

Phenotype Data Analysis Plots

PhenoData day range = 5 – 66

Analysis cutoff day = 66

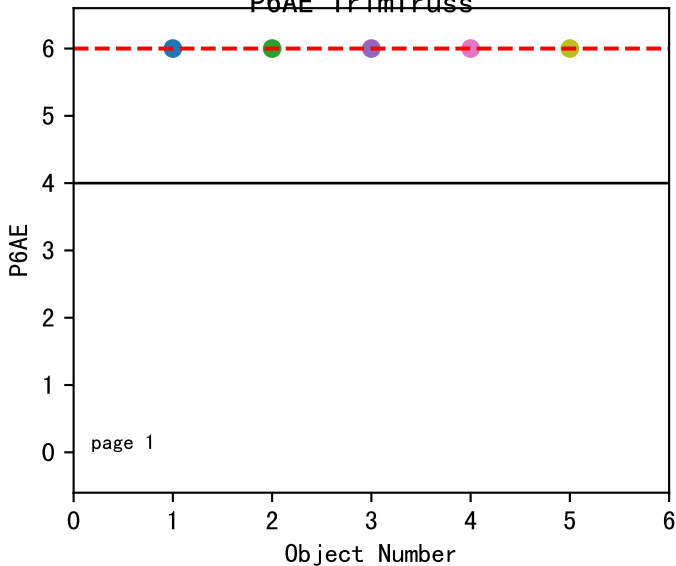
NC11 P6

2025-06-11 (Day 67)

TrussNodeMaxPerStem (Def=4.0 Set=6)

avg1=6.0~0% avg2=na

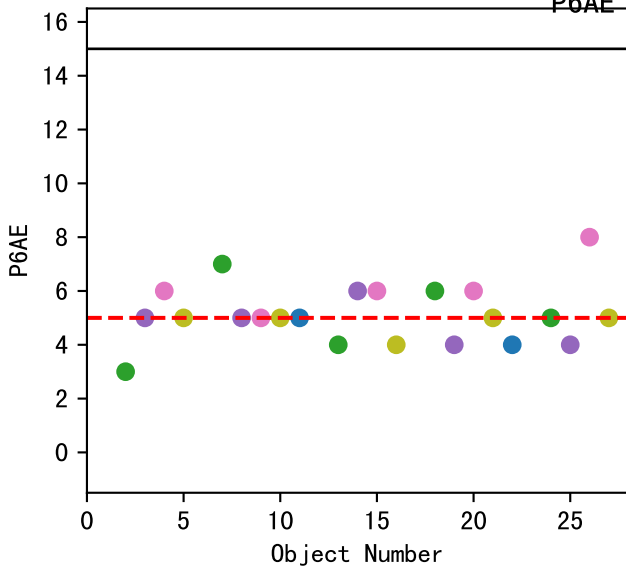
P6AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

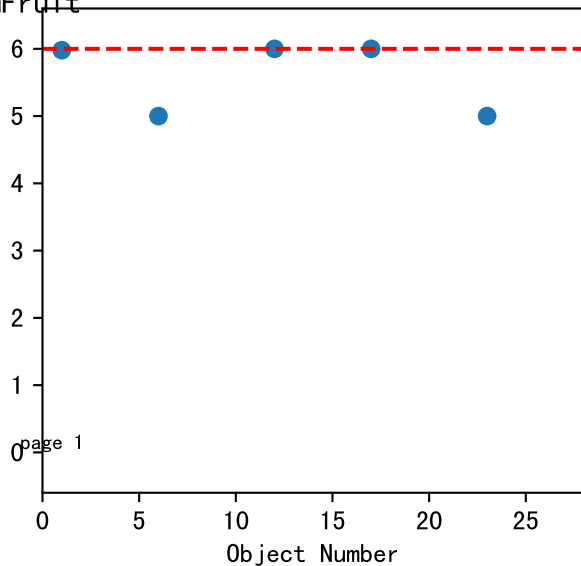
avg1=5.0~23% avg2=na

P6AE TrimFruit

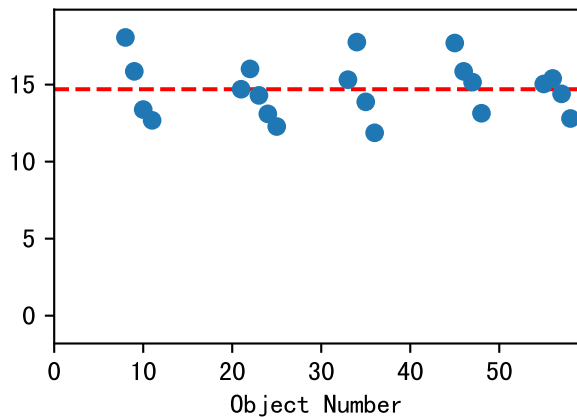


FruitNumMaxPerTruss (Def=na Set=6)

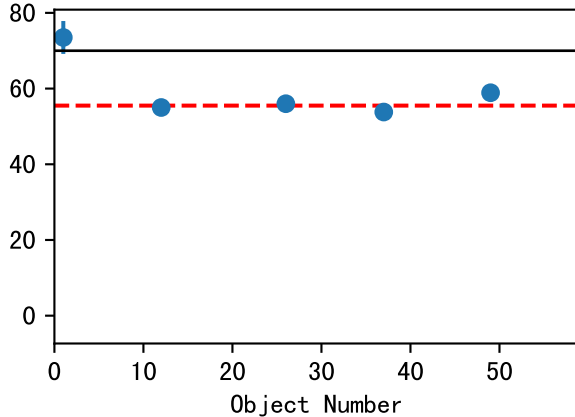
avg1=6.0~9% avg2=na



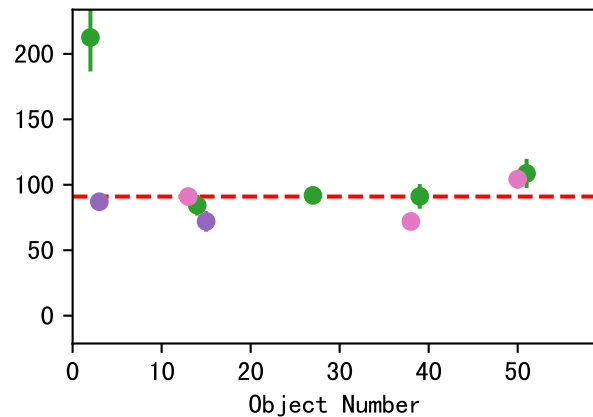
NdD_avgAbsY (Def=na Set=14.7)
avg1=14.7~12% avg2=na



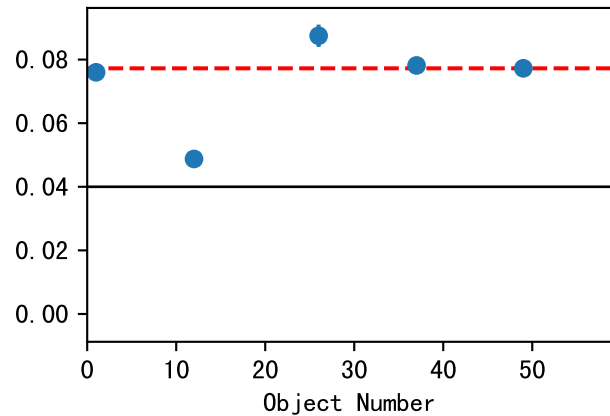
FrD_Q90AbsY (Def=70 Set=55.5)
avg1=55.5~4% avg2=na



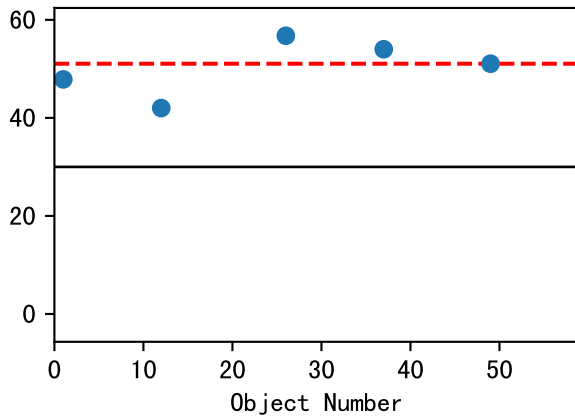
FrV_avgAbsY (Def=na Set=91.01)
avg1=91.01~14% avg2=na



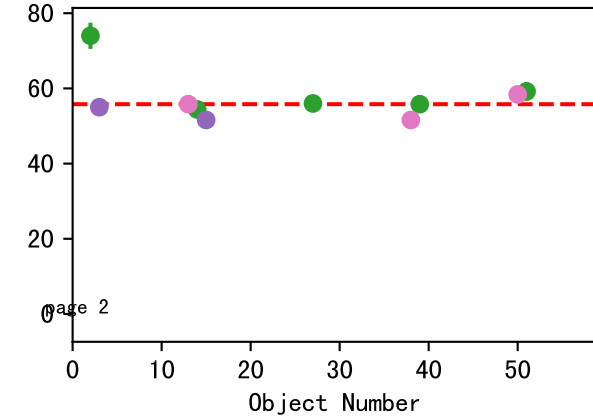
LfA_Q90AbsY (Def=0.04 Set=0.08)
avg1=0.08~1% avg2=na



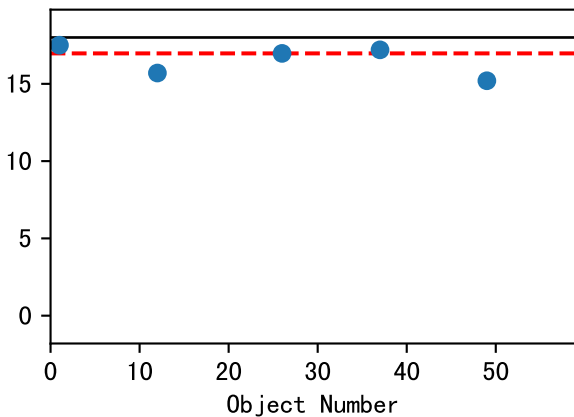
LfW_Q90AbsY (Def=30 Set=51.05)
avg1=51.05~11% avg2=na



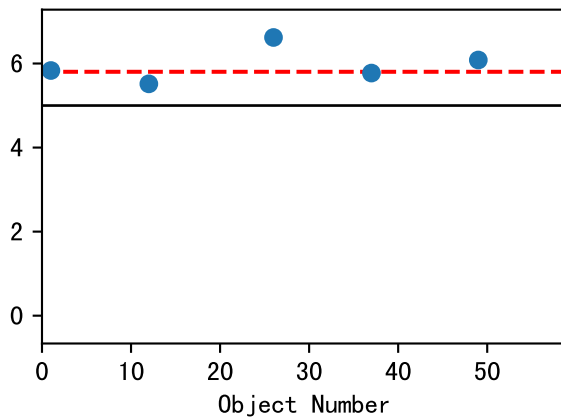
FrD_avgAbsY (Def=na Set=55.8)
avg1=55.8~5% avg2=na



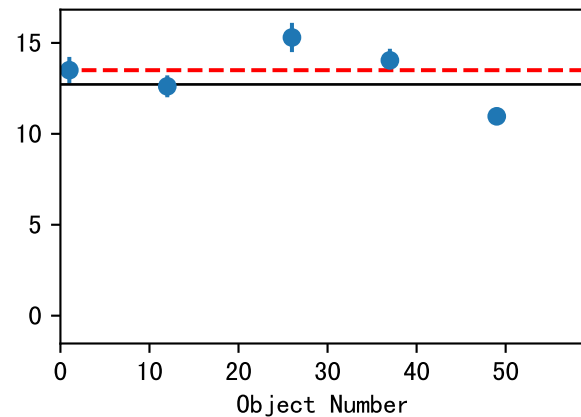
NdD_Q90AbsY (Def=18 Set=16.97)
avg1=16.97~6% avg2=na



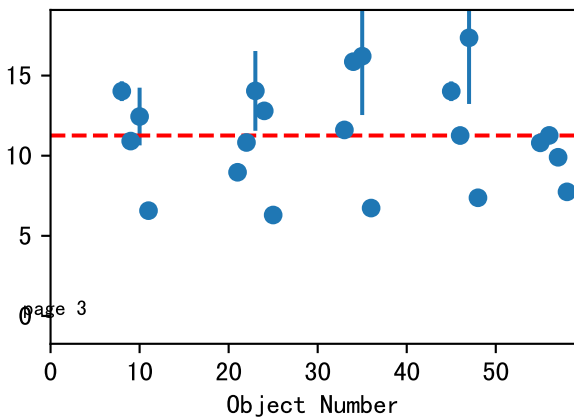
NdL_Q90AbsY (Def=5 Set=5.8)
avg1=5.8~4% avg2=na



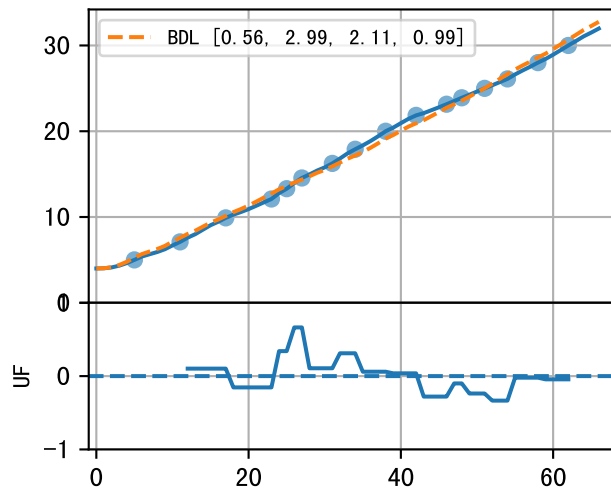
NdV_Q90AbsY (Def=12.72 Set=13.5)
avg1=13.5~12% avg2=na



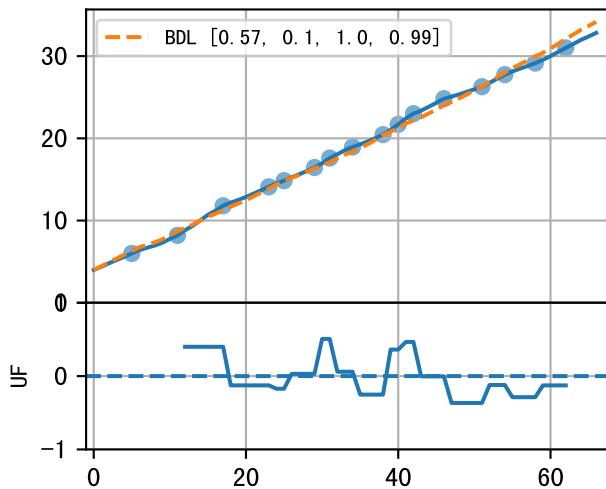
NdV_avgAbsY (Def=na Set=11.26)
avg1=11.26~29% avg2=na



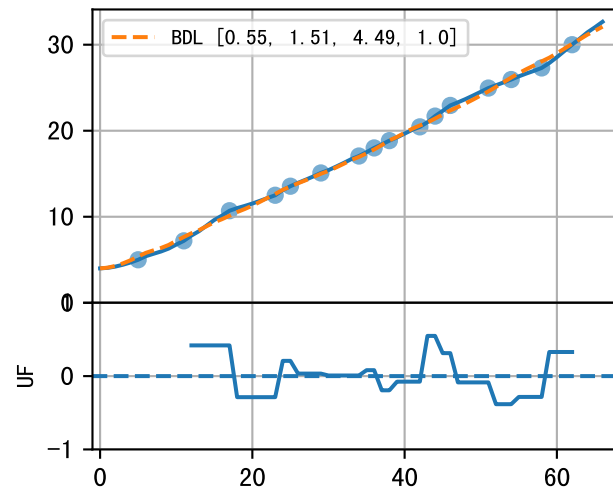
P6AE-007-10 (fit failed)



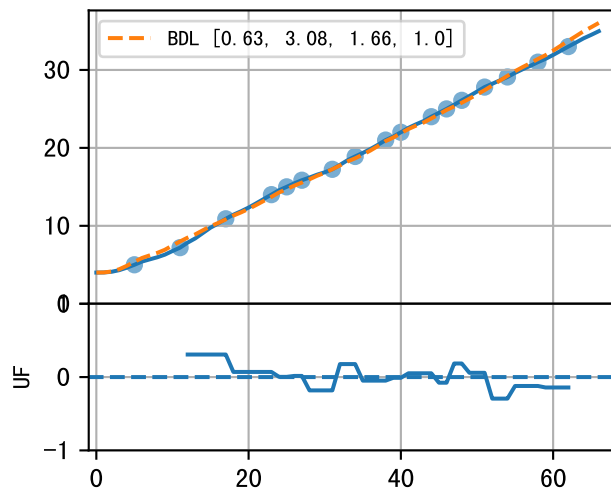
P6AE-014-10 (fit failed)



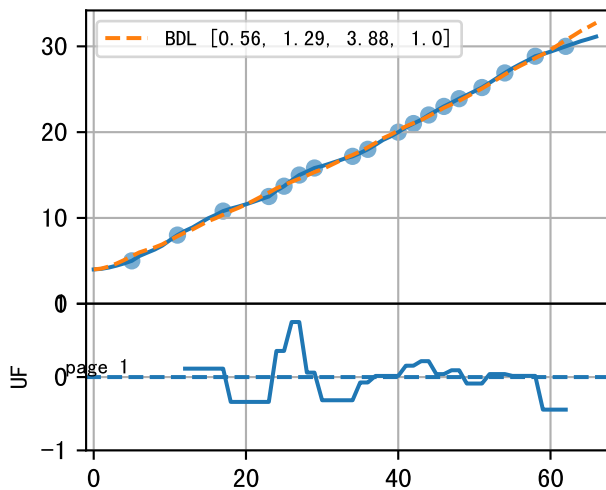
P6AE-026-25 (fit failed)



P6AE-033-4 (fit failed)



P6AE-045-12 (fit failed)



P6AEavg (fit failed)

NdN

BDL [0.57, 1.99, 1.72, 1.0]

UF

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30

20

10

0

0

-1

0

10

20

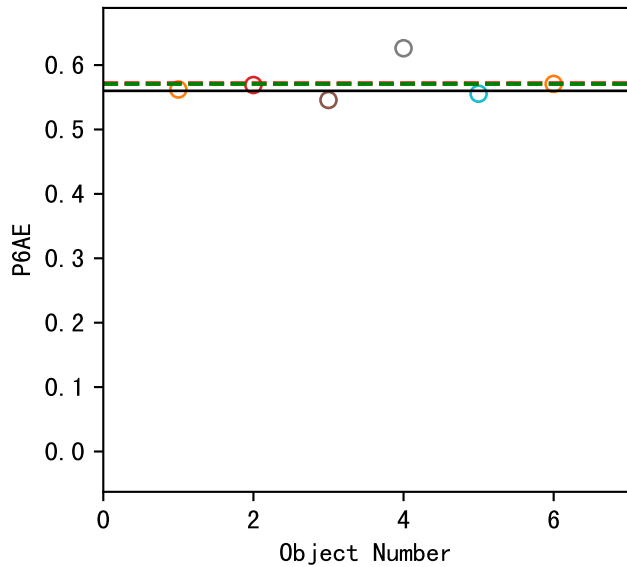
30

40

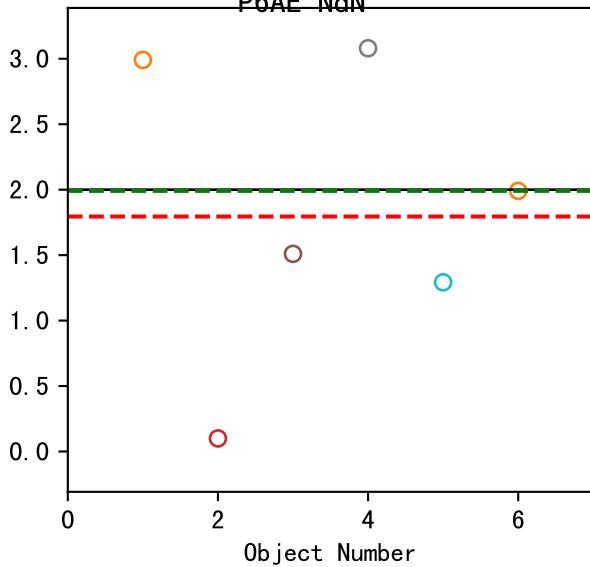
50

60

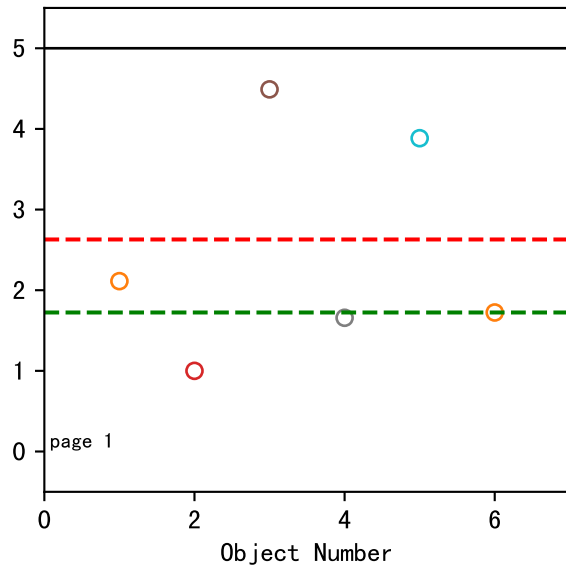
a (Def=0.56 Set=0.57)
avg1=0.57(fail) avg2=0.57



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



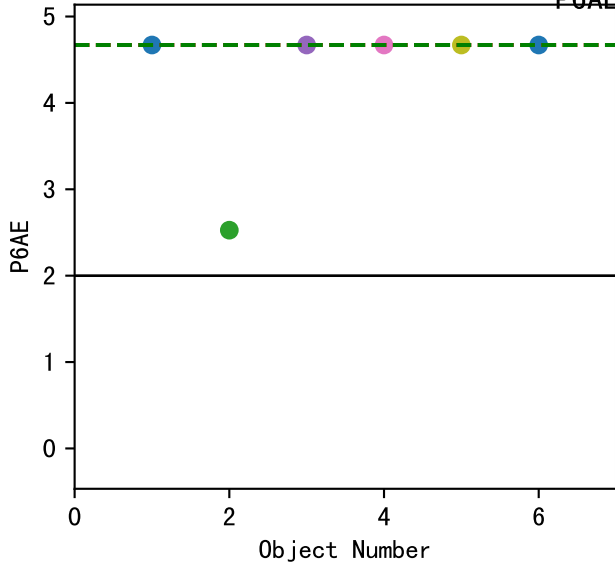
de (Def=5 Set=1.72)
avg1=2.63(fail) avg2=1.72



InitDev_dm (Def=2 Set=4.67)

avg1=4.67~0% avg2=4.67

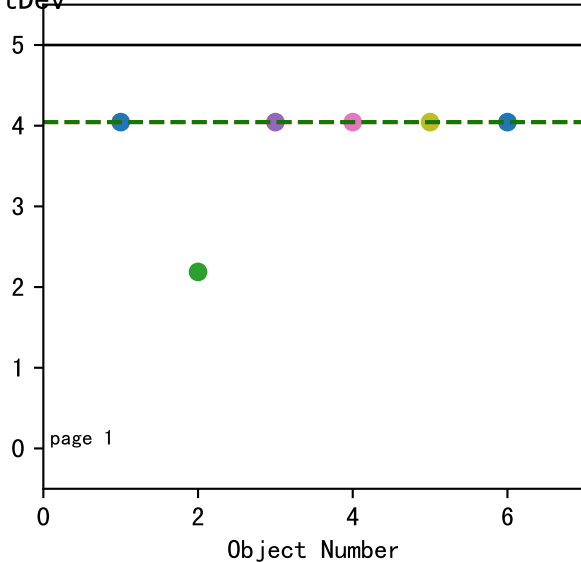
P6AE



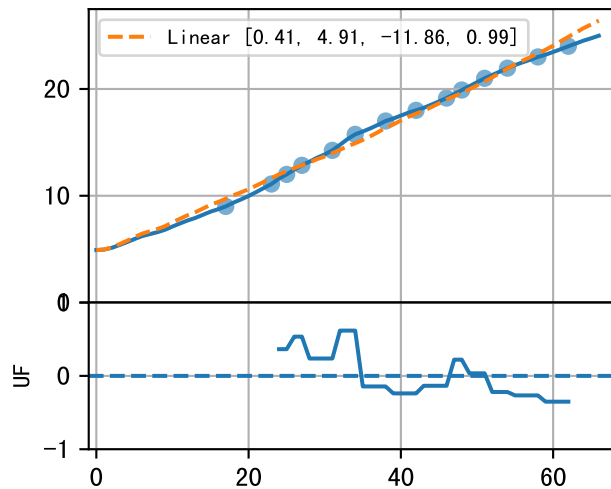
InitDev_de (Def=5 Set=4.04)

avg1=4.04~0% avg2=4.04

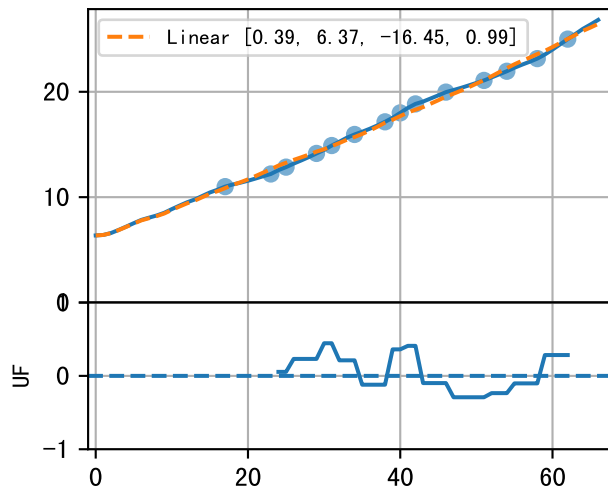
InitDev



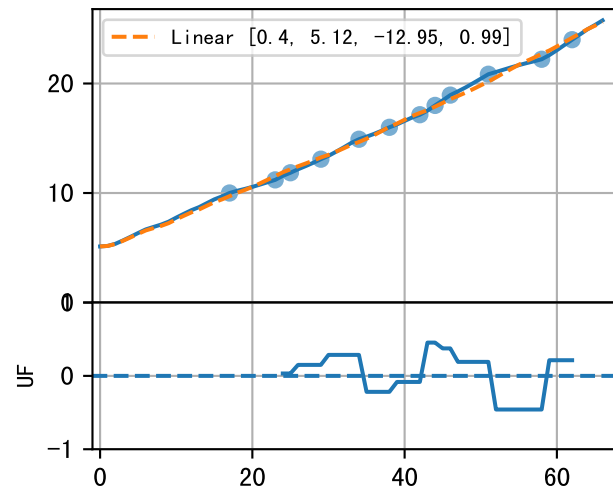
P6AE-007-10



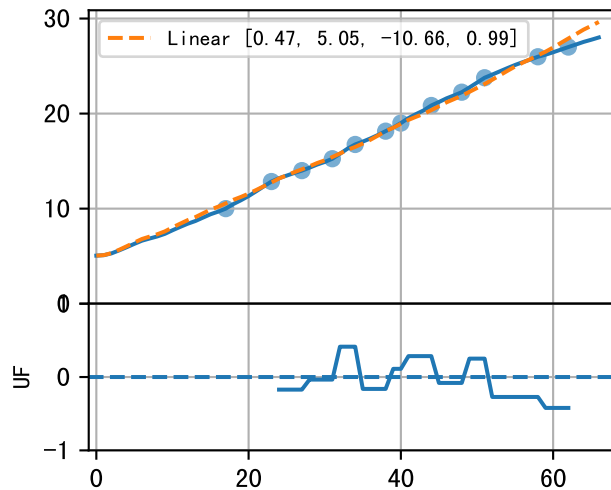
P6AE-014-17



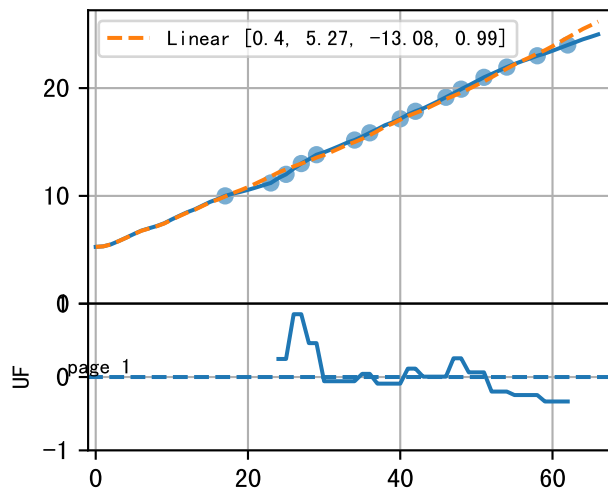
P6AE-026-25



P6AE-033-4



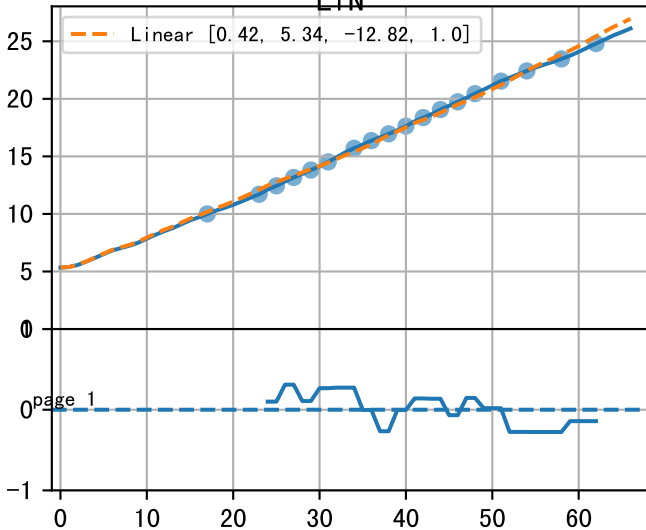
P6AE-045-12



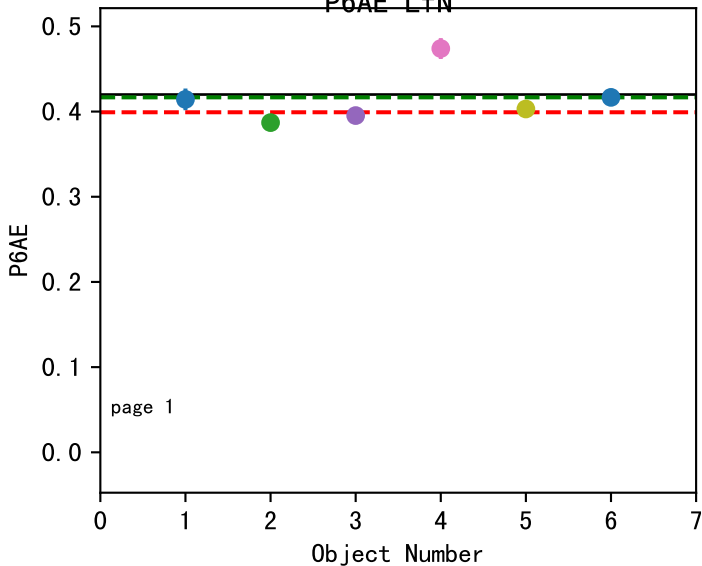
P6AEavg
Lfn

Linear [0.42, 5.34, -12.82, 1.0]

