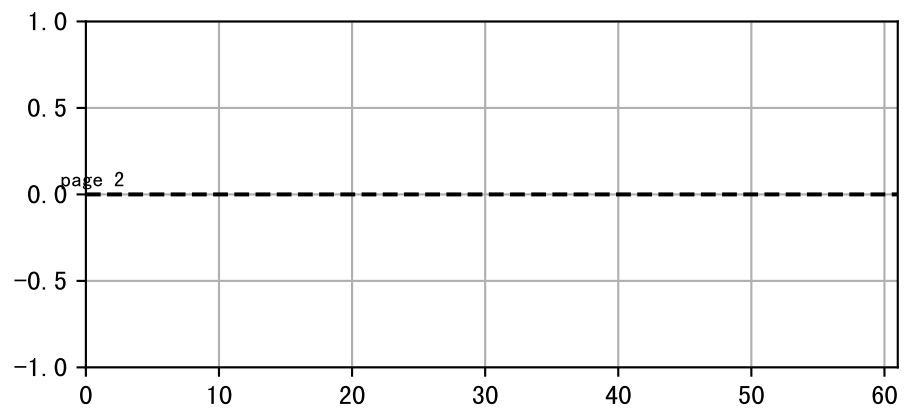
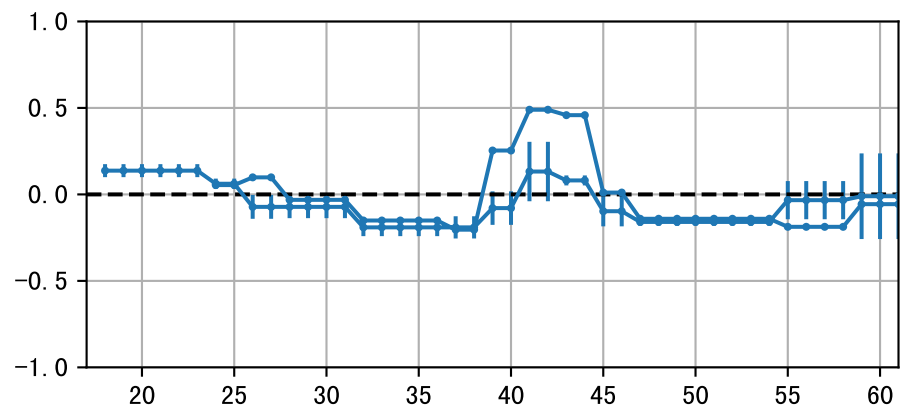
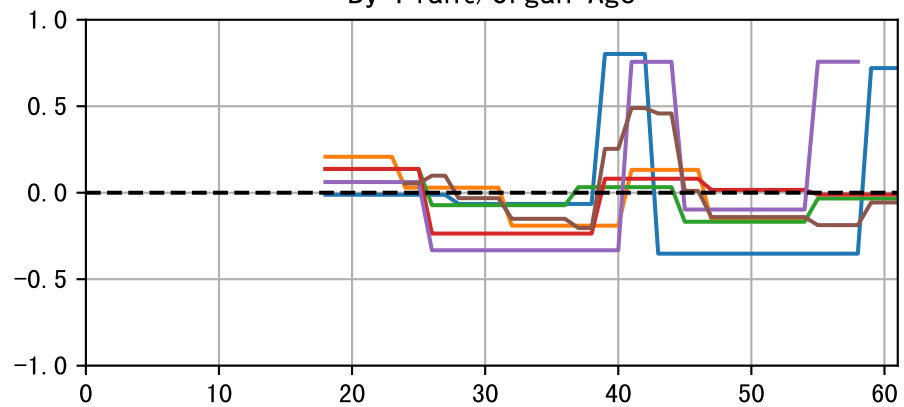
a (Def=0.14 Set=0.14)
 avg1=0.14 $\sim$ 3% avg2=0.14 $\sim$ 4%
 P6AE TSN



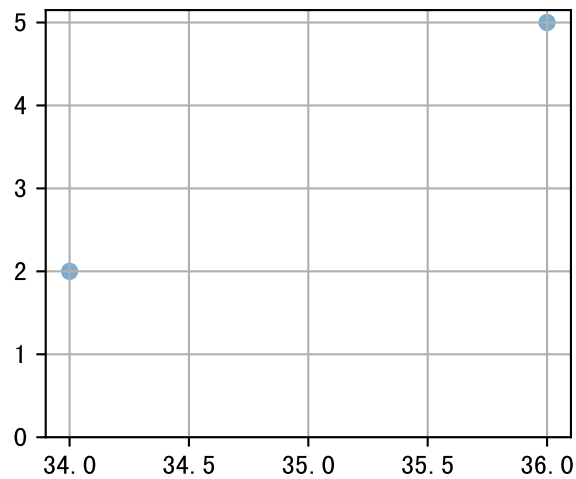
By Start Date



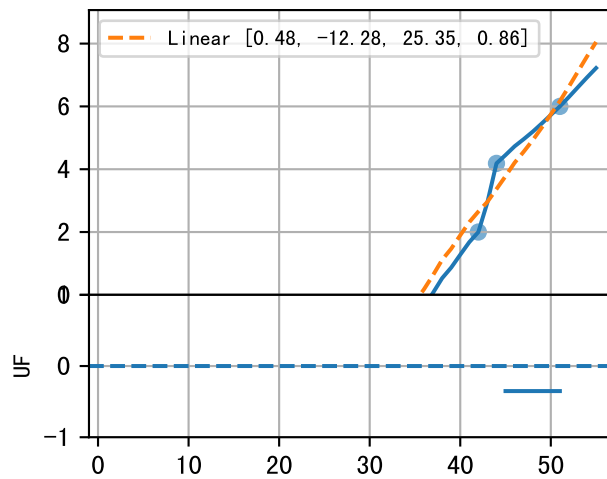
By Plant/Organ Age



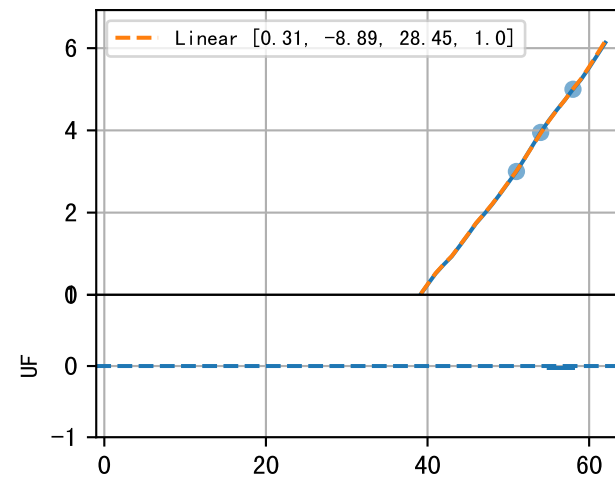
P6AE-007-10T2 (fit failed)



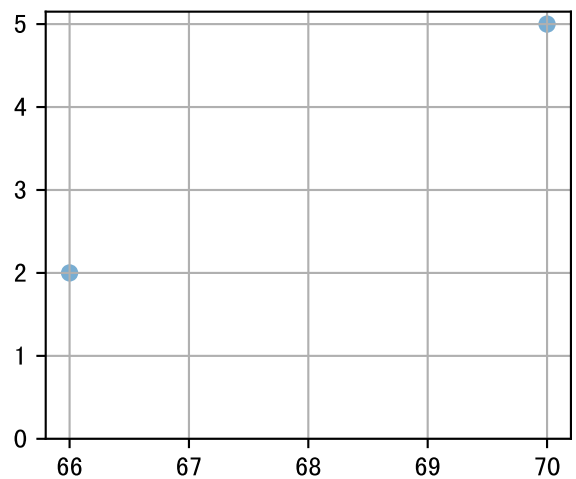
P6AE-007-10T3



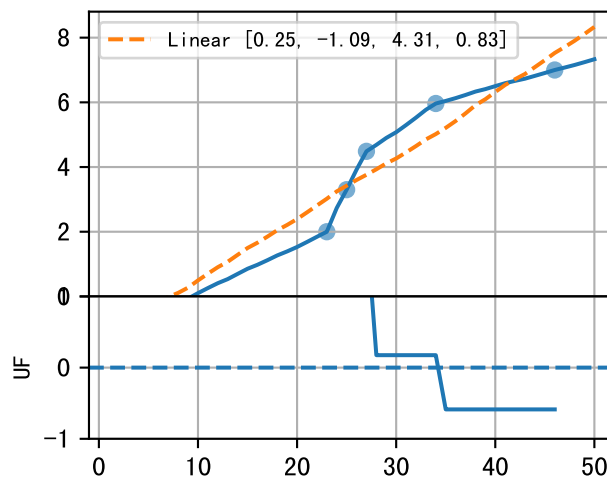
P6AE-007-10T4



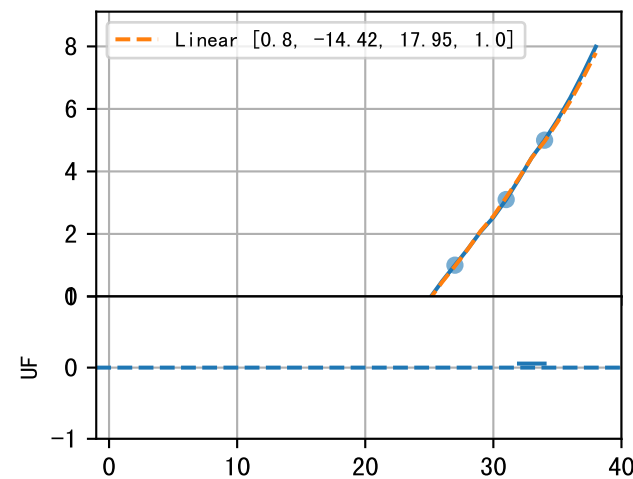
P6AE-007-10T5 (fit failed)



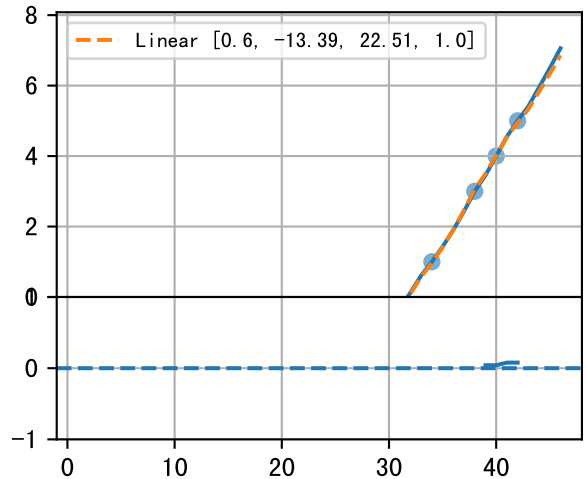
P6AE-014-17T1



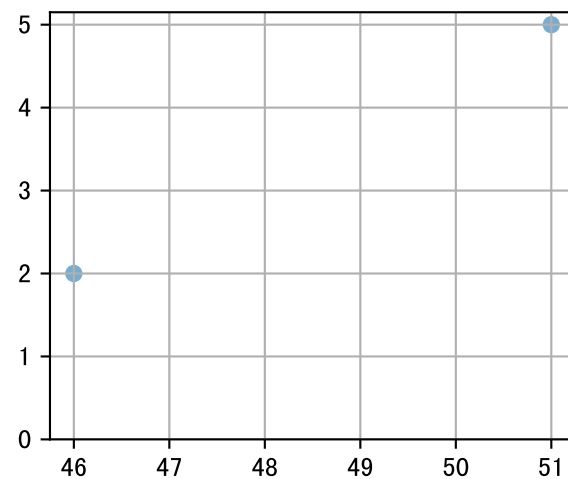
P6AE-014-17T2



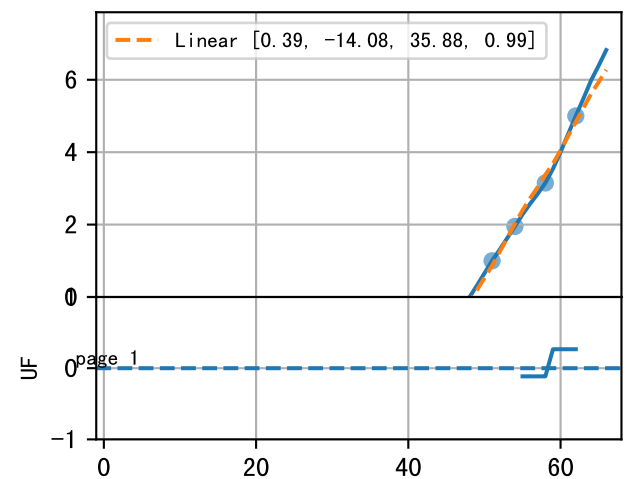
P6AE-014-17T3



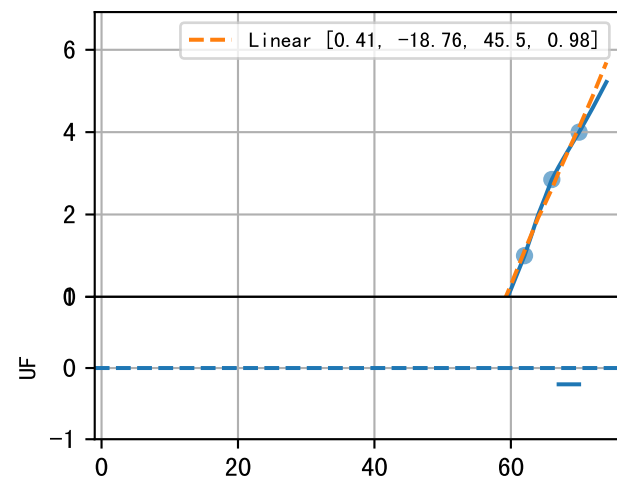
P6AE-014-17T4 (fit failed)



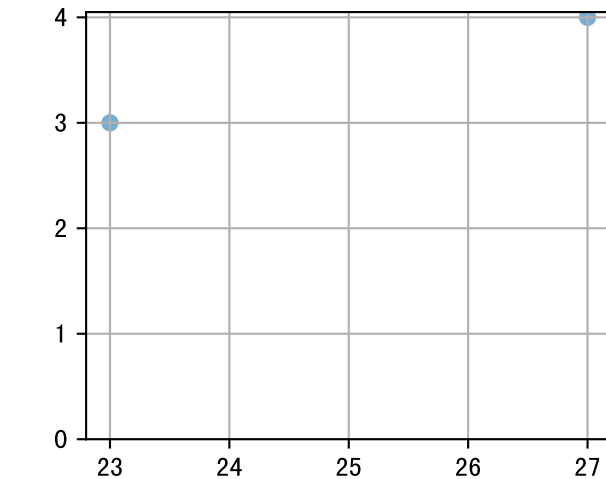
P6AE-014-17T5



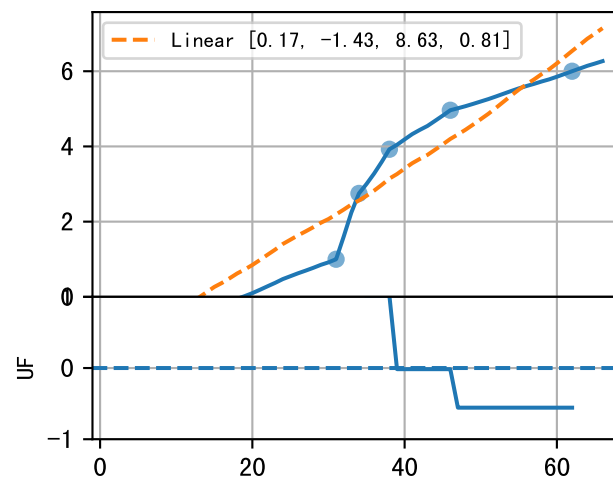
P6AE-014-17T6



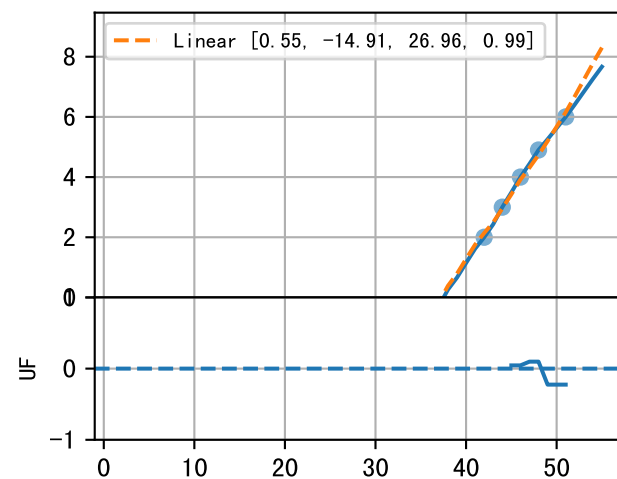
P6AE-026-25T1 (fit failed)



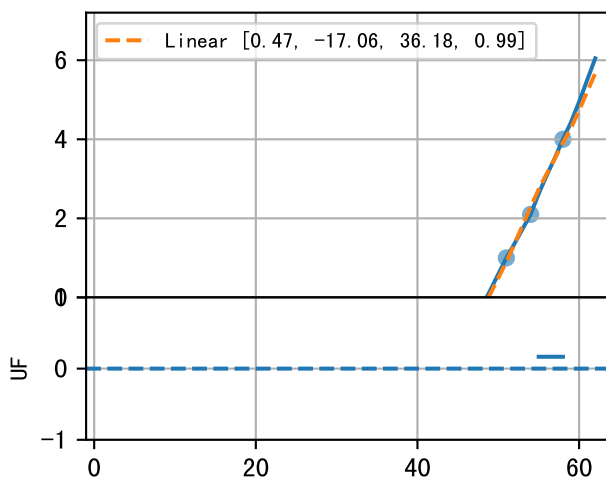
P6AE-026-25T2



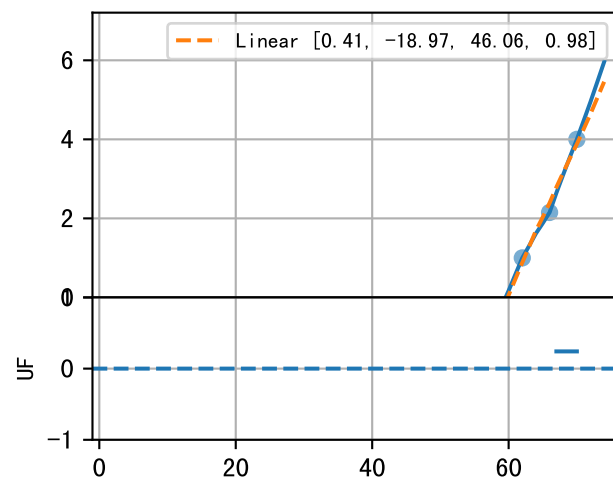
P6AE-026-25T3



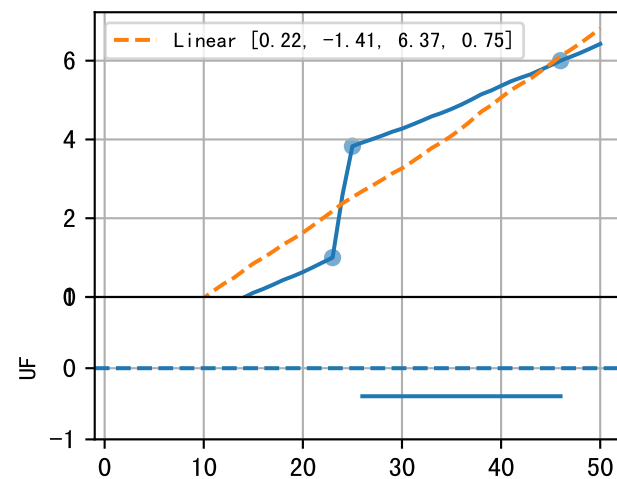
P6AE-026-25T4



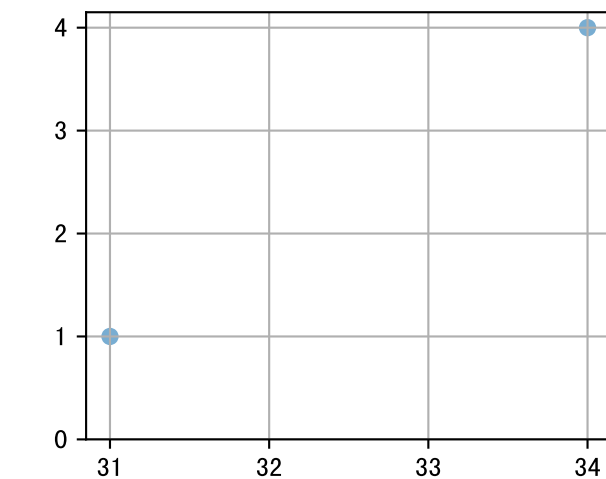
P6AE-026-25T5



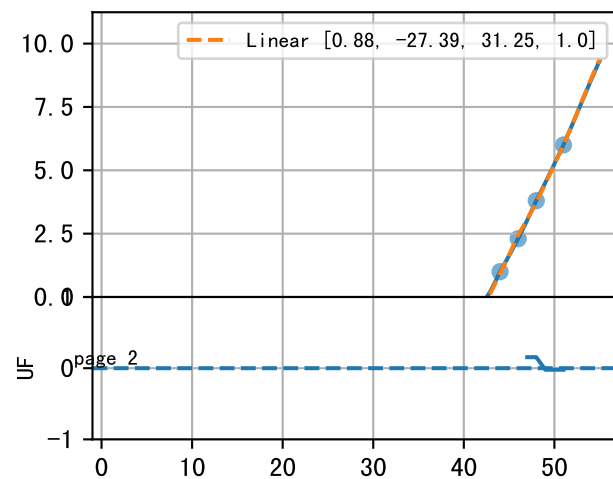
P6AE-033-4T1

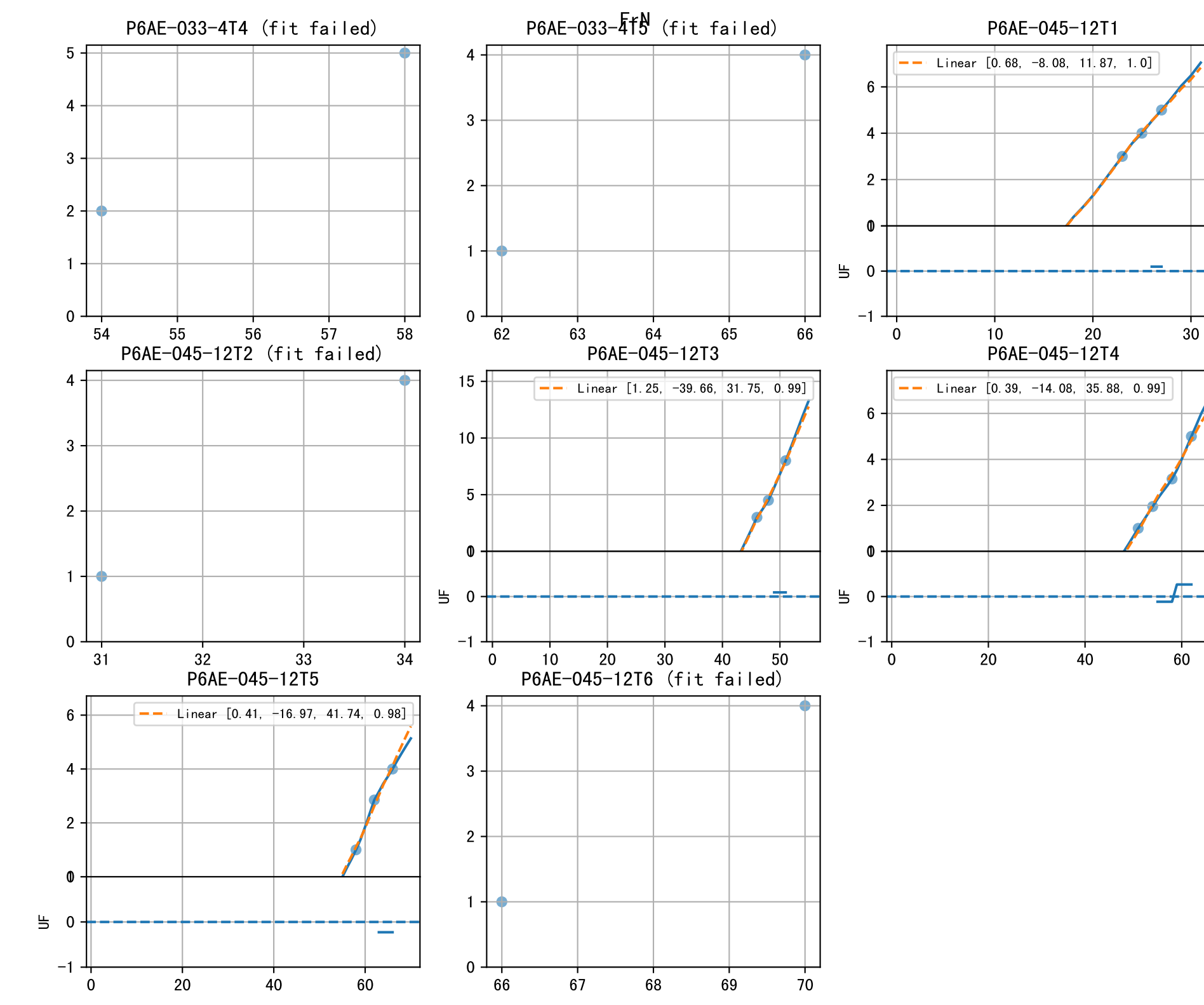


P6AE-033-4T2 (fit failed)

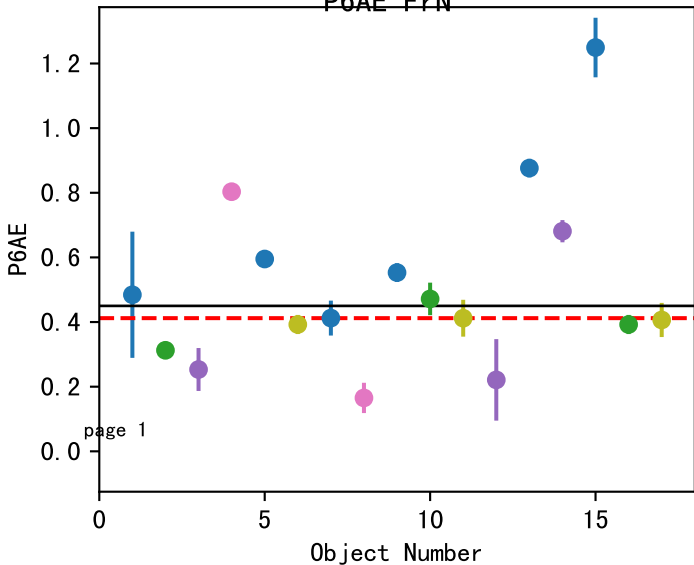


P6AE-033-4T3

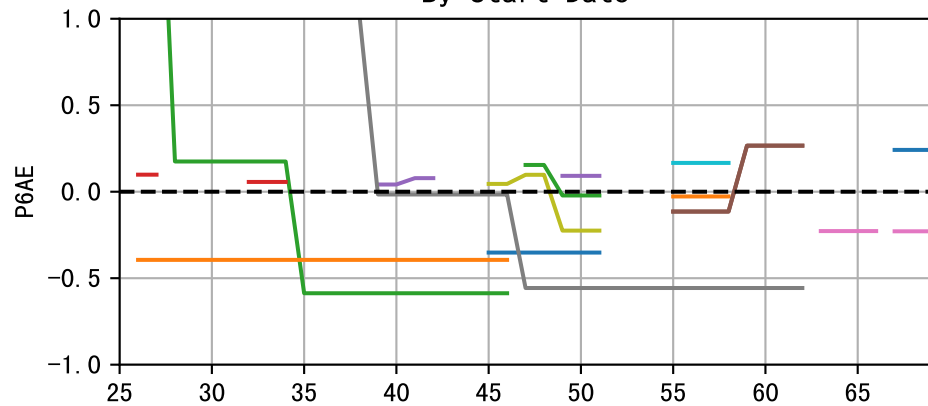




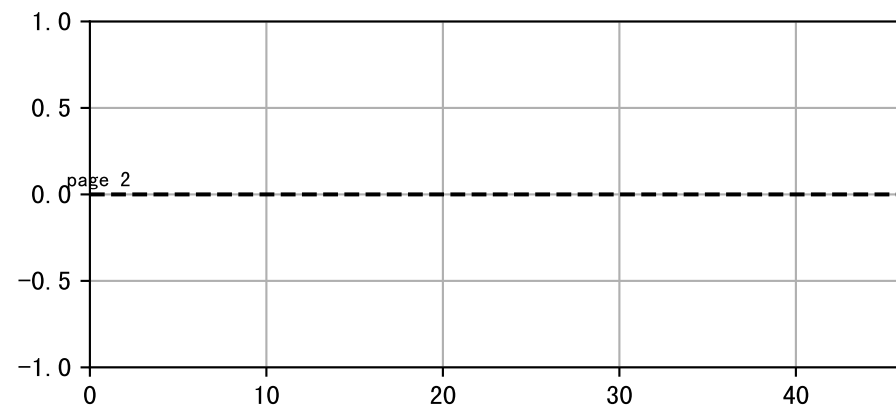
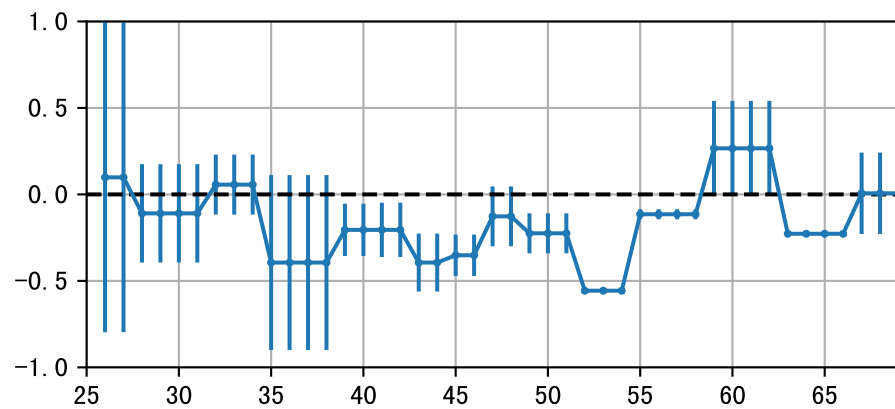
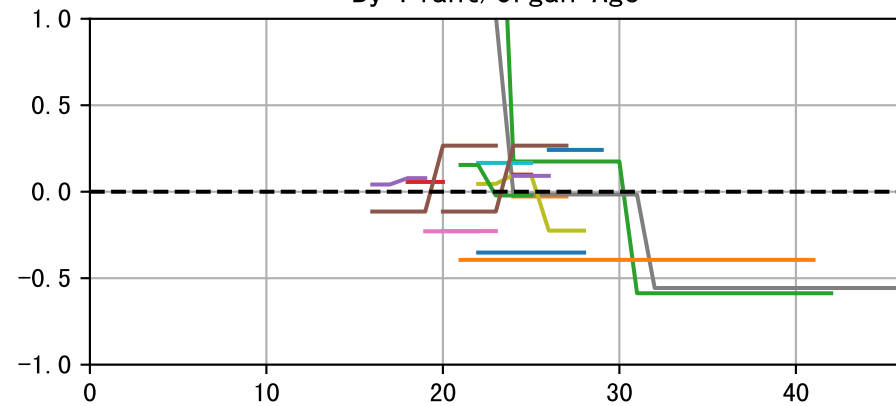
a (Def=0.45 Set=0.41)
avg1=0.41~48% avg2=na