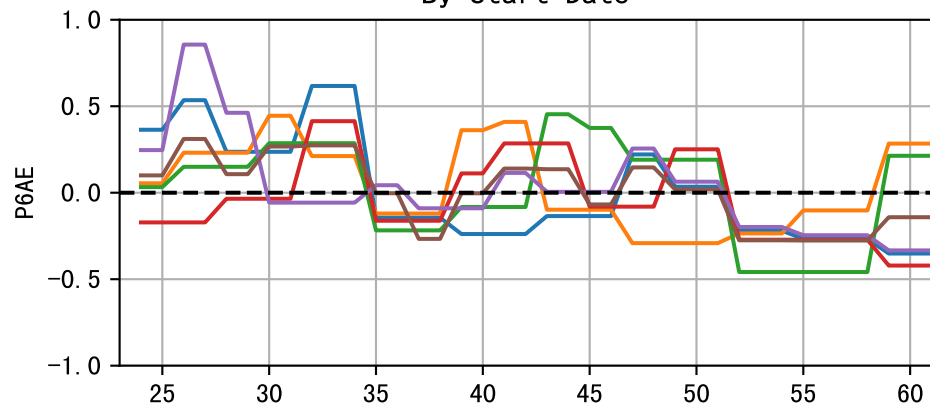
UF
page 1



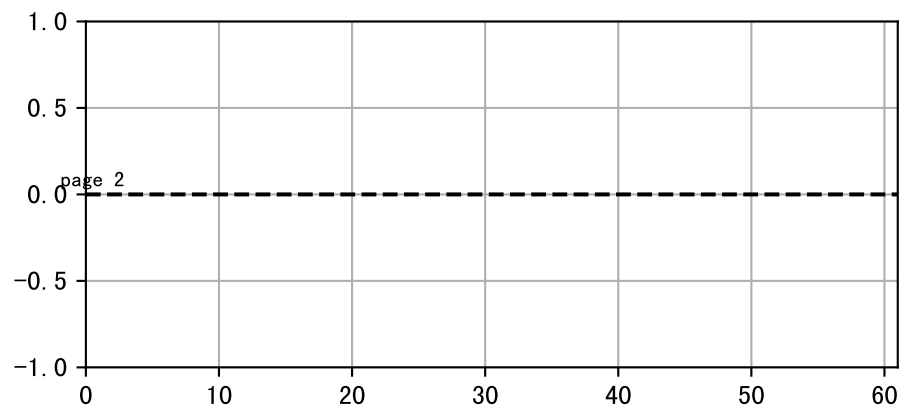
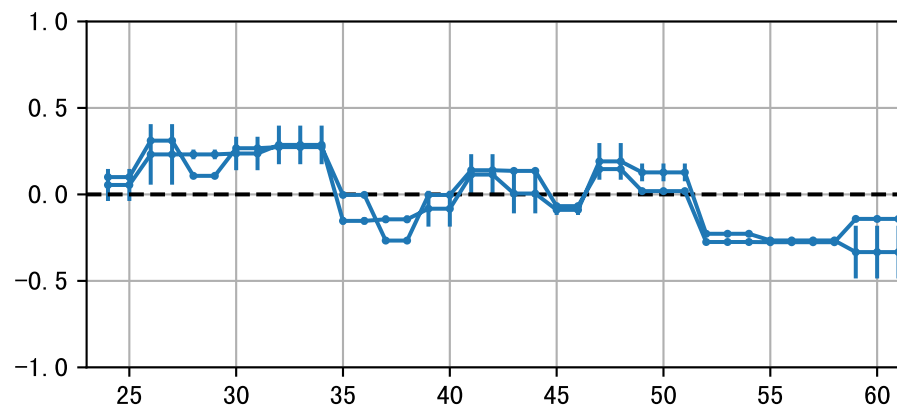
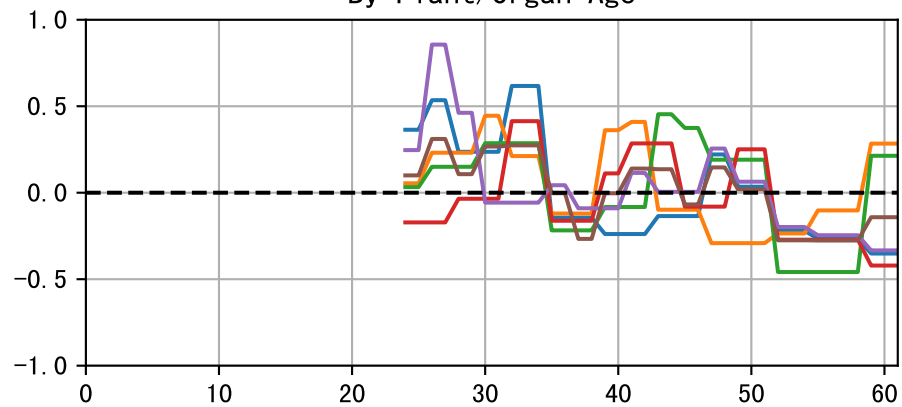
a (Def=0.42 Set=0.42)
avg1=0.4^{~3%} avg2=0.42^{~4%}
P6AE LFN



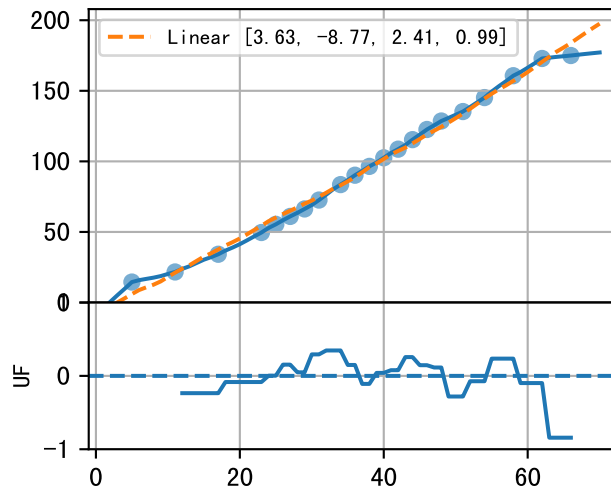
By Start Date



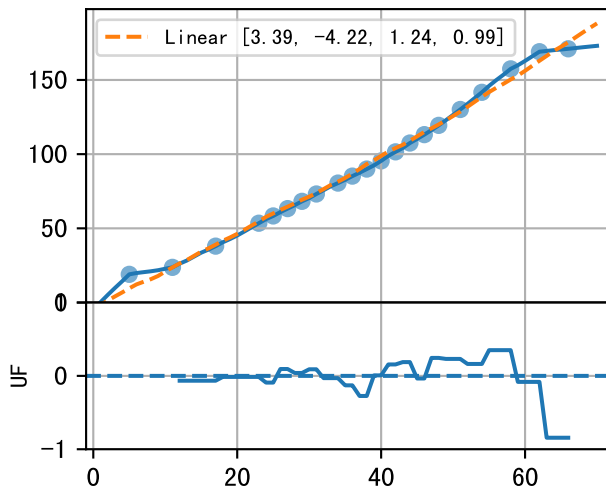
By Plant/Organ Age



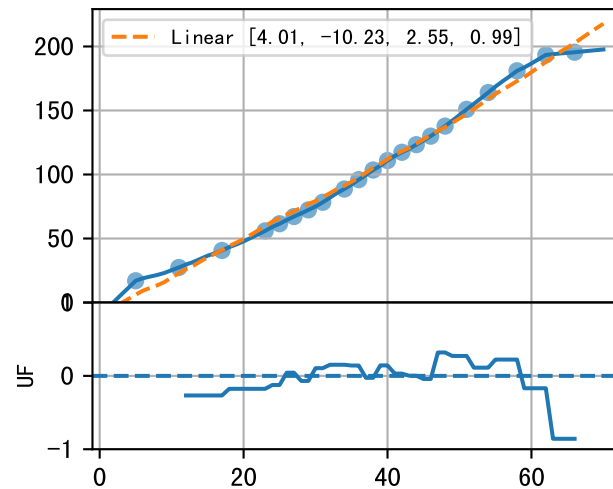
P6AE-007-10



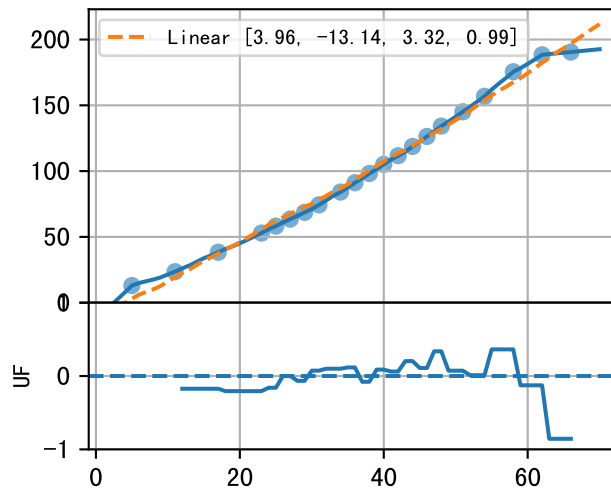
P6AE-014-17



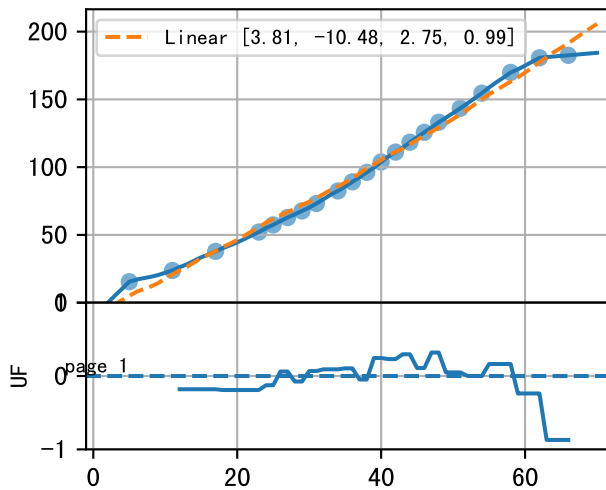
P6AE-026-25



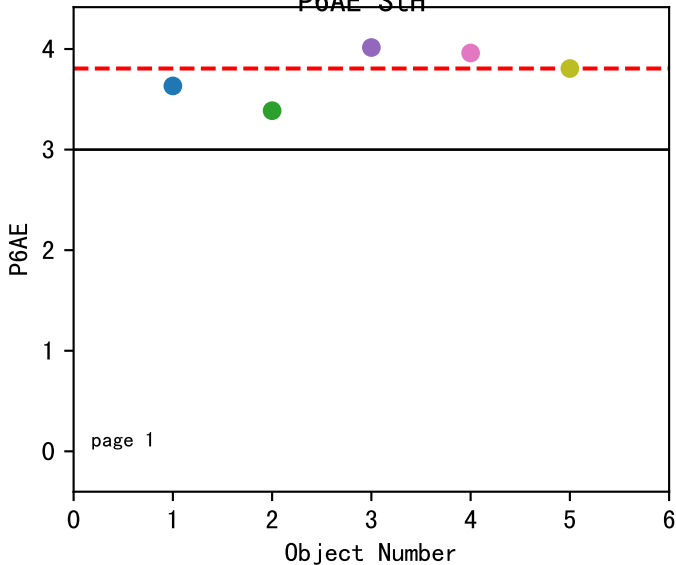
P6AE-033-4



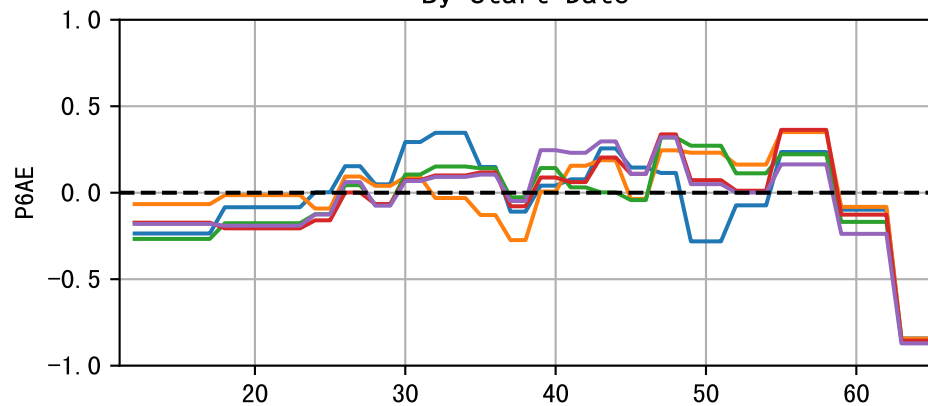
P6AE-045-12



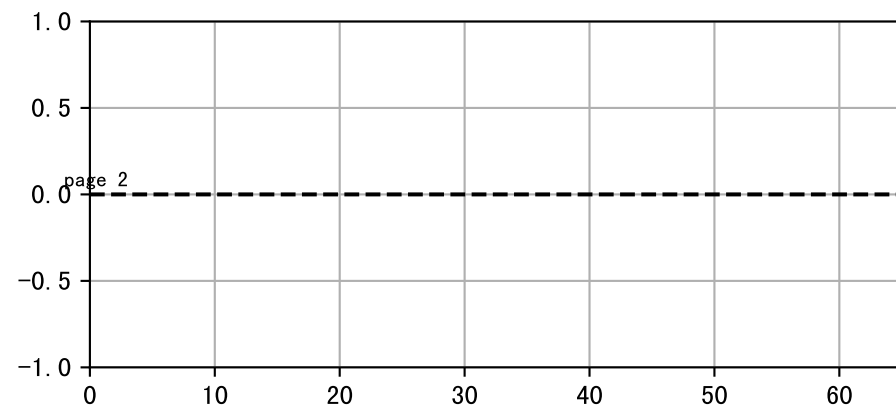
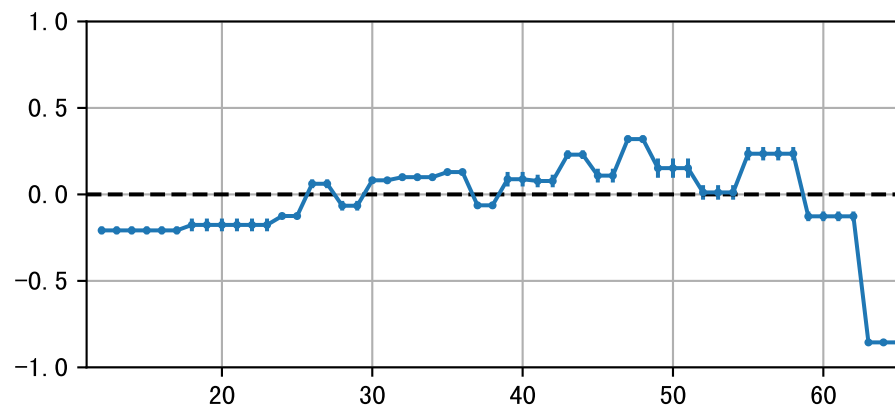
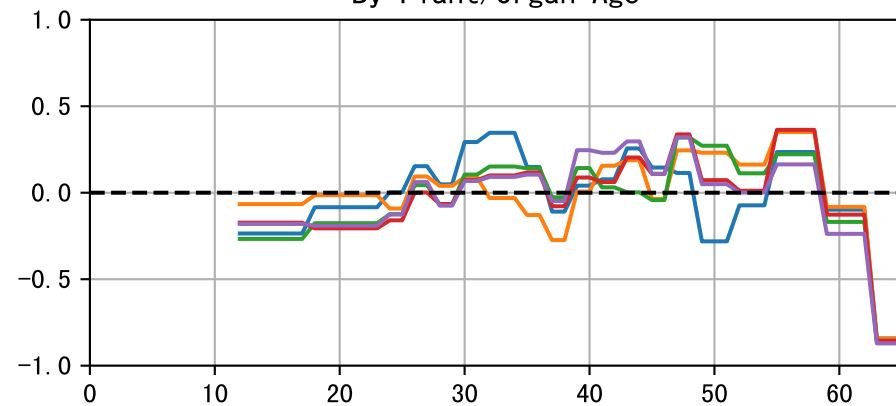
a (Def=3 Set=3.81)
avg1=3.81~7% avg2=na
P6AE StH



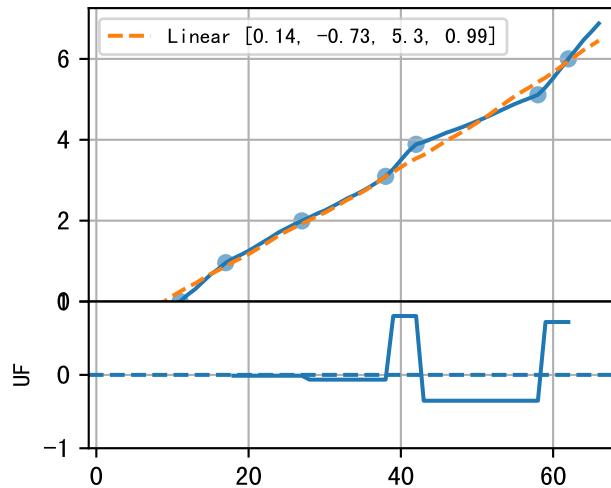
By Start Date



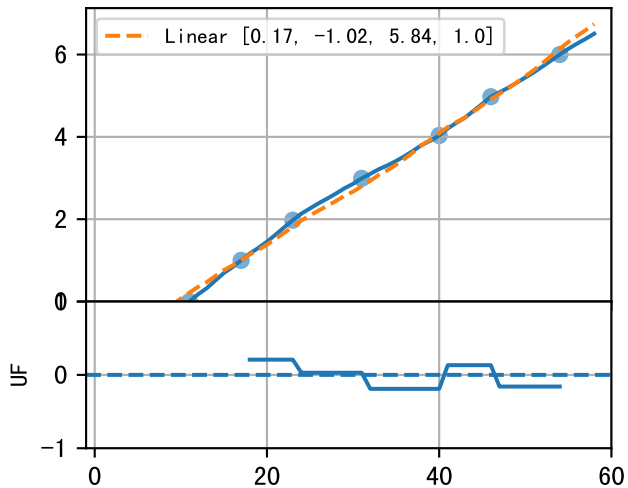
By Plant/Organ Age



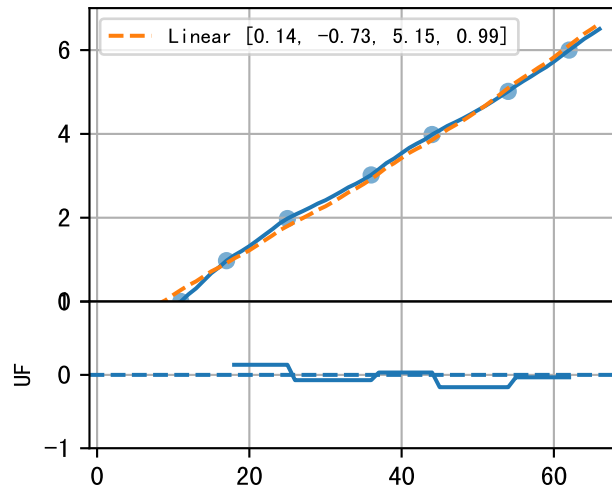
P6AE-007-10



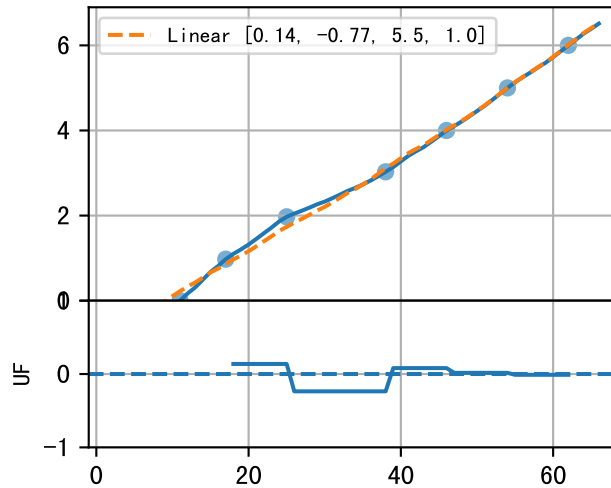
P6AE-014-17



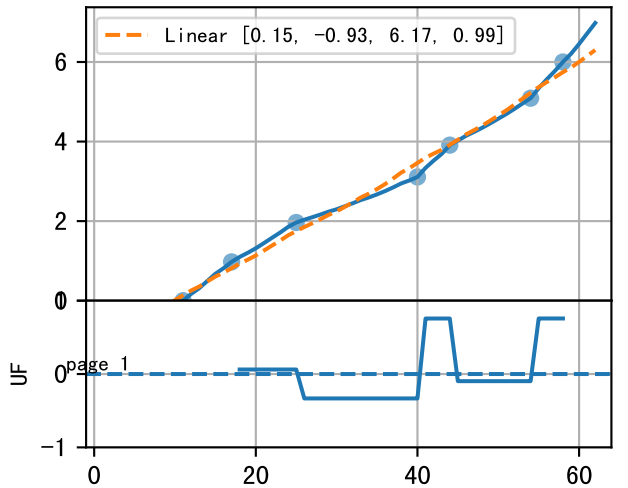
P6AE-026-25



P6AE-033-4



P6AE-045-12

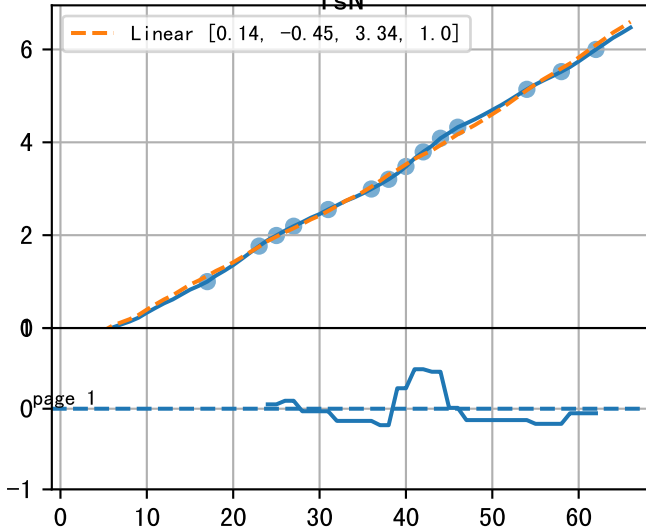


P6AEavg
IsN

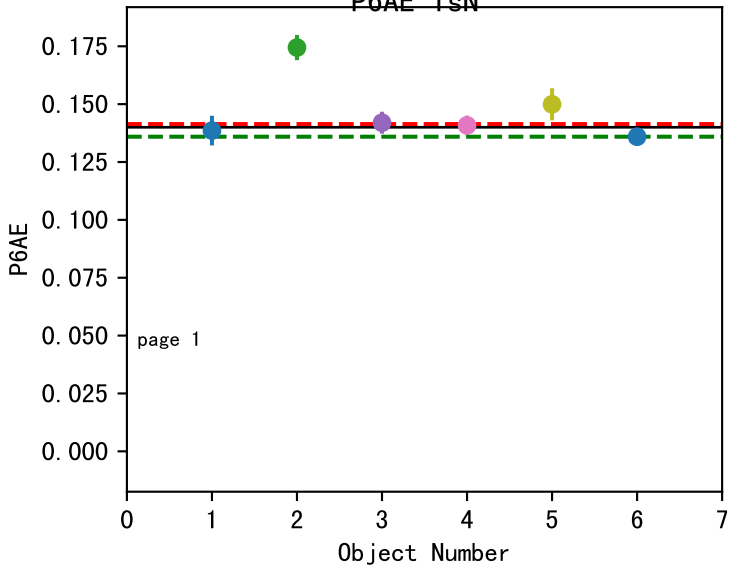
Linear [0.14, -0.45, 3.34, 1.0]