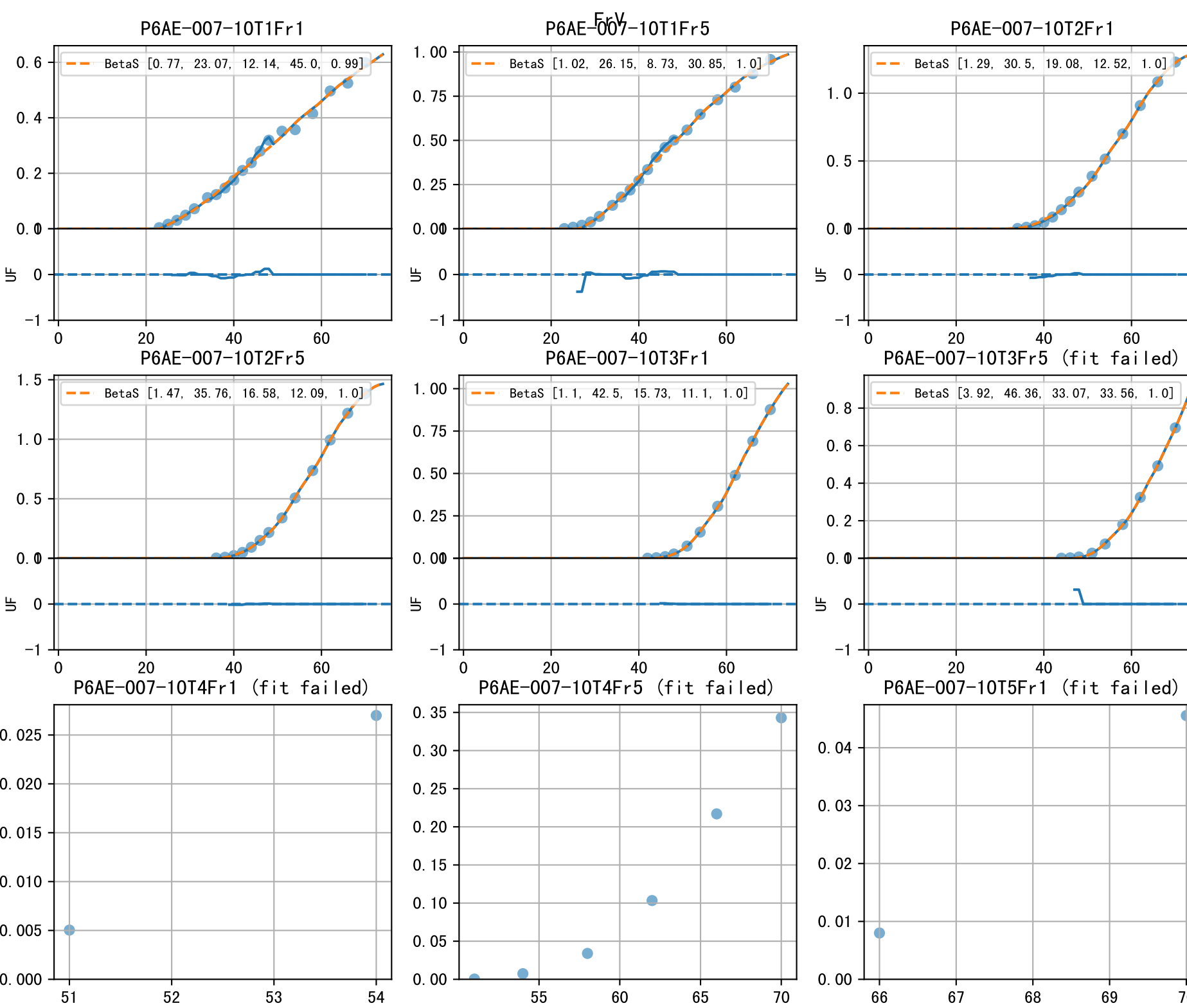


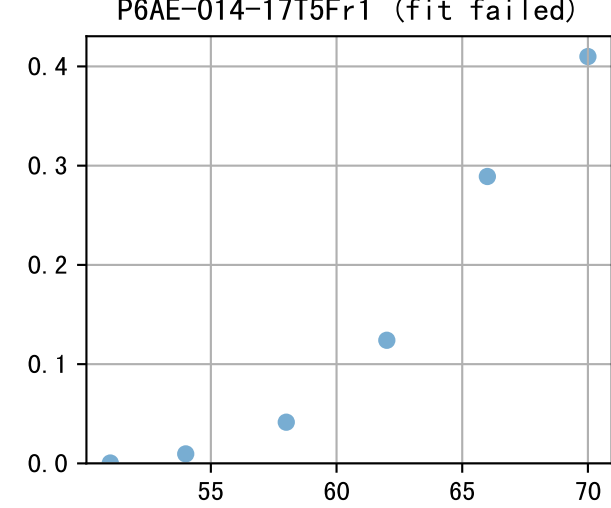
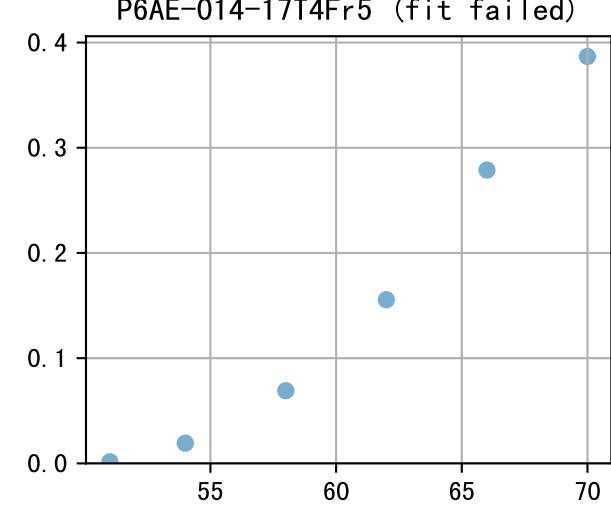
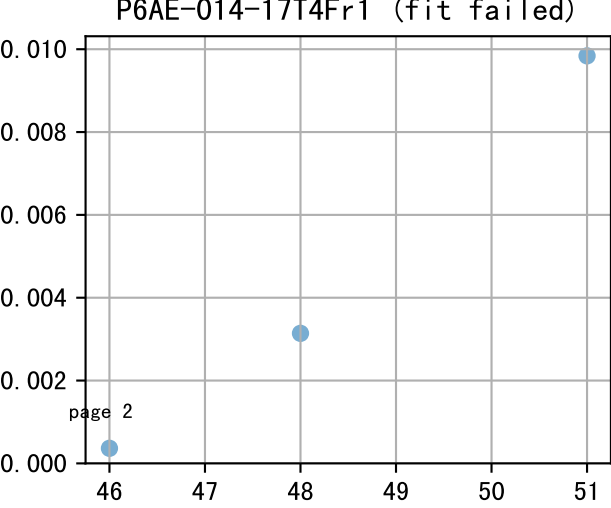
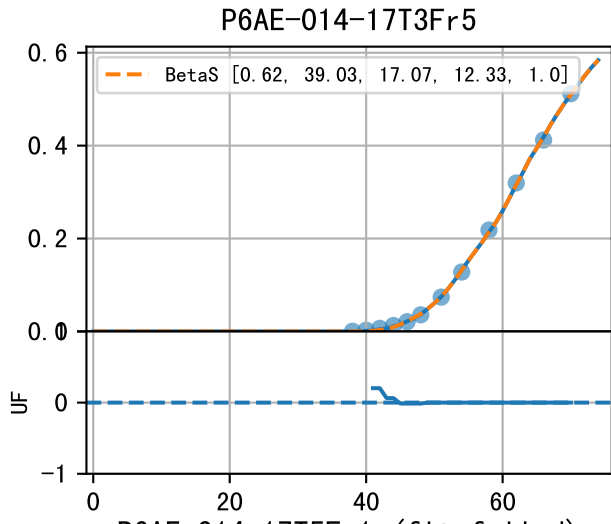
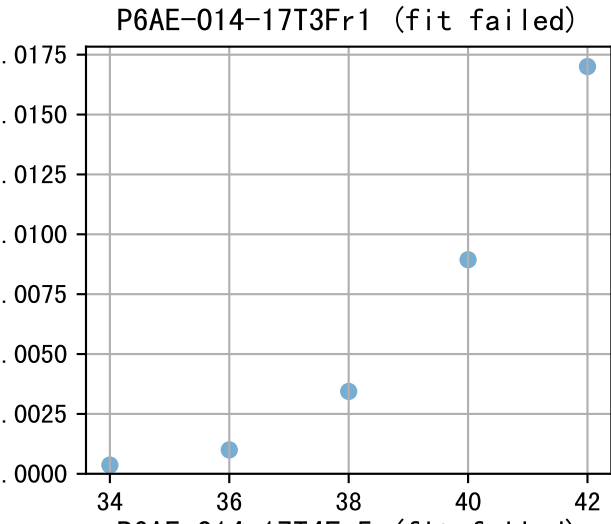
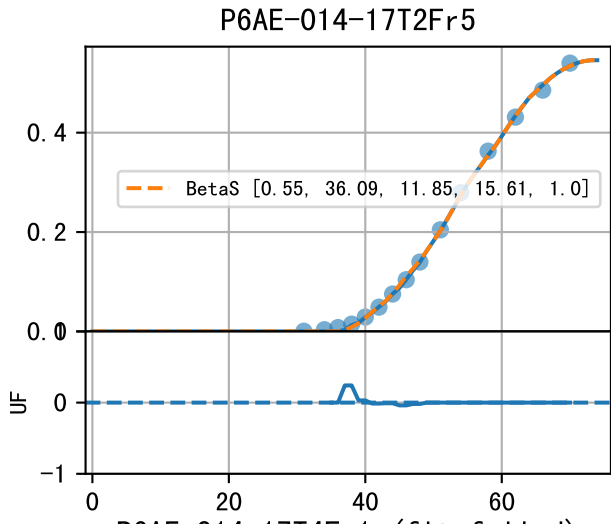
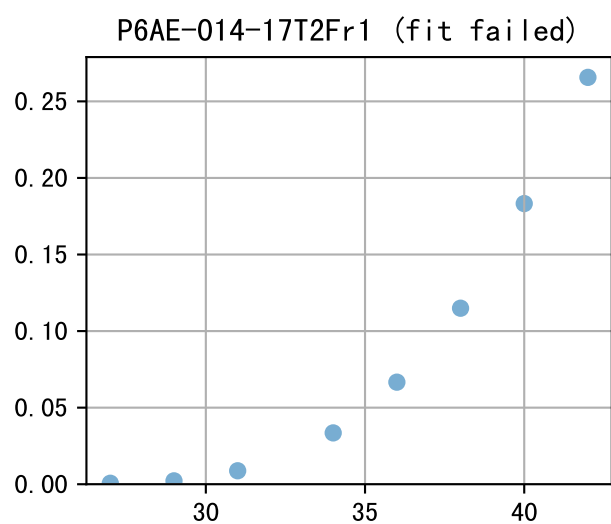
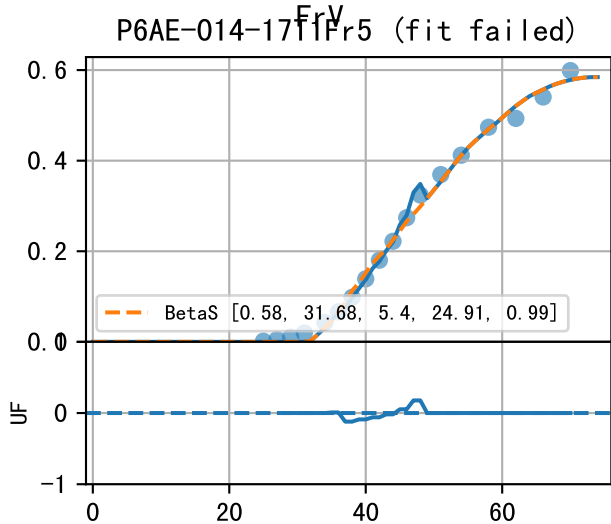
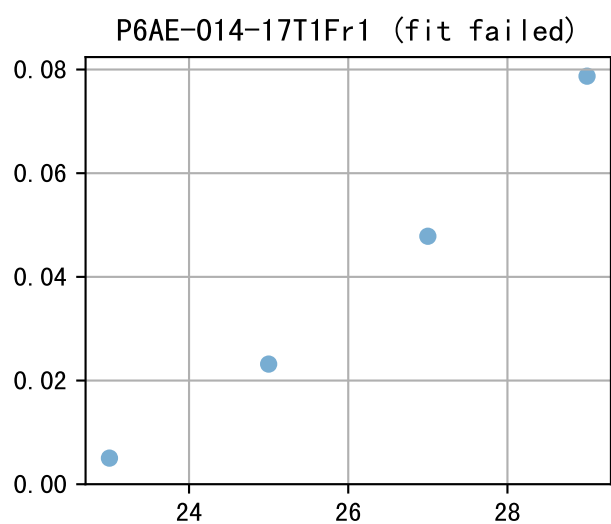
By Start Date



By Plant/Organ Age

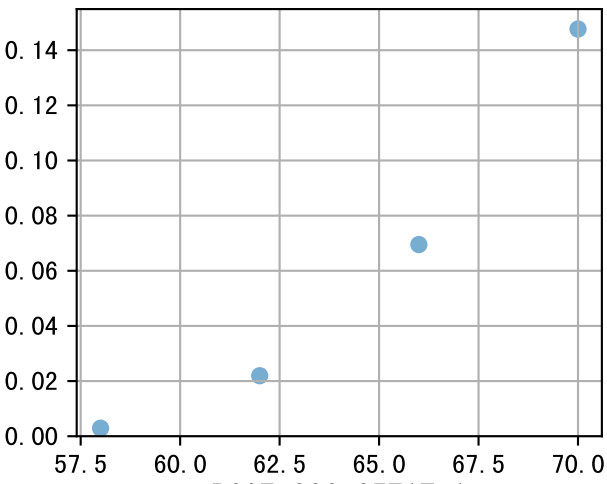




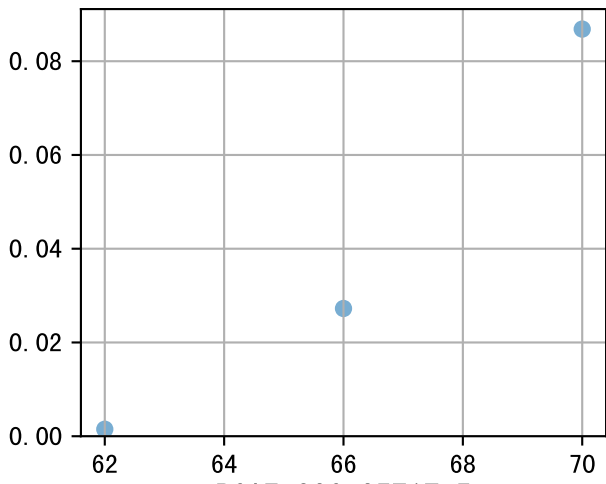


Fr_v

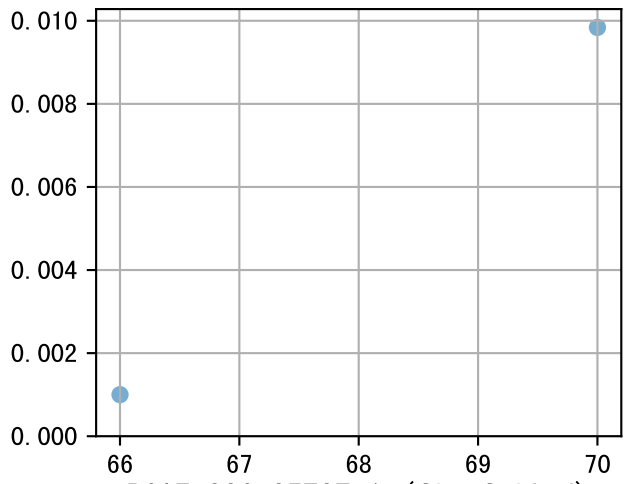
P6AE-014-17T5Fr5 (fit failed)



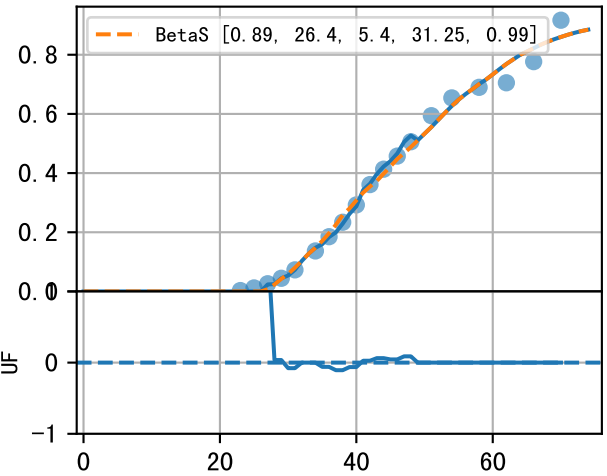
P6AE-014-17T6Fr1 (fit failed)



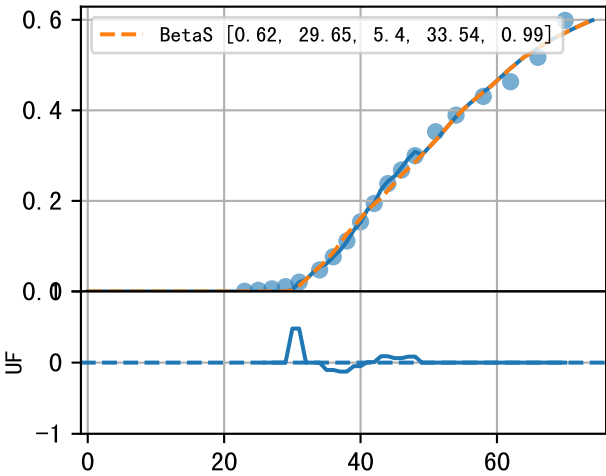
P6AE-014-17T6Fr5 (fit failed)



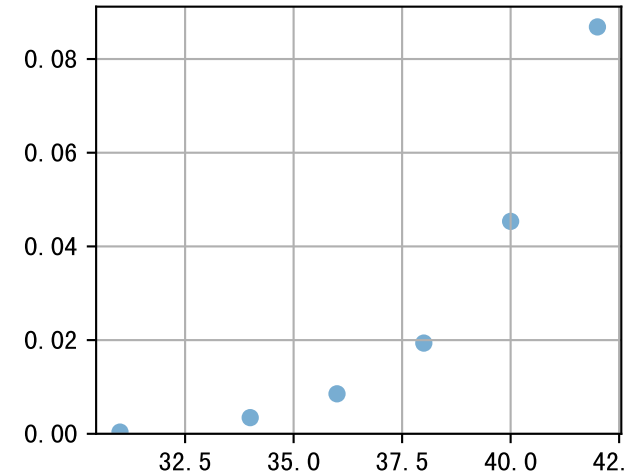
P6AE-026-25T1Fr1



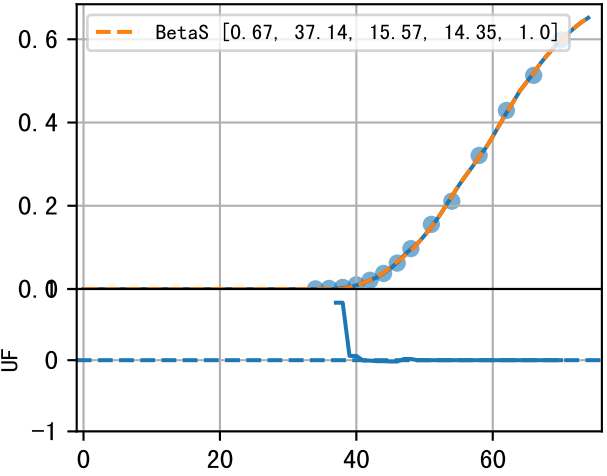
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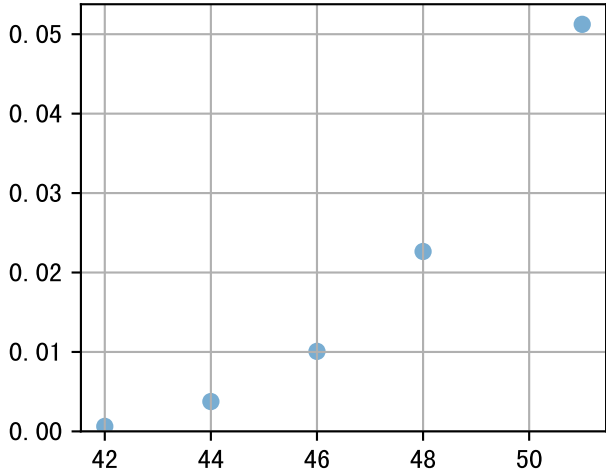
P6AE-026-25T2Fr1 (fit failed)



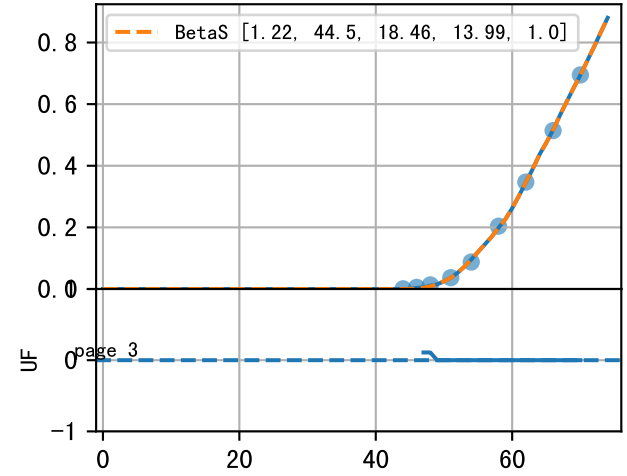
P6AE-026-25T2Fr5



P6AE-026-25T3Fr1 (fit failed)

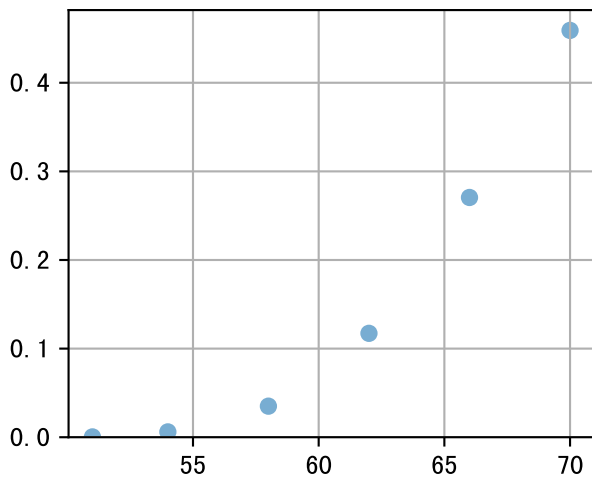


P6AE-026-25T3Fr5

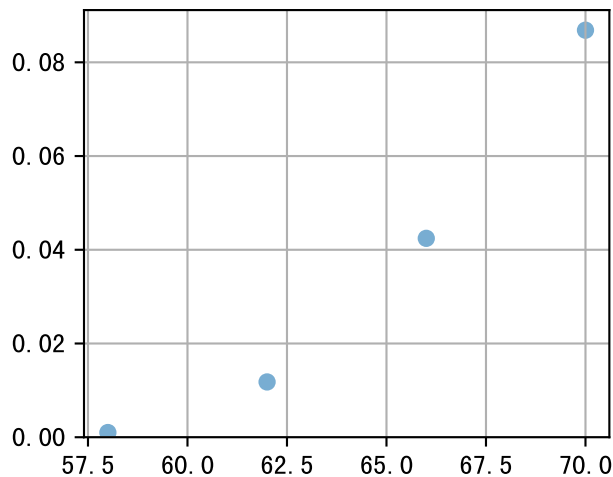


Fr^V

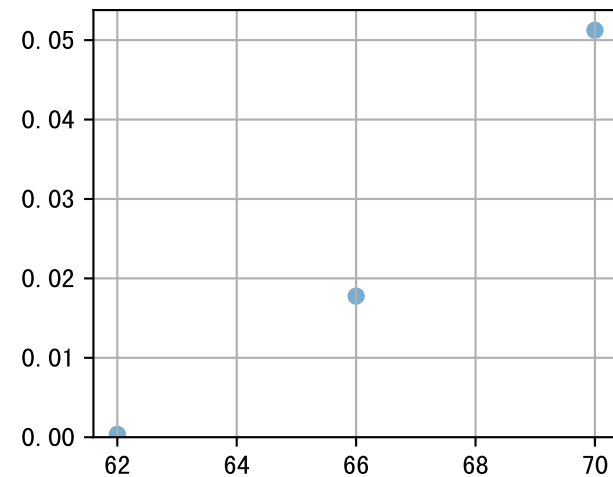
P6AE-026-25T4Fr1 (fit failed)



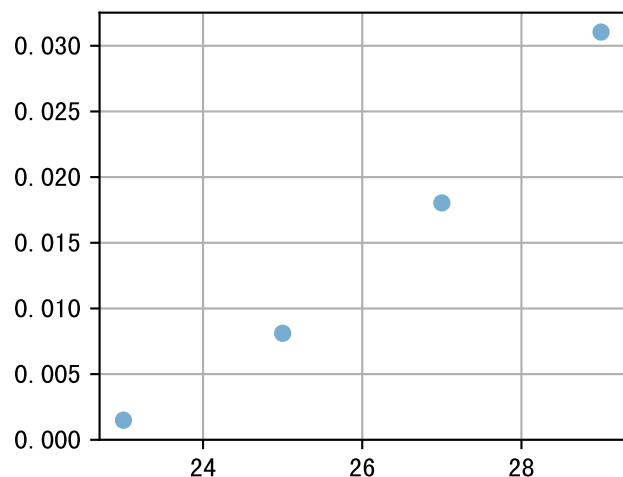
P6AE-026-25T4Fr5 (fit failed)



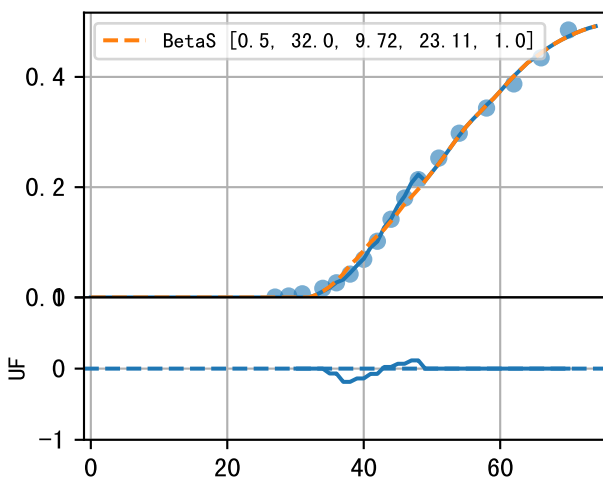
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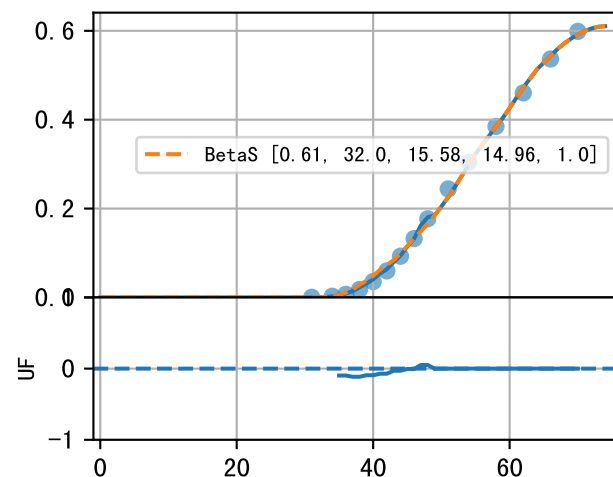
P6AE-033-4T1Fr1 (fit failed)



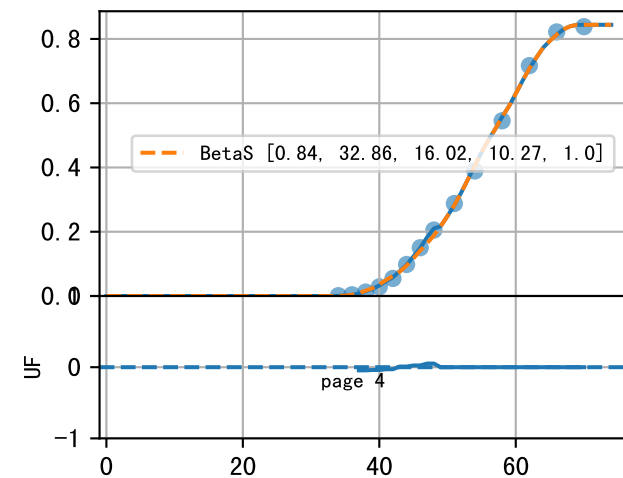
P6AE-033-4T1Fr5



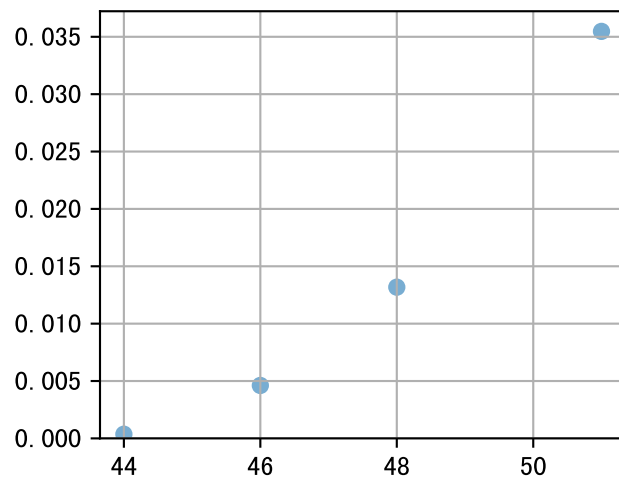
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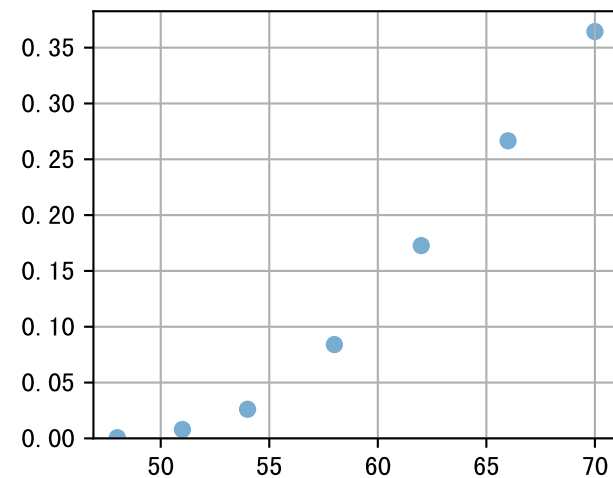
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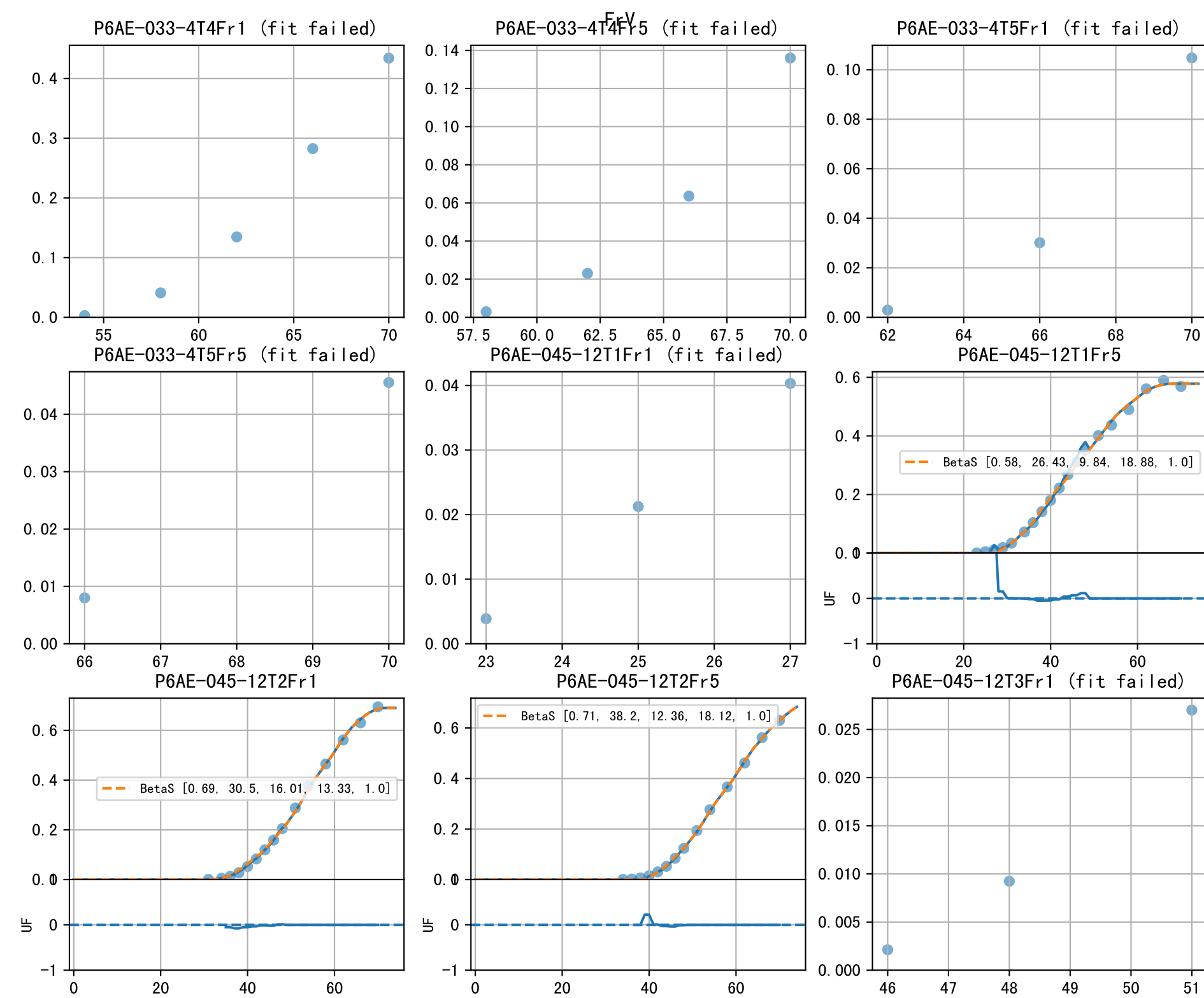


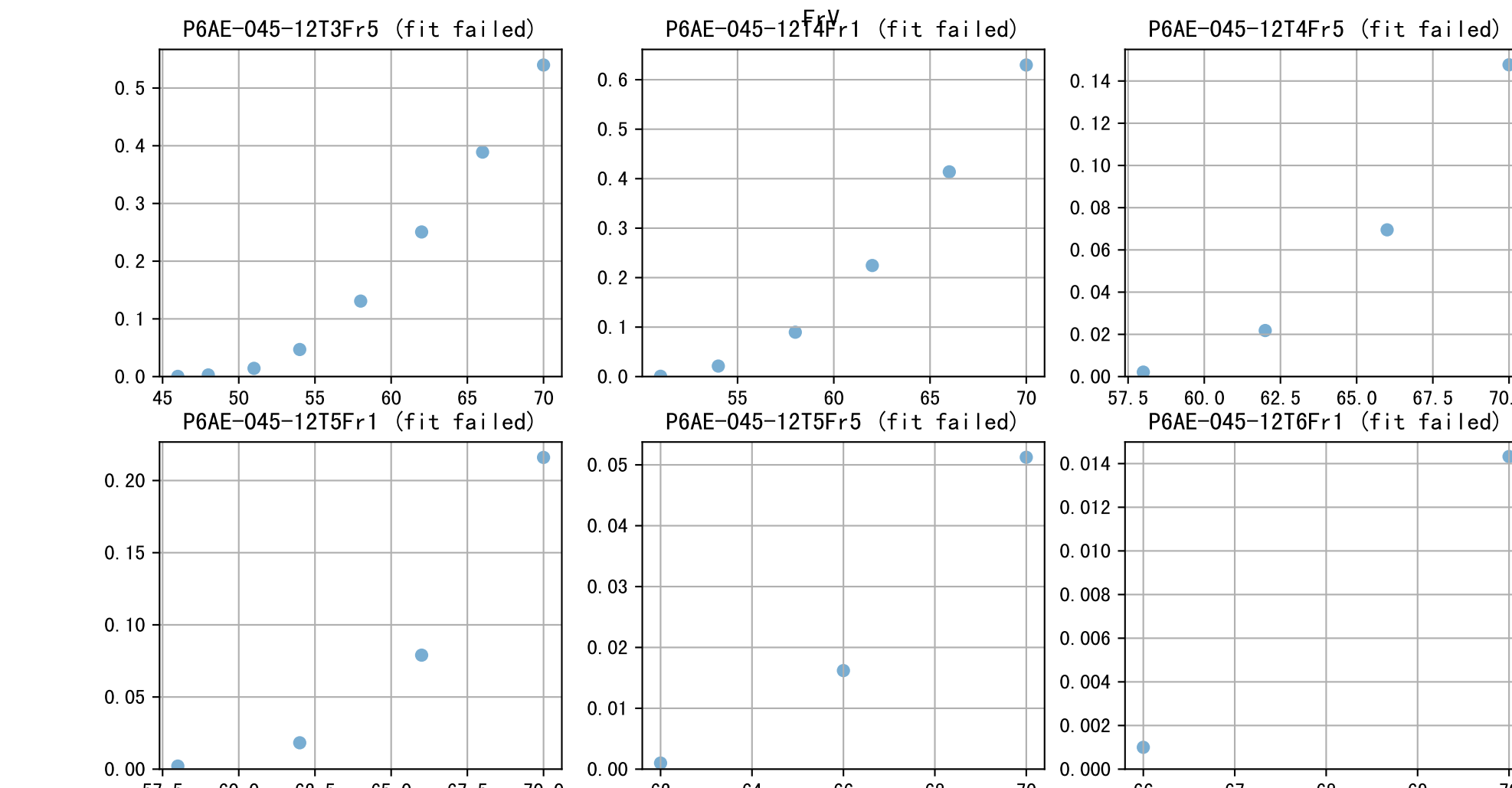
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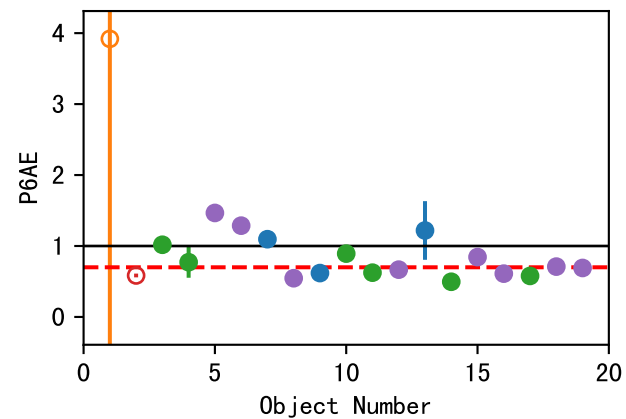
P6AE-033-4T3Fr5 (fit failed)



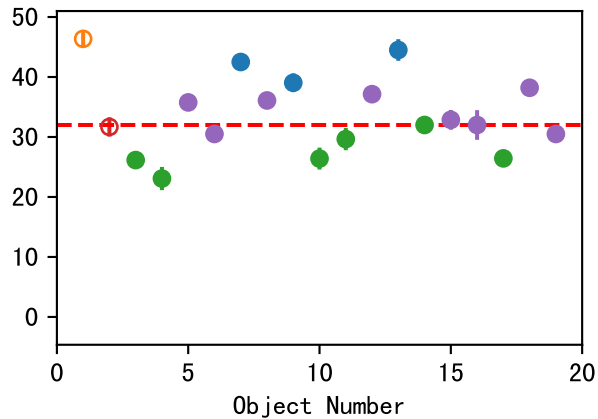




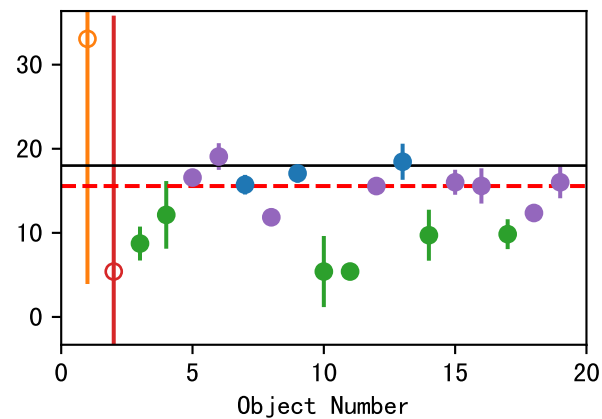
Ymax (Def=1 Set=0.7)
avg1=0.7~41% avg2=na



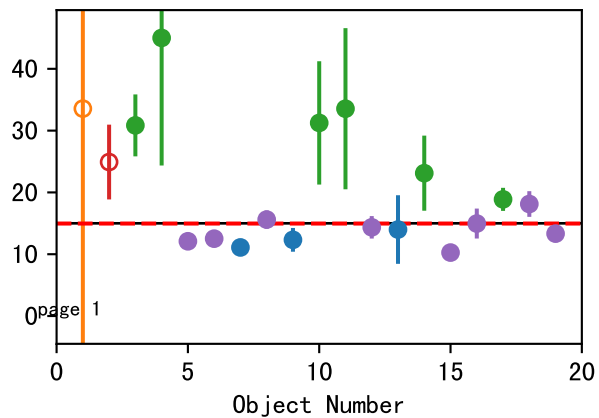
tb (Def=na Set=na)
avg1=na~20% avg2=na



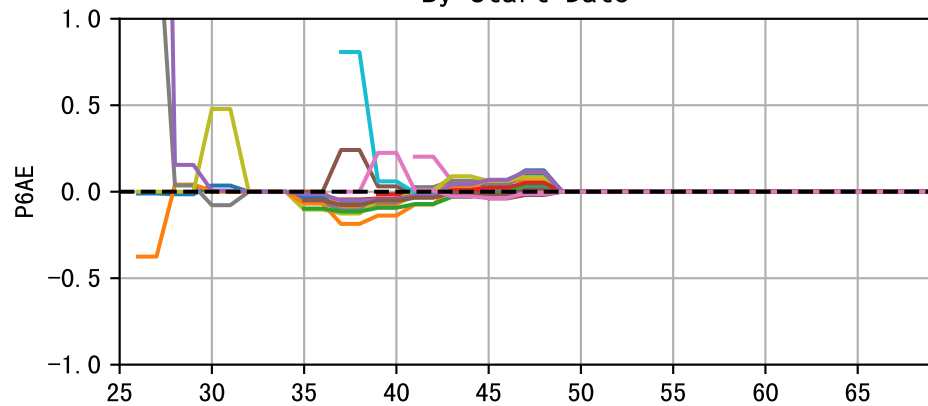
dm (Def=18 Set=15.57)
avg1=15.57~27% avg2=na



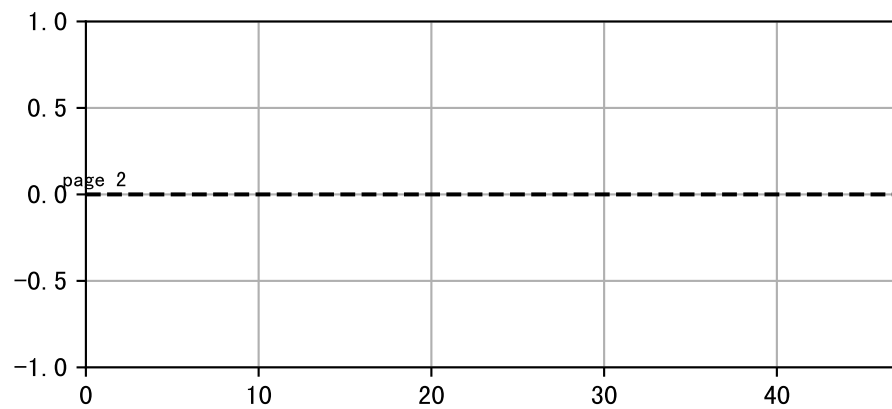
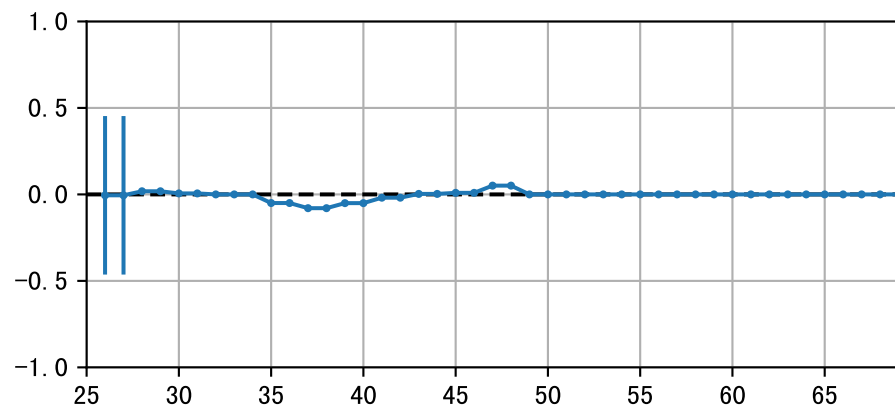
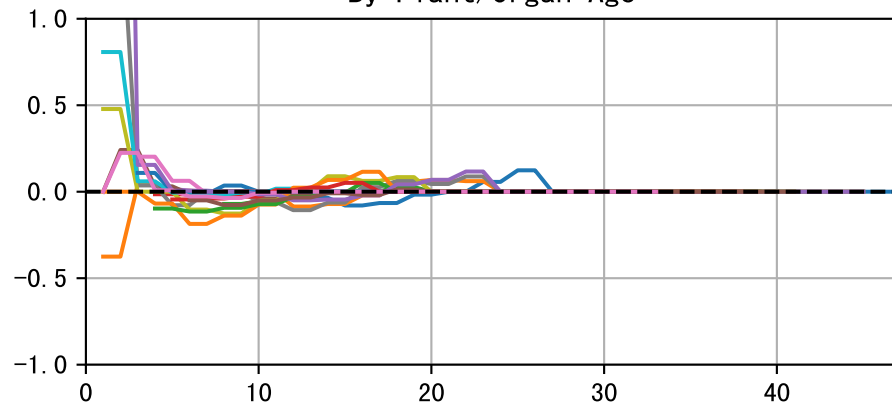
de (Def=15 Set=14.96)
avg1=14.96~51% avg2=na



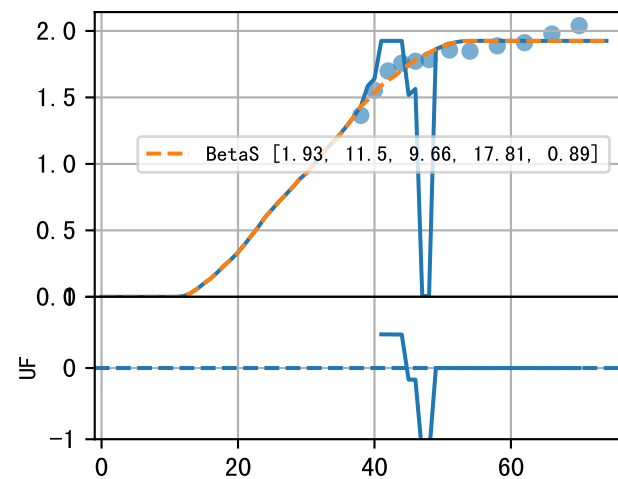
By Start Date



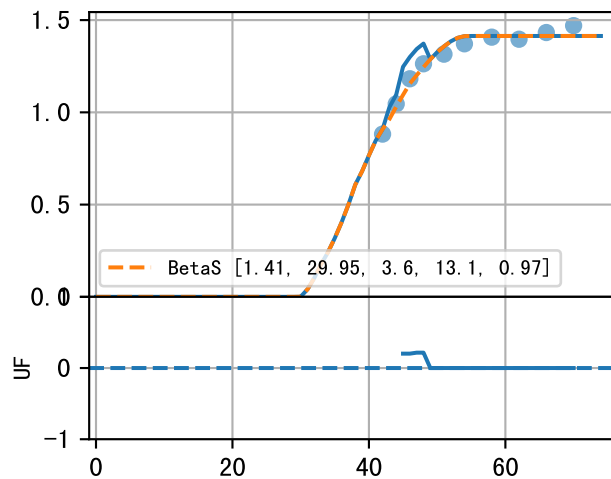
By Plant/Organ Age



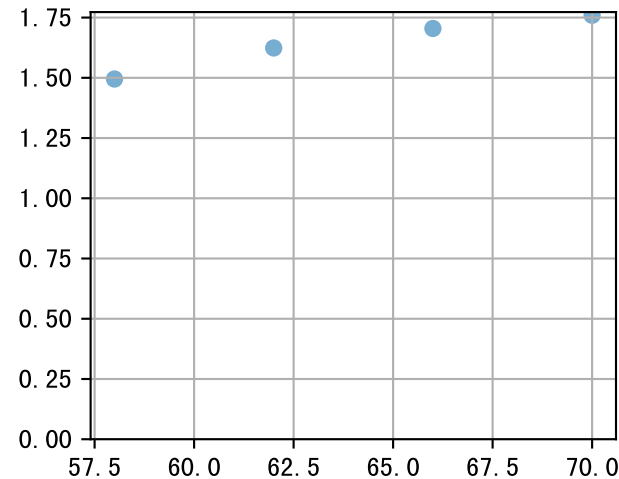
P6AE-007-10L13 (fit failed)



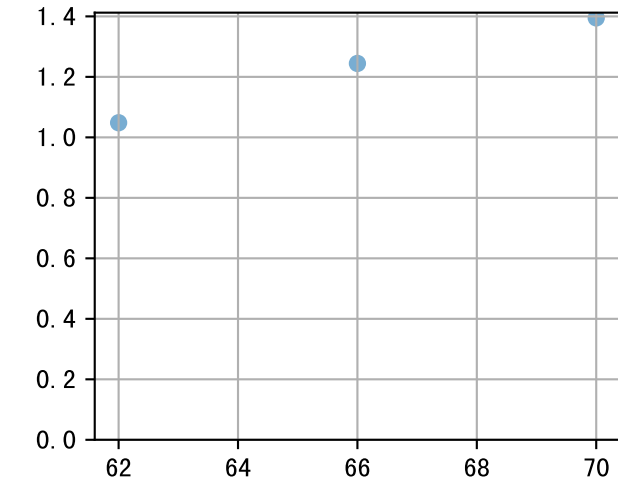
P6AE-007-10L16 (fit failed)



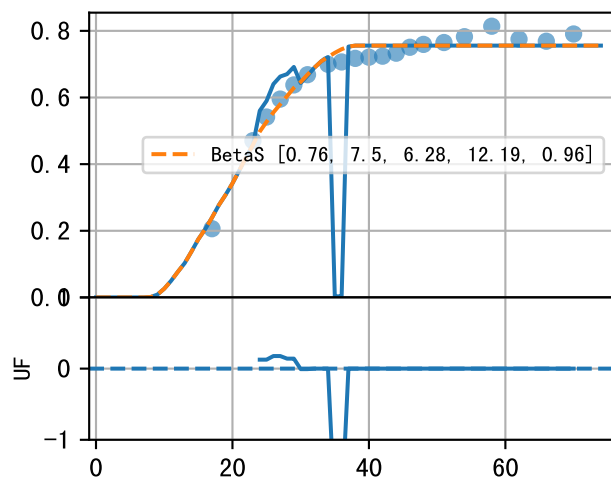
P6AE-007-10L19 (fit failed)



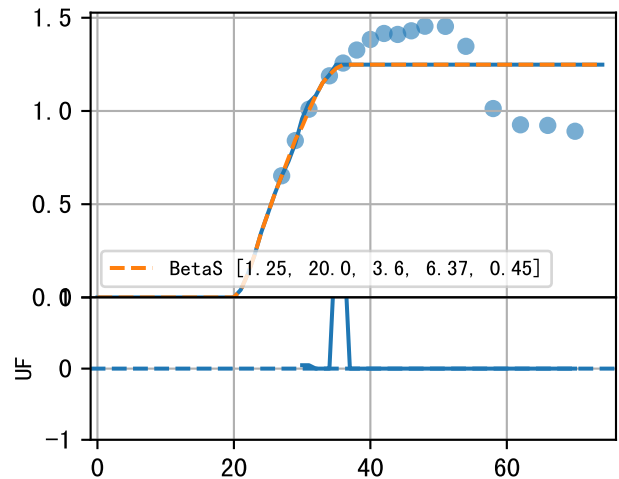
P6AE-007-10L22 (fit failed)



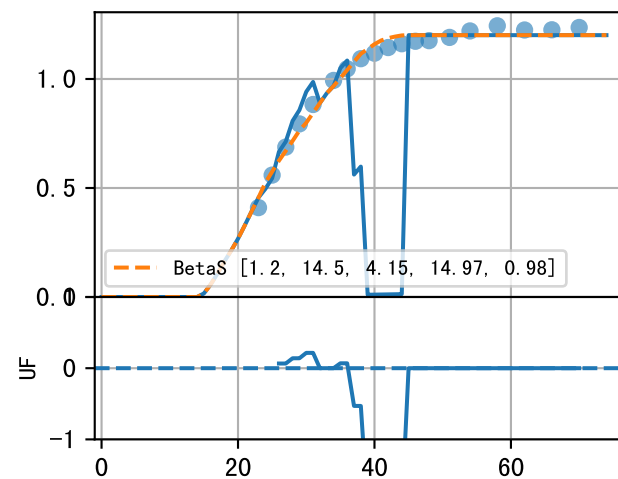
P6AE-007-10L6 (fit failed)



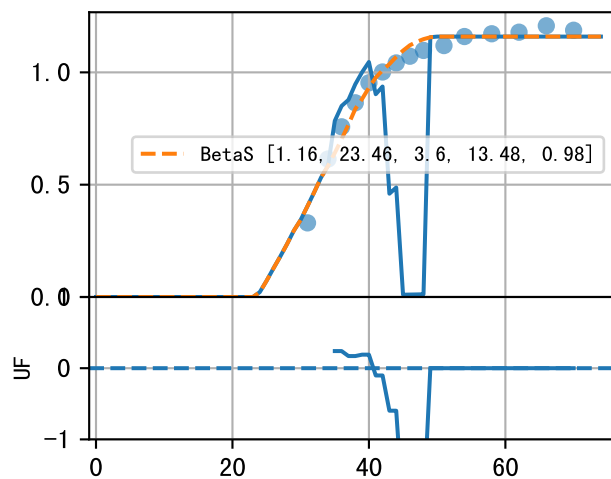
P6AE-007-10L9 (fit failed)



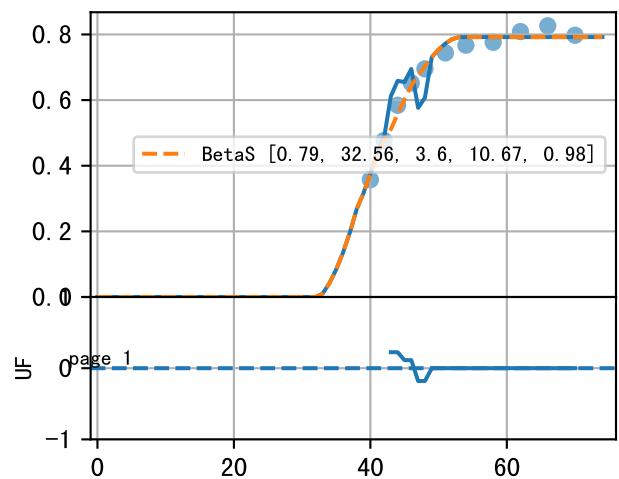
P6AE-014-17L11



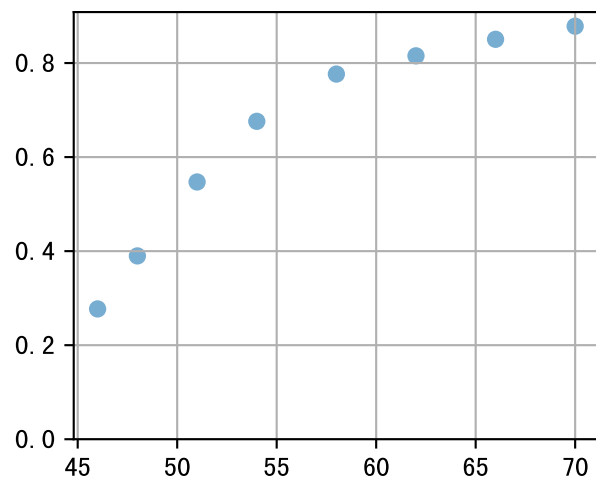
P6AE-014-17L14



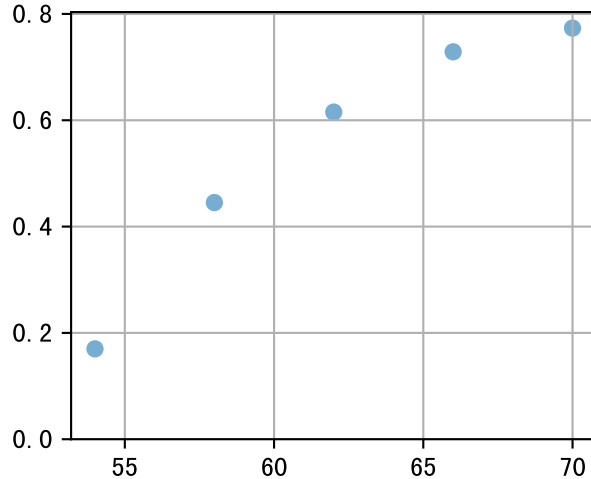
P6AE-014-17L17 (fit failed)