UF

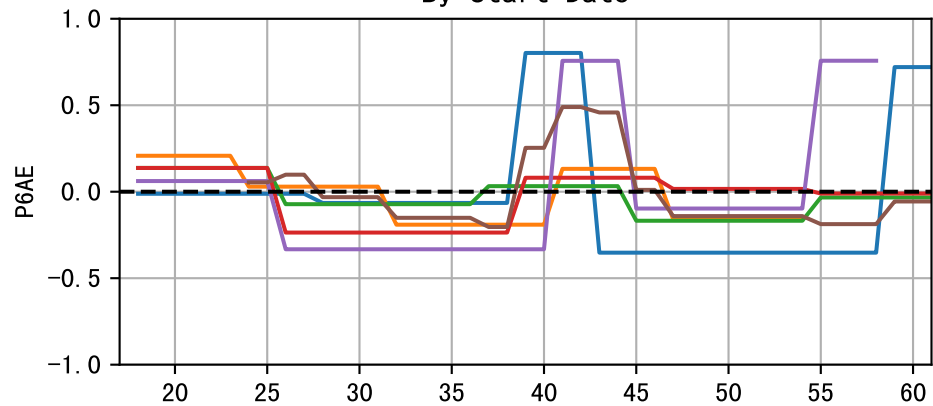
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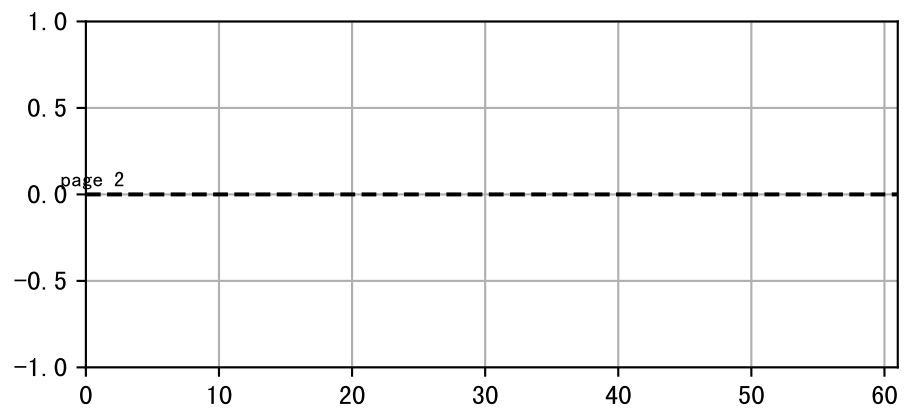
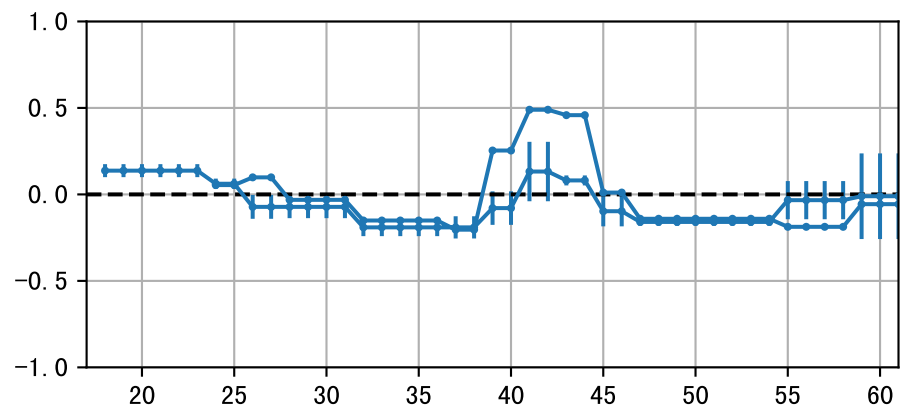
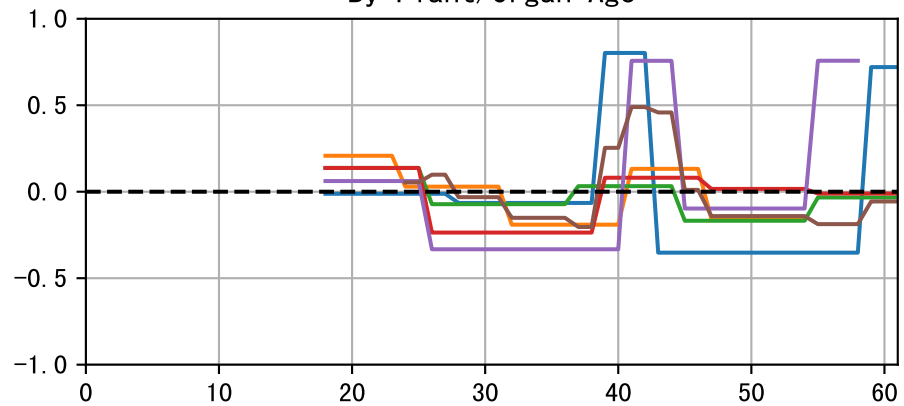
a (Def=0.14 Set=0.14)
avg1=0.14 $\sim$ 3% avg2=0.14 $\sim$ 4%
P6AE TSN

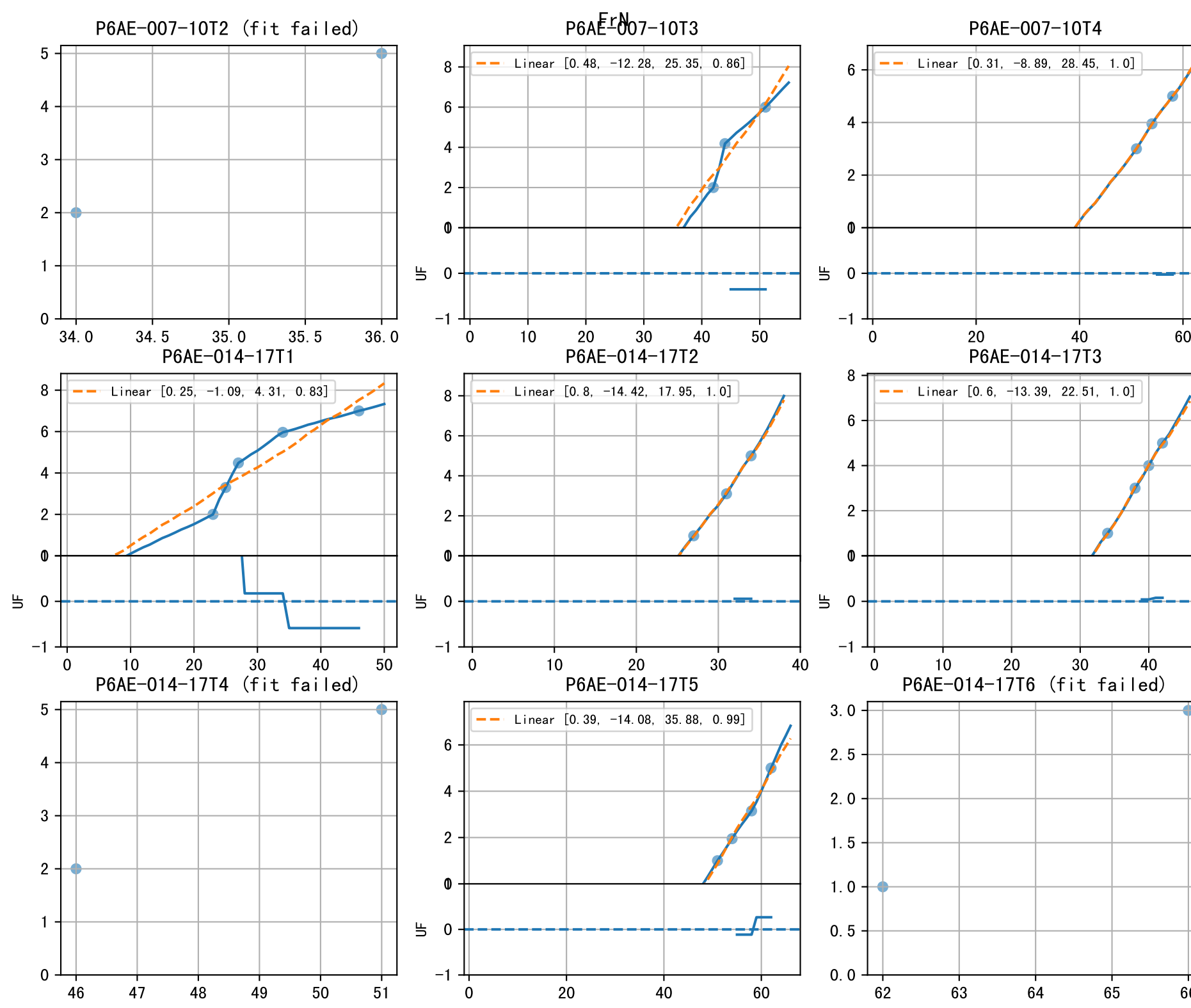


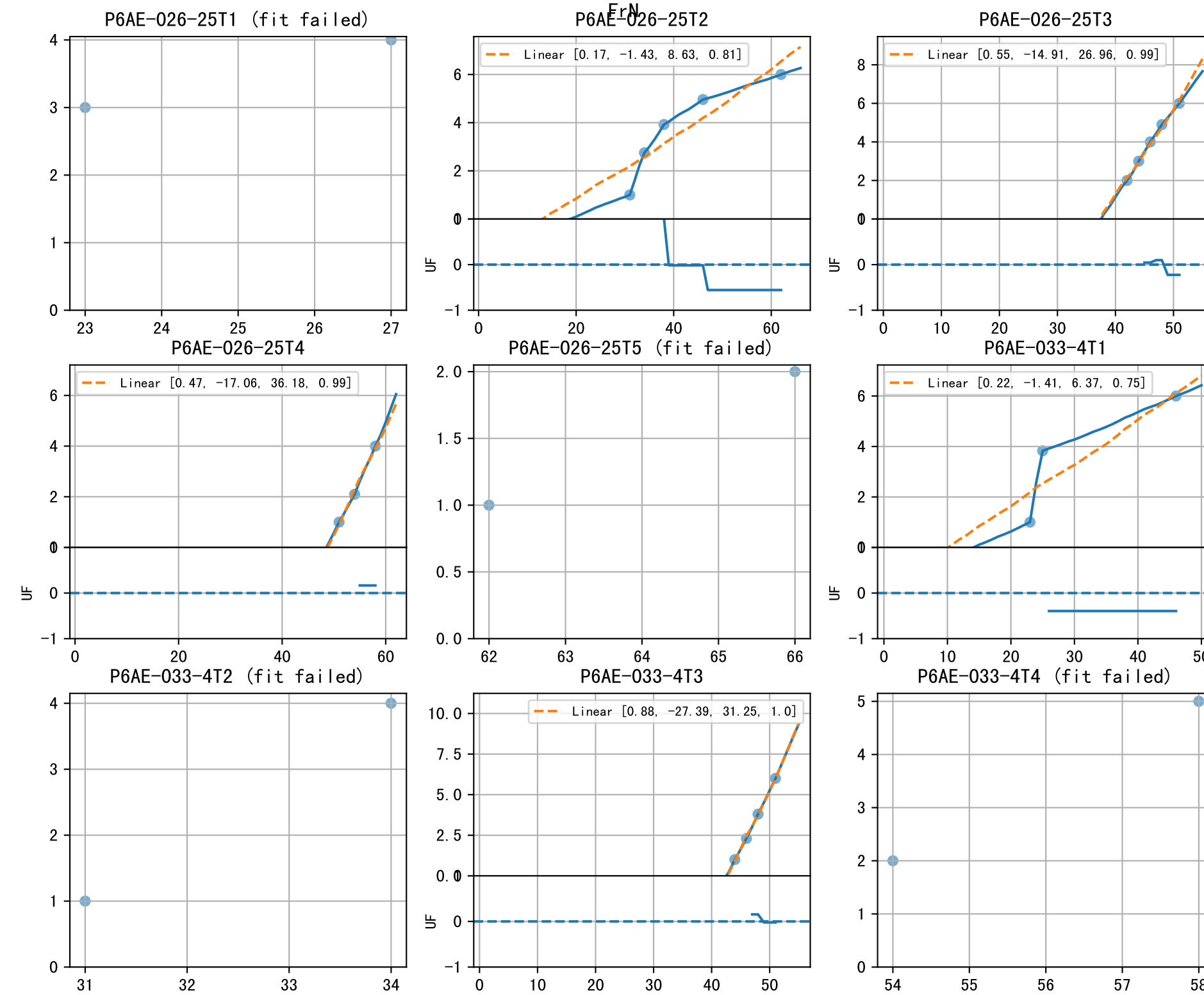
By Start Date



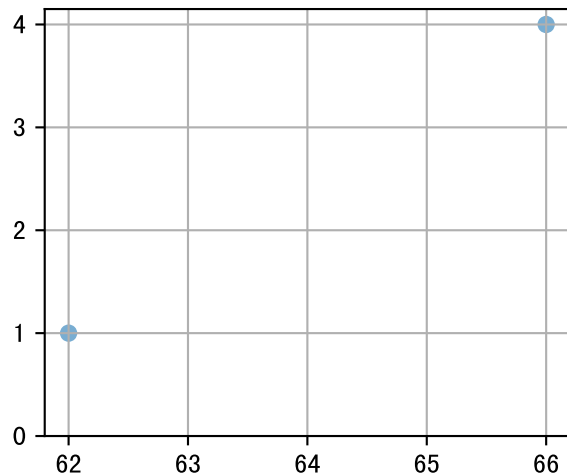
By Plant/Organ Age



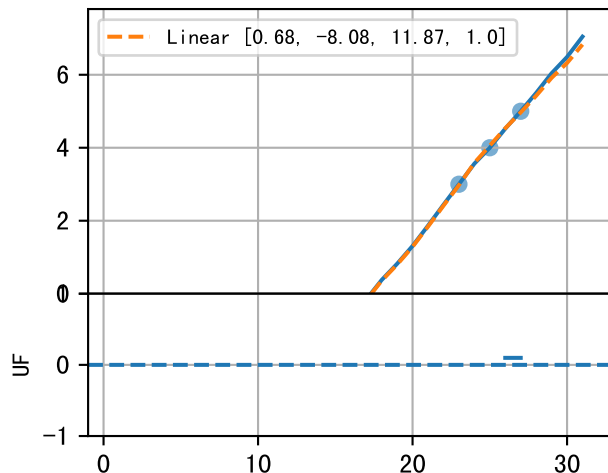




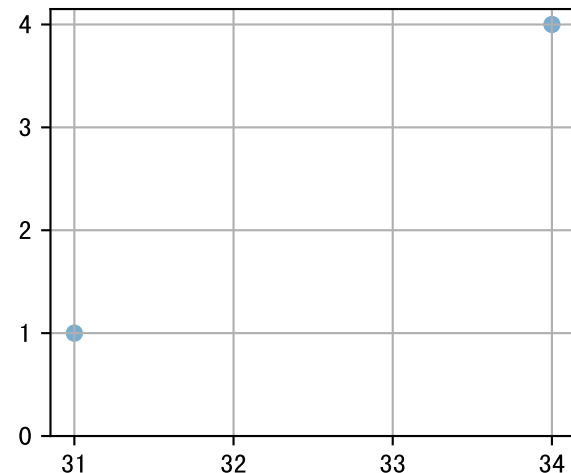
P6AE-033-4T5 (fit failed)



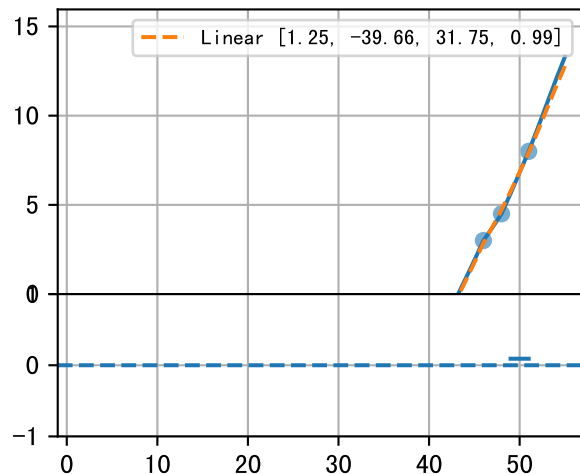
P6AE-045-12T1



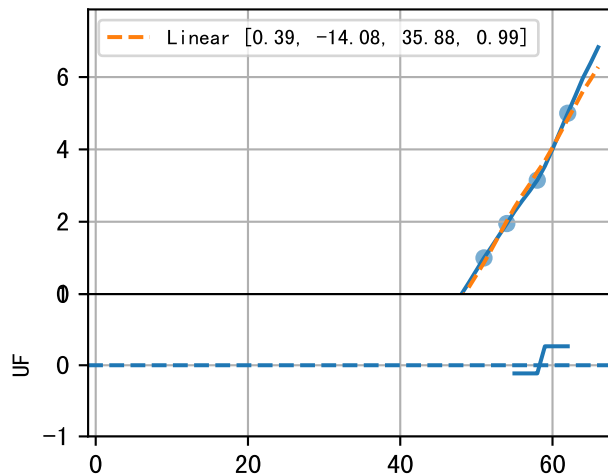
P6AE-045-12T2 (fit failed)



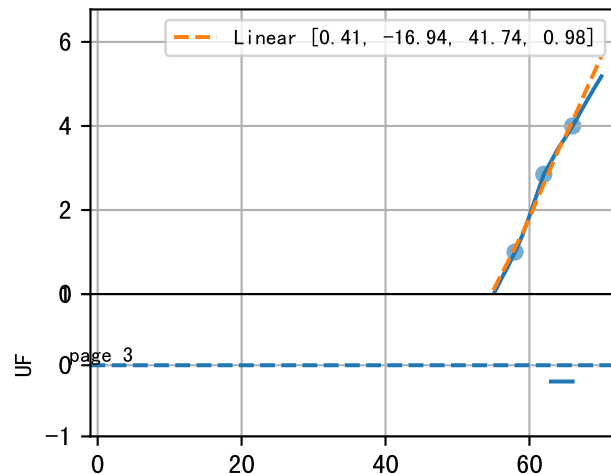
P6AE-045-12T3



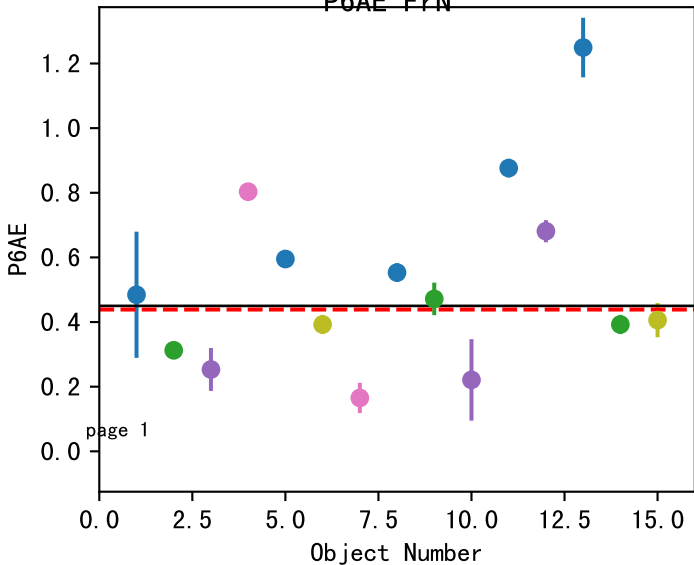
P6AE-045-12T4



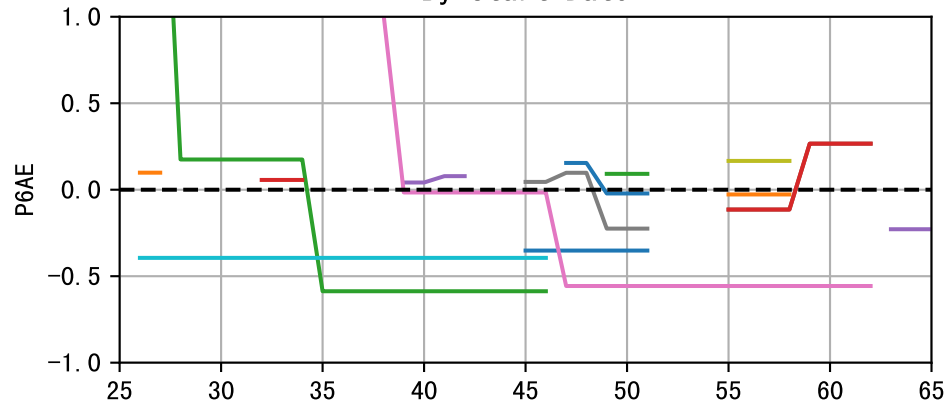
P6AE-045-12T5



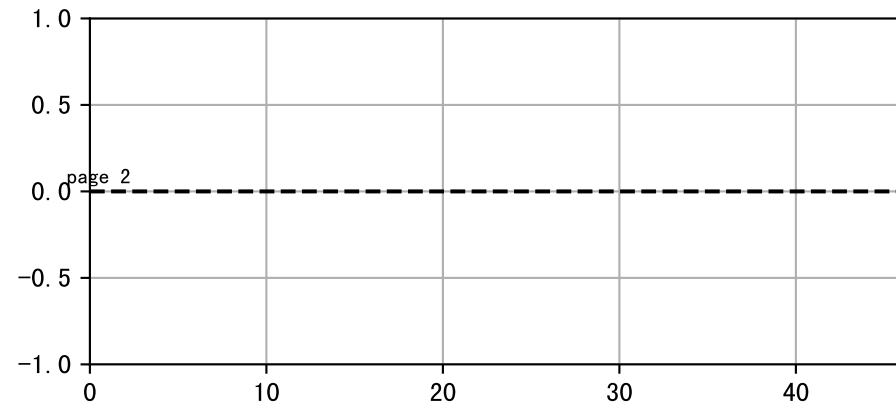
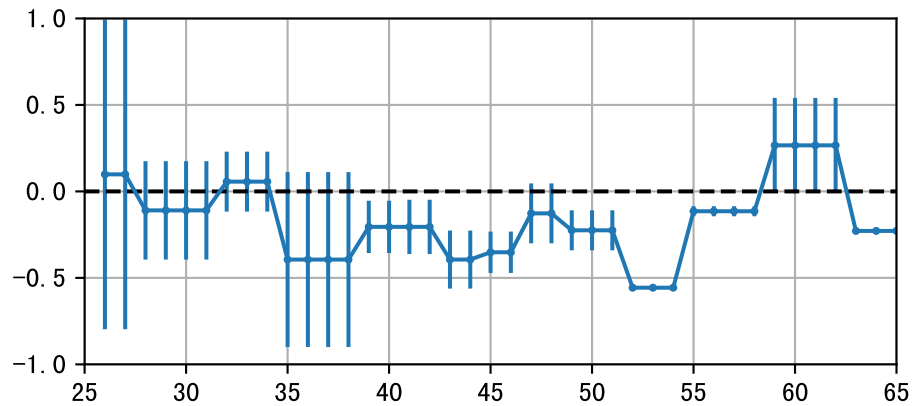
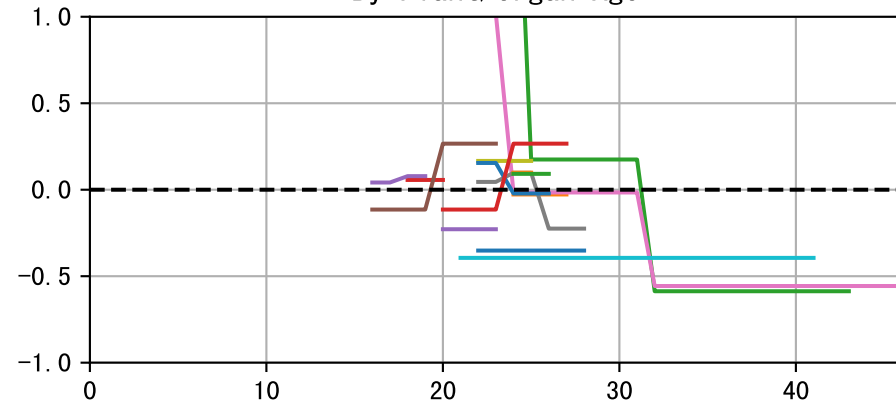
a (Def=0.45 Set=0.44)
avg1=0.44~48% avg2=na