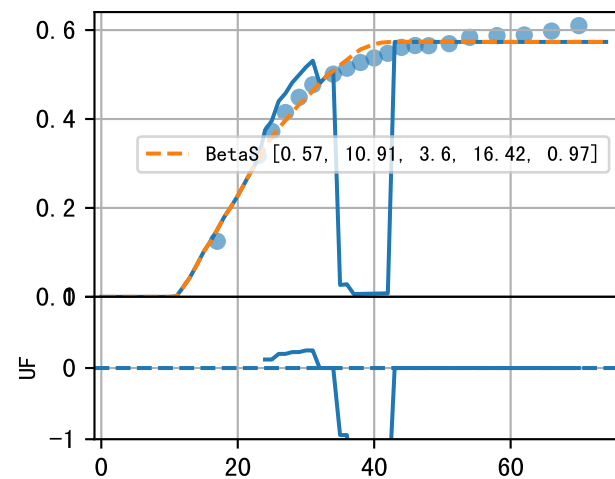
P6AE-014-17L19 (fit failed)



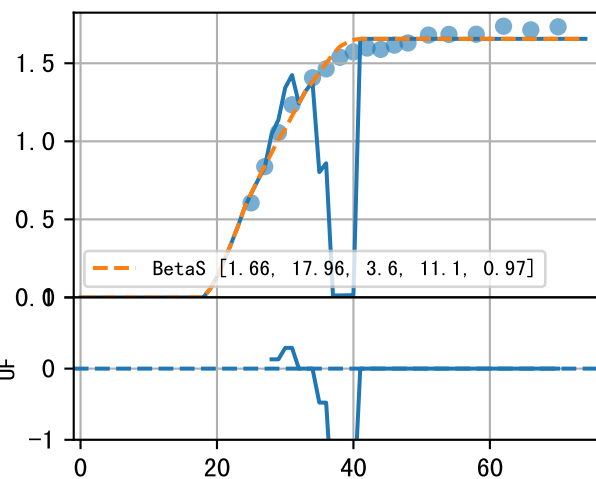
P6AE-014-17L22 (fit failed)



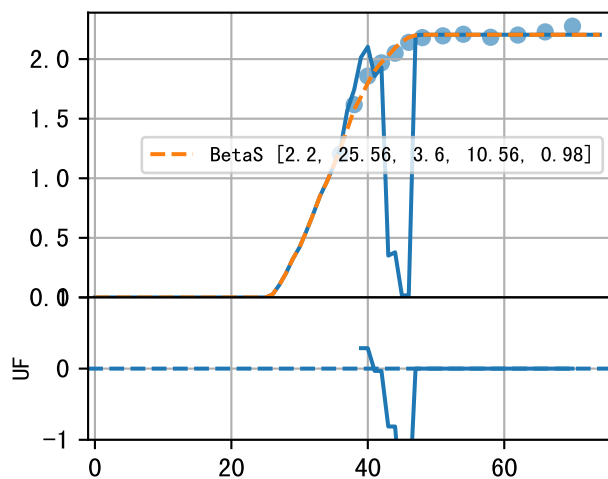
P6AE-014-17L8



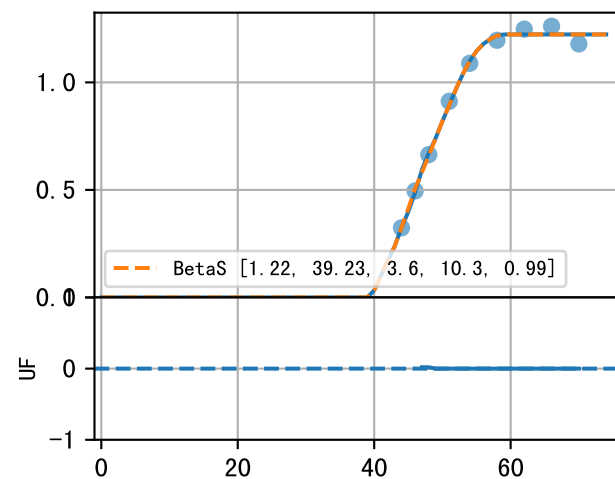
P6AE-026-25L10



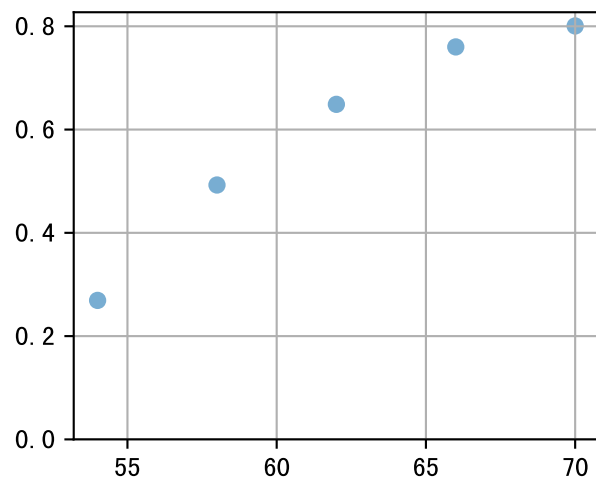
P6AE-026-25L13 (fit failed)



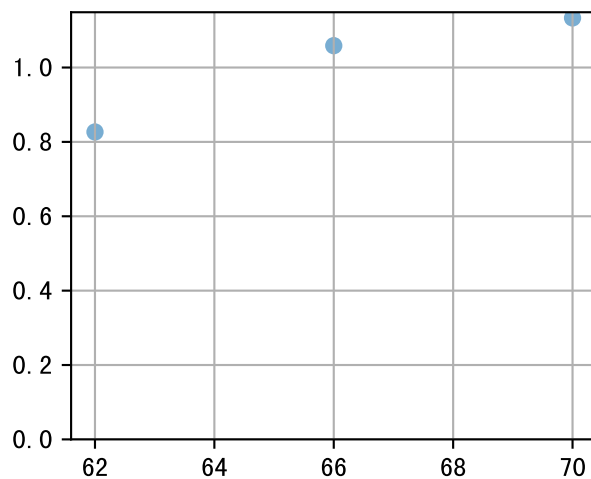
P6AE-026-25L16 (fit failed)



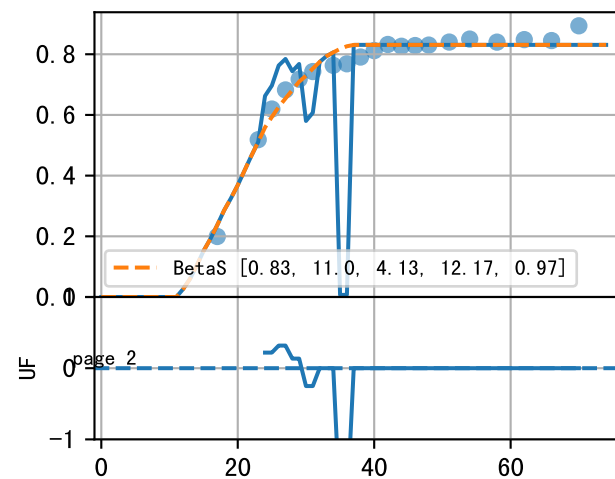
P6AE-026-25L19 (fit failed)



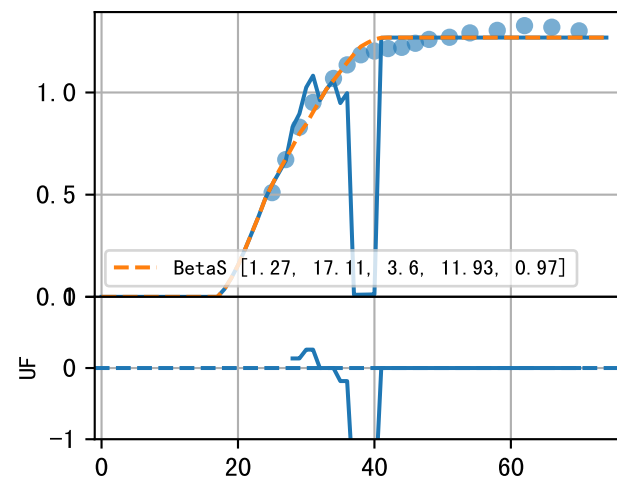
P6AE-026-25L22 (fit failed)



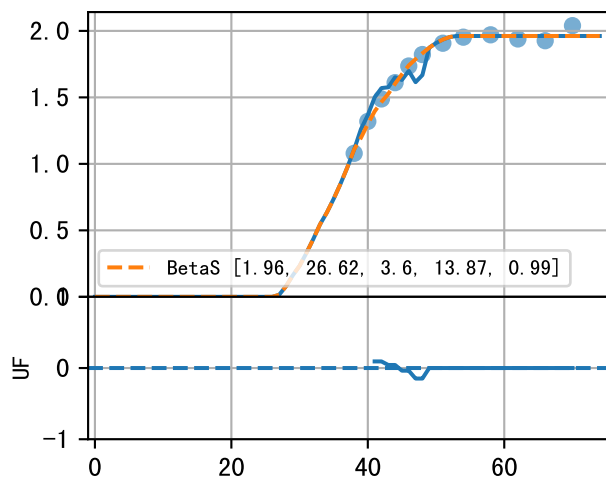
P6AE-026-25L7 (fit failed)



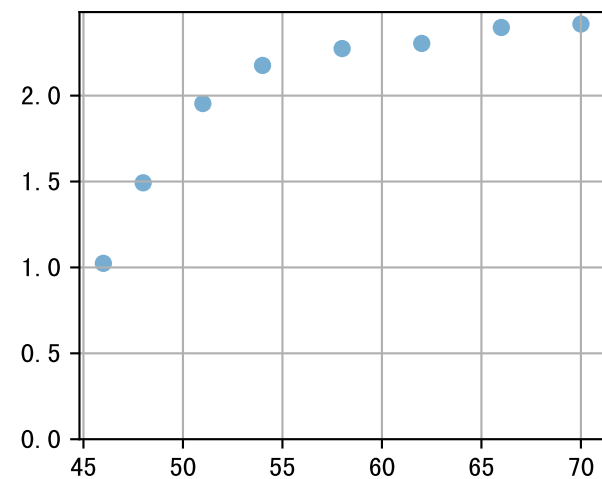
P6AE-033-4L10



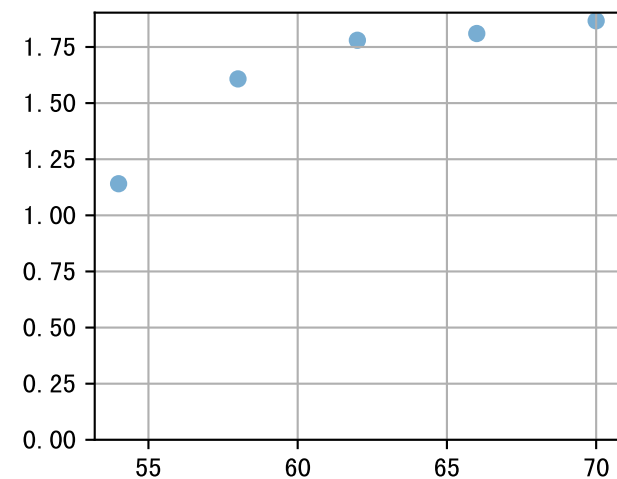
P6AE-033-4L15 (fit failed)



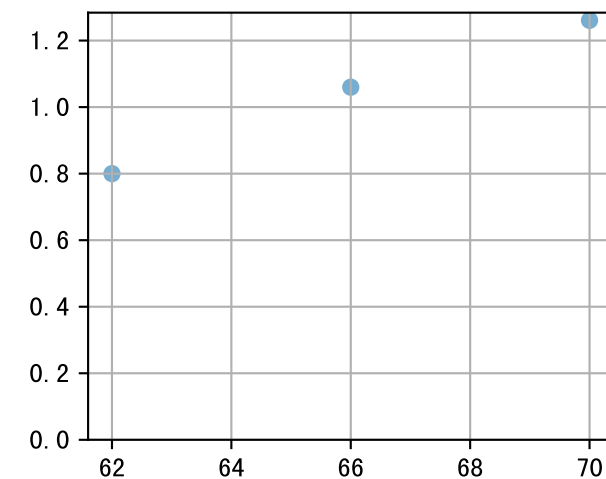
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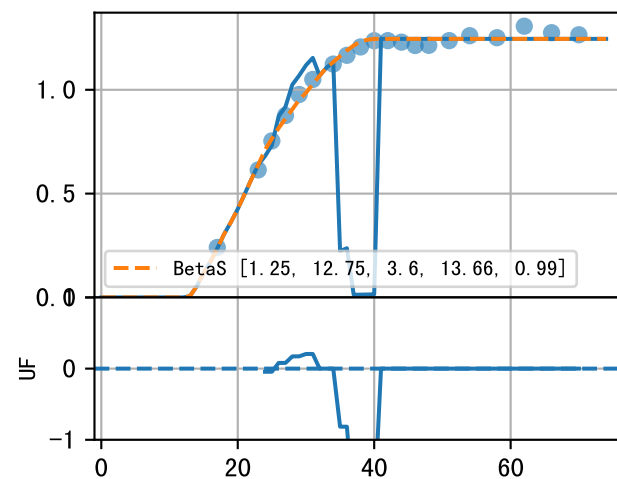
P6AE-033-4L21 (fit failed)



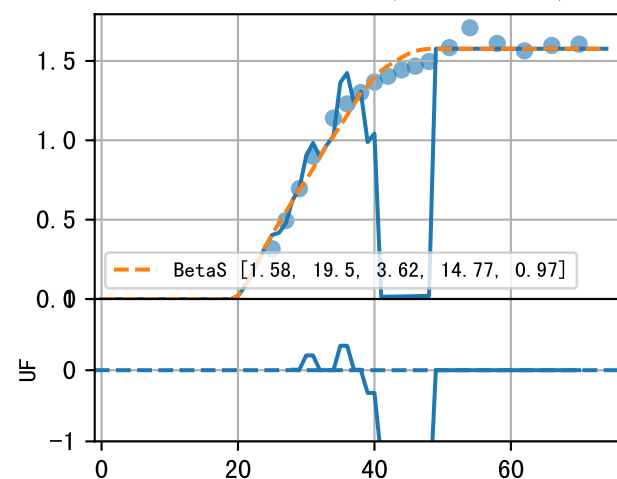
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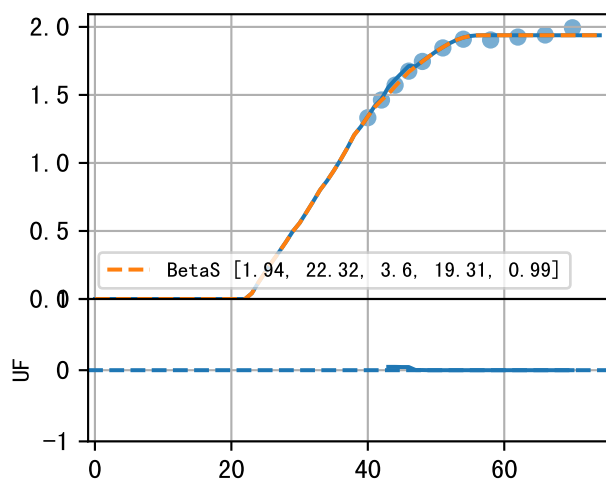
P6AE-033-4L8



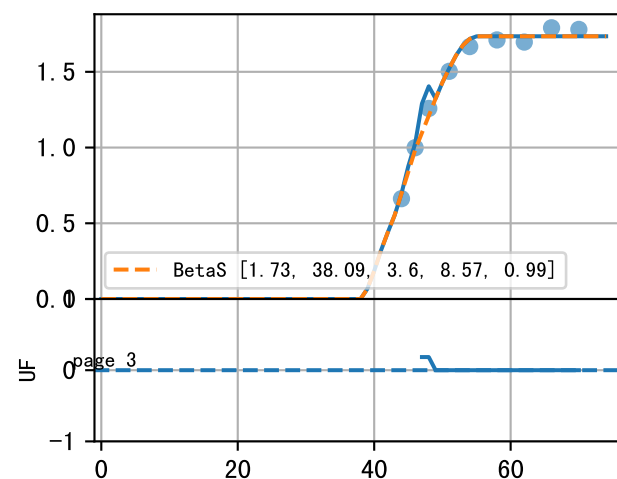
P6AE-045-12L10 (fit failed)



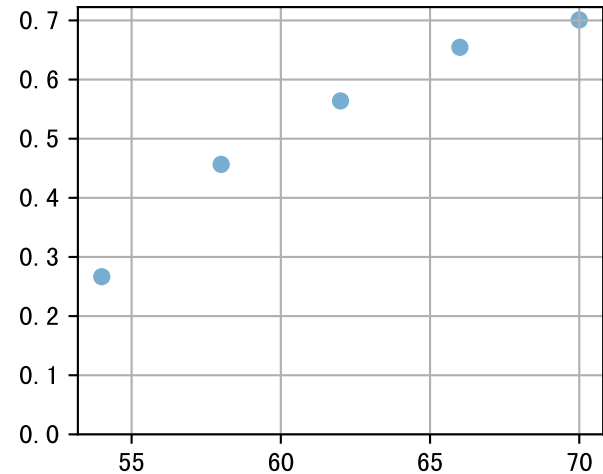
P6AE-045-12L14



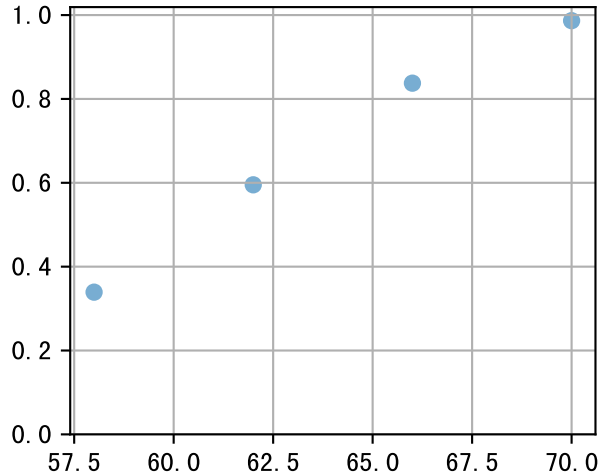
P6AE-045-12L17



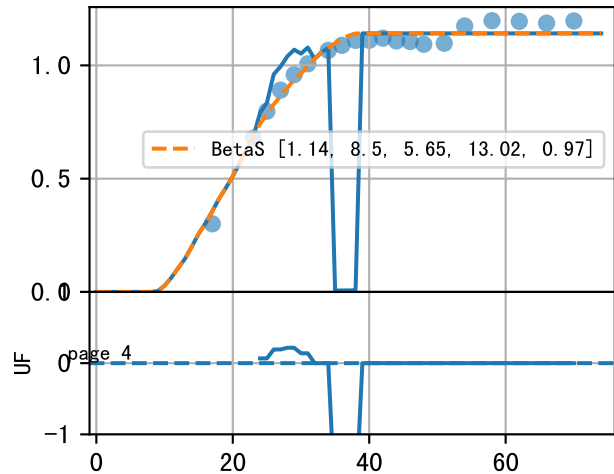
P6AE-045-12L20 (fit failed)

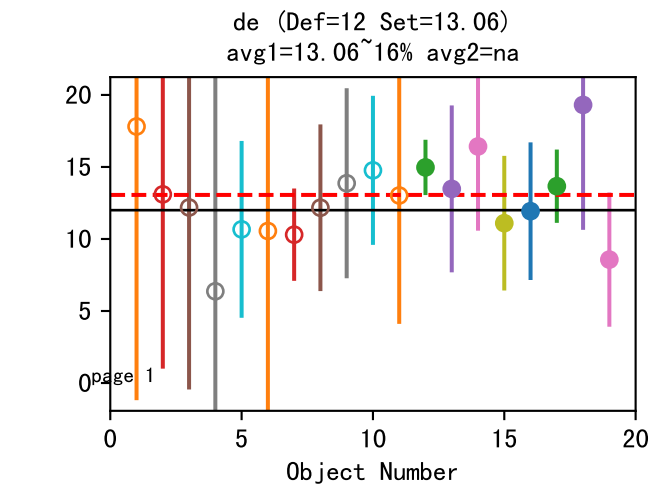
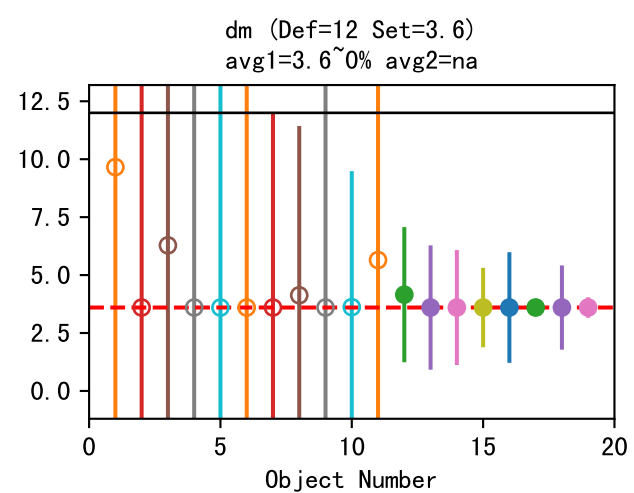
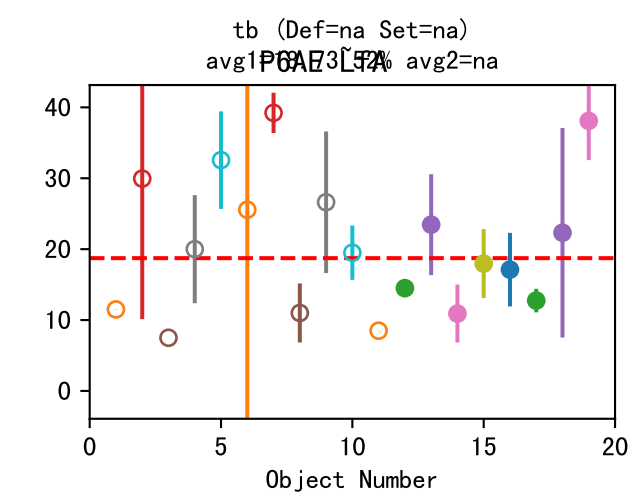
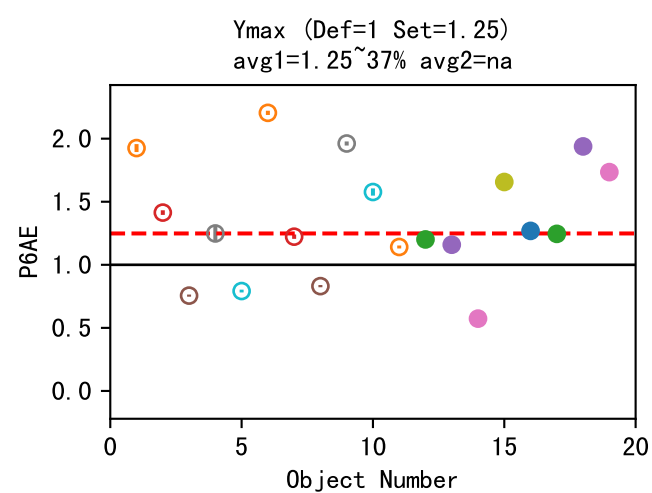


P6AE-045-12L23 (fit failed)

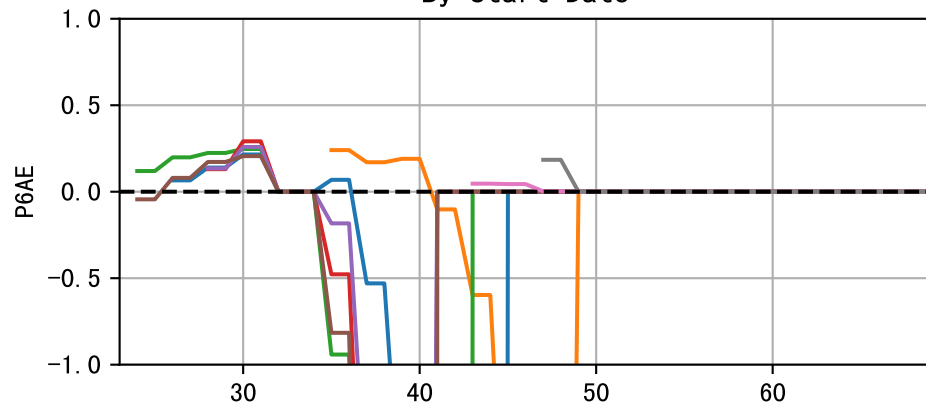


P6AE-045-12L7 (fit failed)

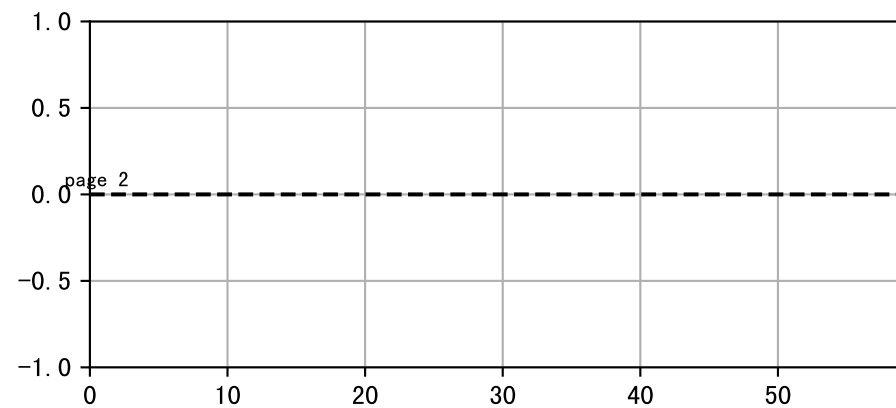
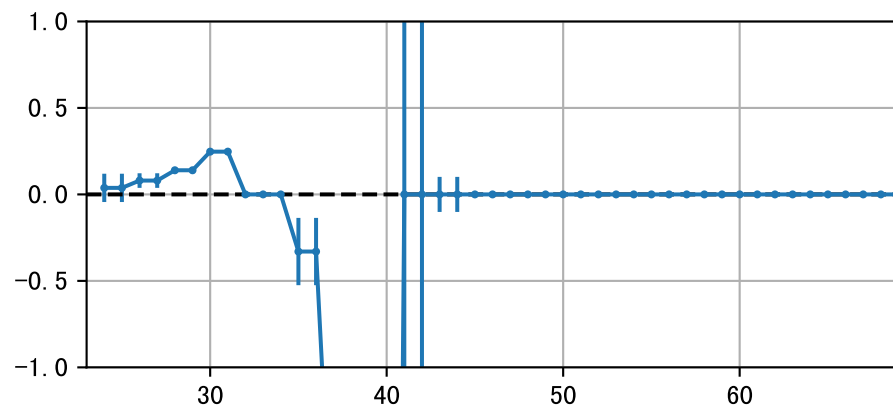
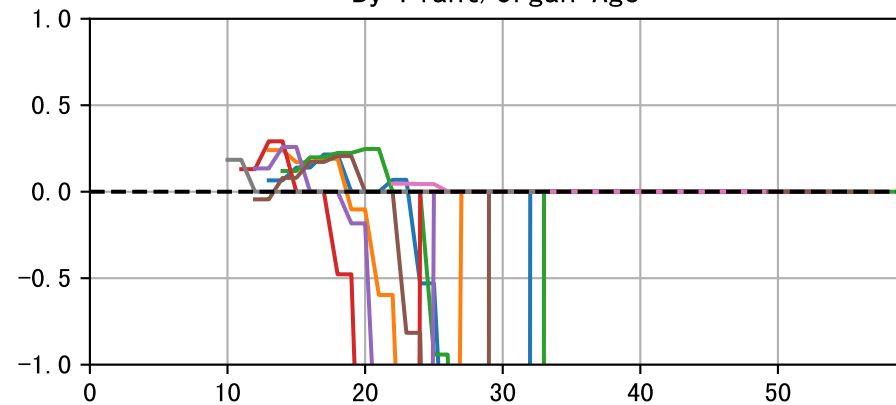


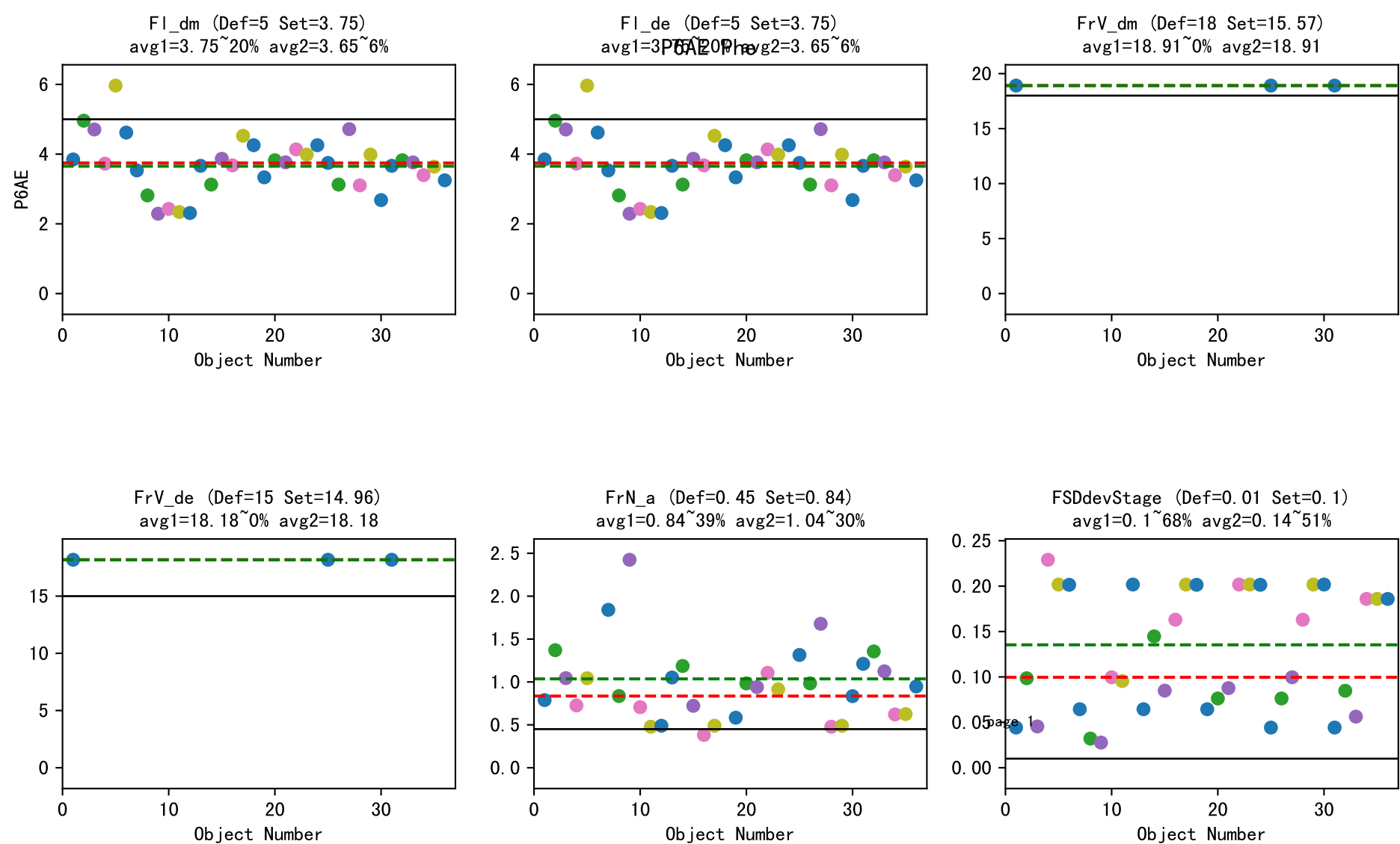


By Start Date

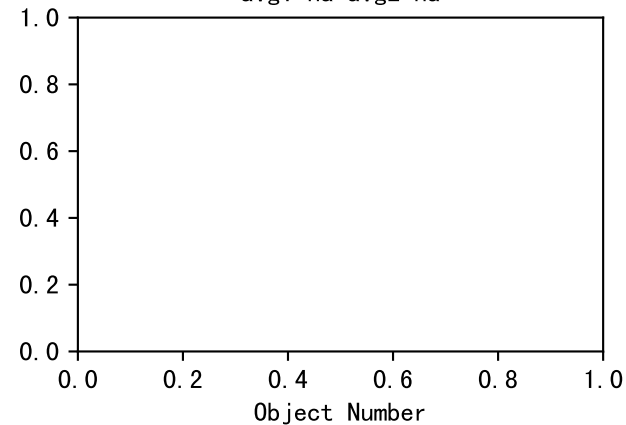


By Plant/Organ Age

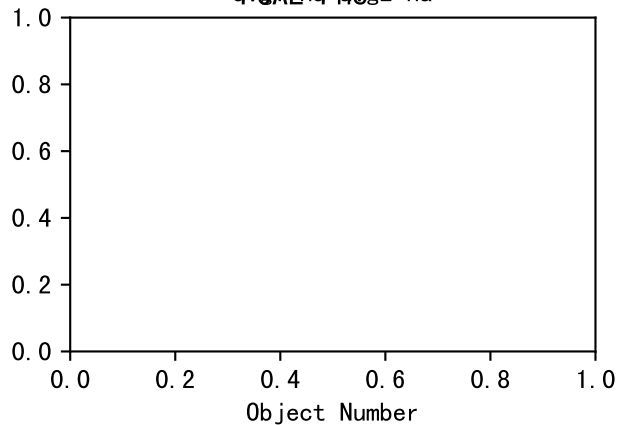




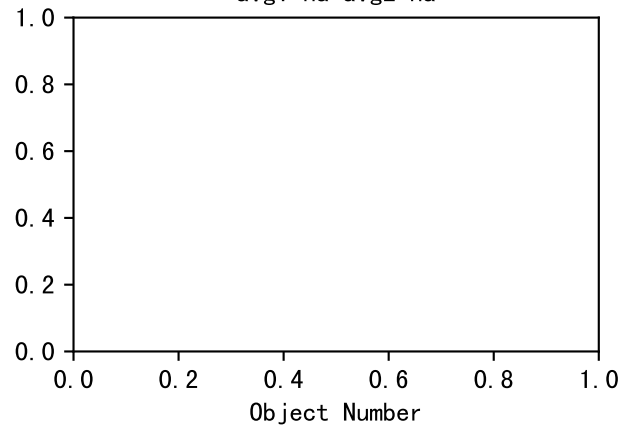
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



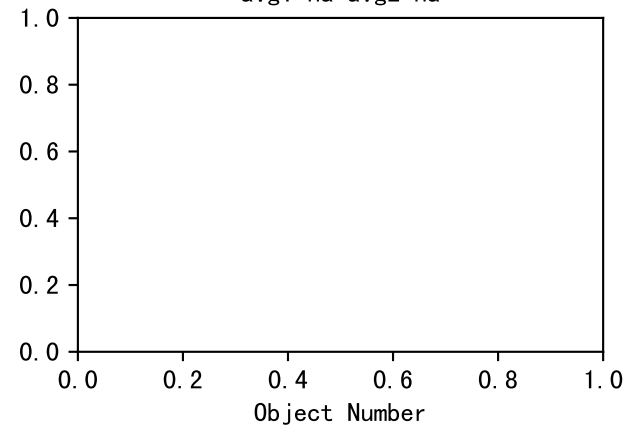
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



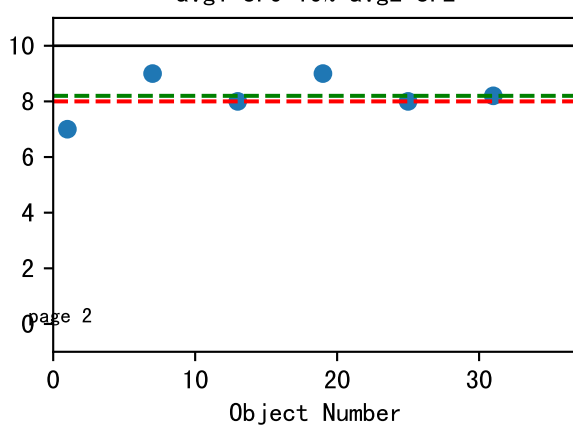
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



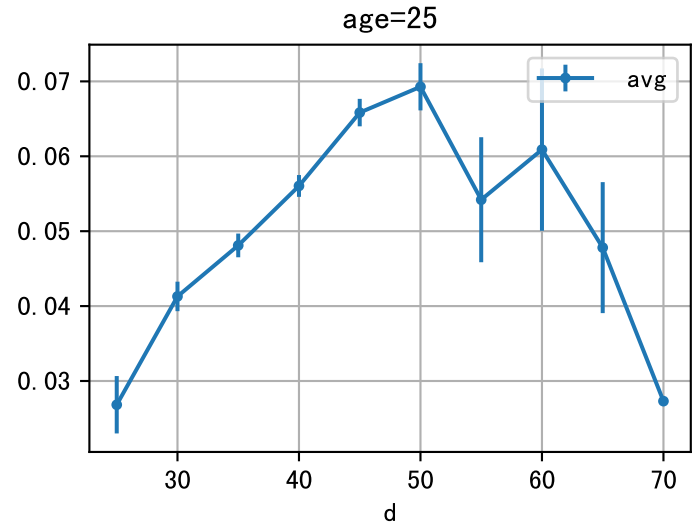
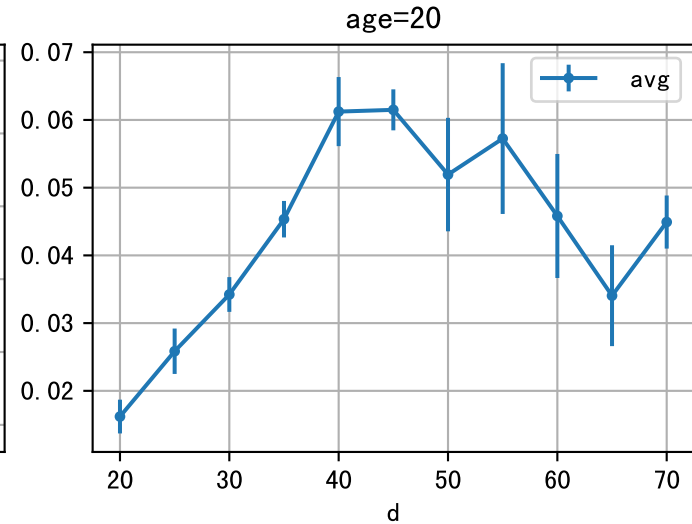
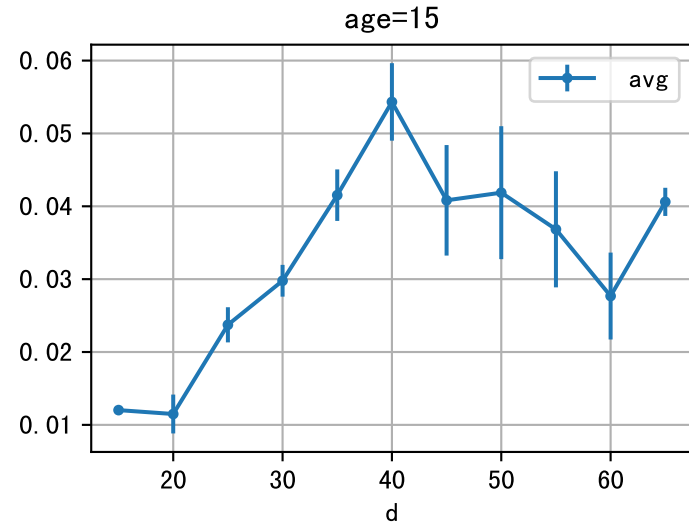
FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na

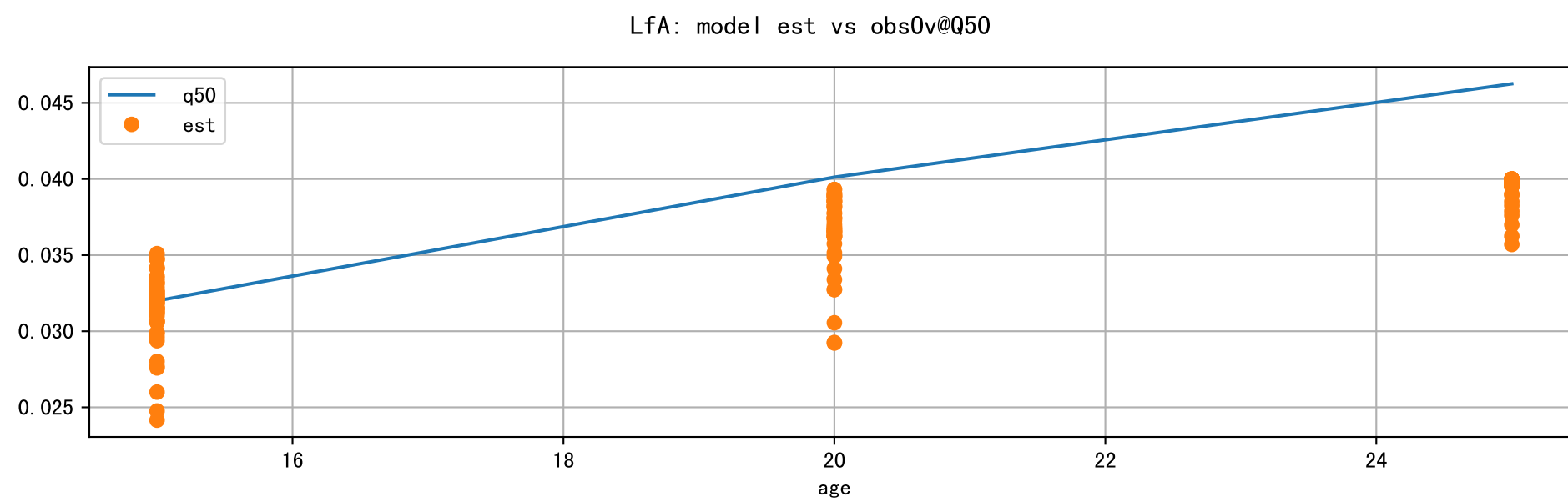


NNgen (Def=10 Set=8)
avg1=8.0~10% avg2=8.2



LfA: avg vs. d at each age group



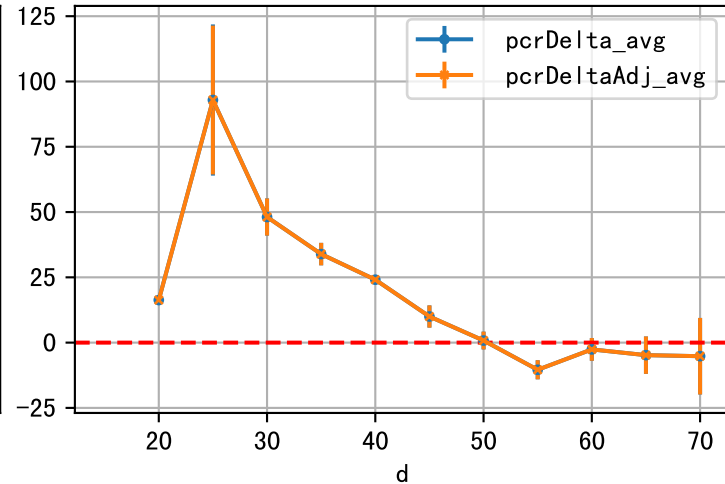
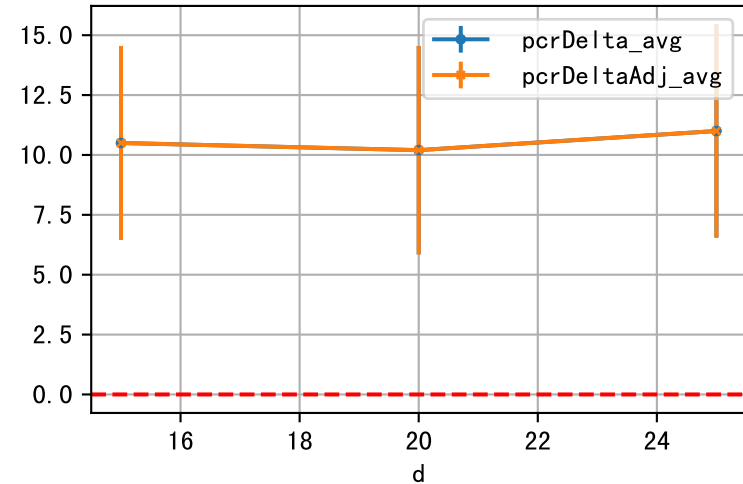


P6AE LfA: D_5d_LfA

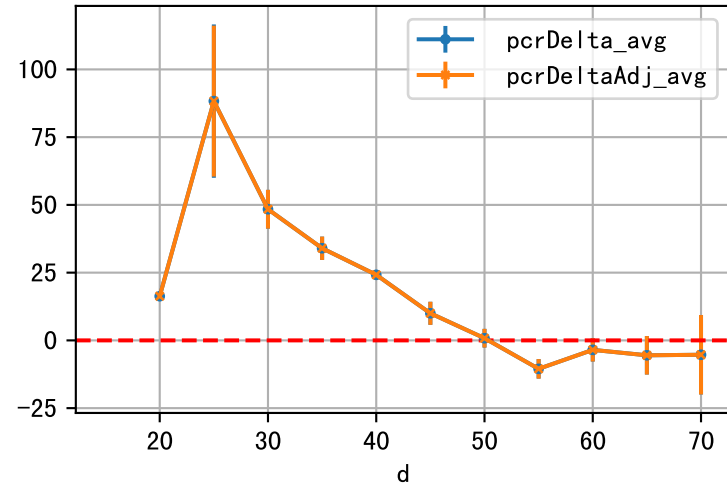
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DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD



page 3

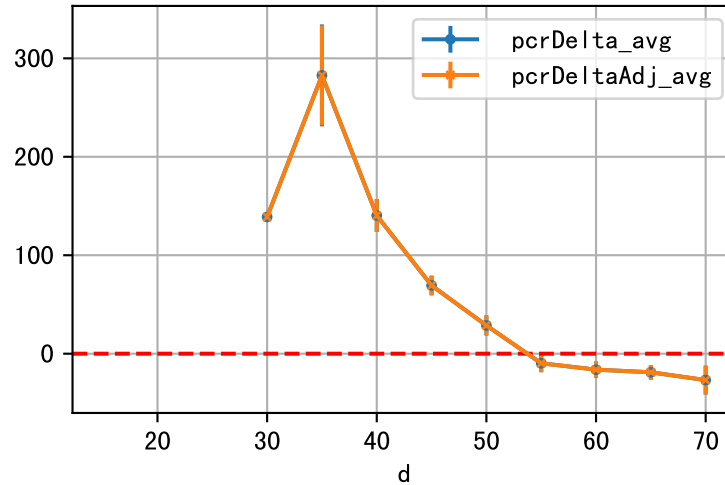
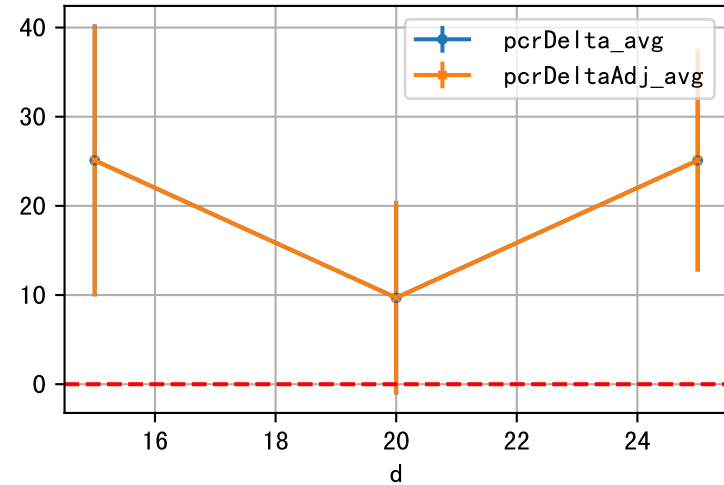


P6AE LfA: D_15d_LfA

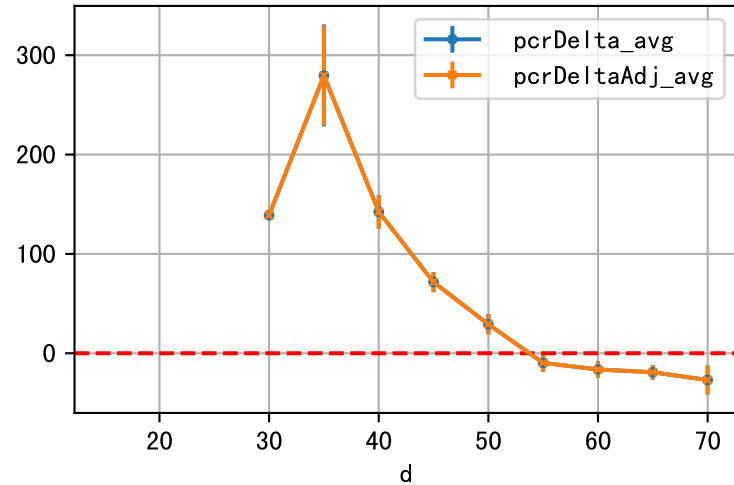
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DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

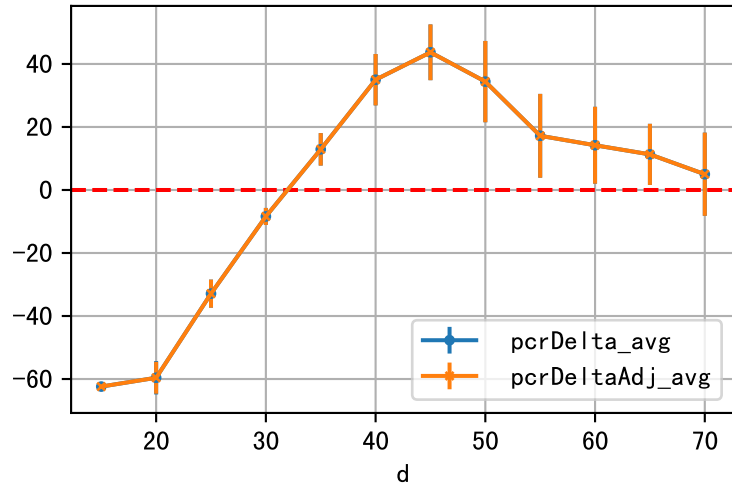


page 4



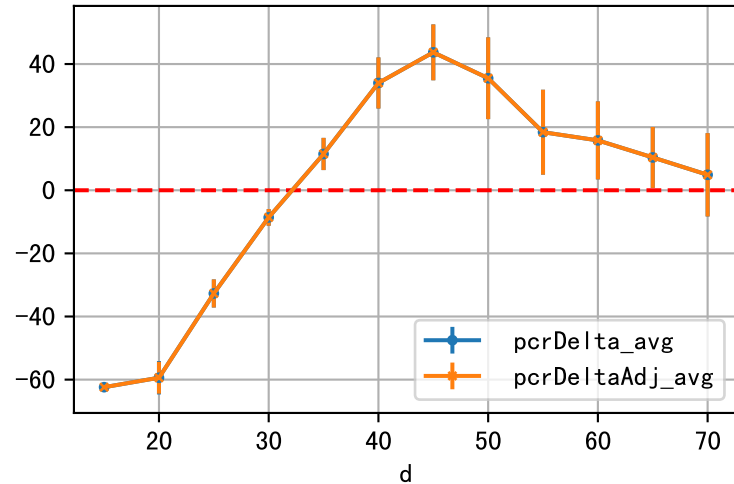
P6AE LfA: D_Q50_LfA

DeltaTypeAbbr=GrpByDay

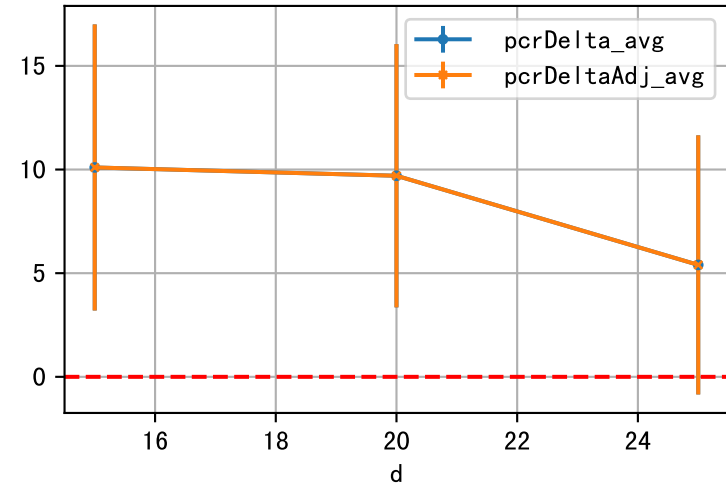


page 5

DeltaTypeAbbr=Wei AvgByD

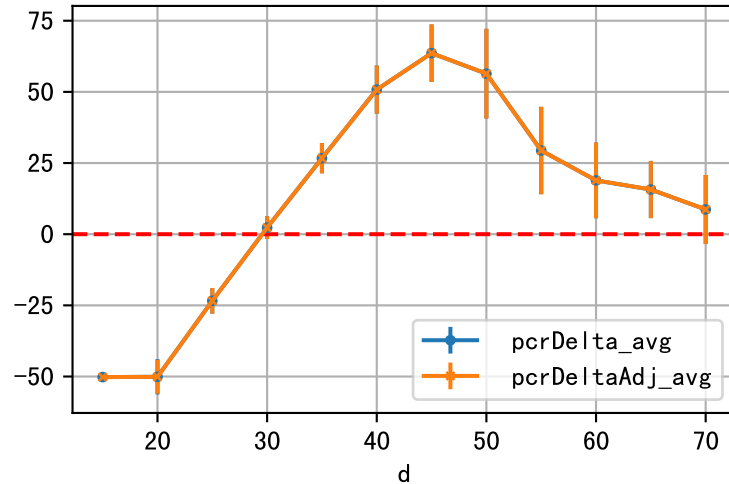


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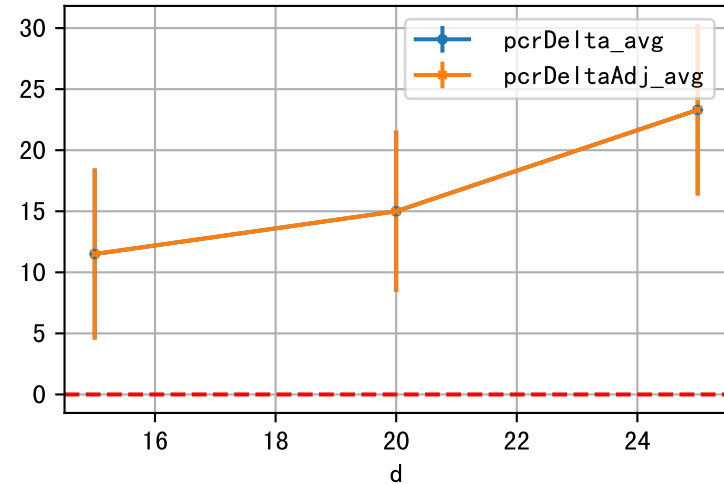
P6AE LfA: D_Est_LfA

DeltaTypeAbbr=GrpByDay

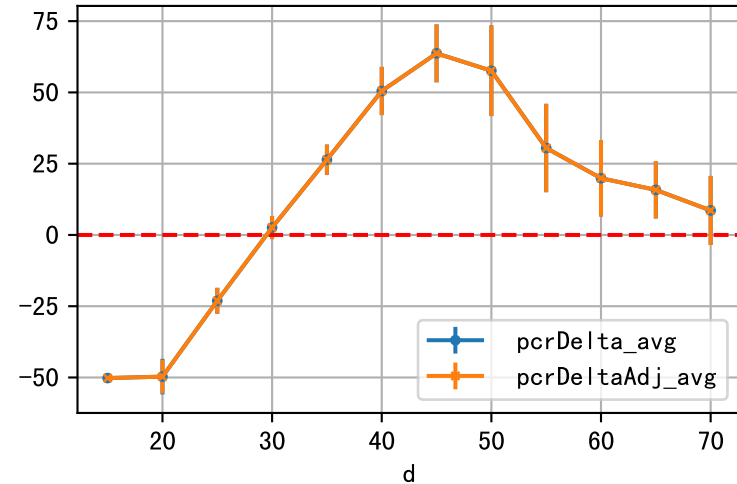


page 6

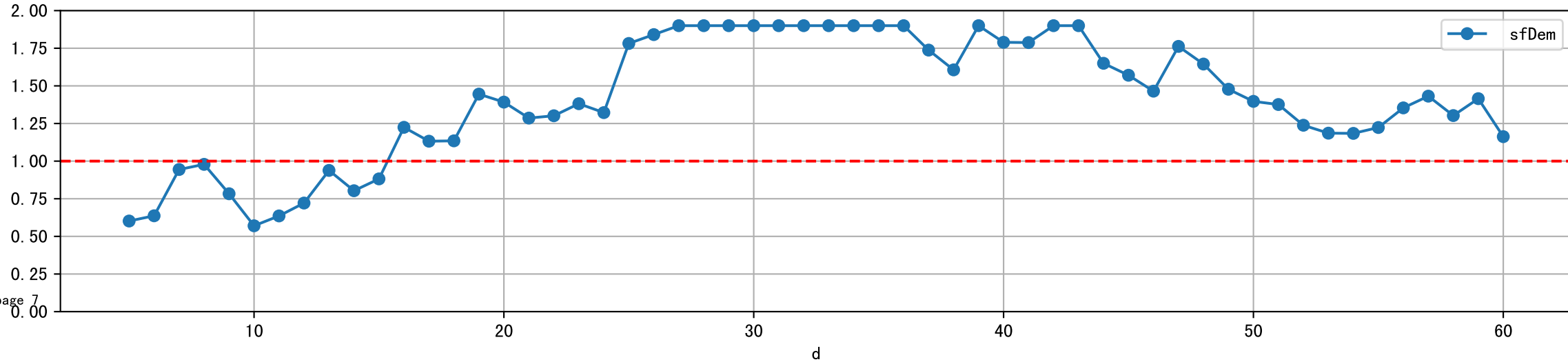
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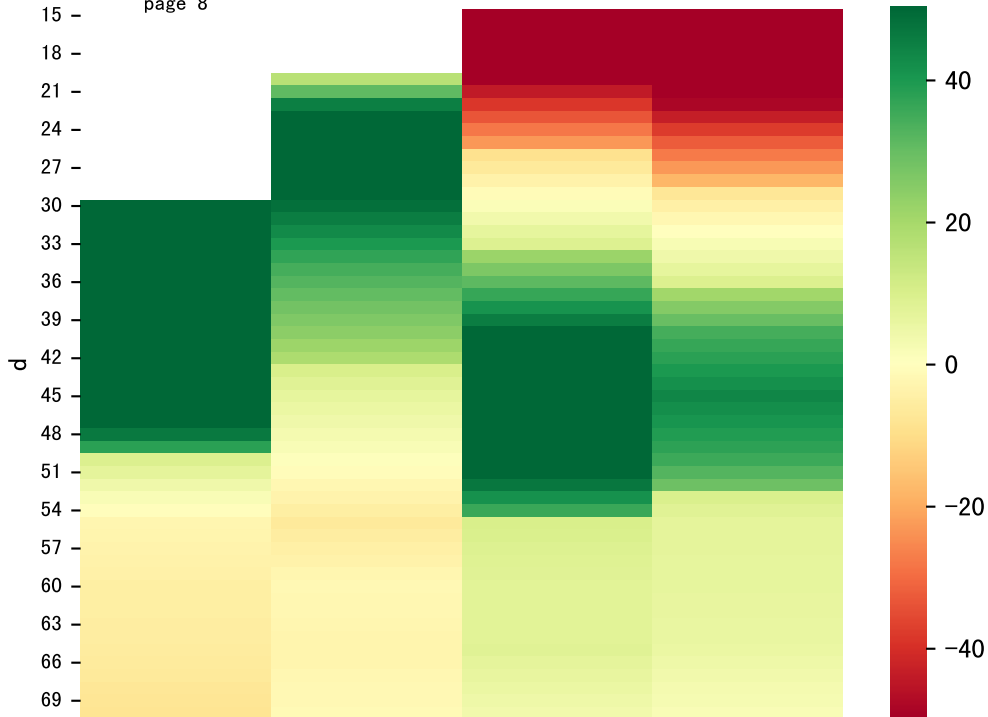