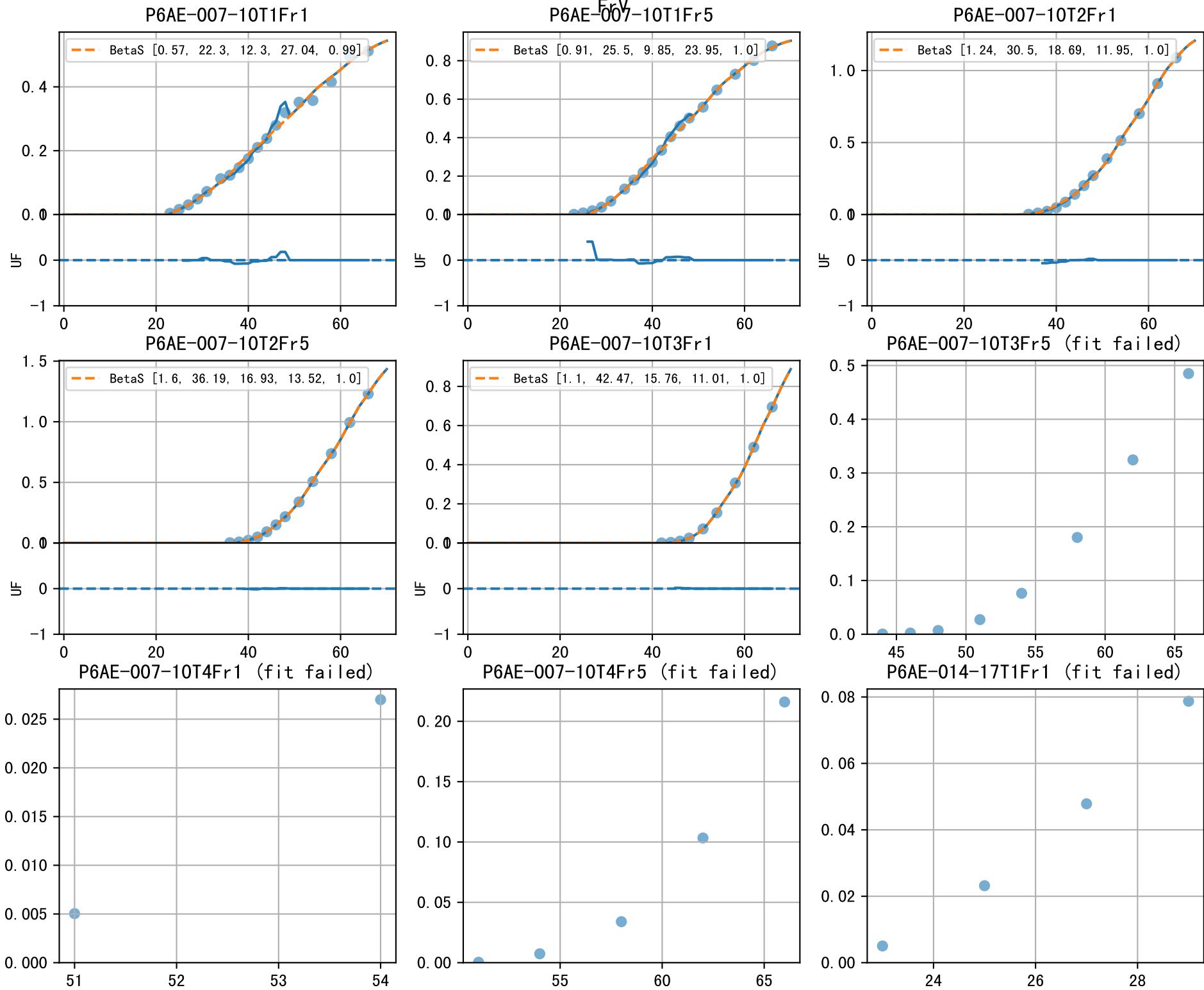


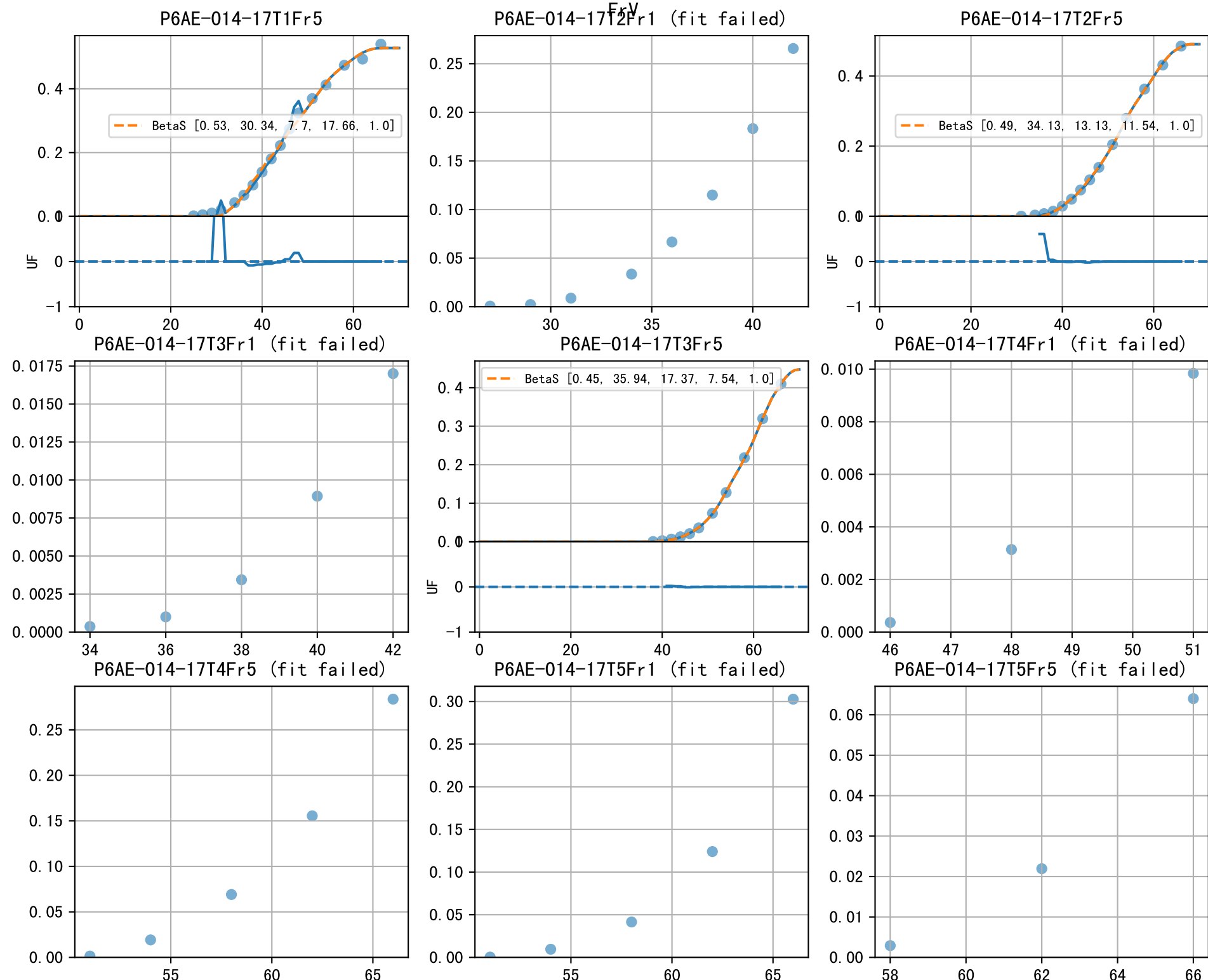
By Start Date

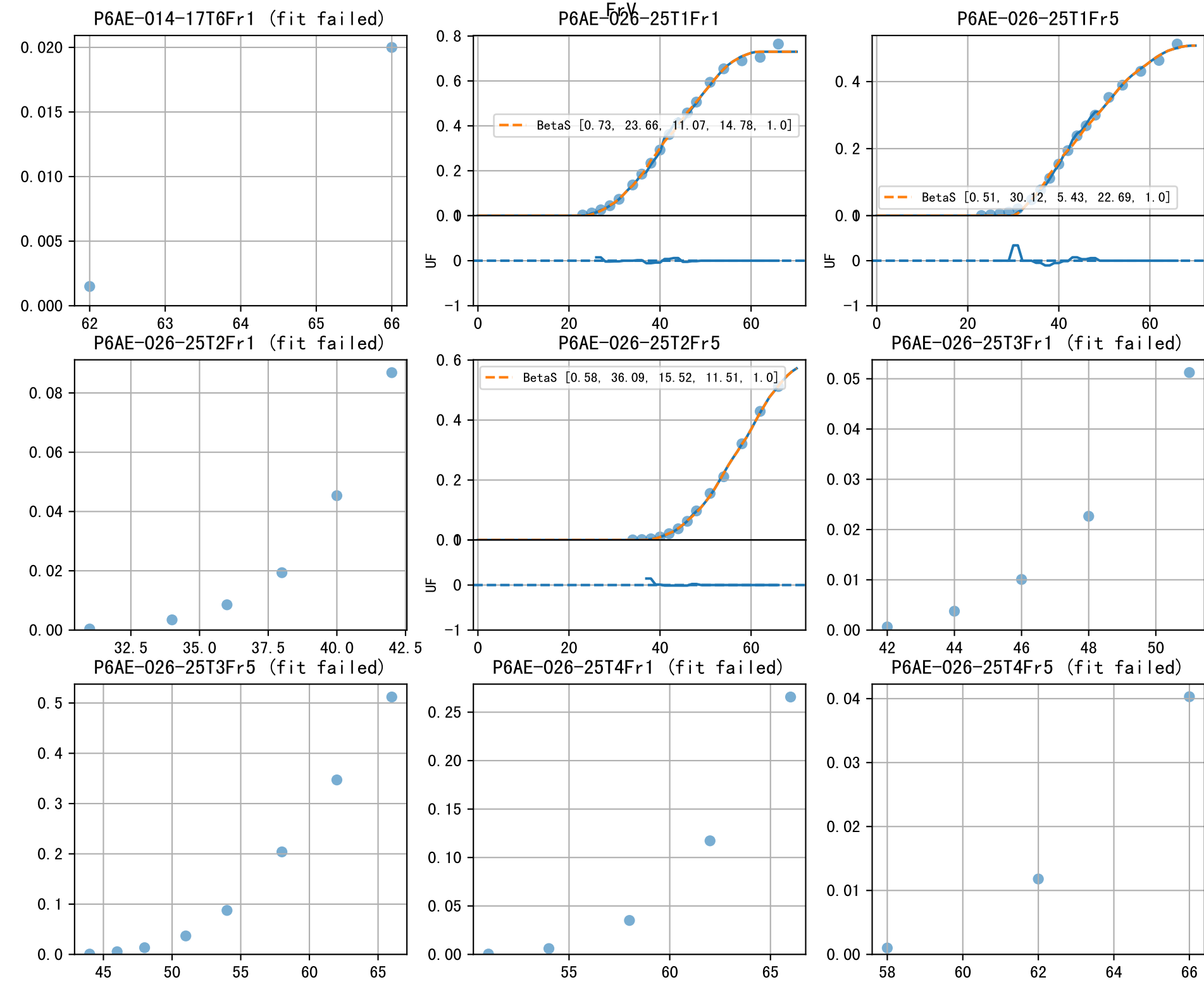


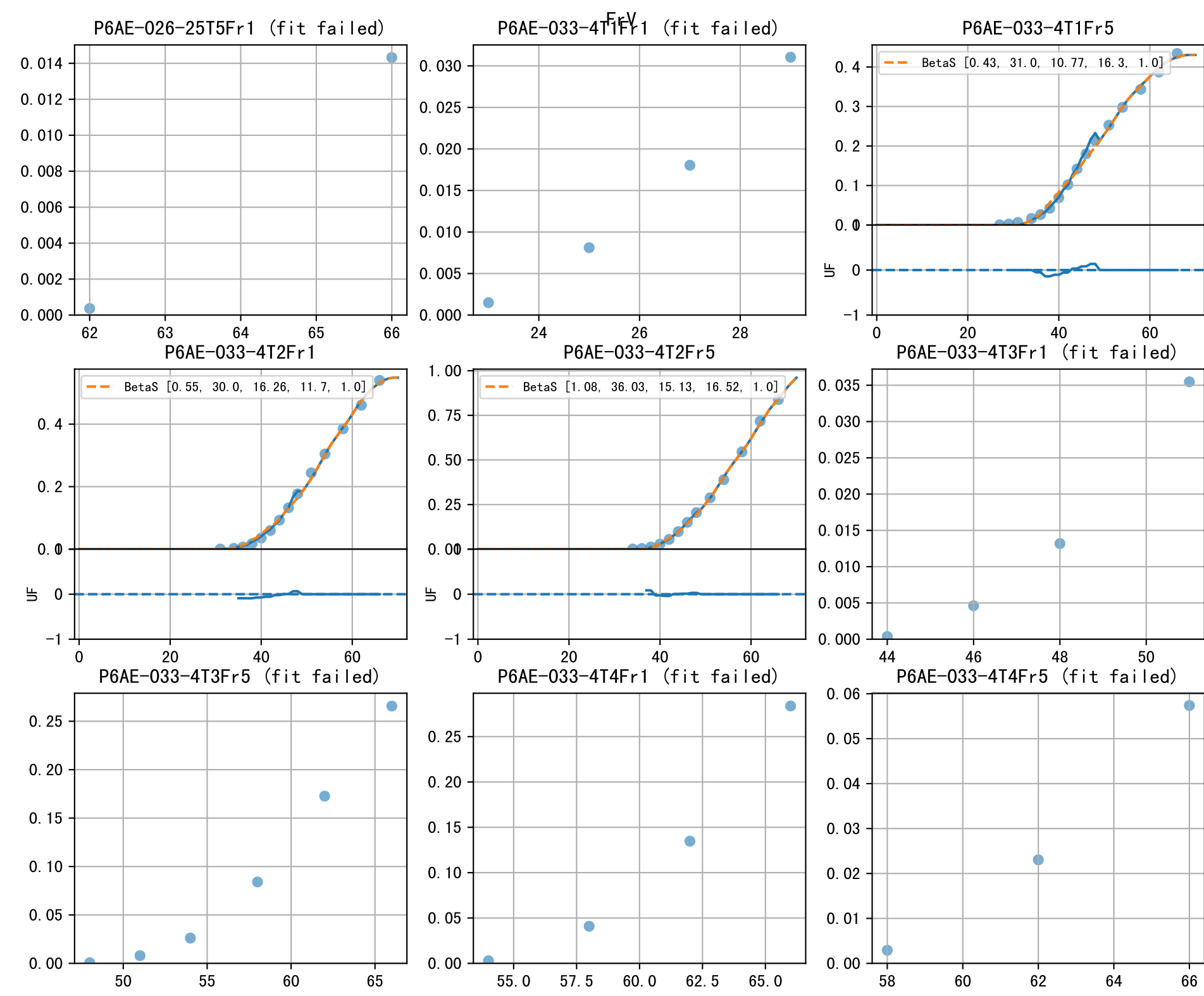
By Plant/Organ Age

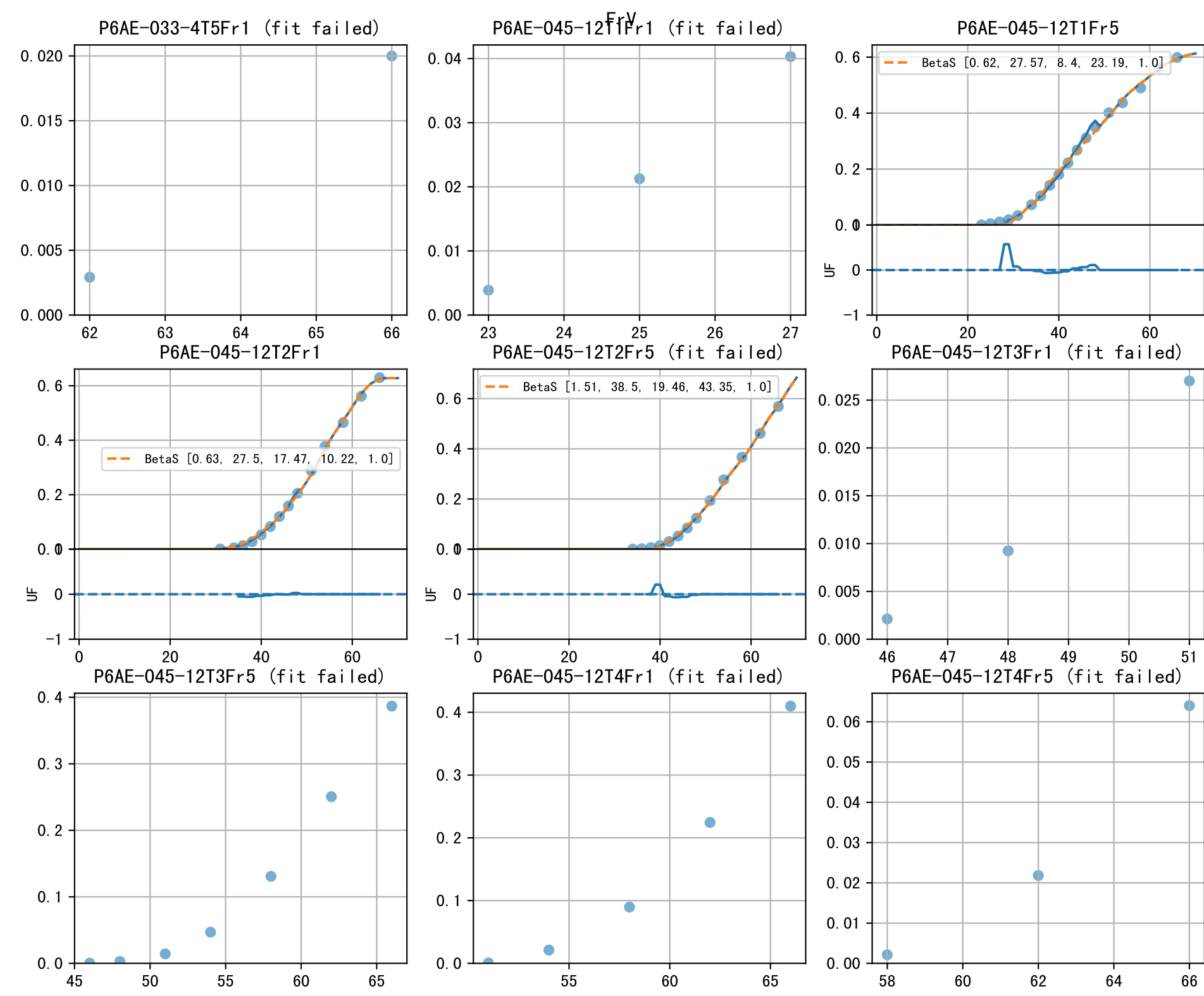


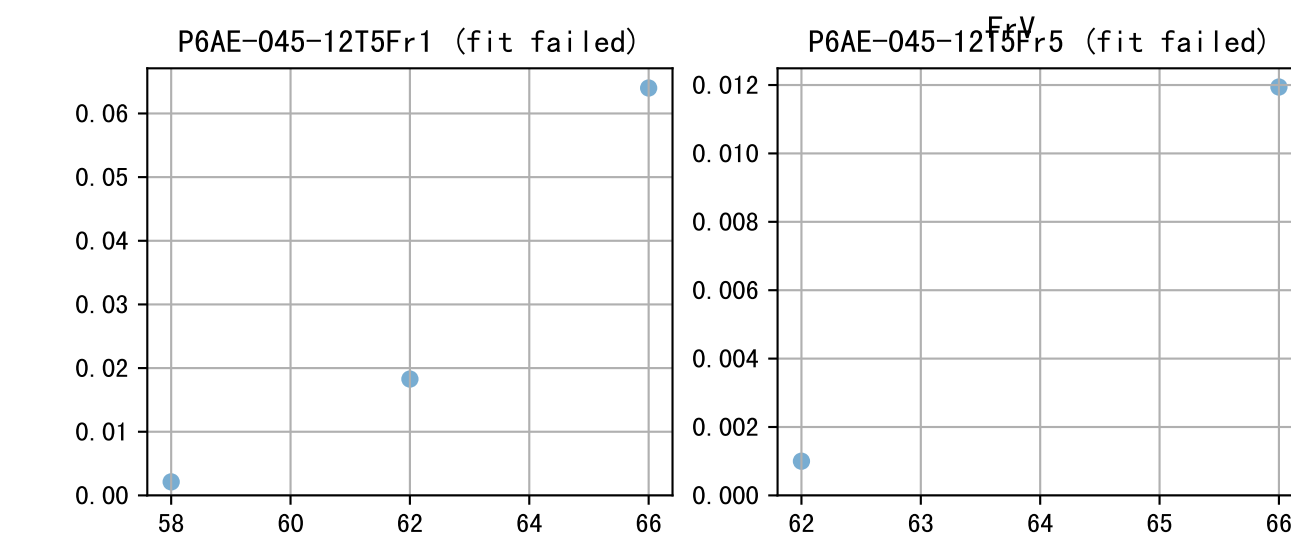


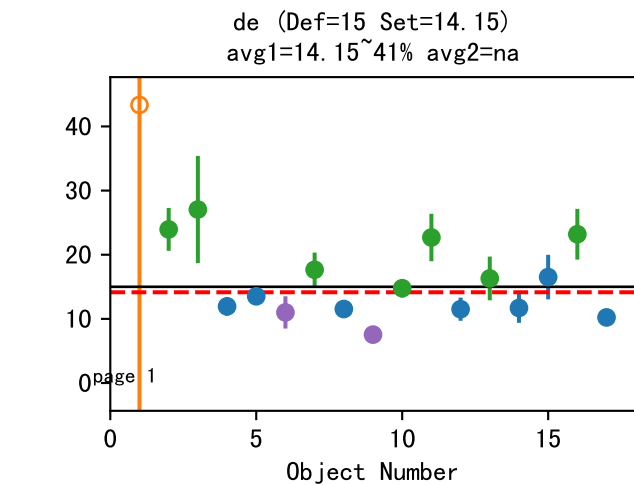
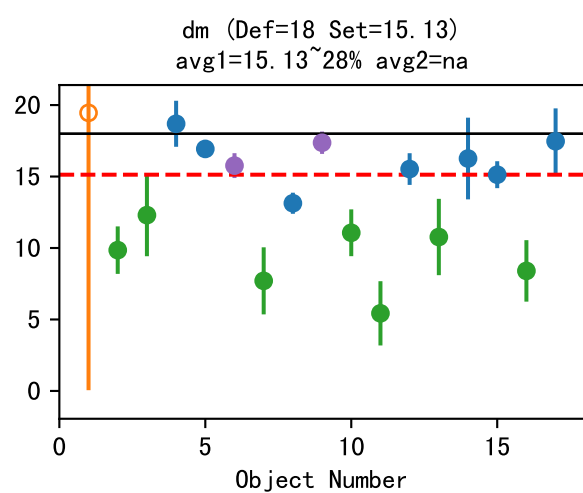
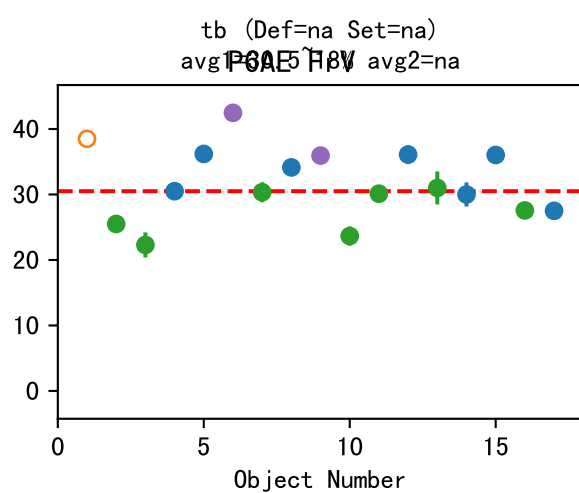
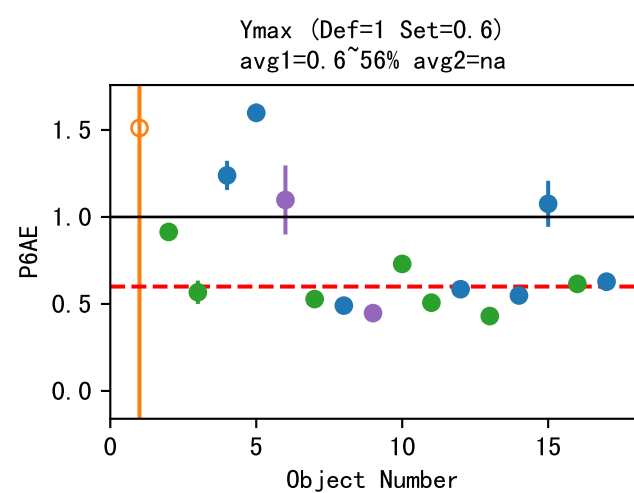




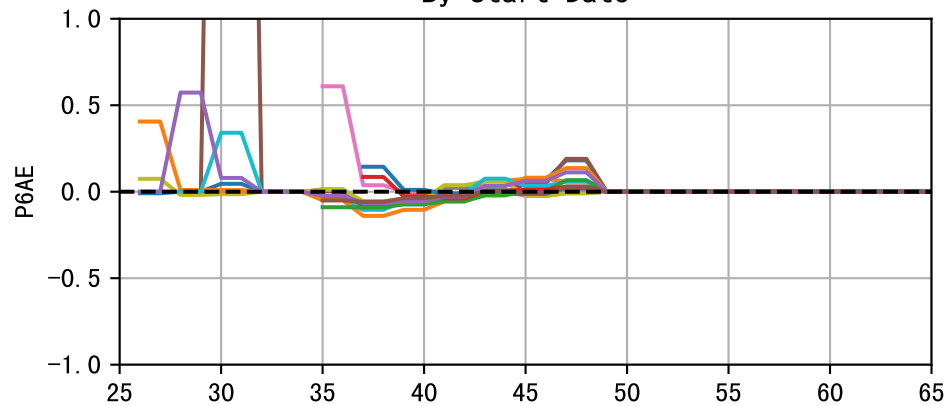




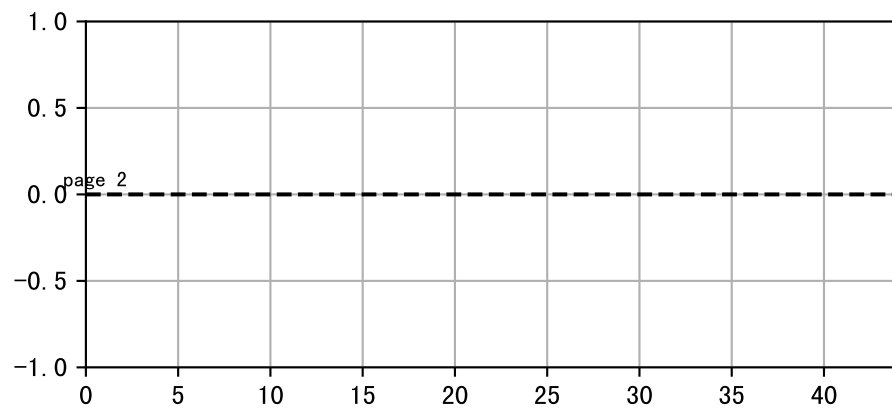
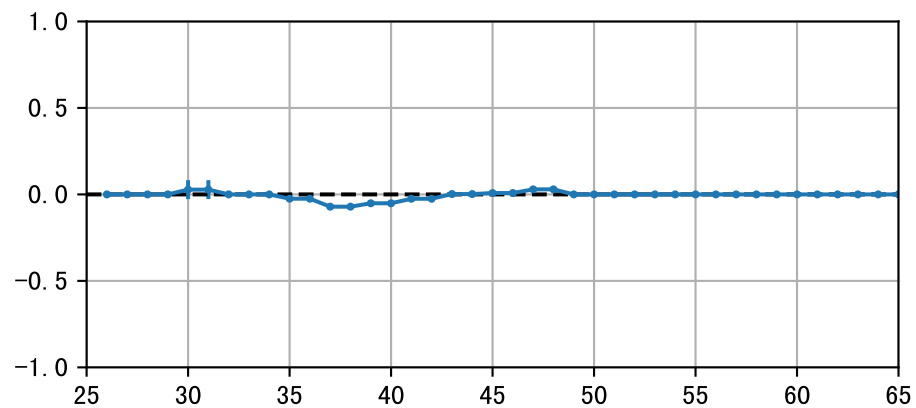
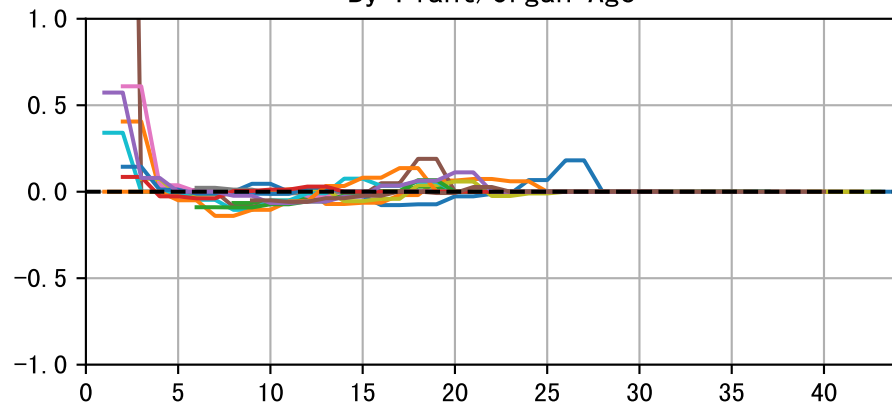




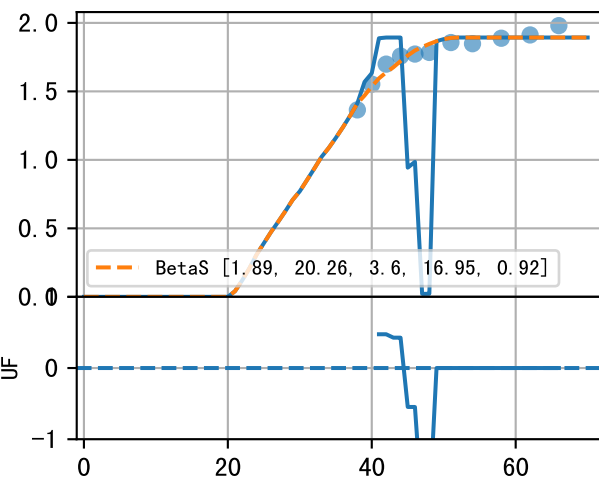
By Start Date



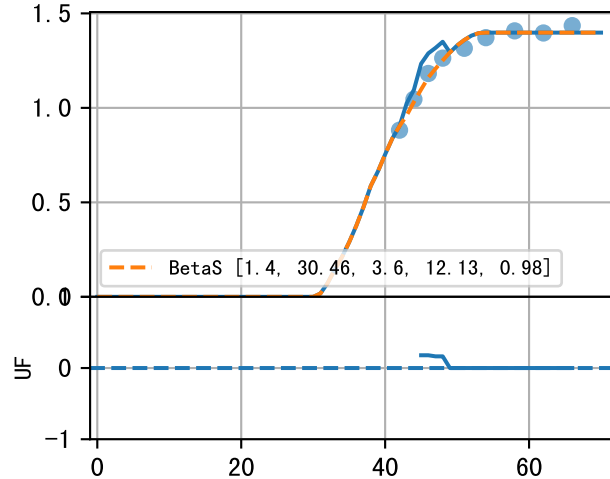
By Plant/Organ Age



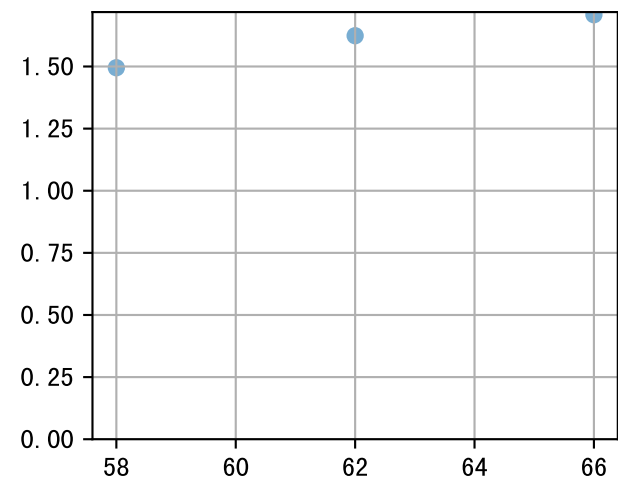
P6AE-007-10L13 (fit failed)



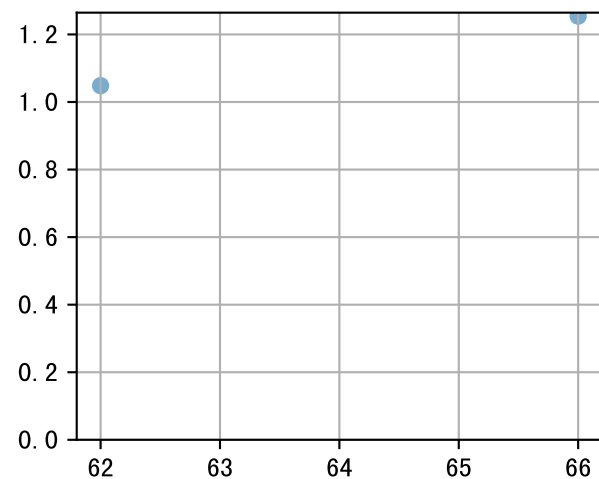
P6AE-007-10L16 (fit failed)



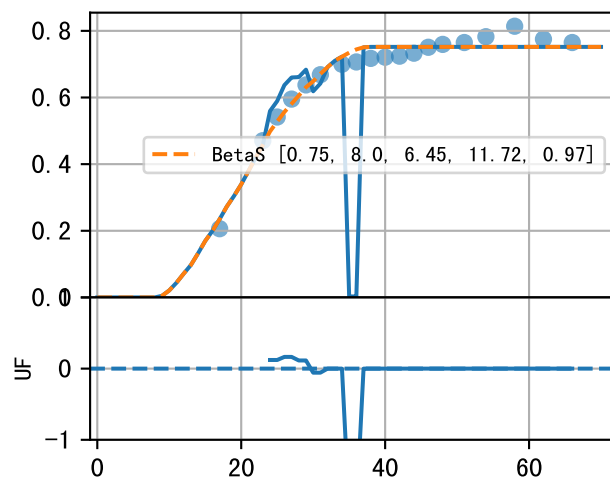
P6AE-007-10L19 (fit failed)