DeltaTypeAbbr=Wei AvgByD



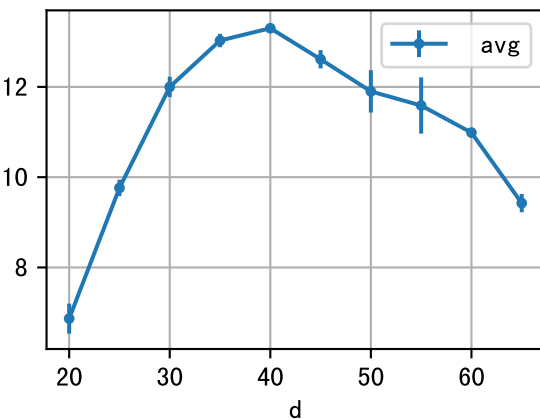
LfA: sfDem



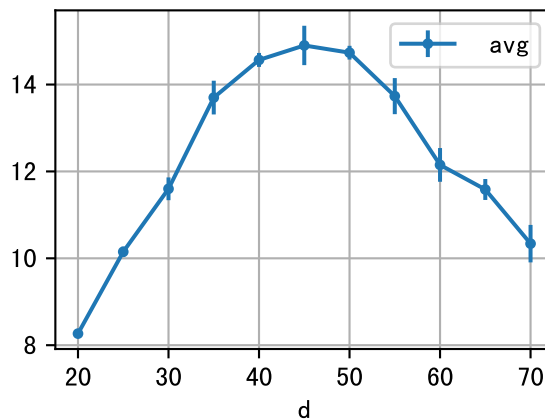


NdD: avg vs. d at each age group

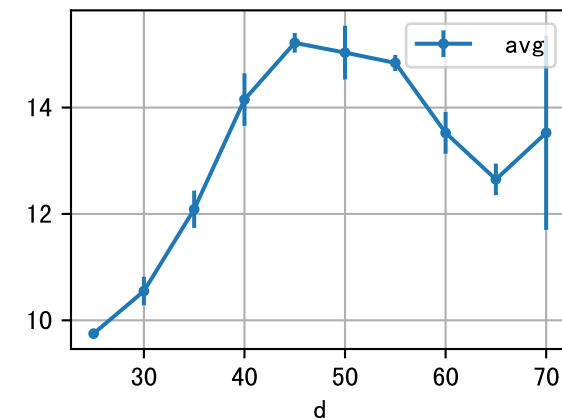
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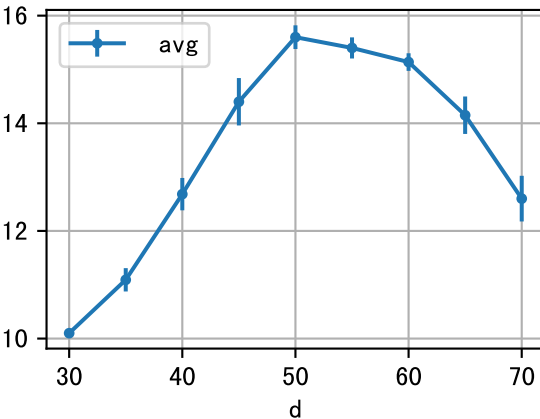
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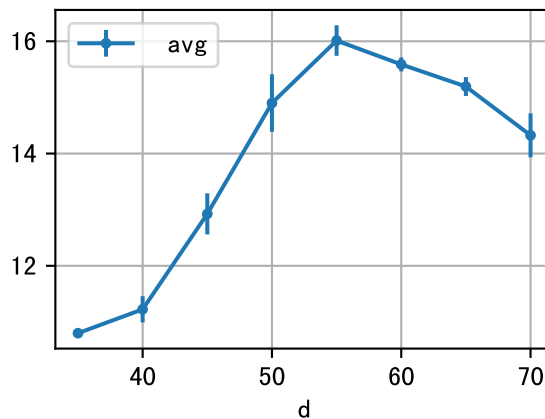
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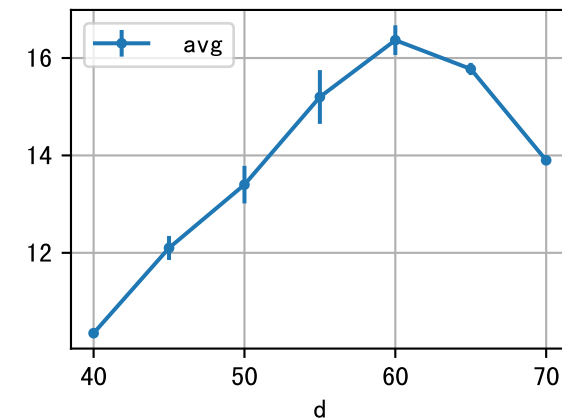
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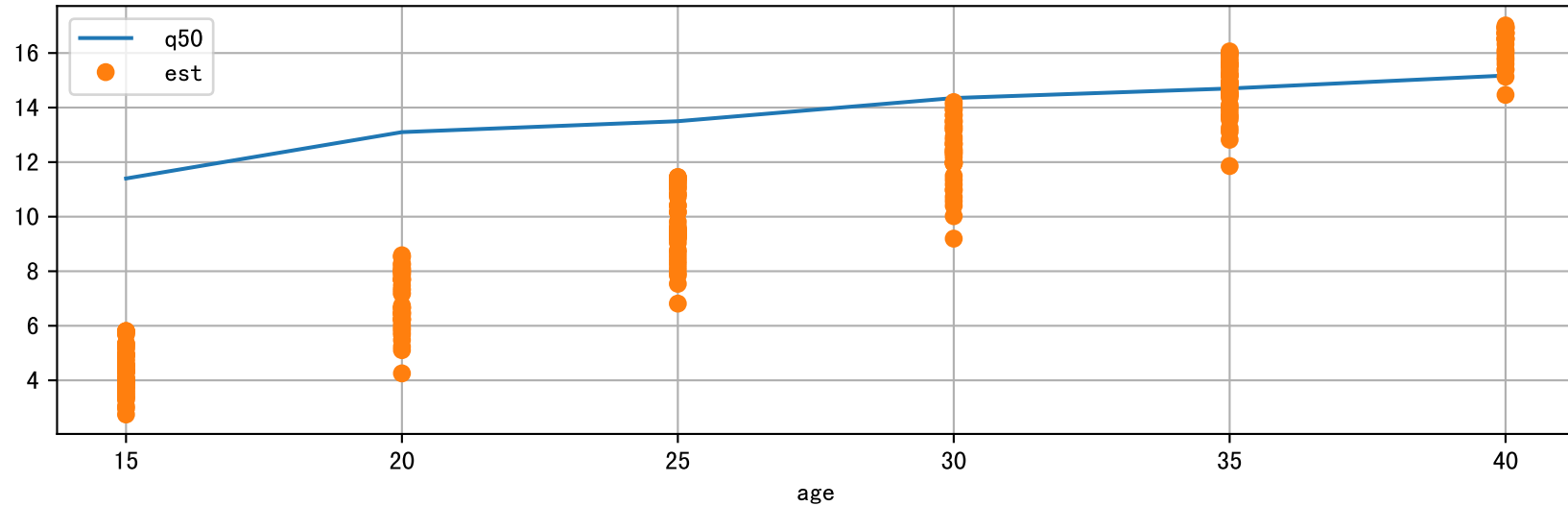
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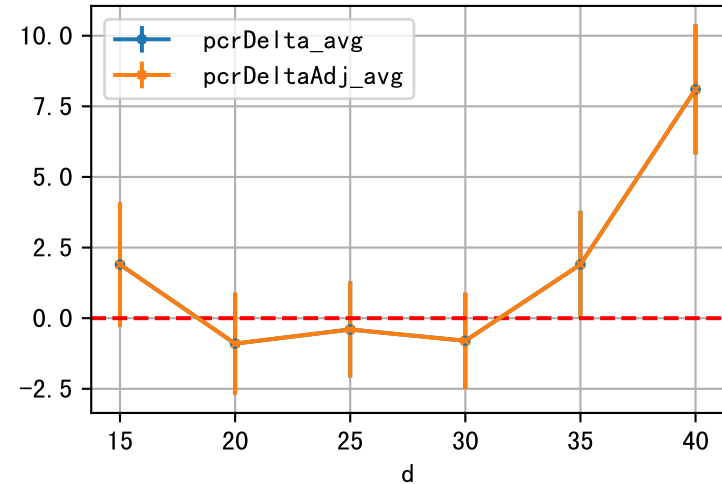
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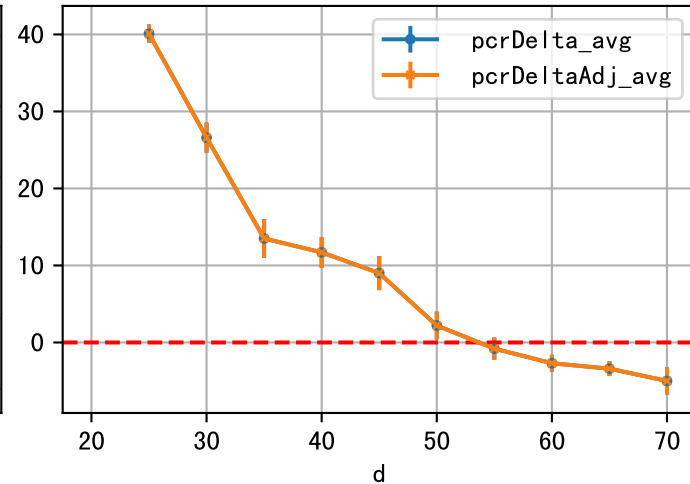
NdD: model est vs obs0v@Q50



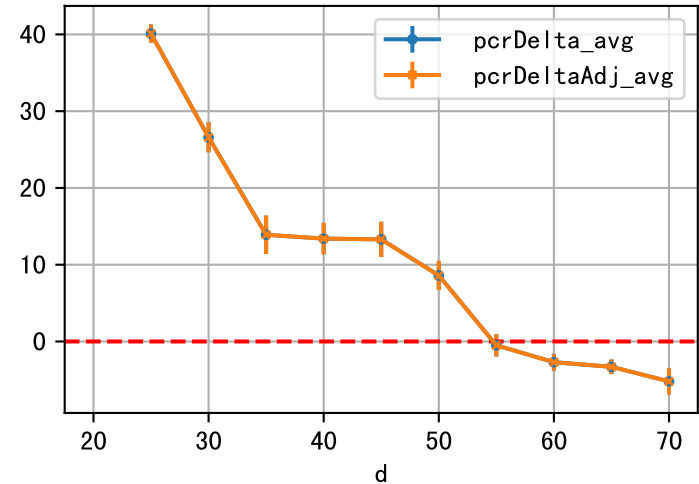
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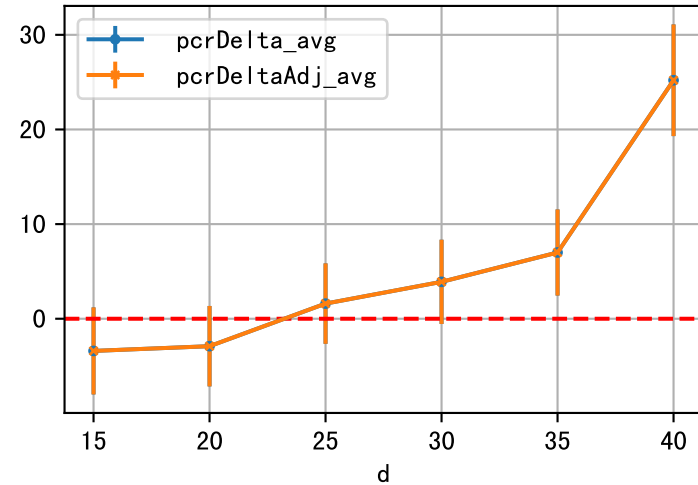
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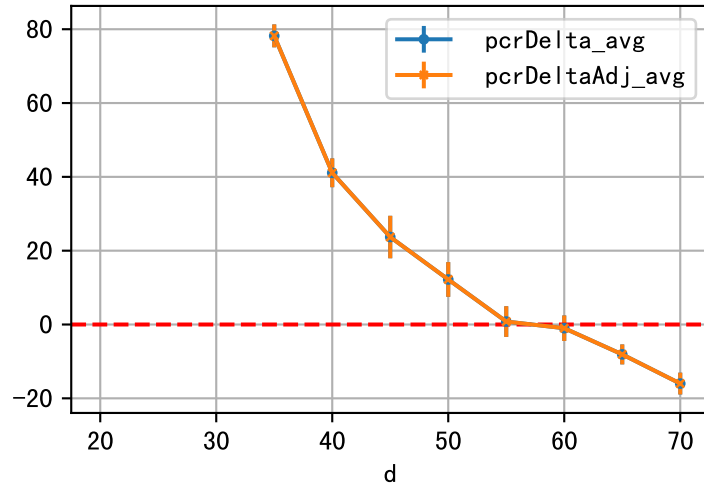
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

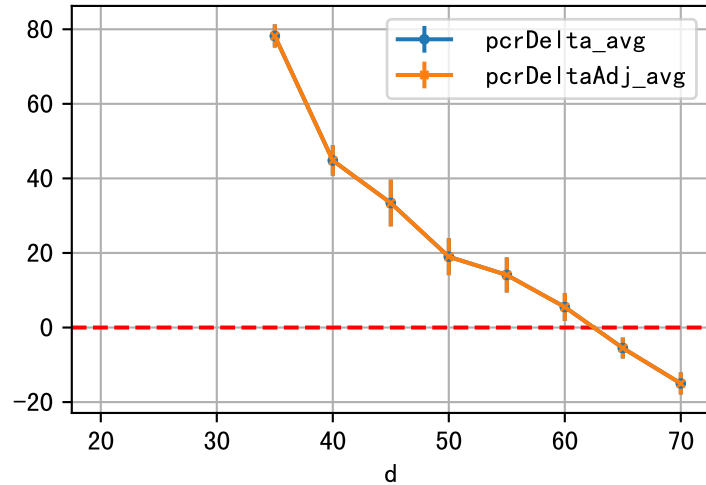


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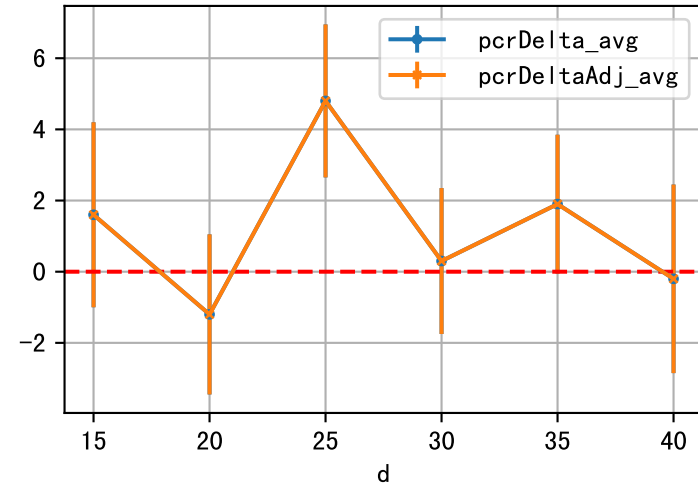


page 12

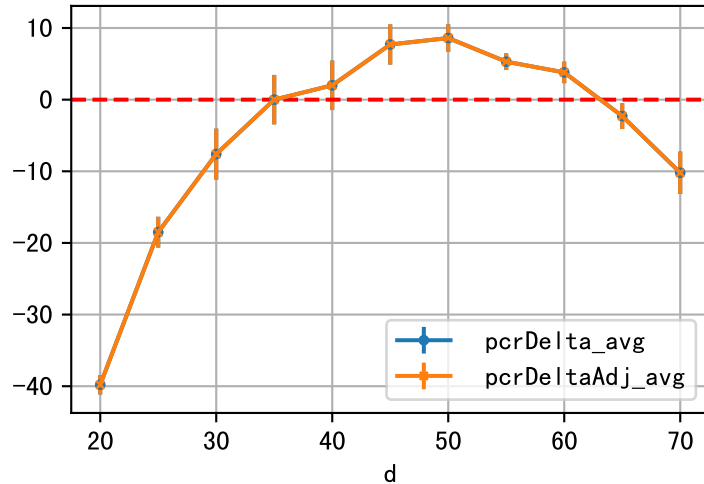
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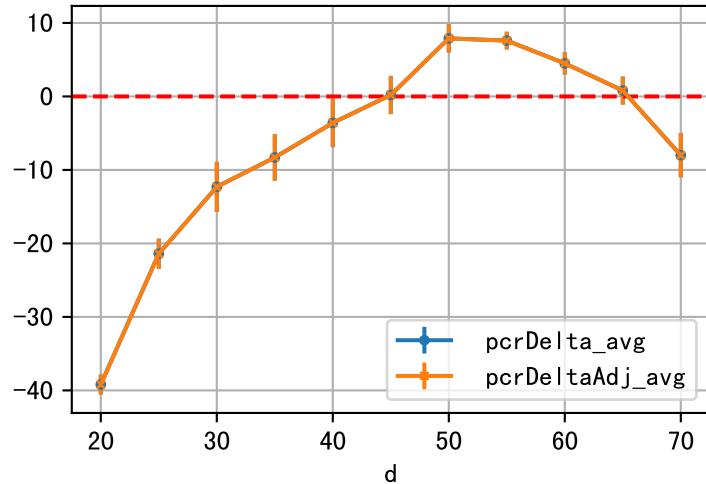
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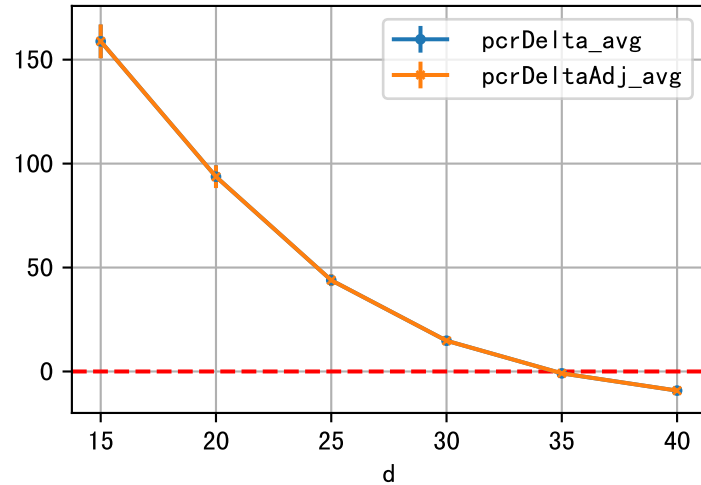
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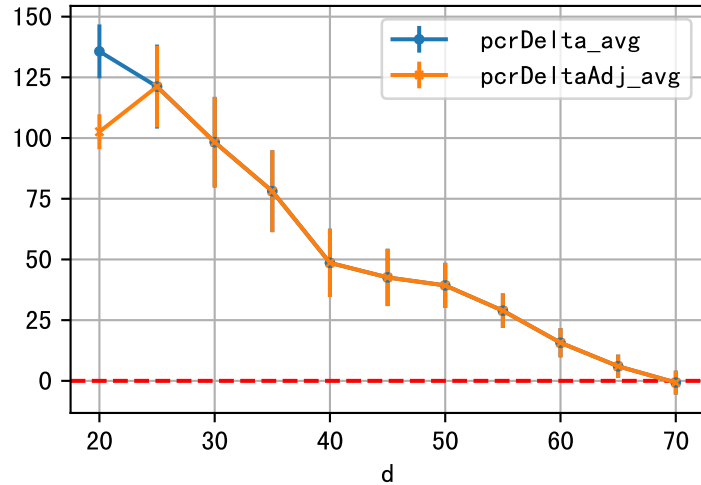
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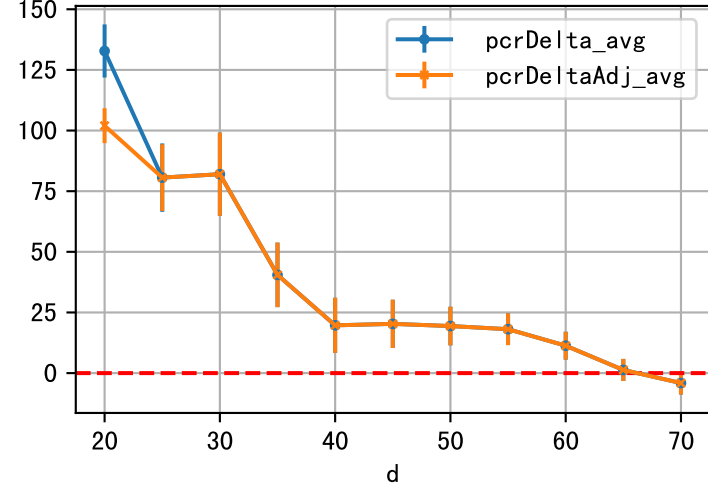
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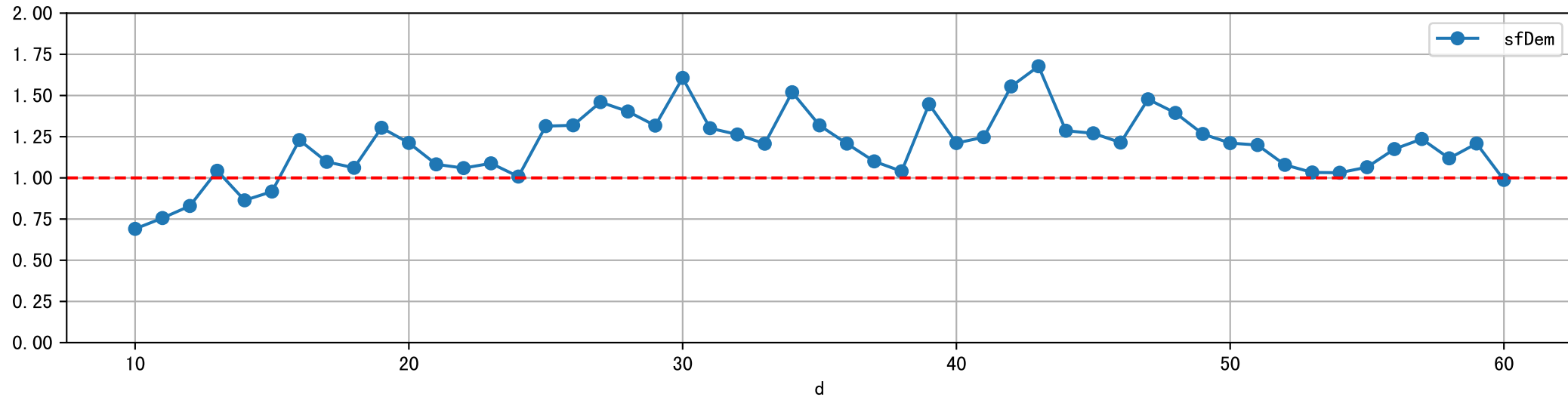
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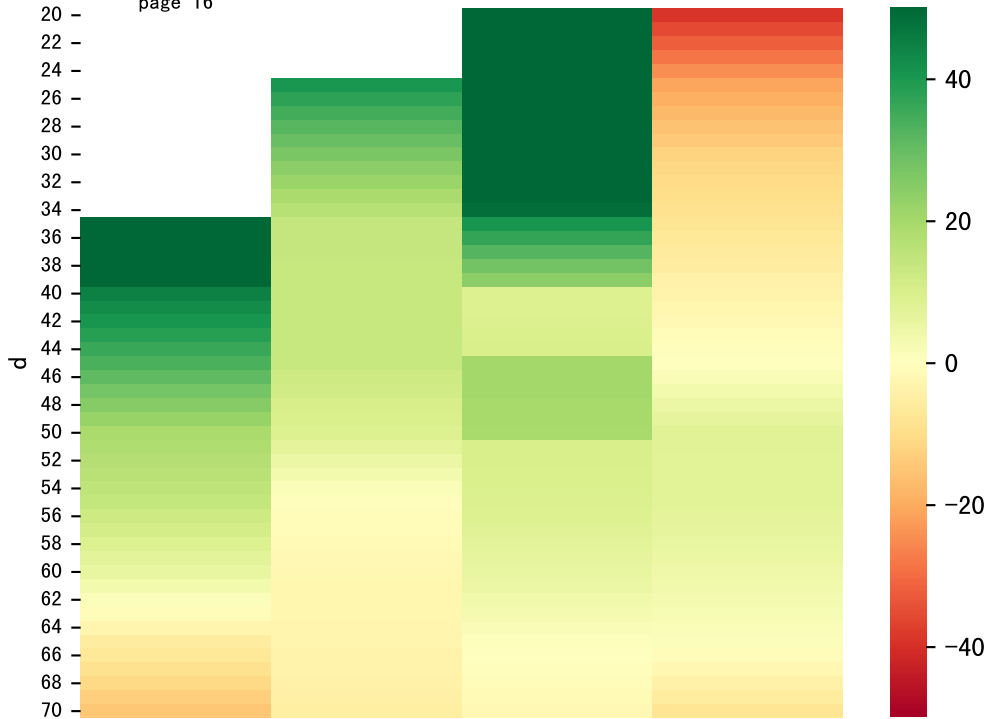


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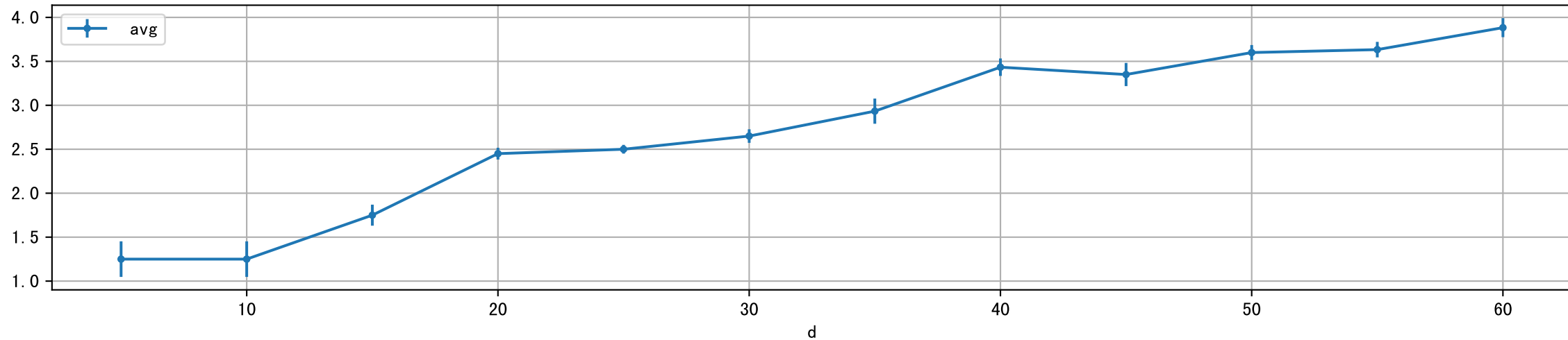


NdD: sfDem

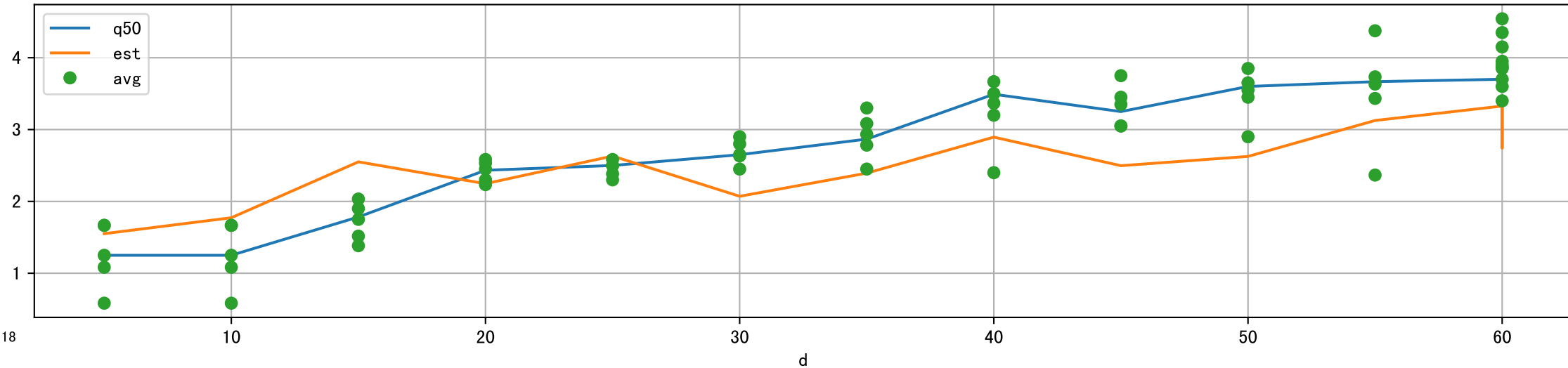




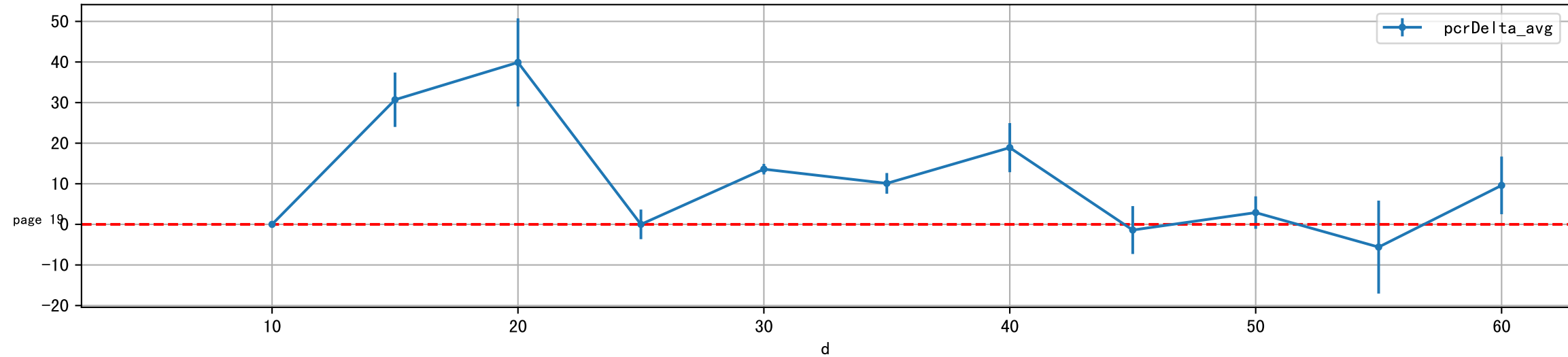
dStH: avg vs. d



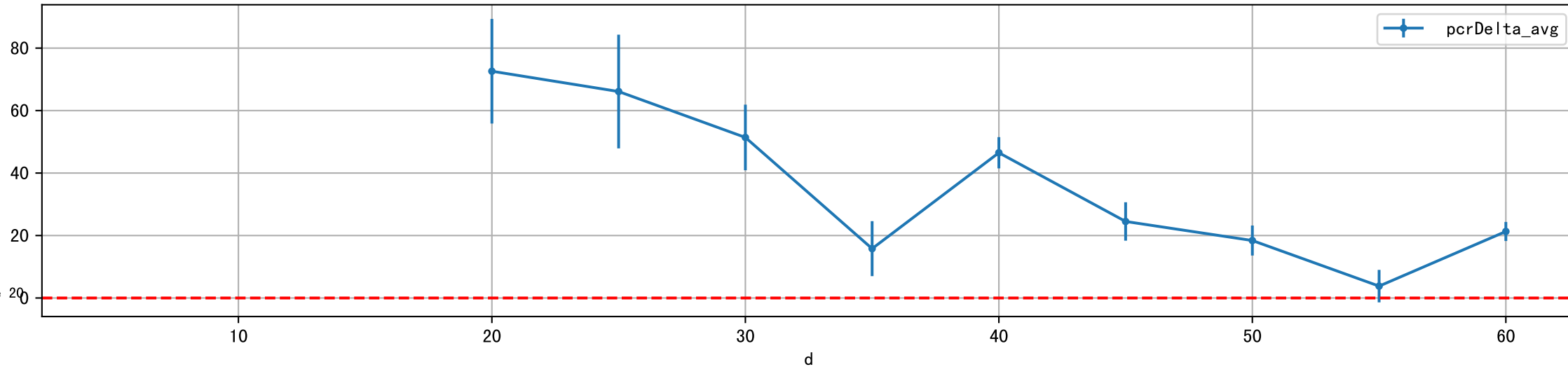
dStH: obsAvg vs obs0v@Q50



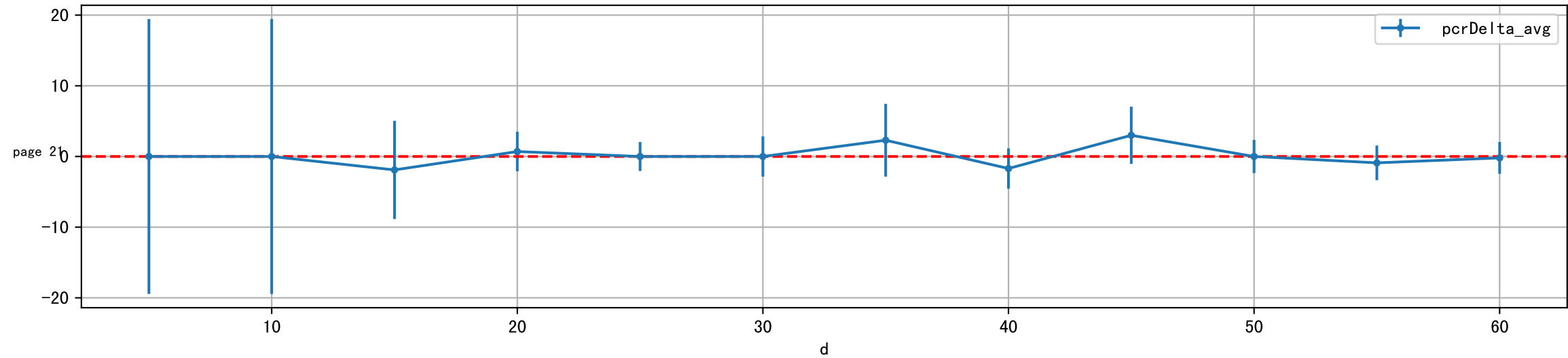
dStH: D_5d_StH



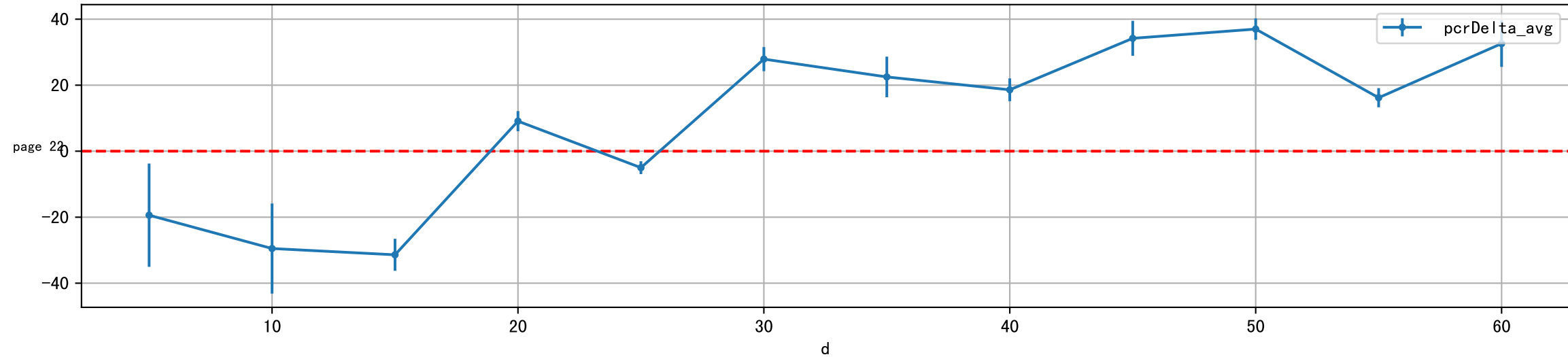
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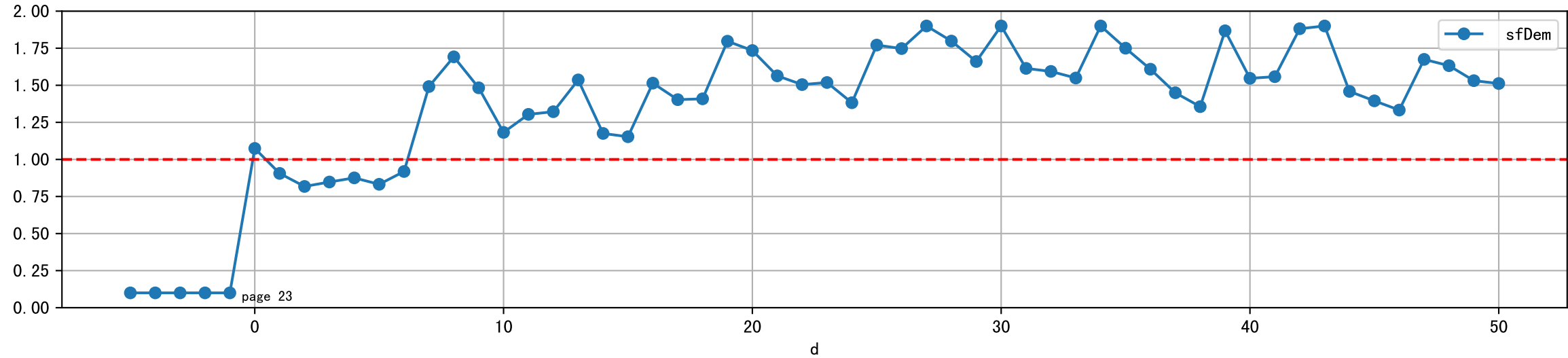
dStH: D_Q50_StH

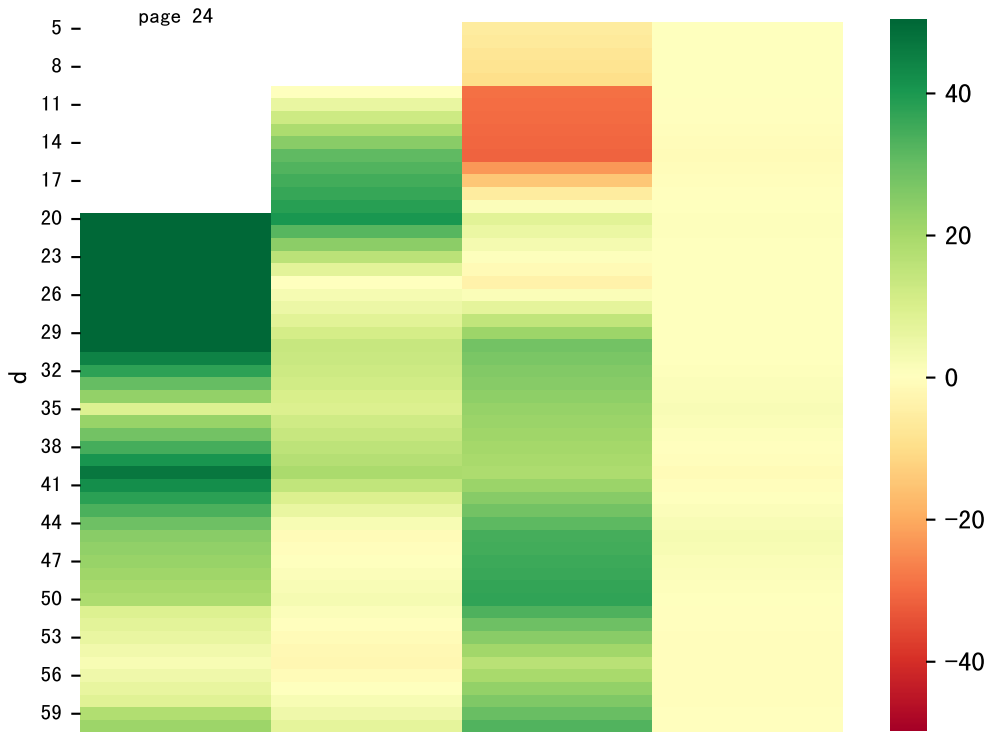


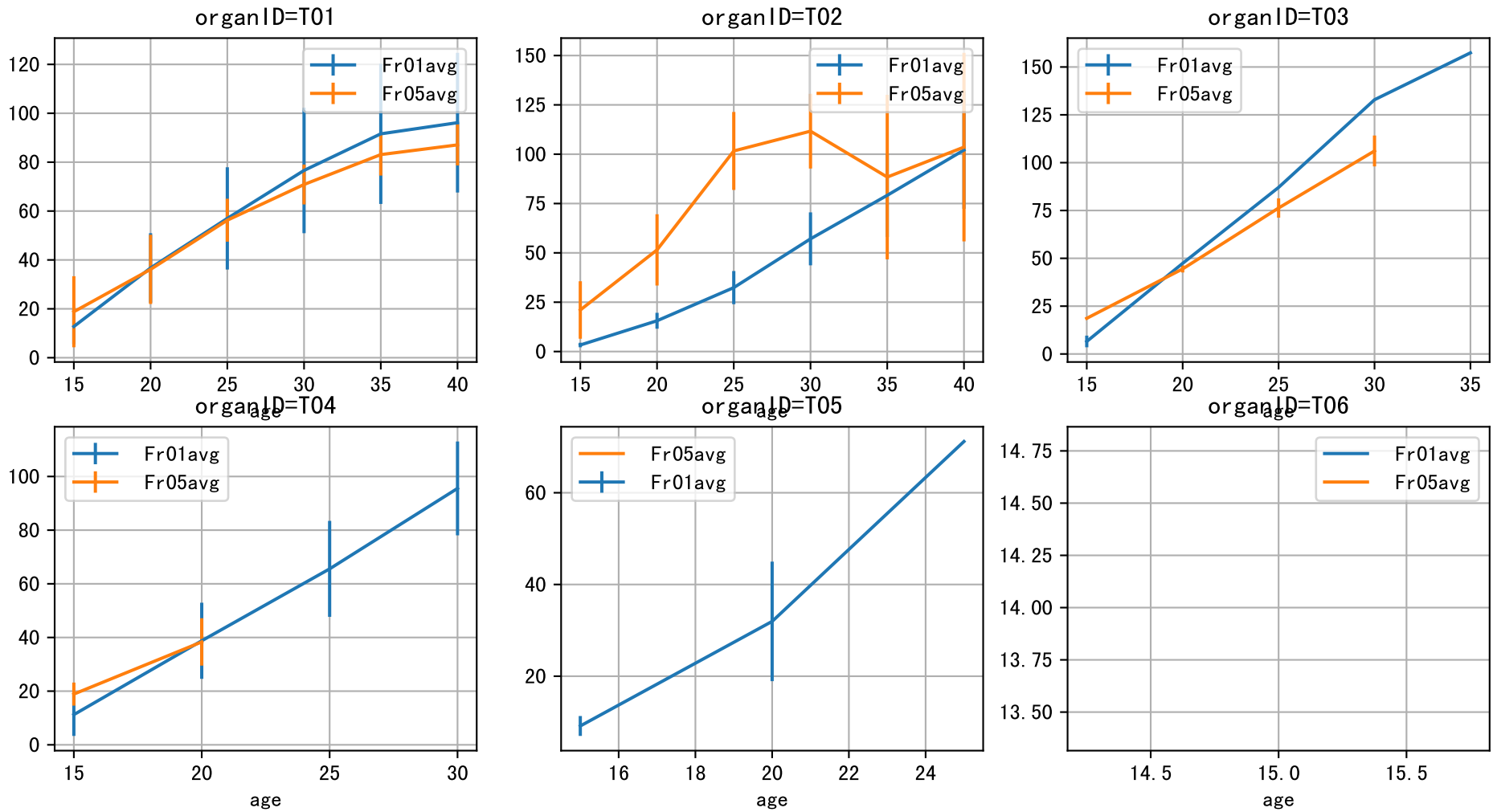
dStH: D_Est_StH



dStH: sfDem

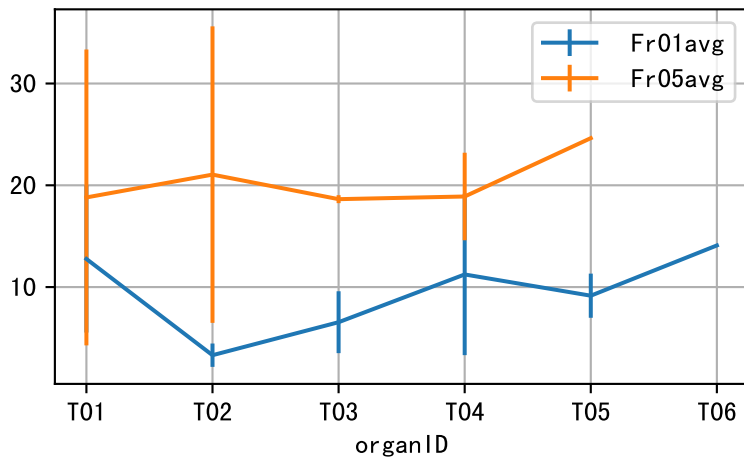




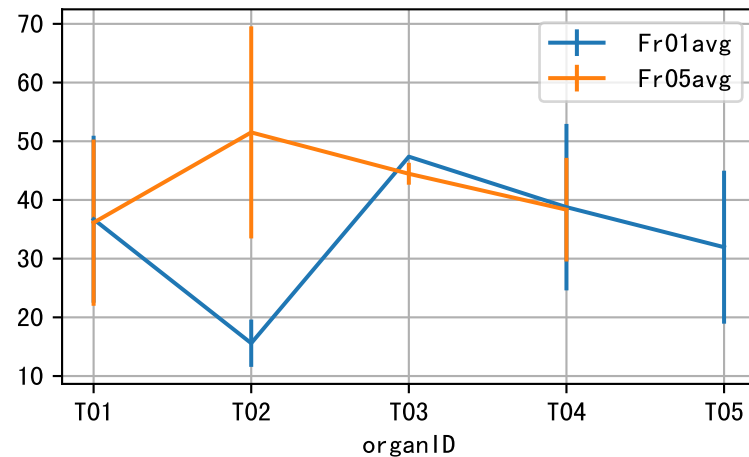


FrV trend at each age

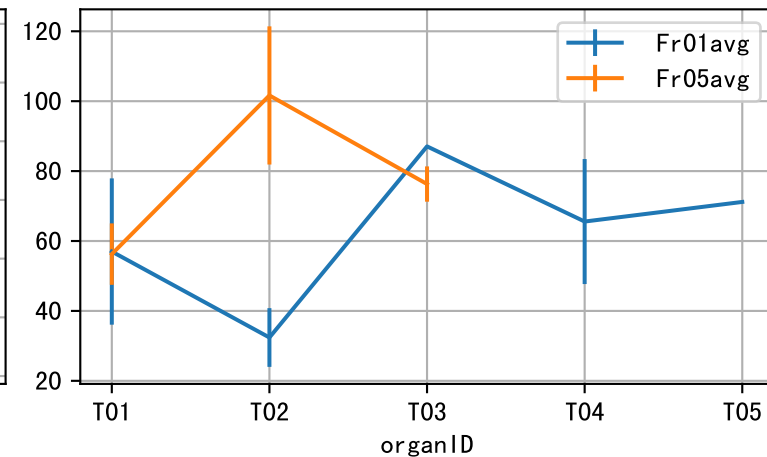
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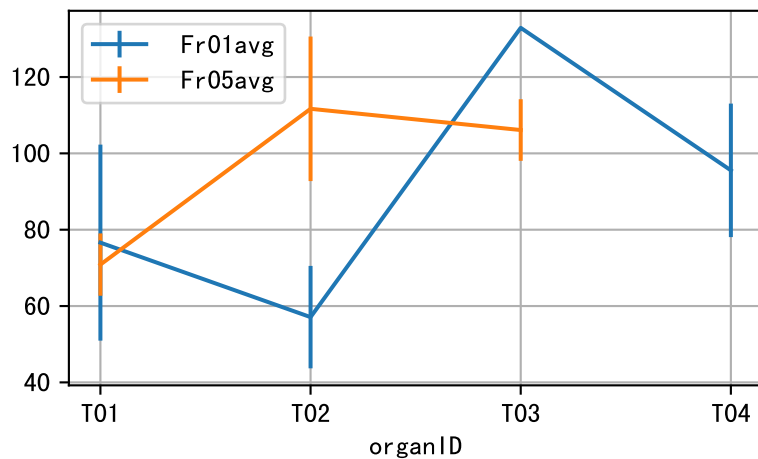
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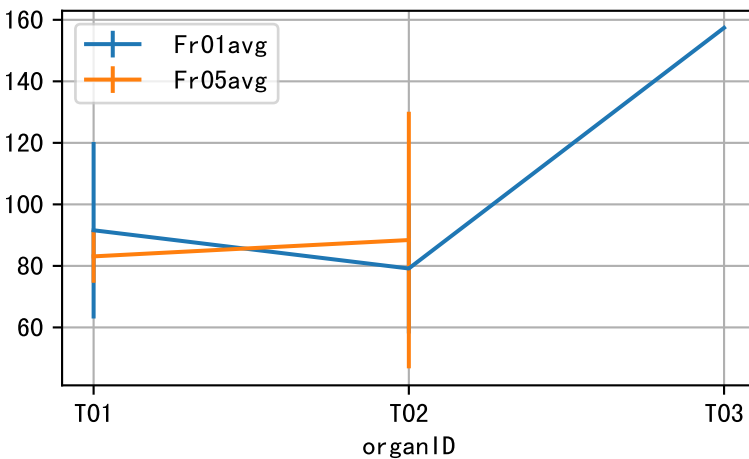
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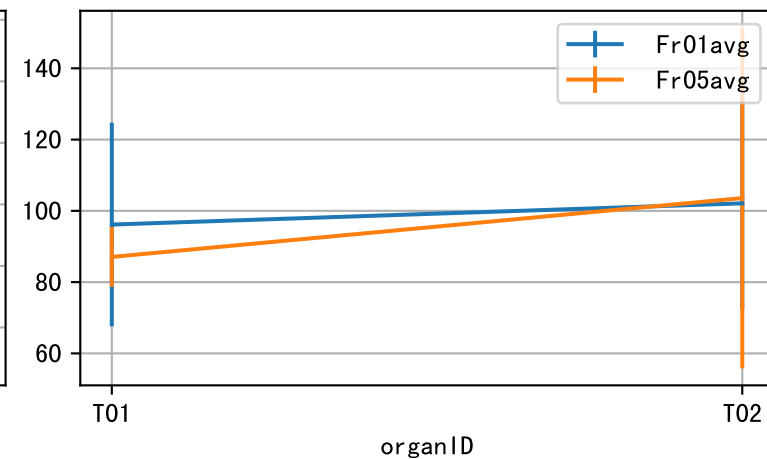
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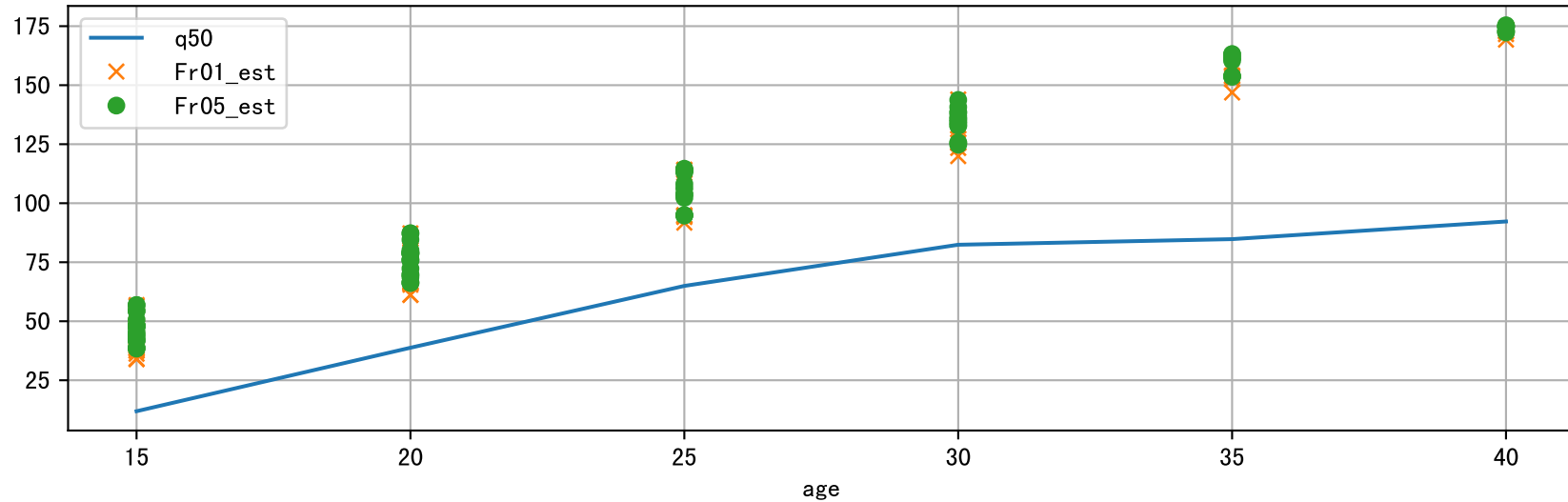
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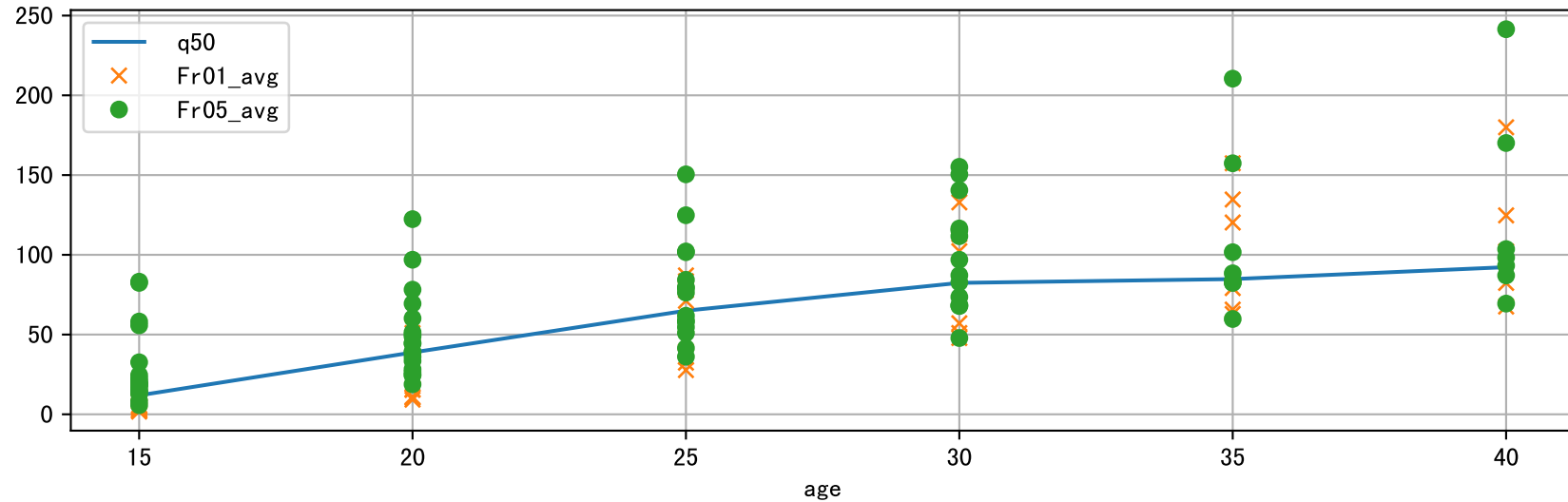
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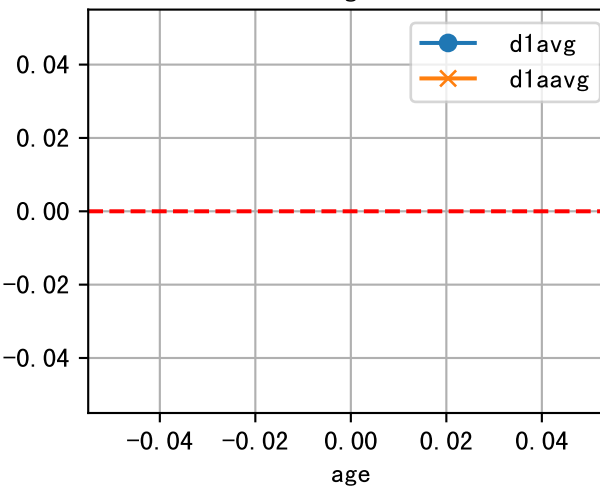
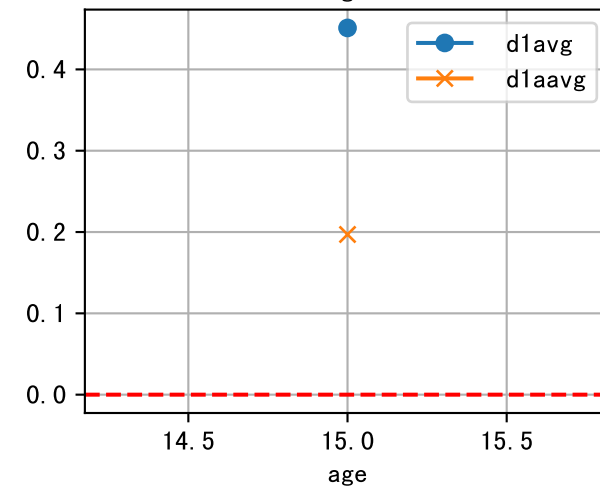
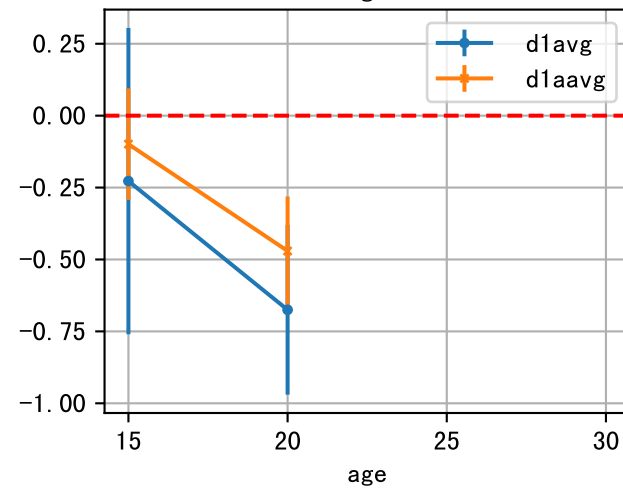
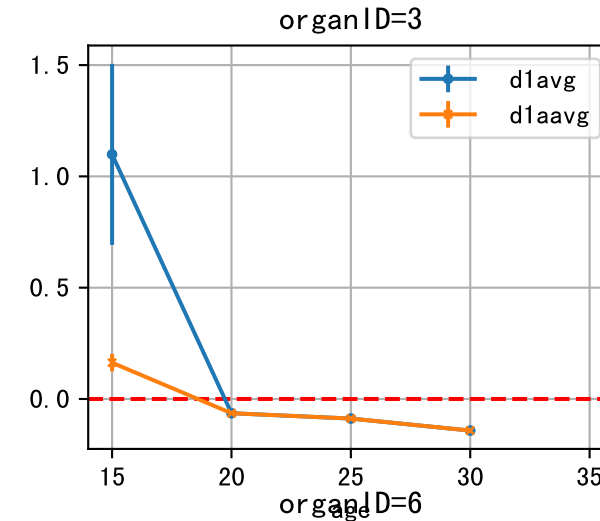
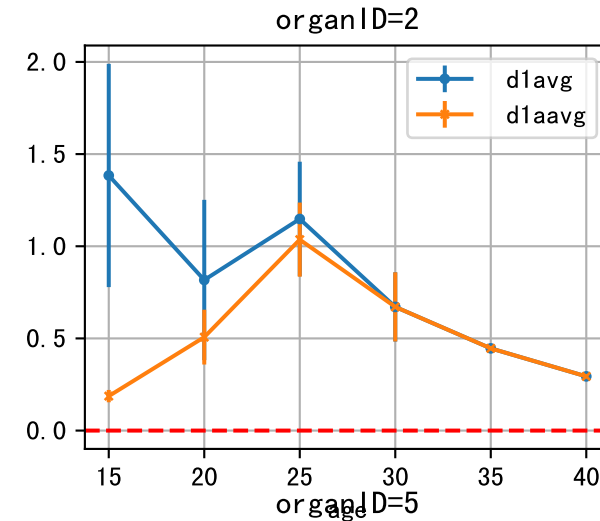
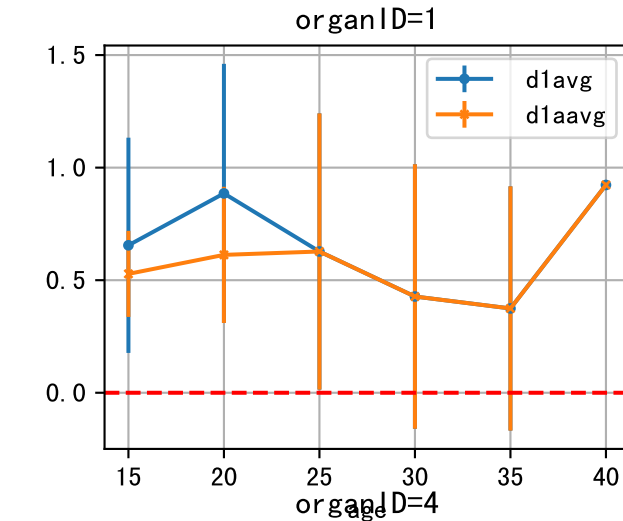