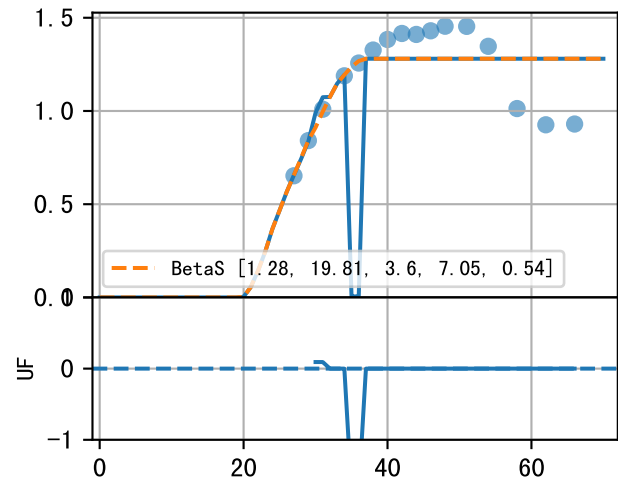
P6AE-007-10L22 (fit failed)



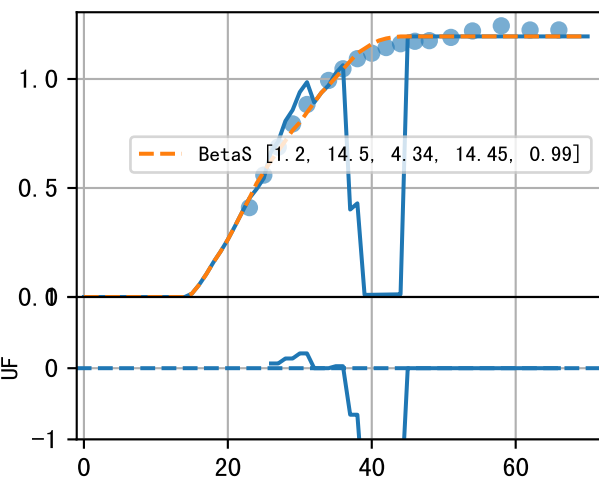
P6AE-007-10L6 (fit failed)



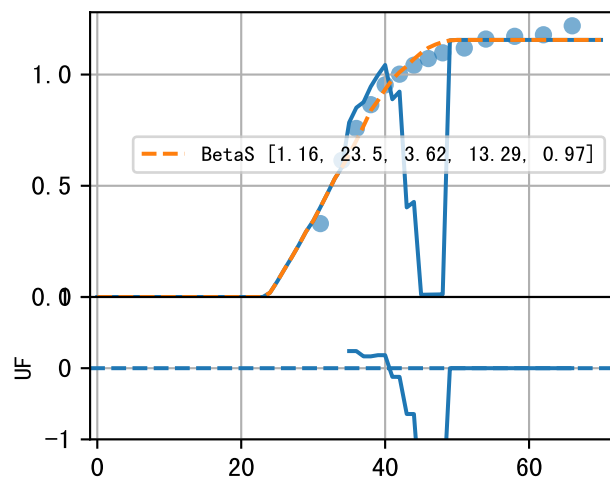
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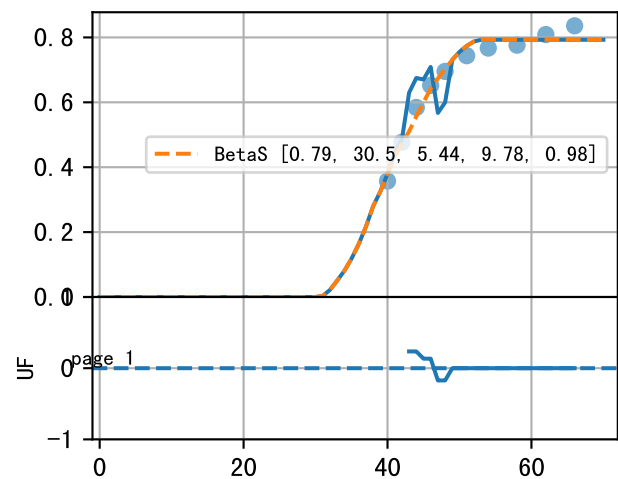
P6AE-014-17L11



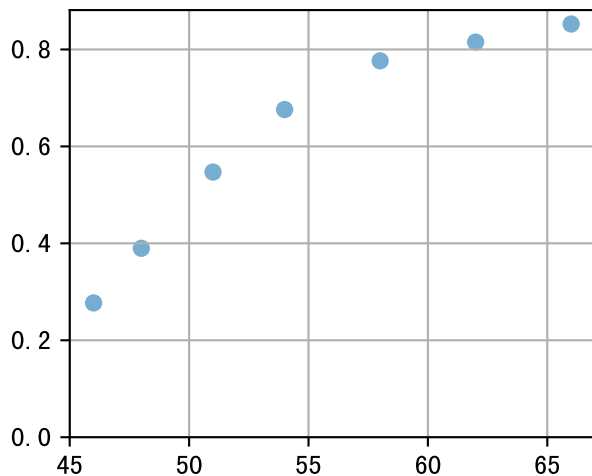
P6AE-014-17L14 (fit failed)



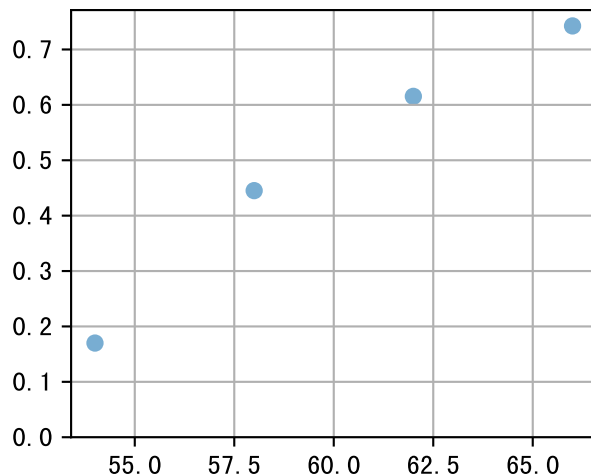
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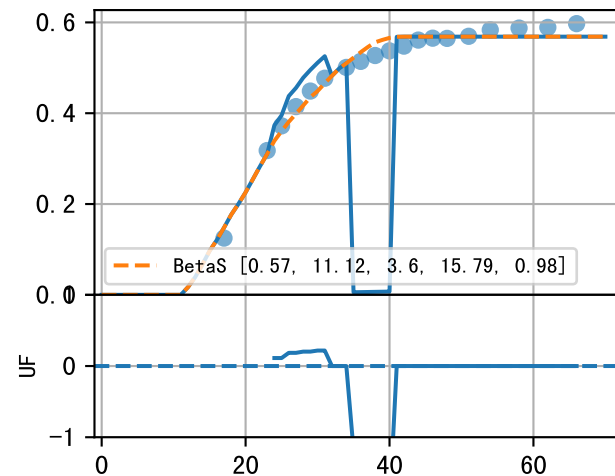
P6AE-014-17L19 (fit failed)



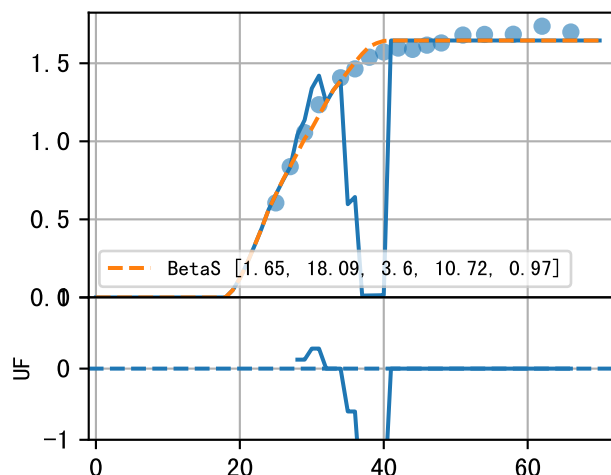
P6AE-014-17L22 (fit failed)



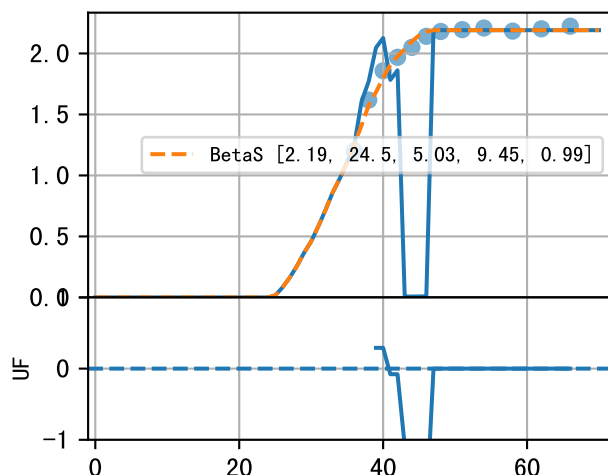
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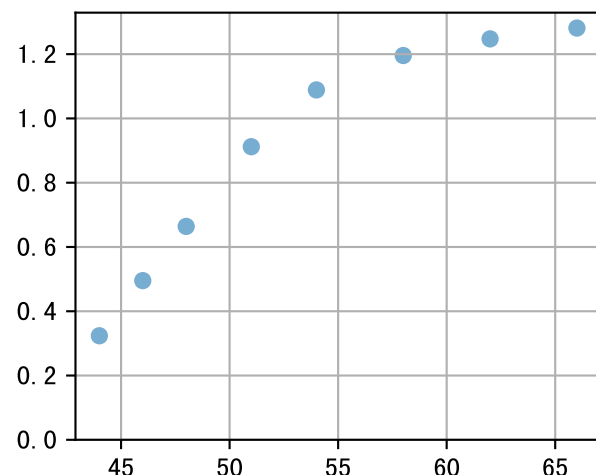
P6AE-026-25L10



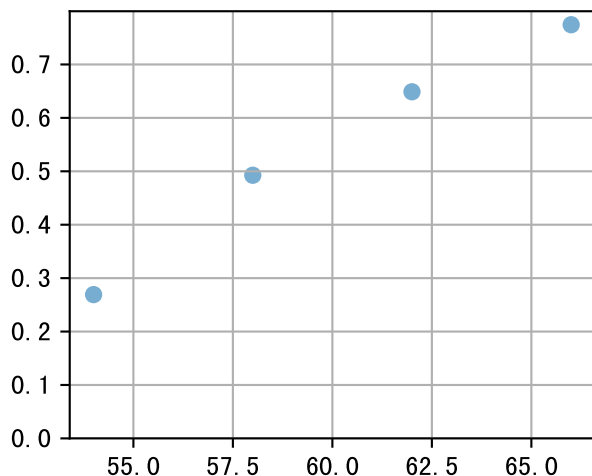
P6AE-026-25L13



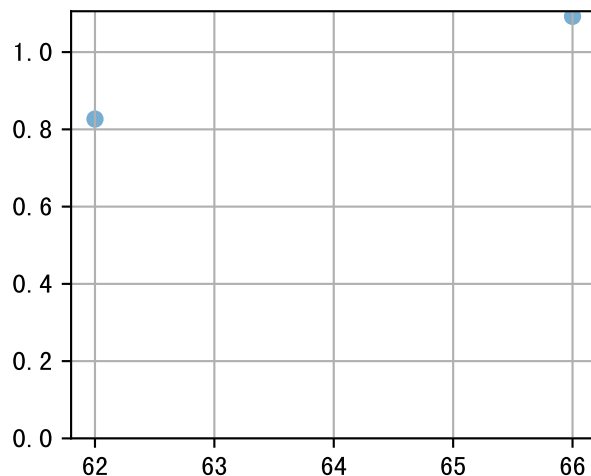
P6AE-026-25L16 (fit failed)



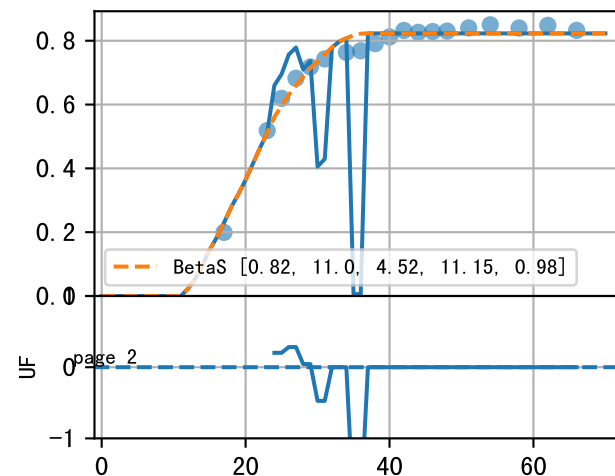
P6AE-026-25L19 (fit failed)



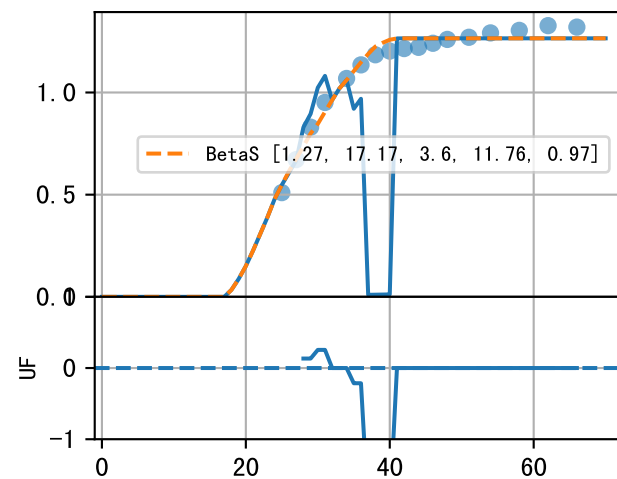
P6AE-026-25L22 (fit failed)



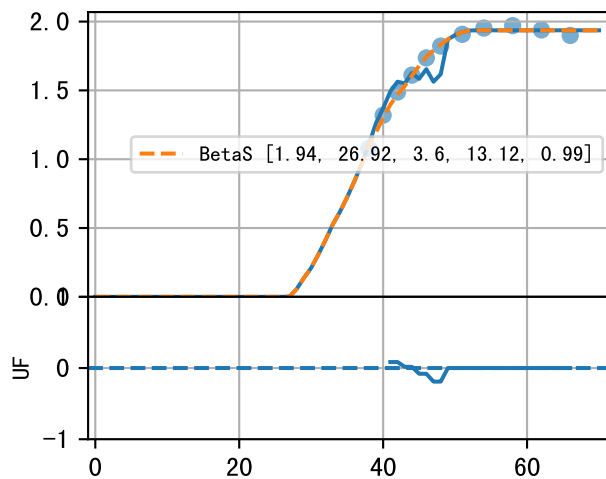
P6AE-026-25L7 (fit failed)



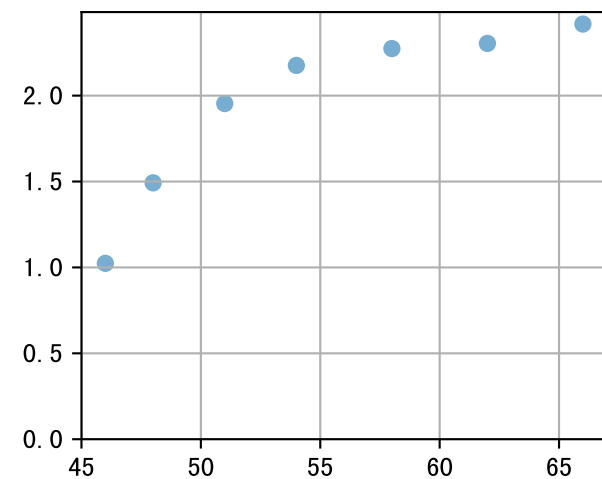
P6AE-033-4L10



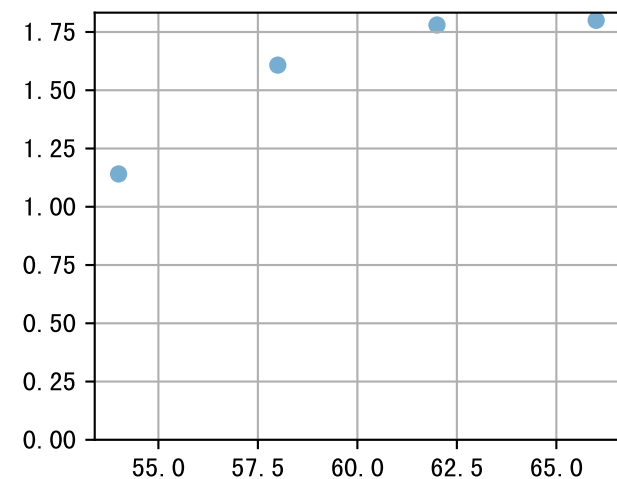
P6AE-033-4L15



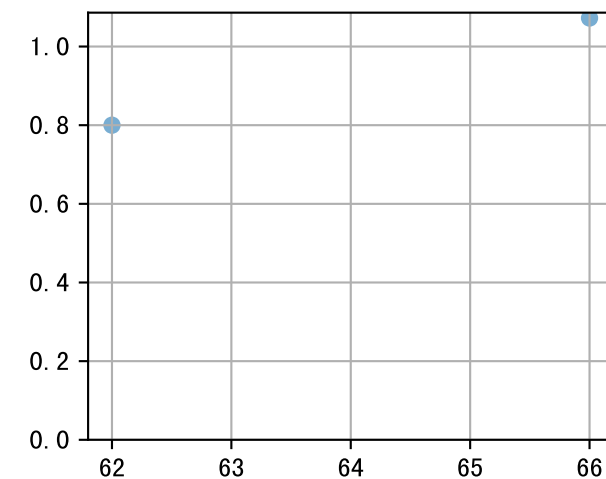
P6AE-033-4L18 (fit failed)



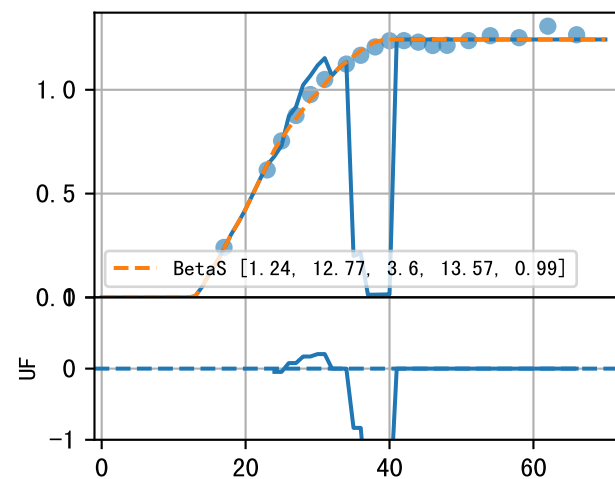
P6AE-033-4L21 (fit failed)



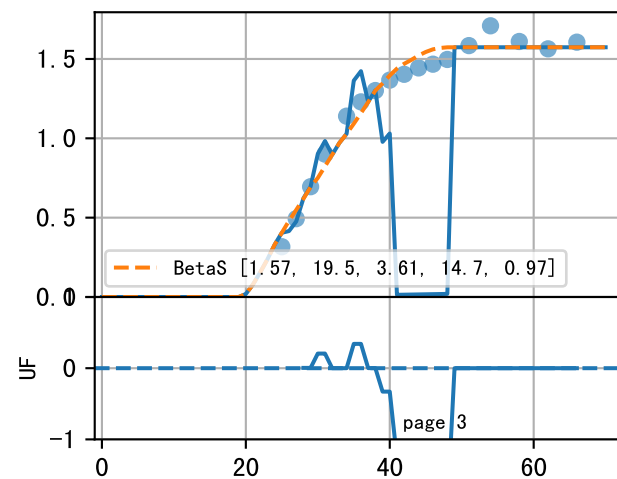
P6AE-033-4L24 (fit failed)



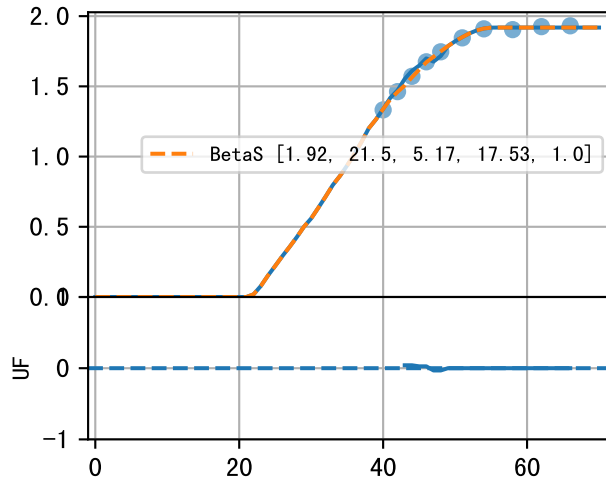
P6AE-033-4L8



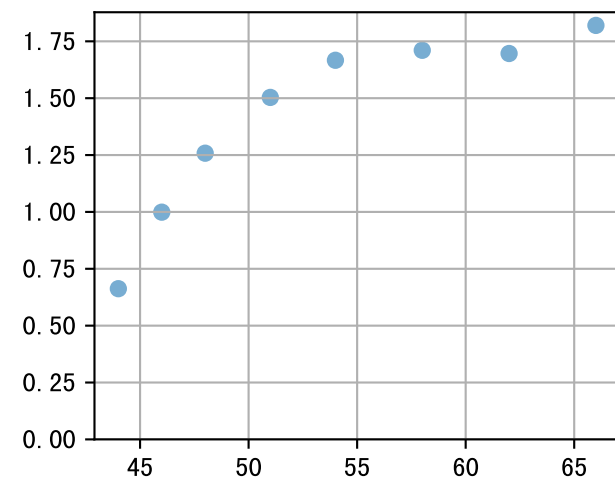
P6AE-045-12L10 (fit failed)



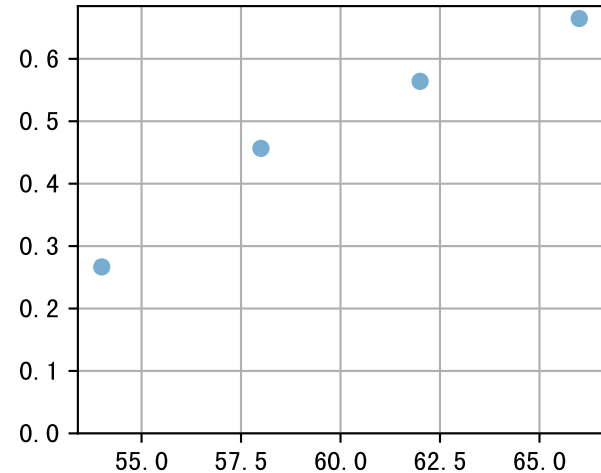
P6AE-045-12L14



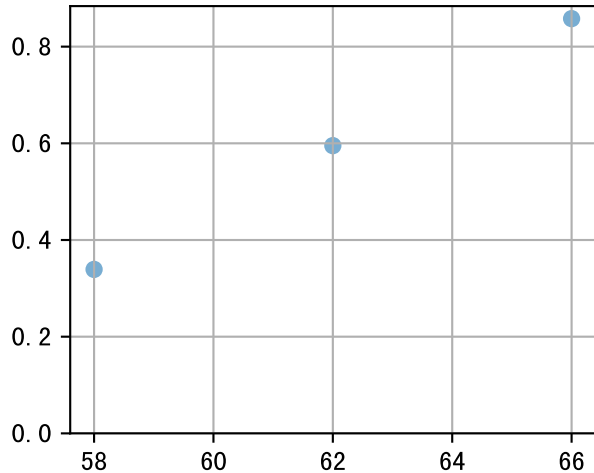
P6AE-045-12L17 (fit failed)



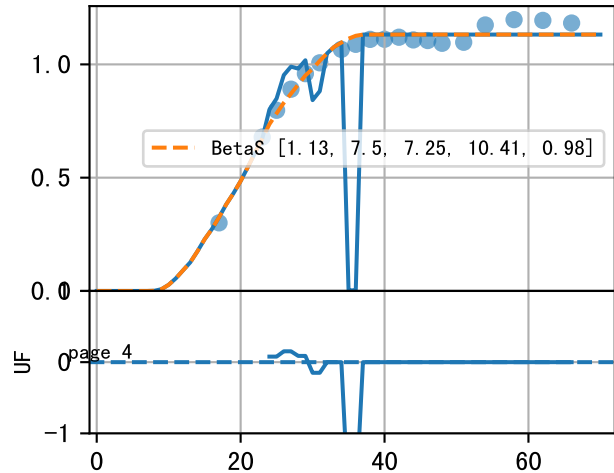
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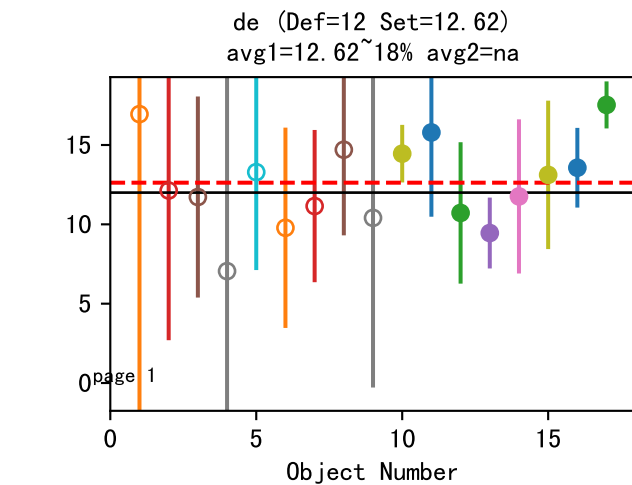
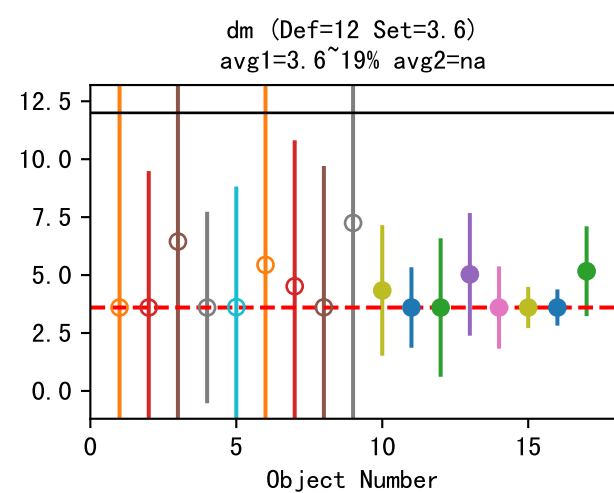
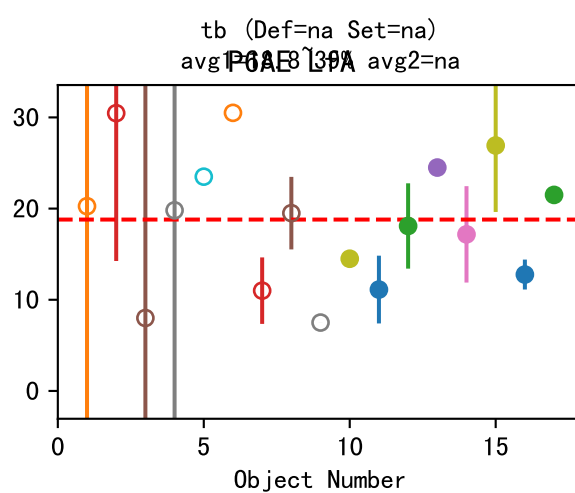
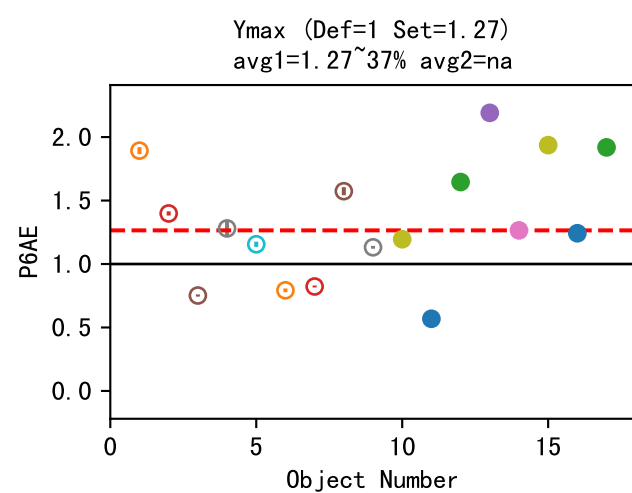


P6AE-045-12L23 (fit failed)