FrV: model Est vs obsFrV at Q90

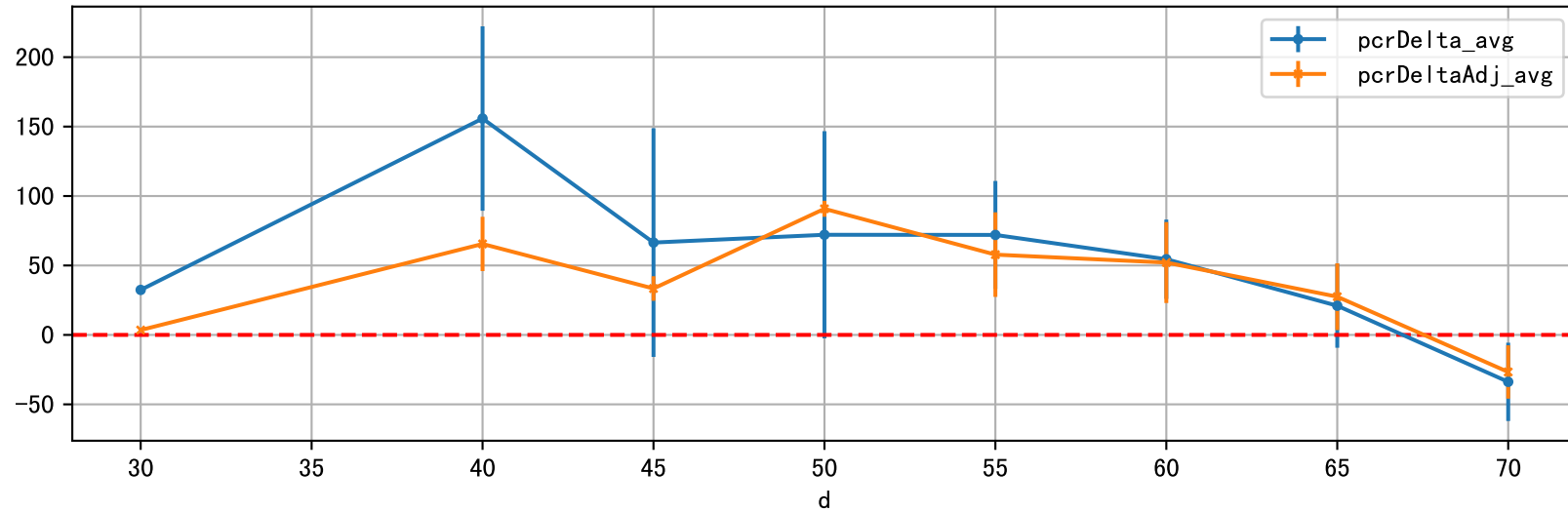


FrV: obsFrV vs obsFrV@Q90

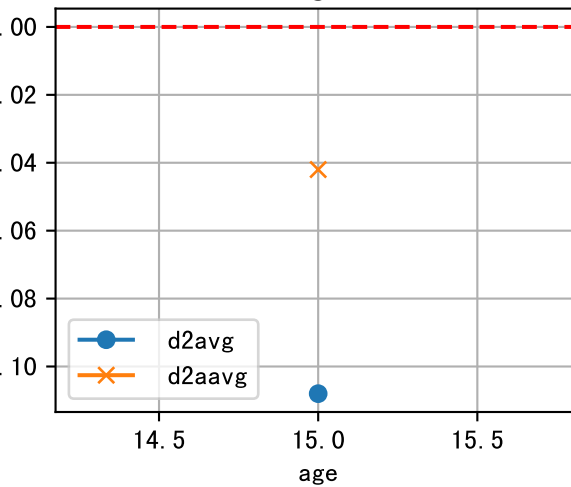
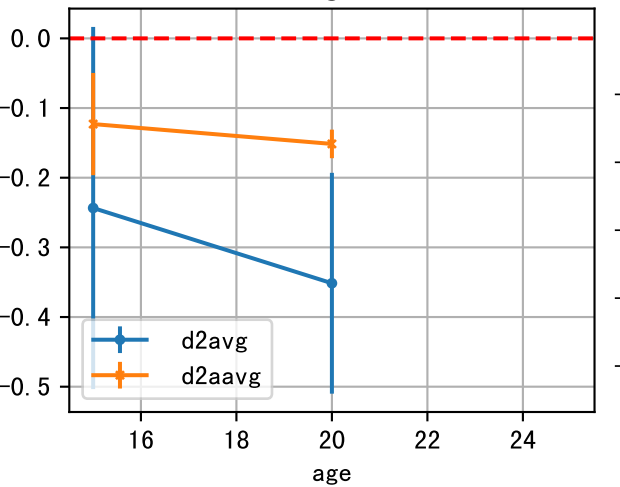
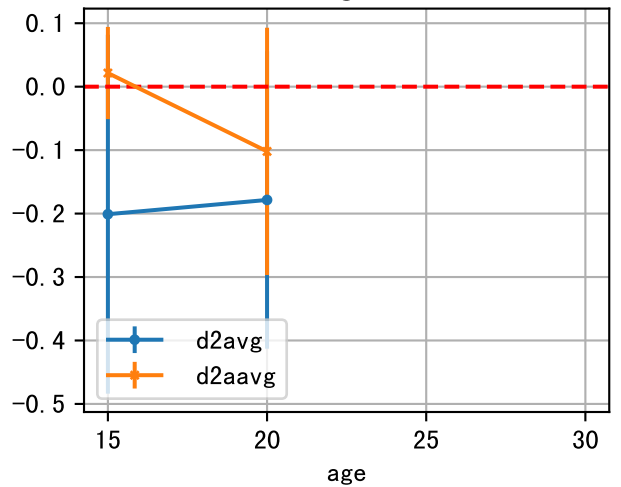
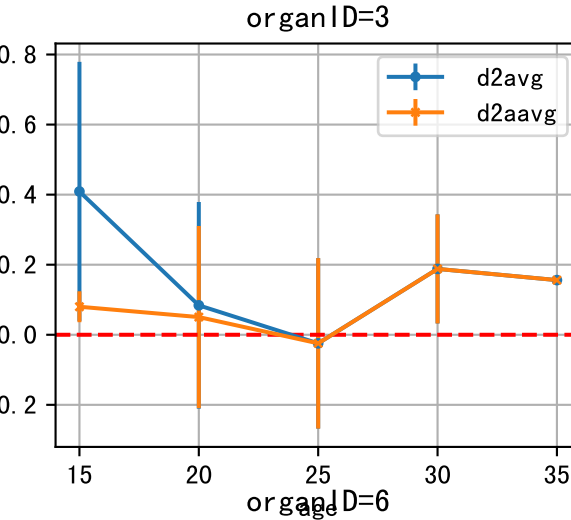
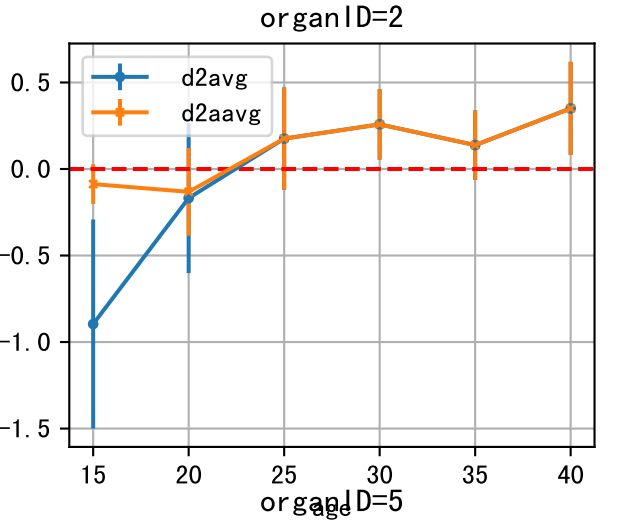
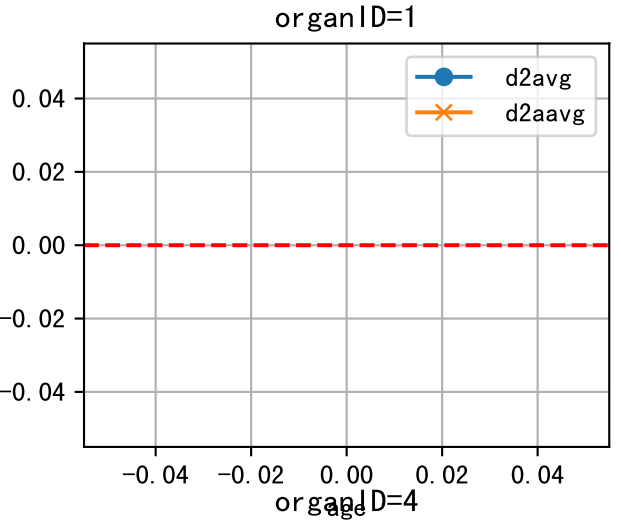




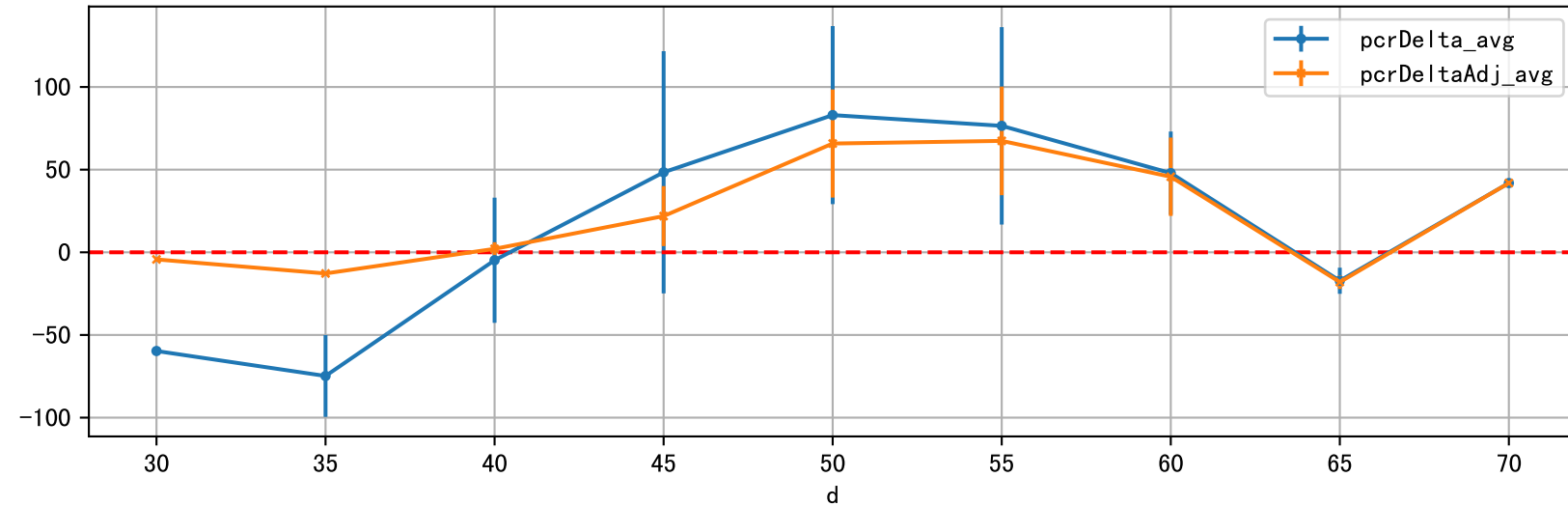
P6AE FrV: D_Fr1_FrV

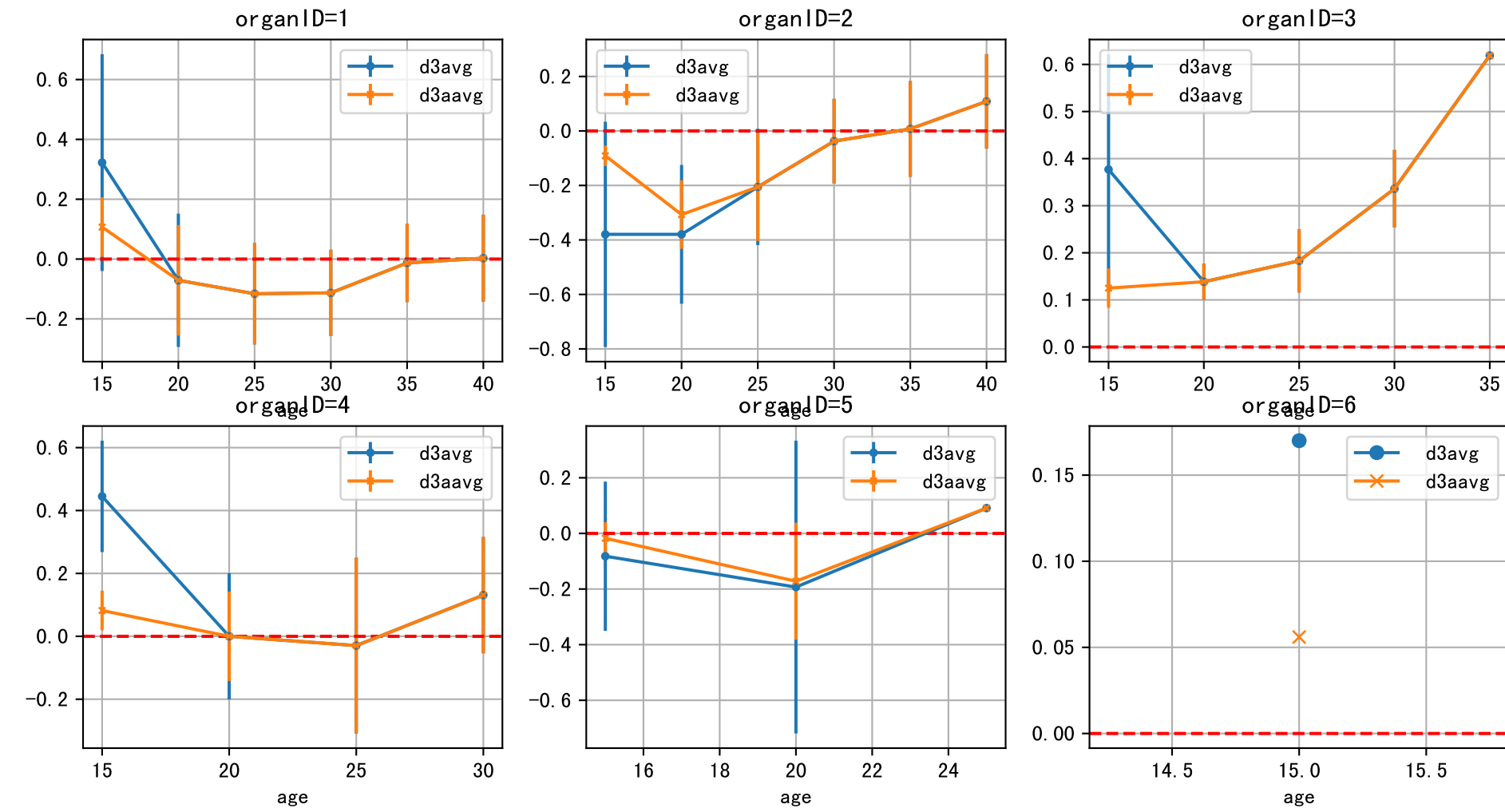


FrV: D_Ts_FrV

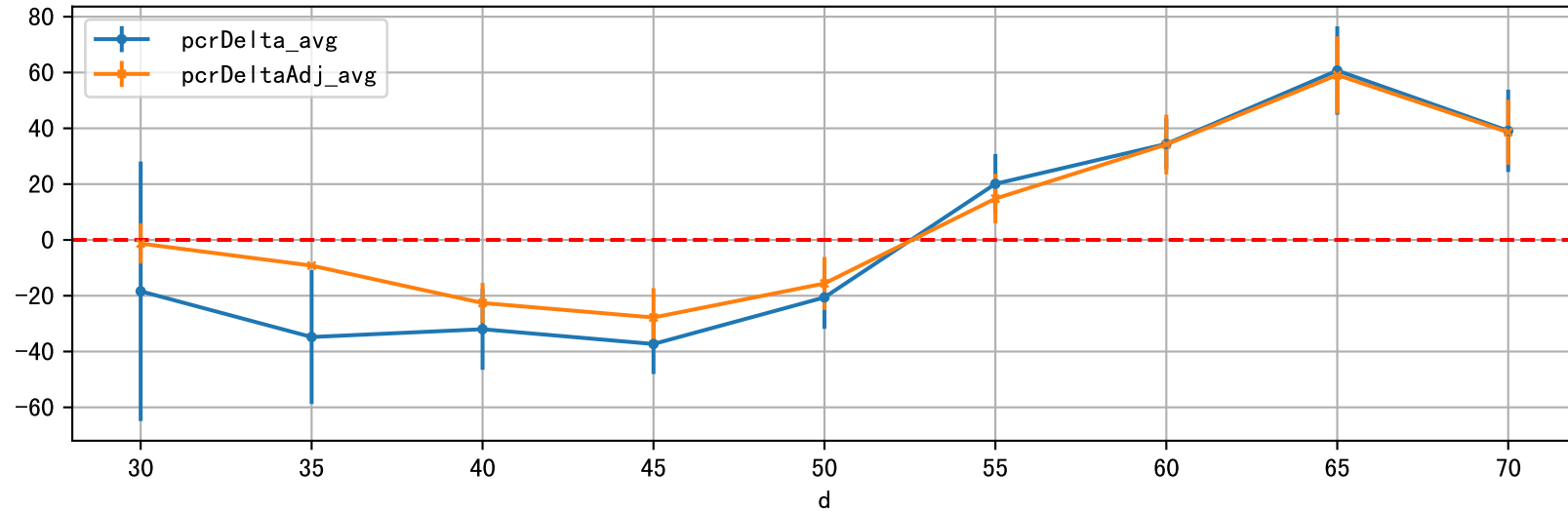


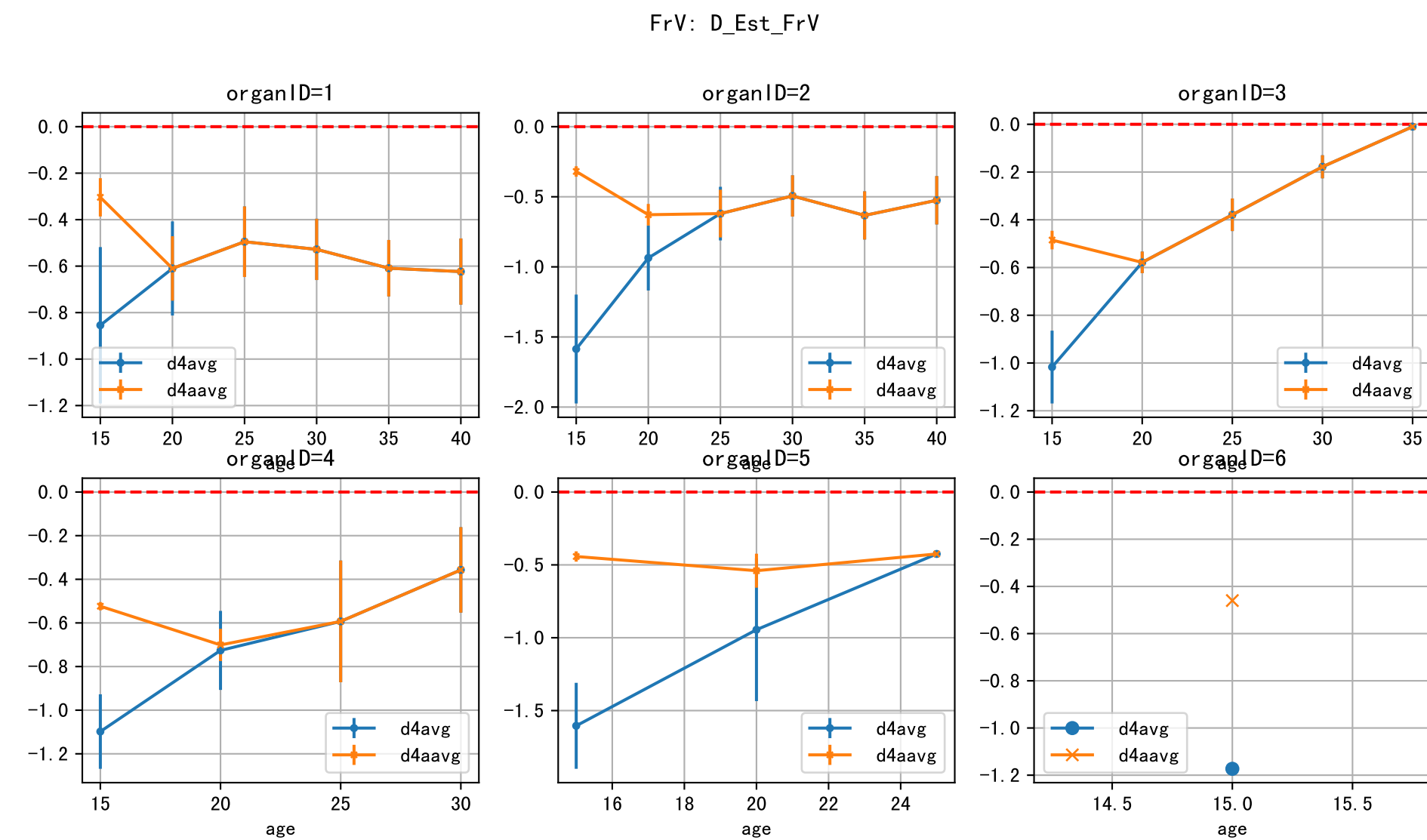
P6AE FrV: D_Ts_FrV



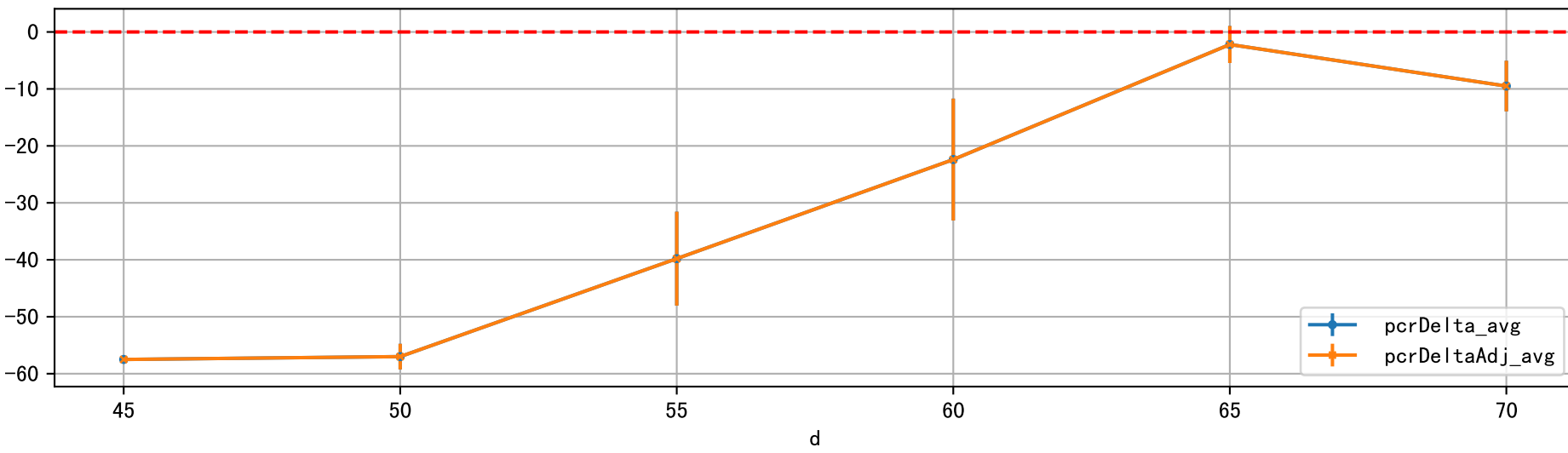


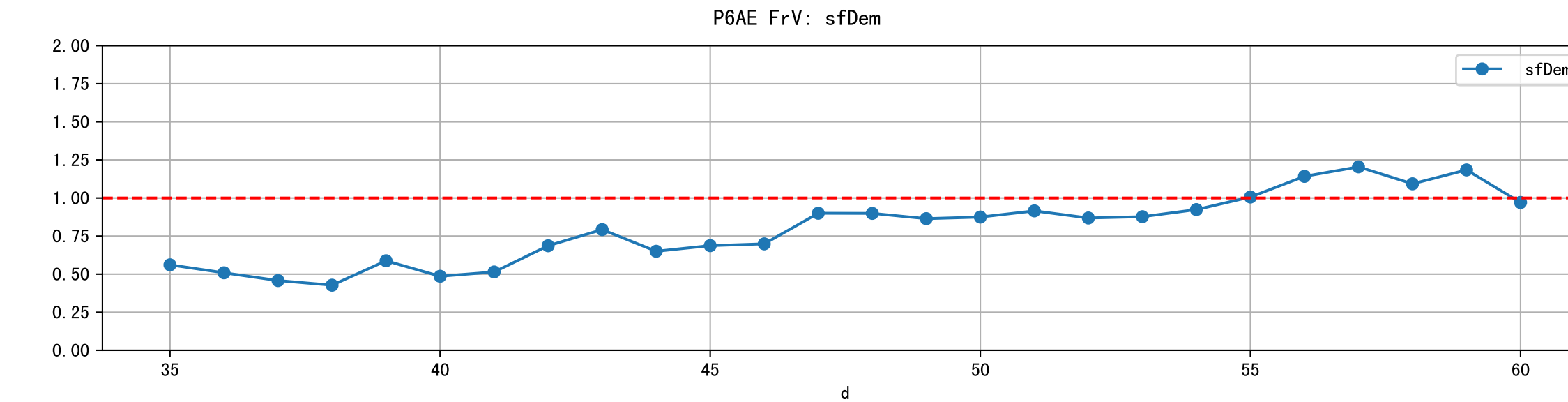
P6AE FrV: D_Q50_FrV





P6AE FrV: D_Est_FrV





24

36

40

42.

46

40 ·

52

54

58 .

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64 .

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70 .

9