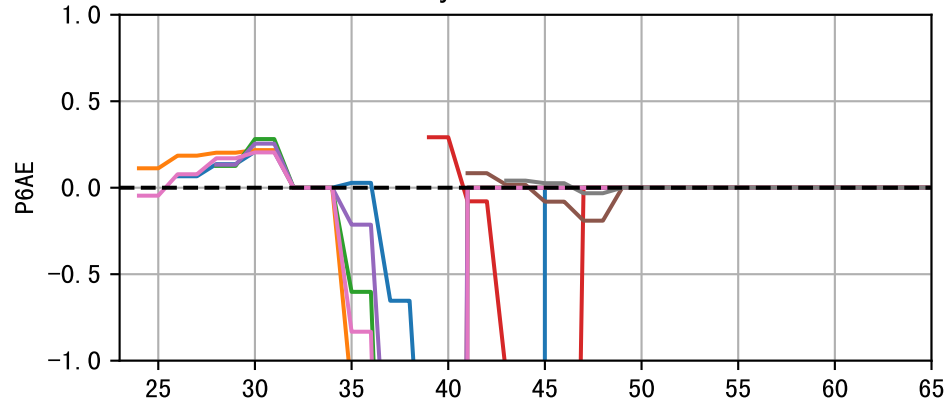


P6AE-045-12L7 (fit failed)

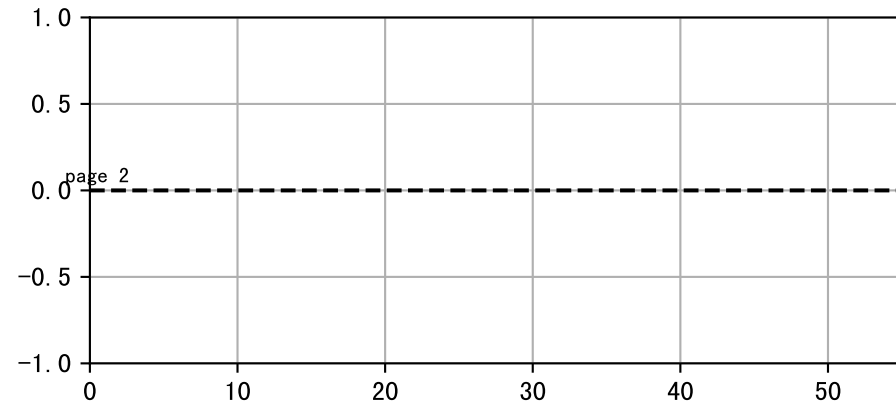
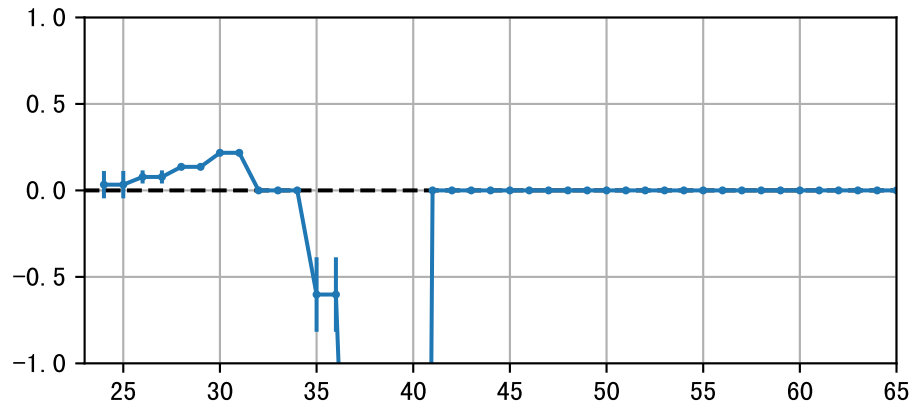
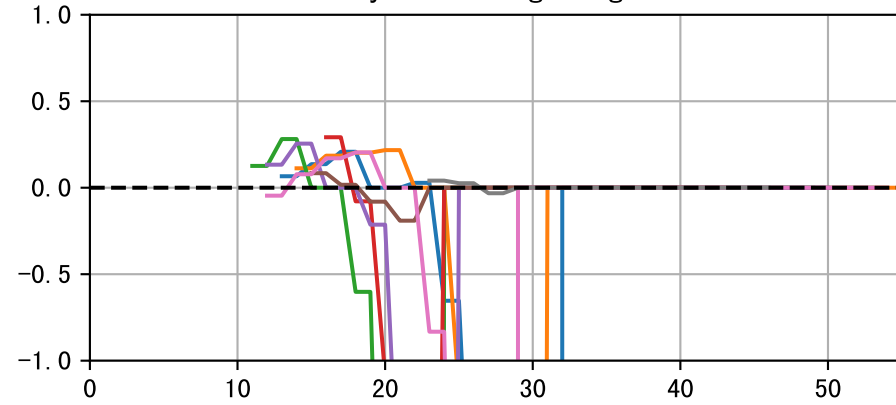


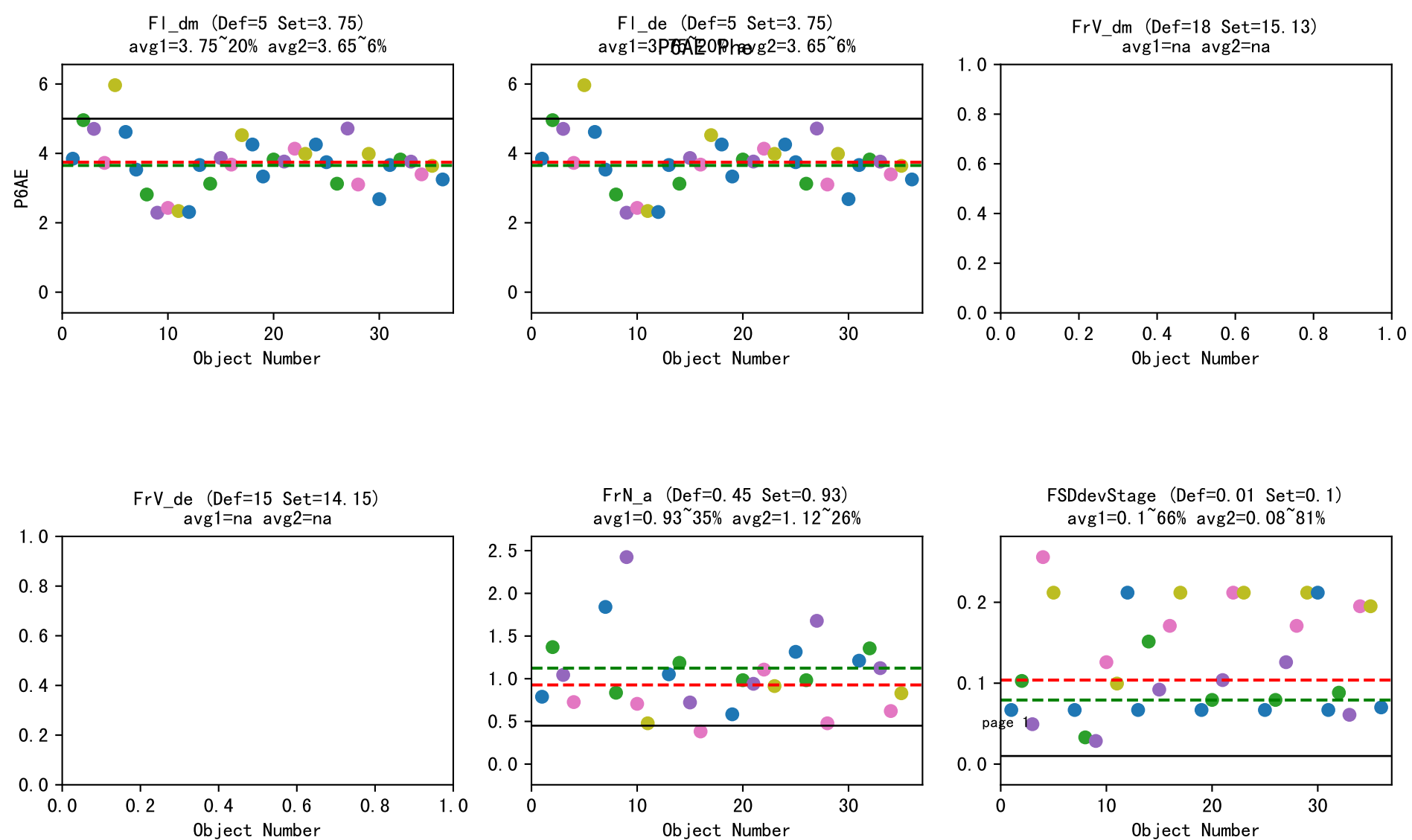


By Start Date

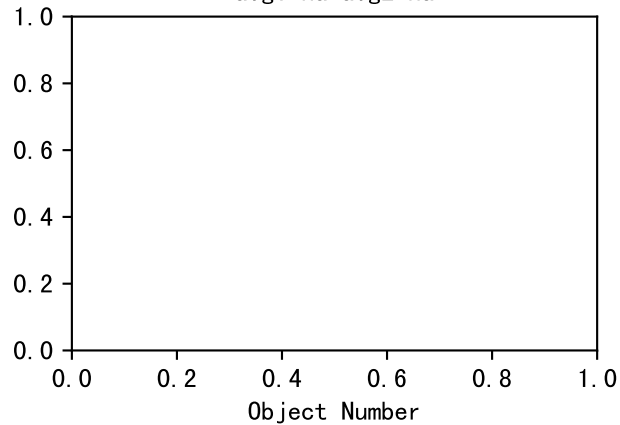


By Plant/Organ Age

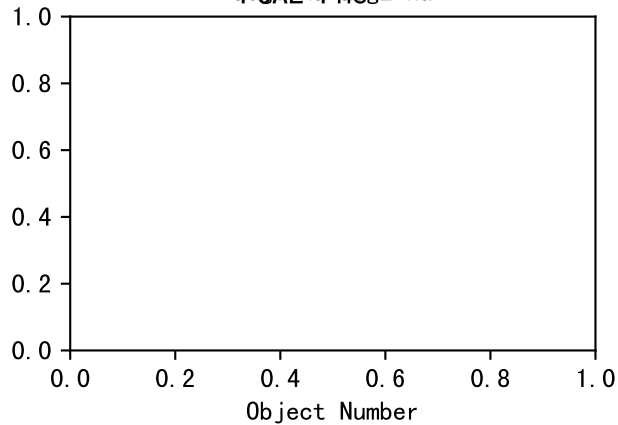




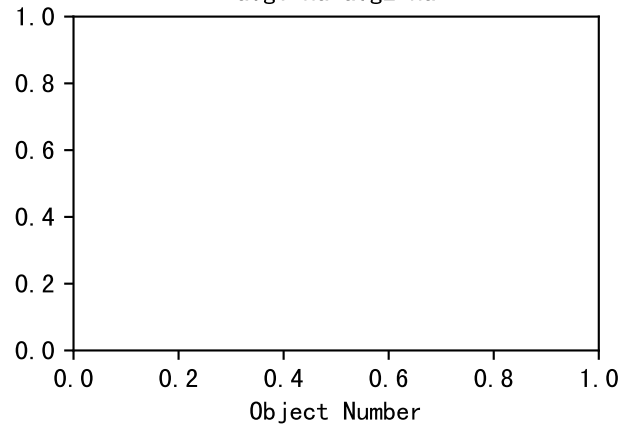
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



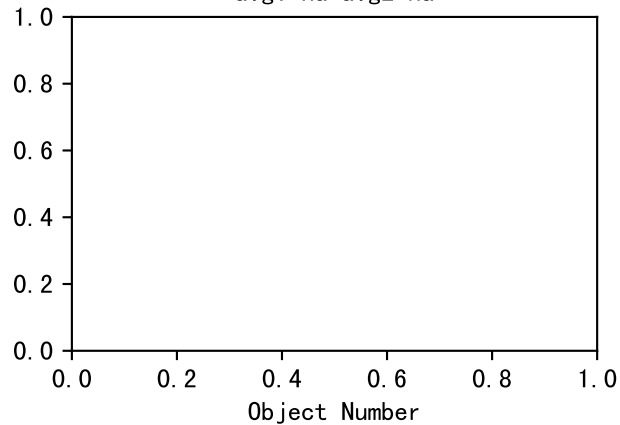
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



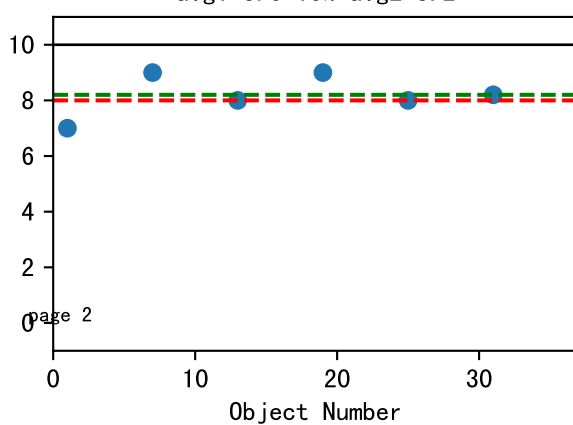
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



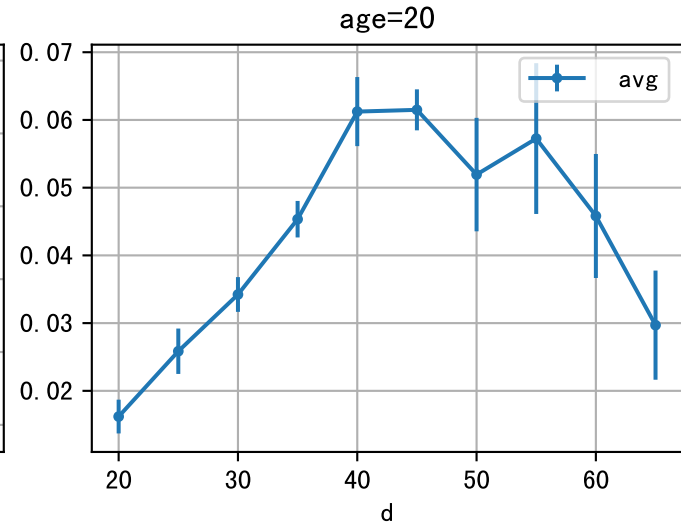
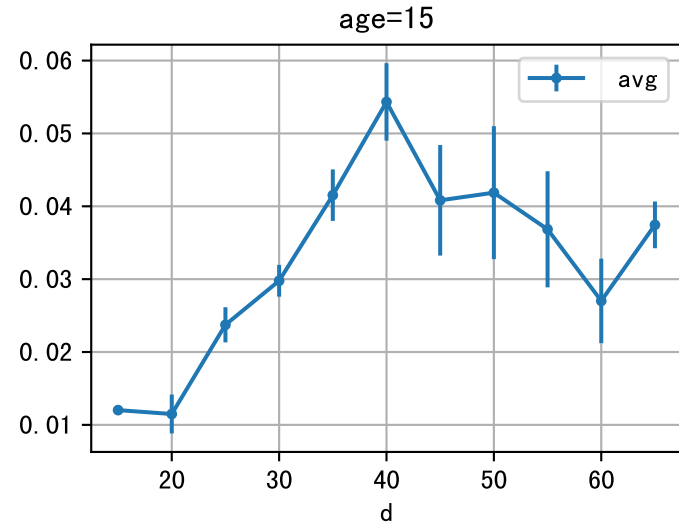
FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na



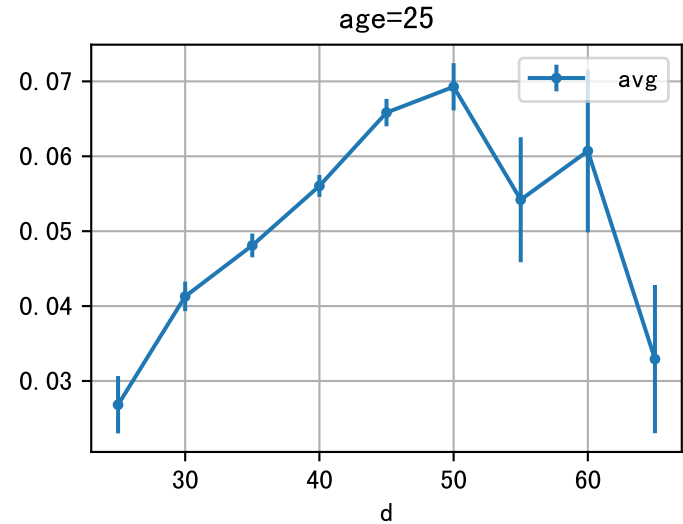
NNgen (Def=10 Set=8)
avg1=8.0~10% avg2=8.2

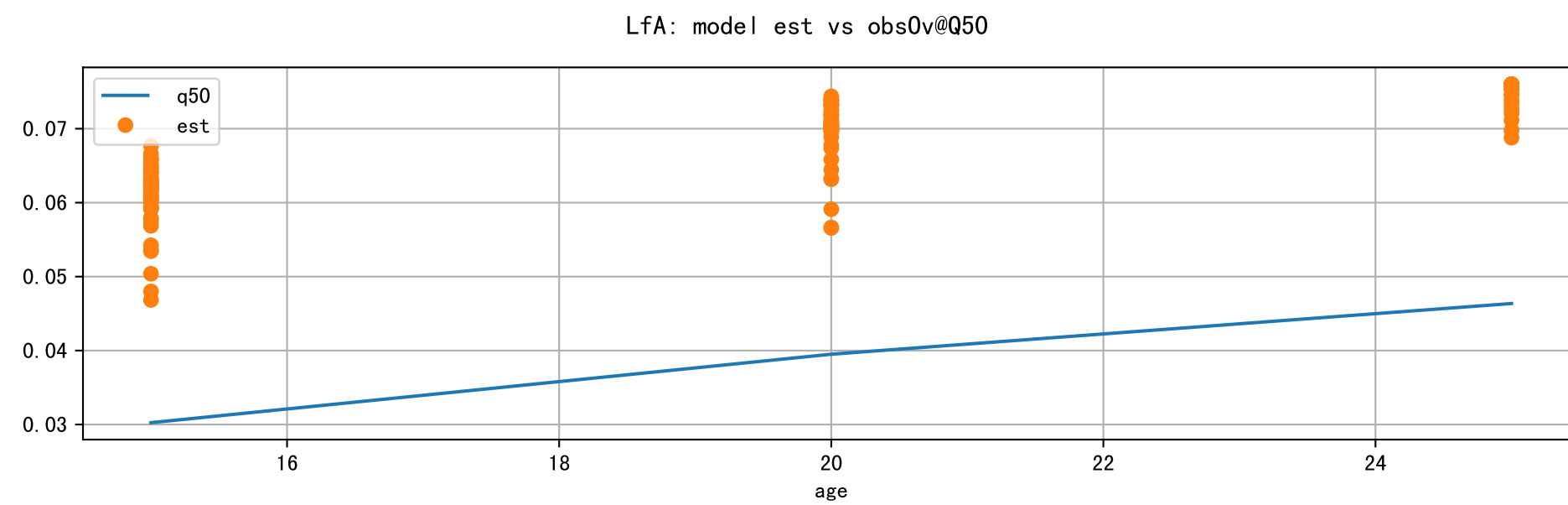


LfA: avg vs. d at each age group



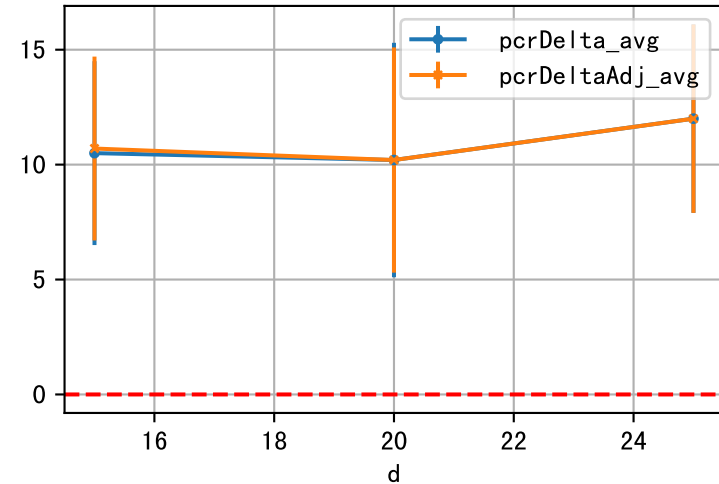
page 1



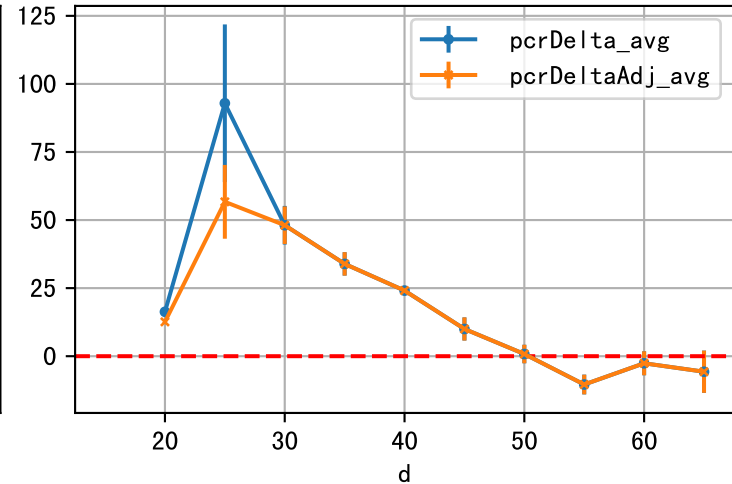


P6AE LfA: D_5d_LfA

DeltaTypeAbbr=GrpByAge

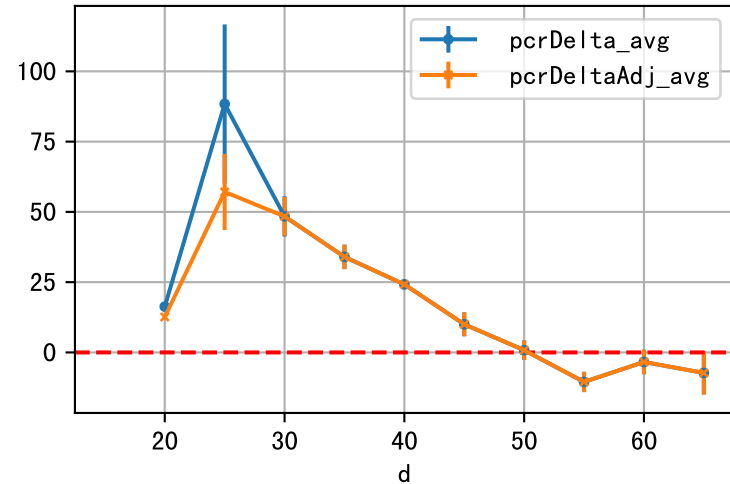


DeltaTypeAbbr=GrpByDay



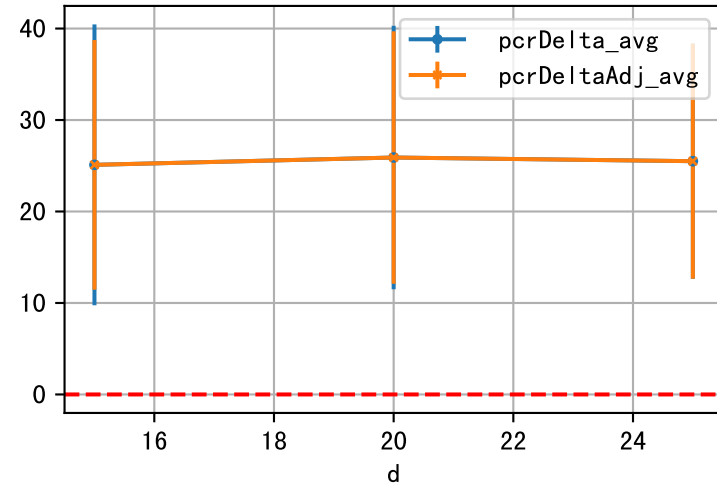
page 3

DeltaTypeAbbr=Wei AvgByD

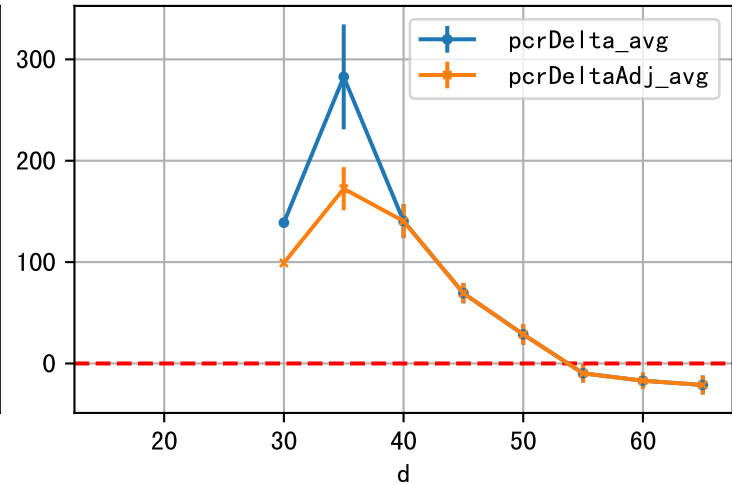


P6AE LfA: D_15d_LfA

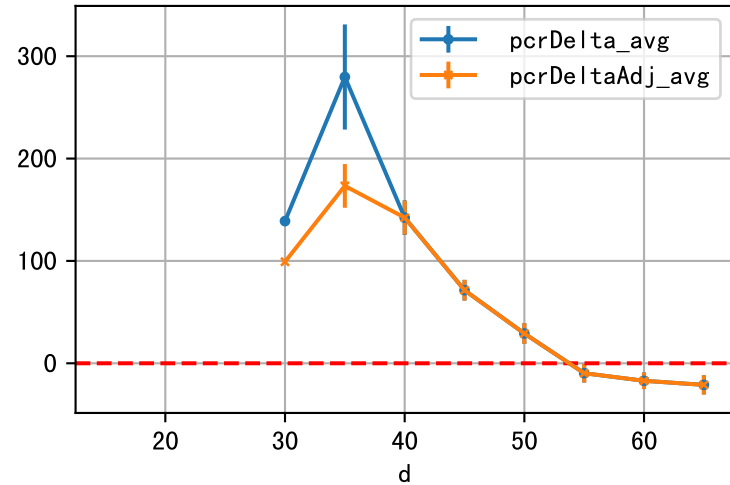
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

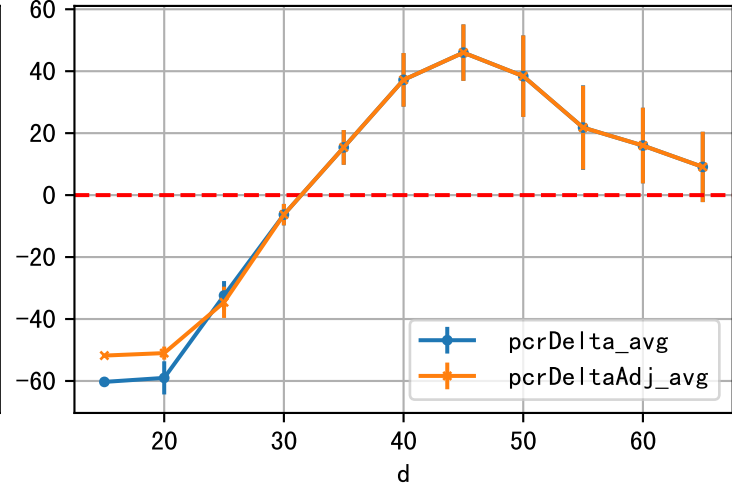
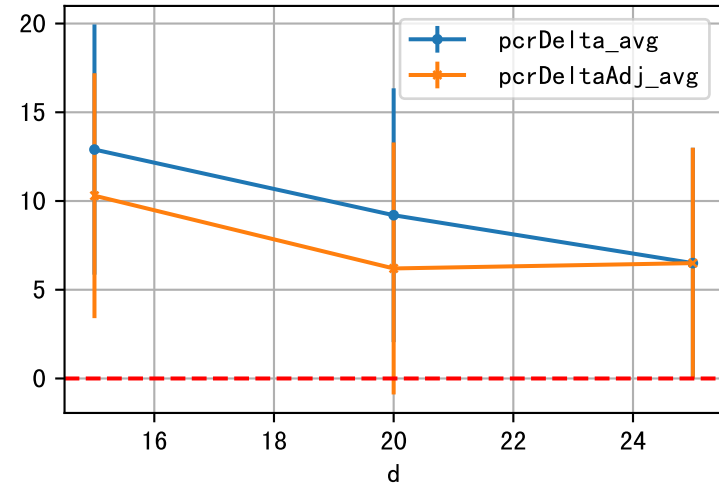


P6AE LfA: D_Q50_LfA

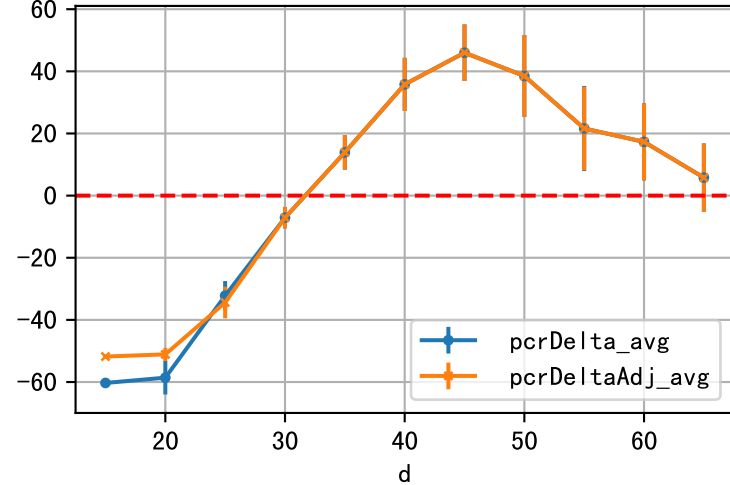
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

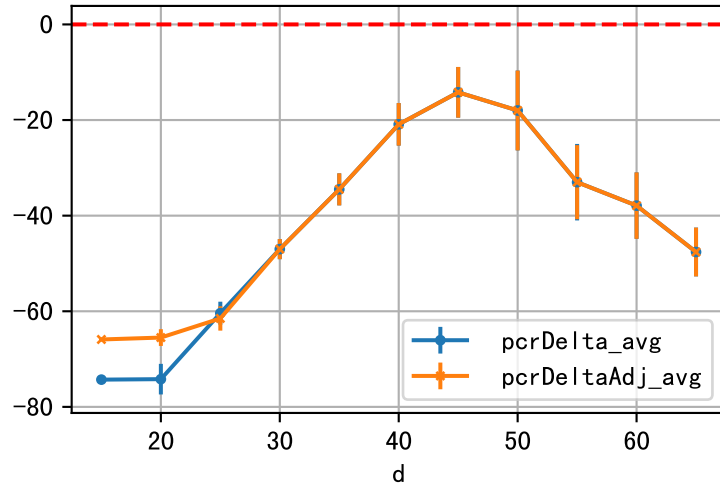
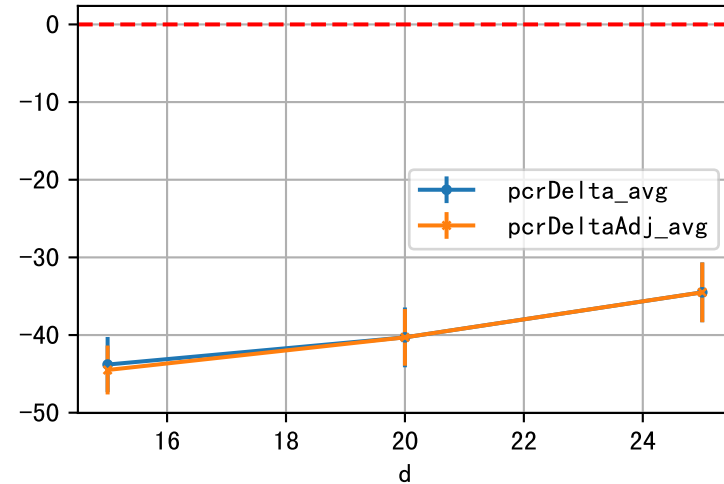
DeltaTypeAbbr=Wei AvgByD



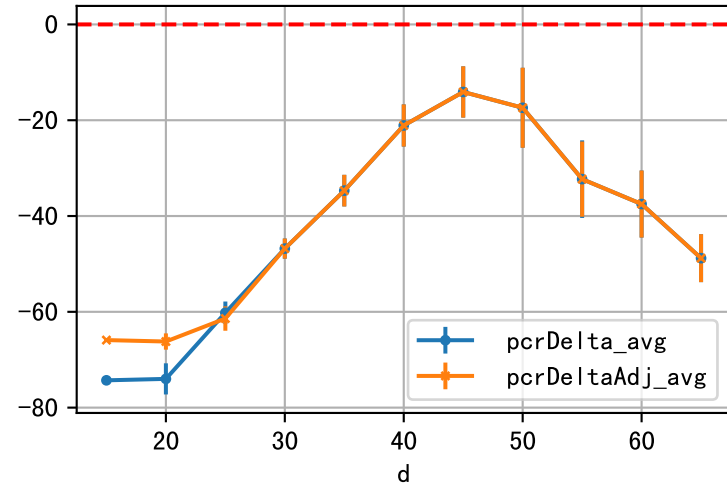
page 5



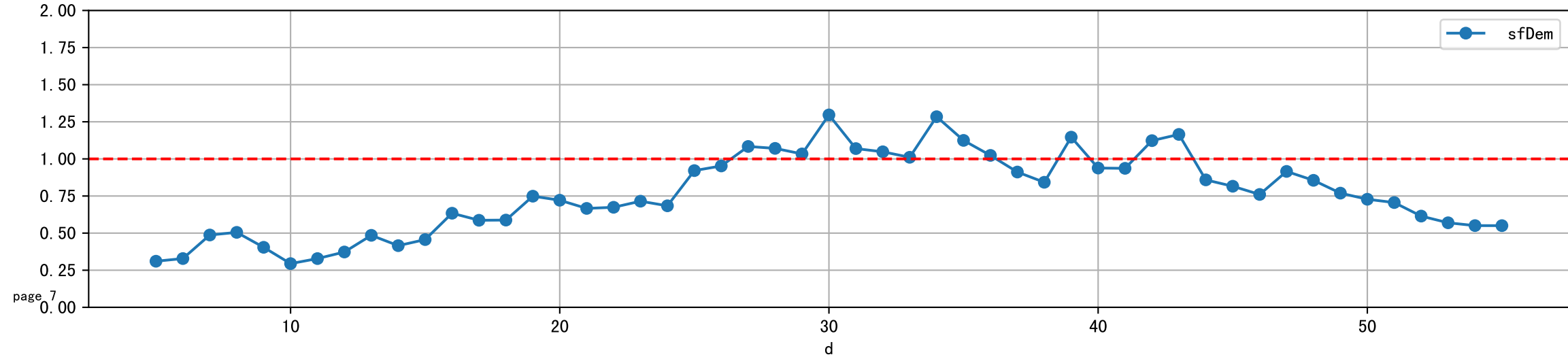
DeltaTypeAbbr=GrpByAge

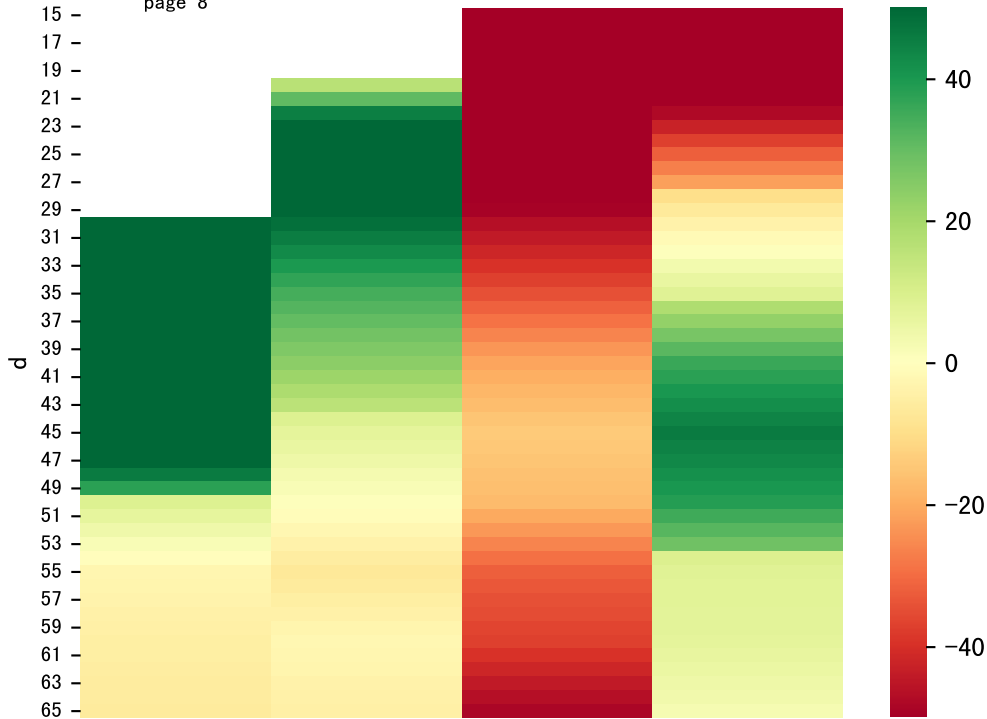


DeltaTypeAbbr=Wei AvgByD



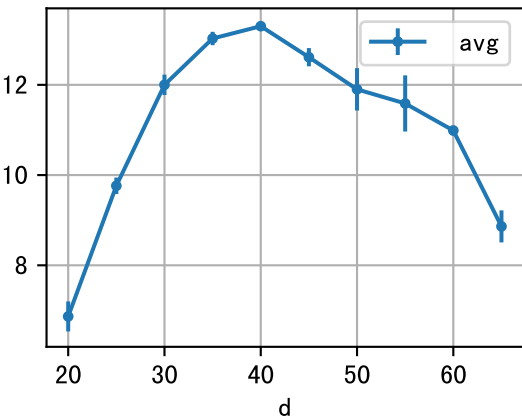
LfA: sfDem



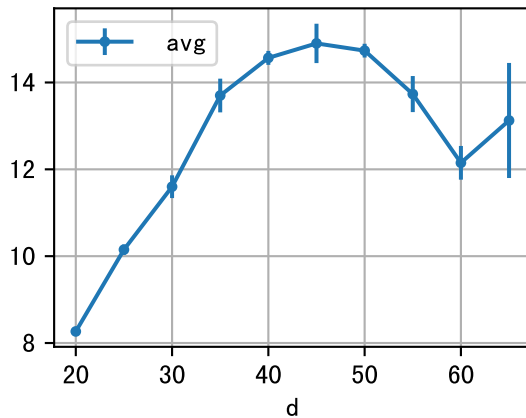


NdD: avg vs. d at each age group

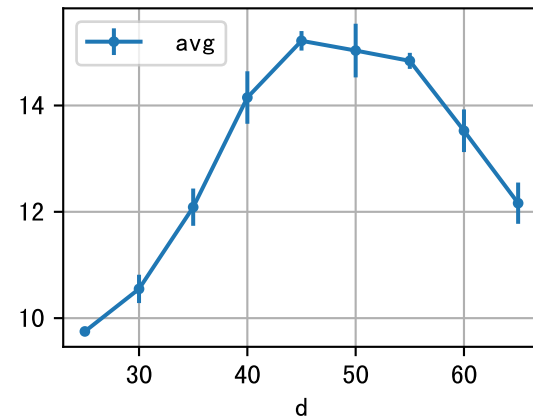
age=15



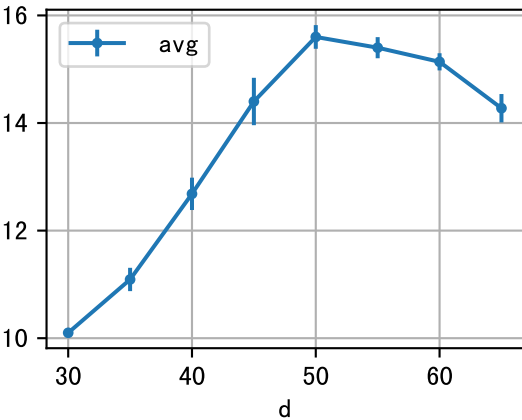
age=20



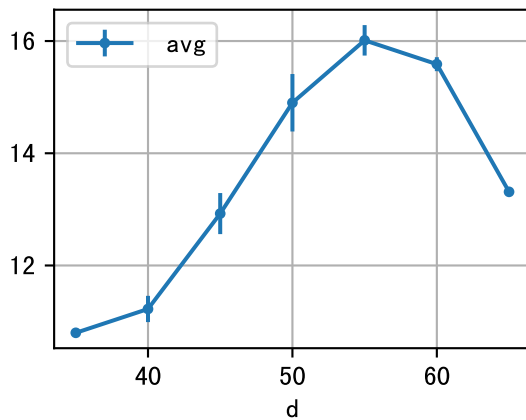
age=25



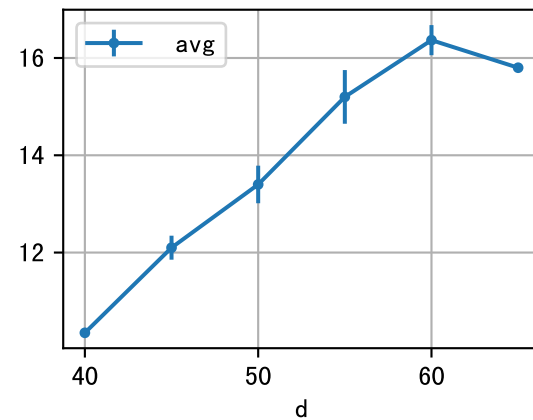
age=30



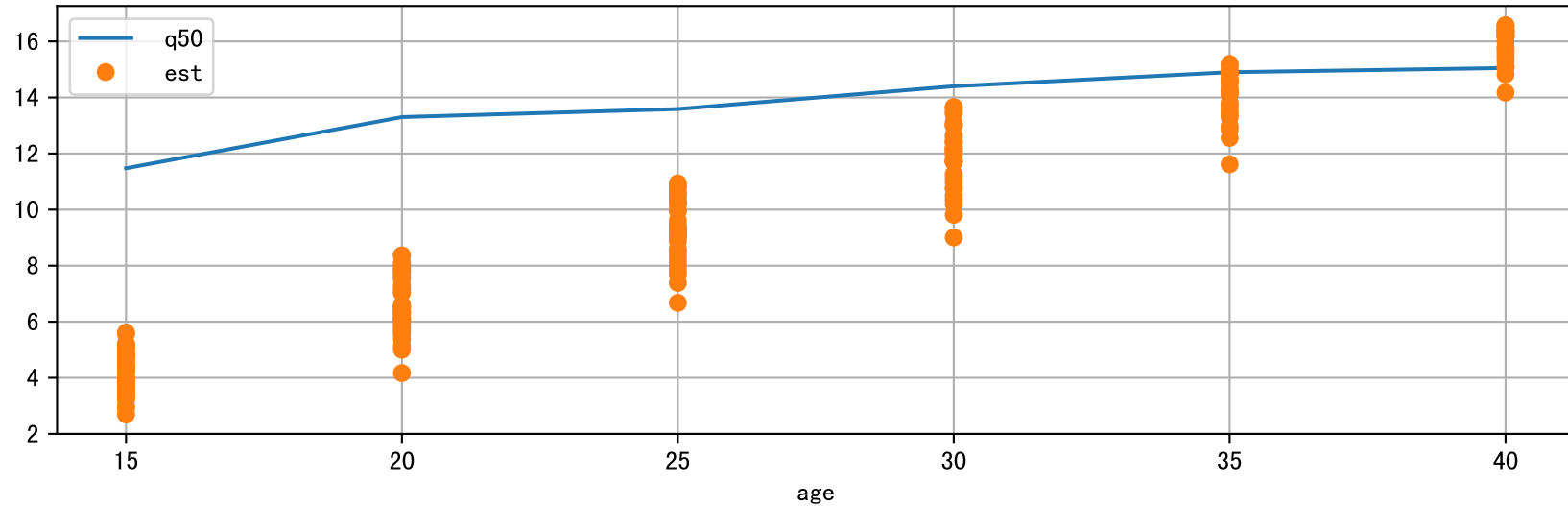
age=35



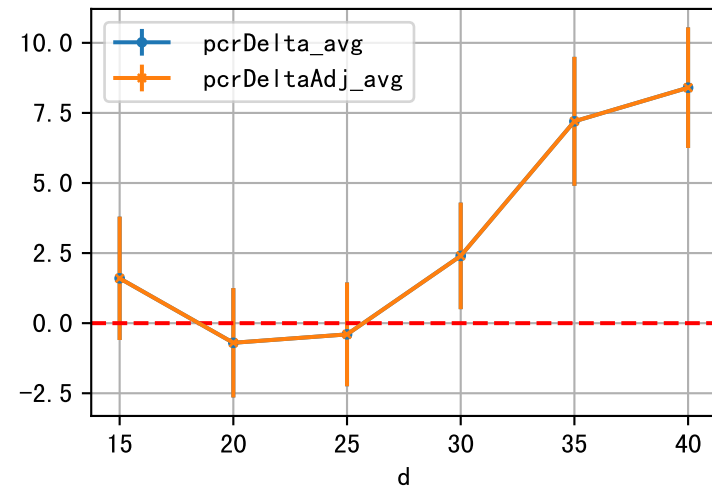
age=40



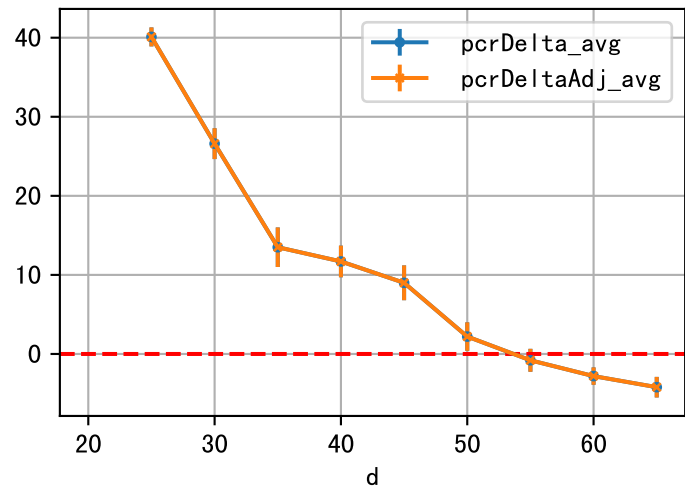
NdD: model est vs obs0v@Q50



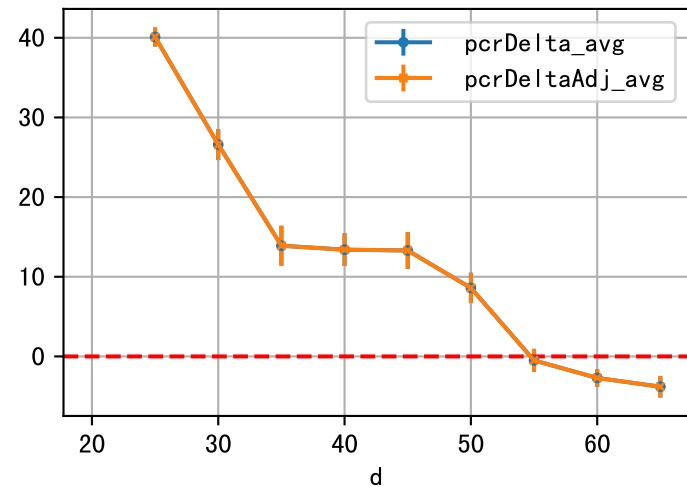
DeltaTypeAbbr=GrpByAge



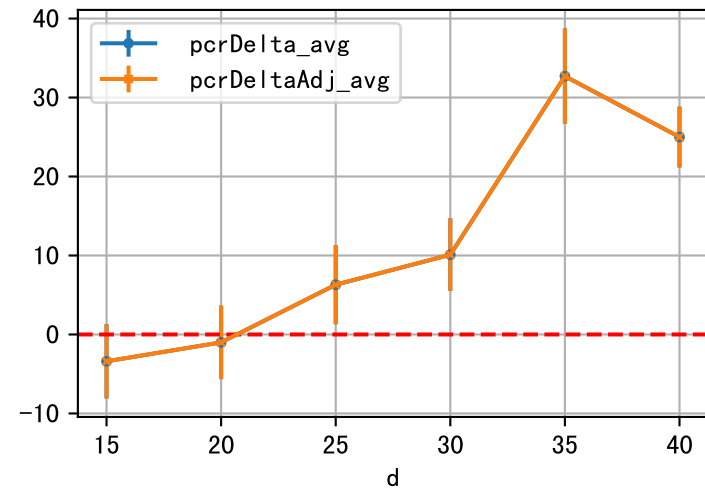
DeltaTypeAbbr=GrpByDay



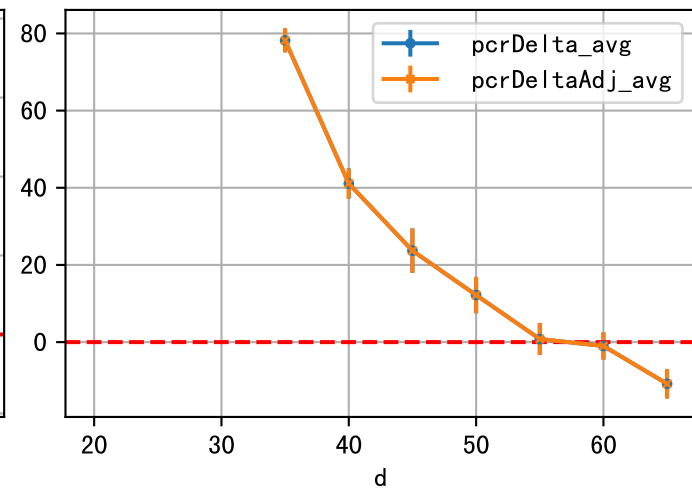
DeltaTypeAbbr=Wei AvgByD



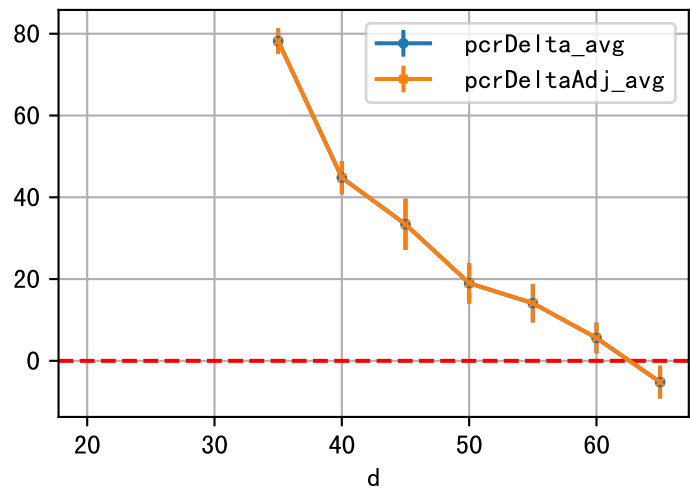
DeltaTypeAbbr=GrpByAge



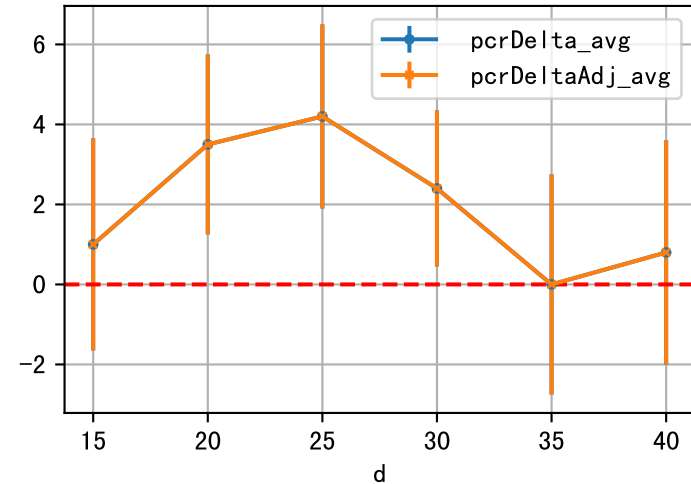
DeltaTypeAbbr=GrpByDay



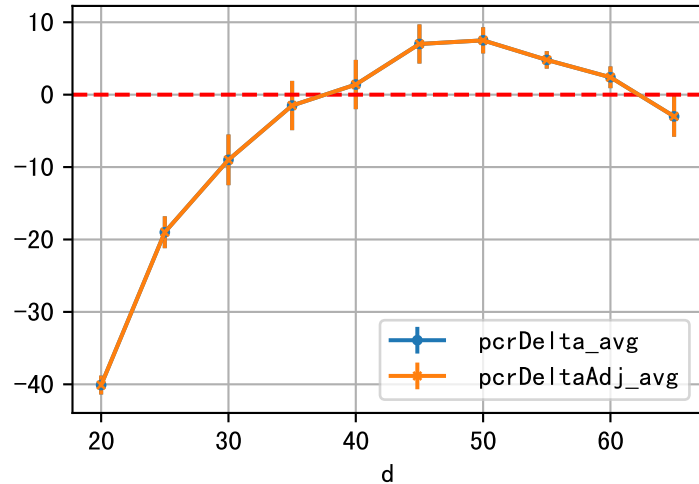
DeltaTypeAbbr=Wei AvgByD



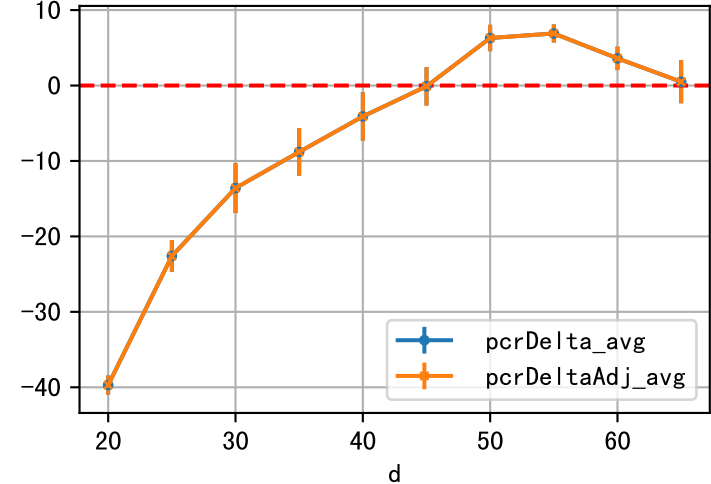
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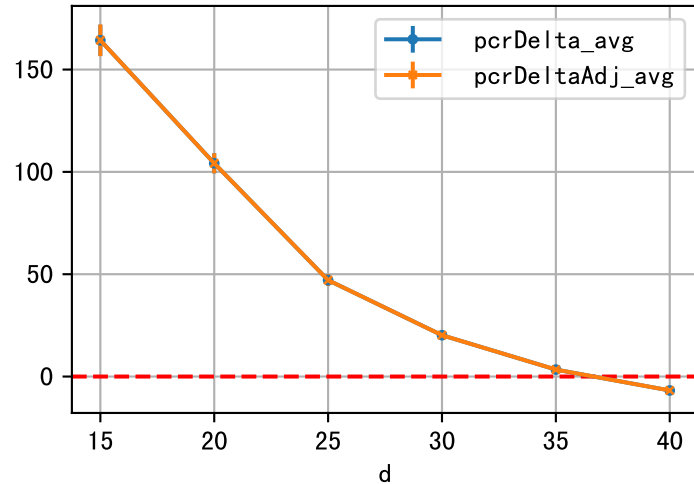
DeltaTypeAbbr=GrpByDay



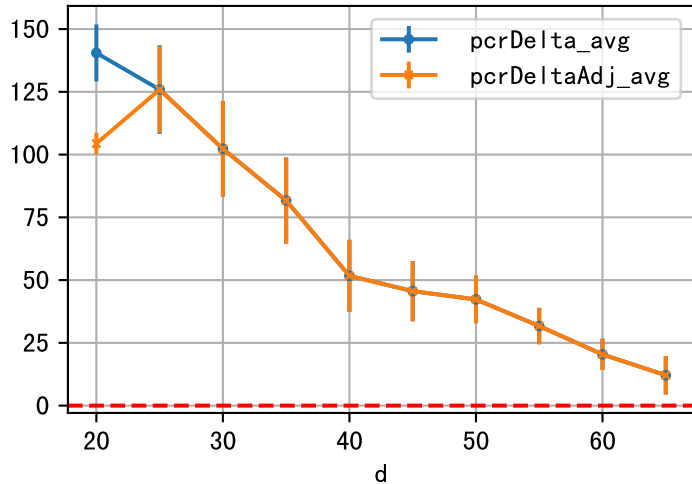
DeltaTypeAbbr=Wei AvgByD



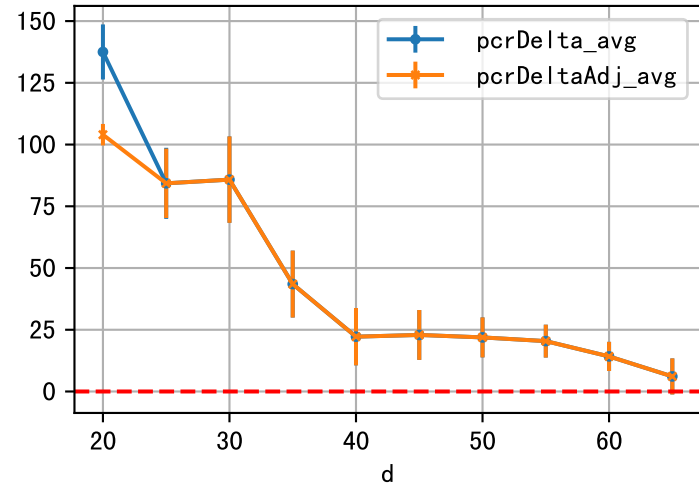
DeltaTypeAbbr=GrpByAge



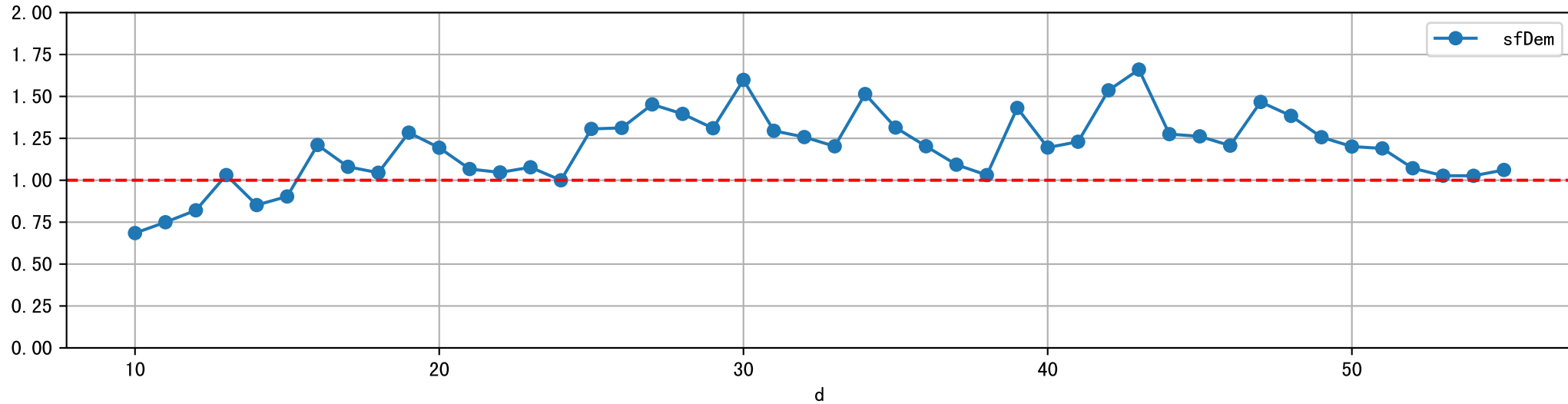
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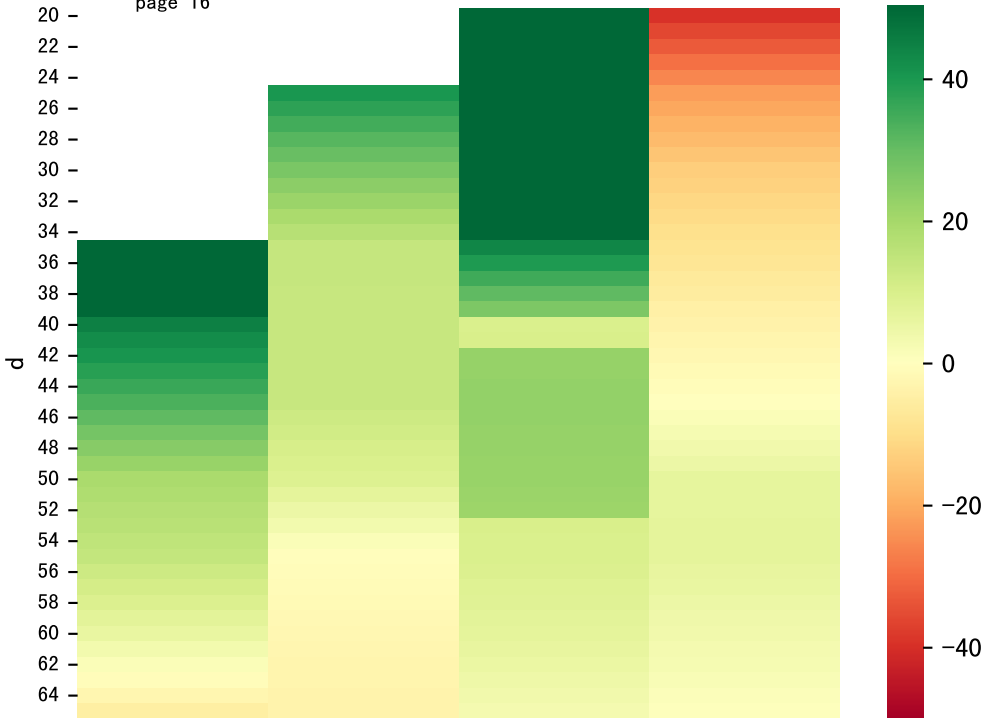


DeltaTypeAbbr=Wei AvgByD

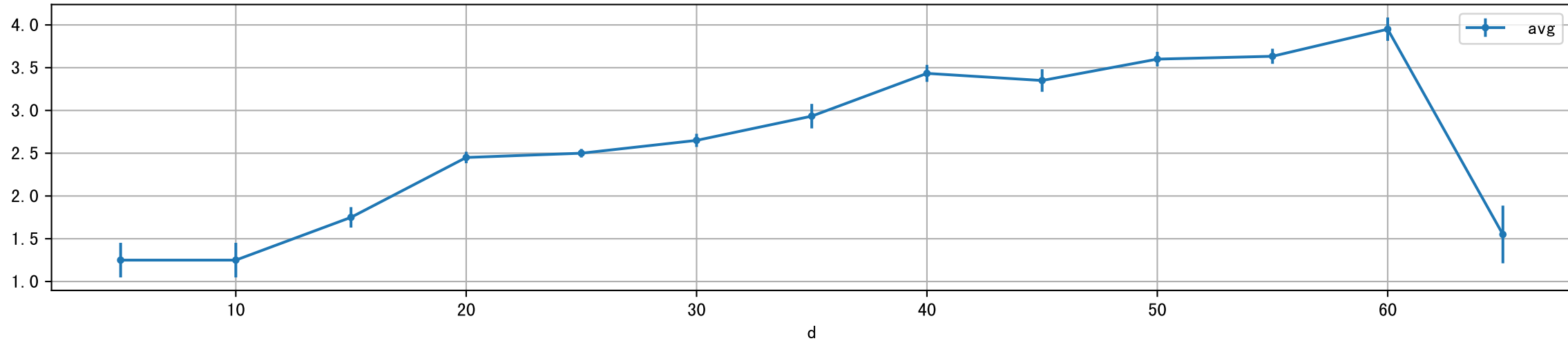


NdD: sfDem

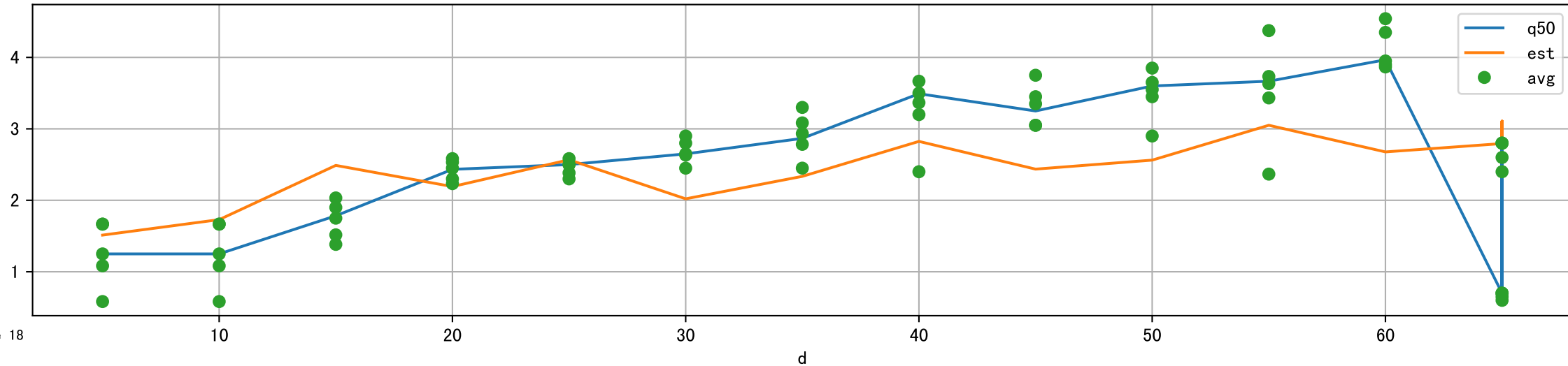




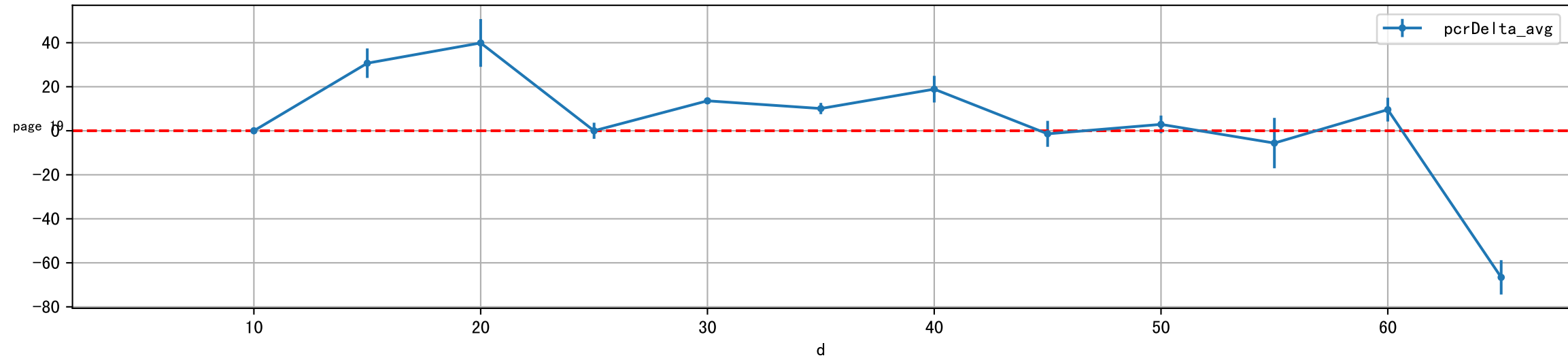
dStH: avg vs. d



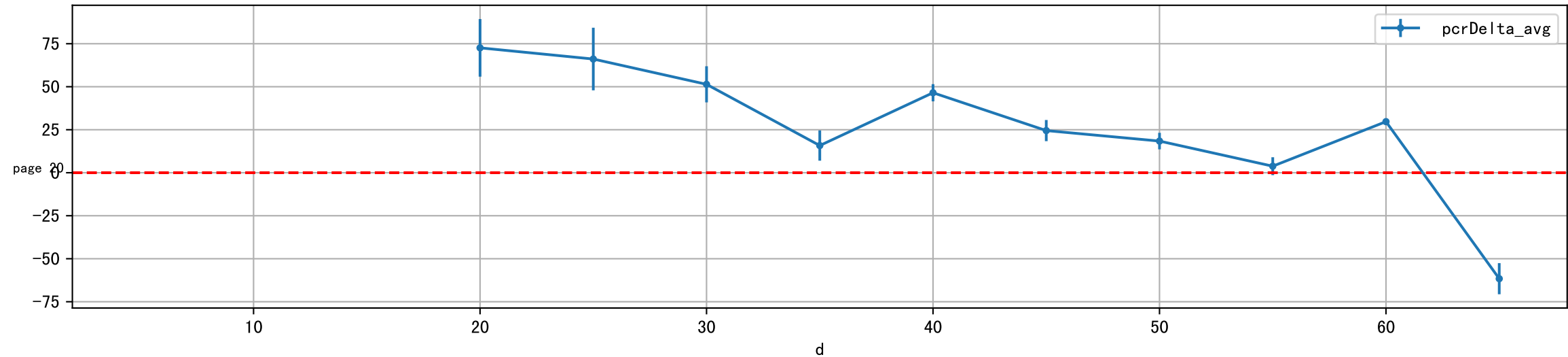
dStH: obsAvg vs obs0v@Q50



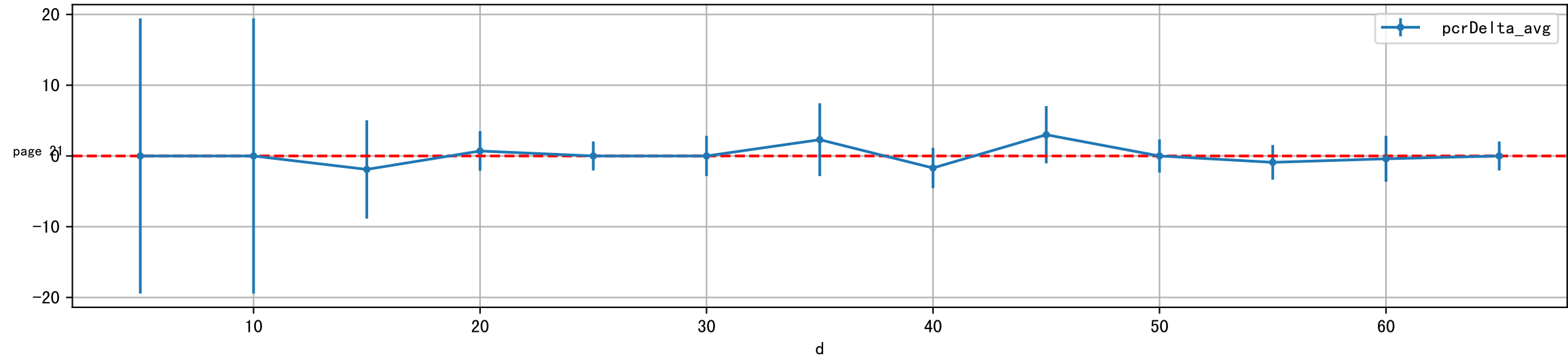
dStH: D_5d_StH



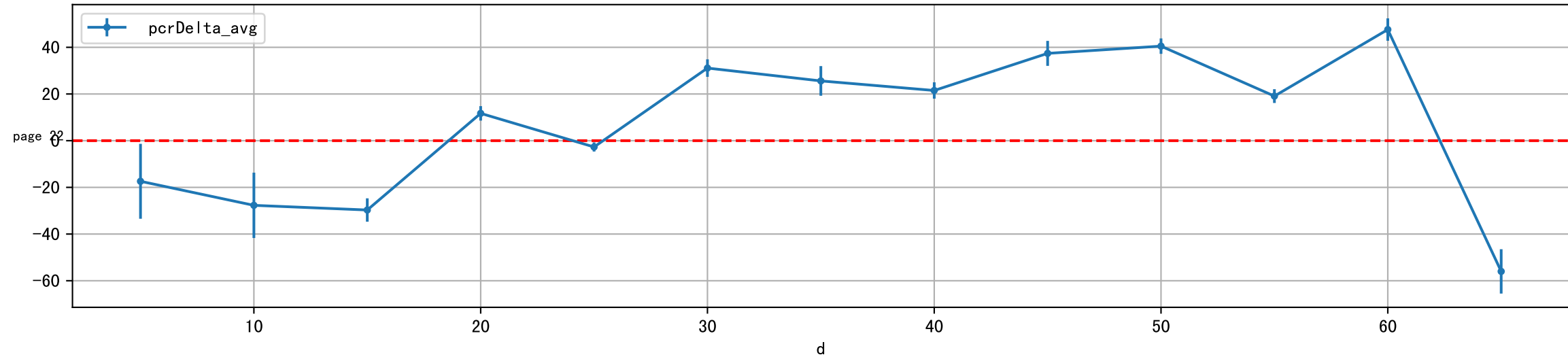
dStH: D_15d_StH



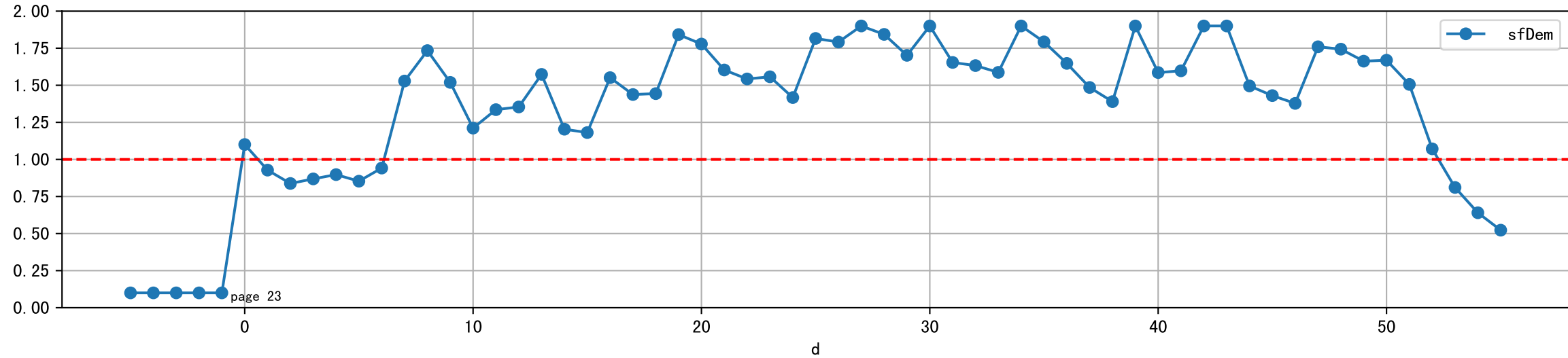
dStH: D_Q50_StH



dStH: D_Est_StH



dStH: sfDem



8.

11 -

14 .

17 -

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26 .

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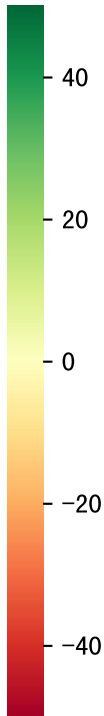
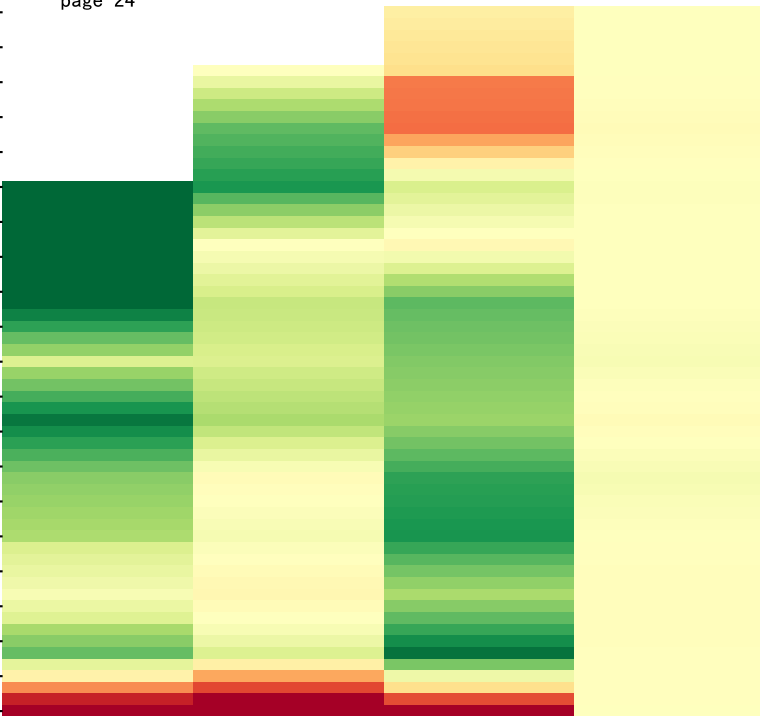
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59 .

62 .

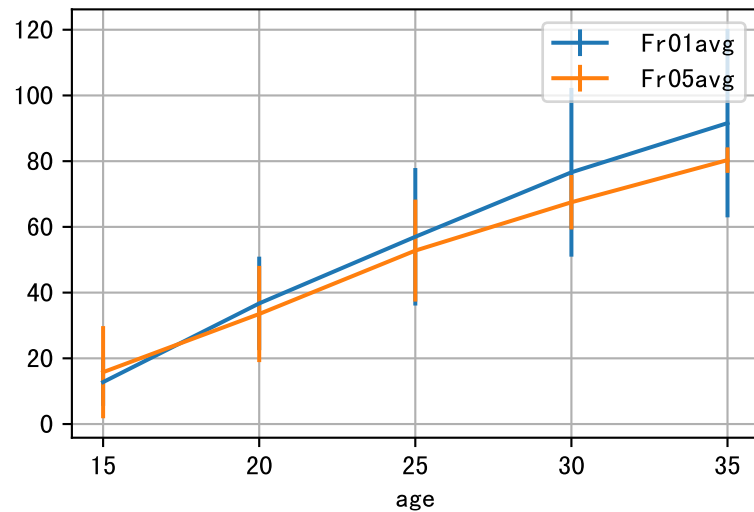
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9

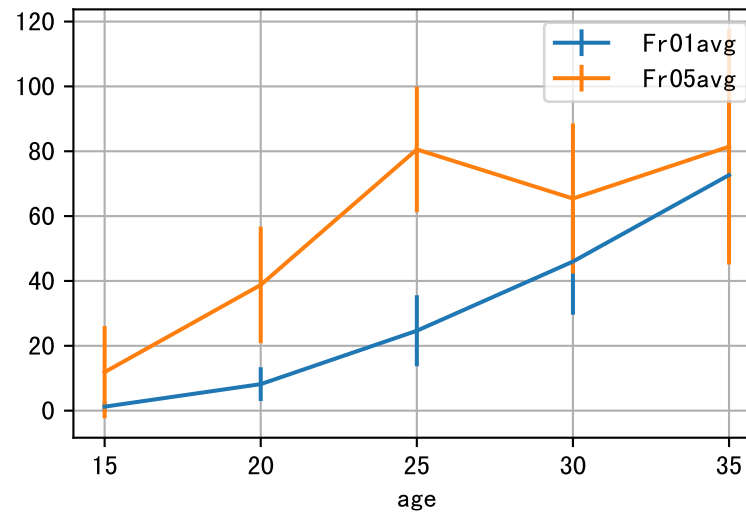


FrV: Fr01 vs Fr05 at each truss

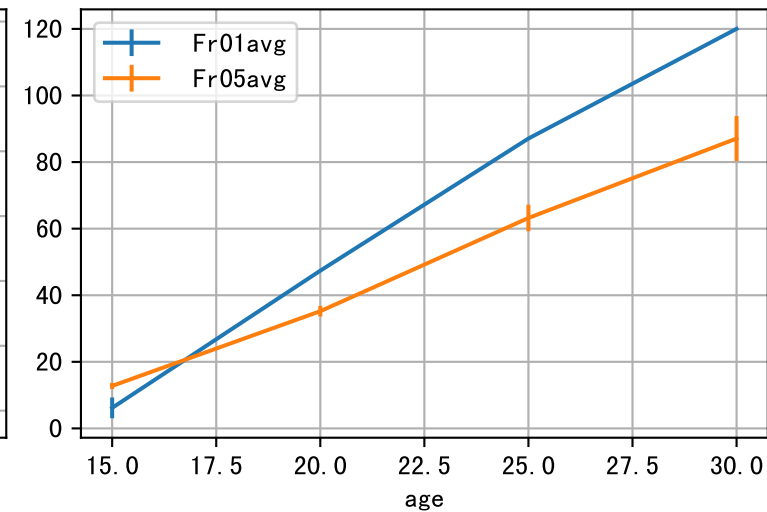
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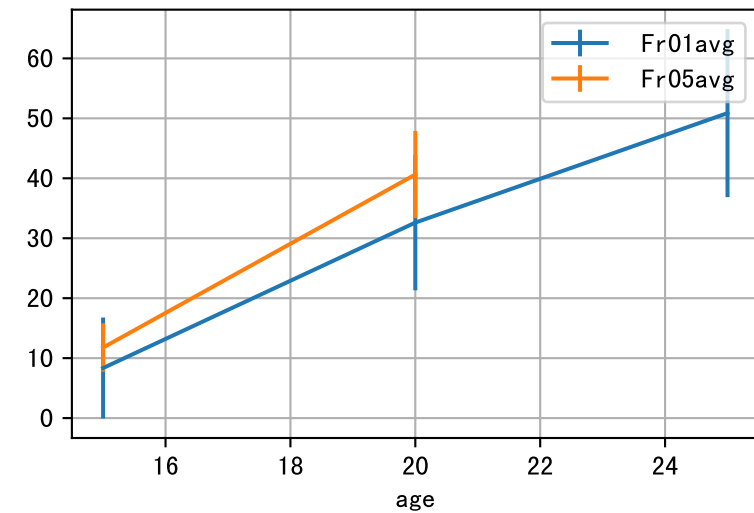
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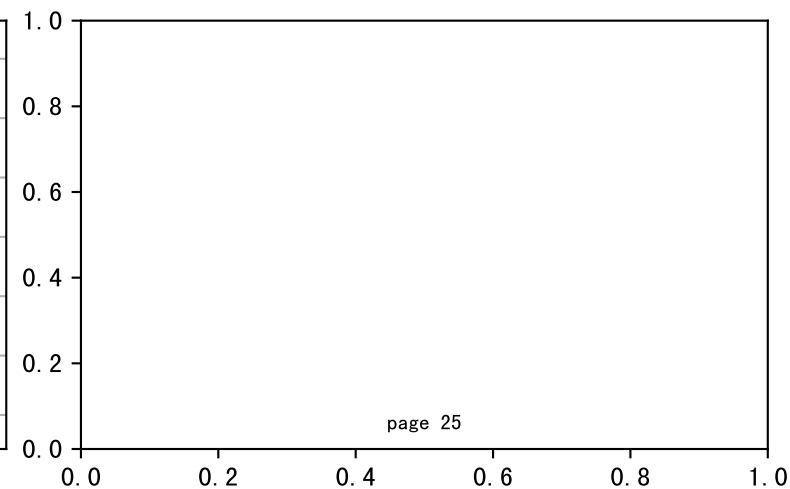
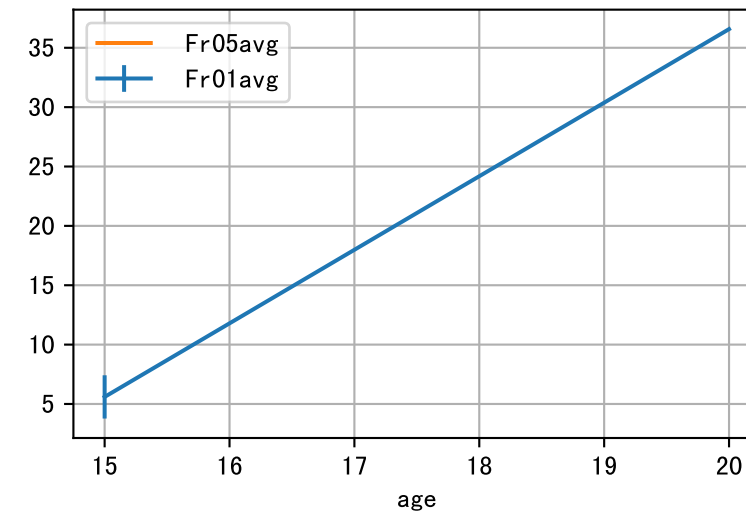
organID=T03



organID=T04

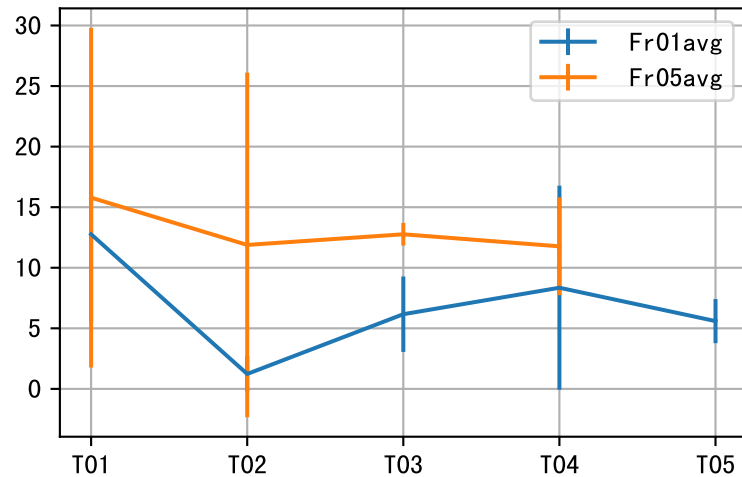


organID=T05

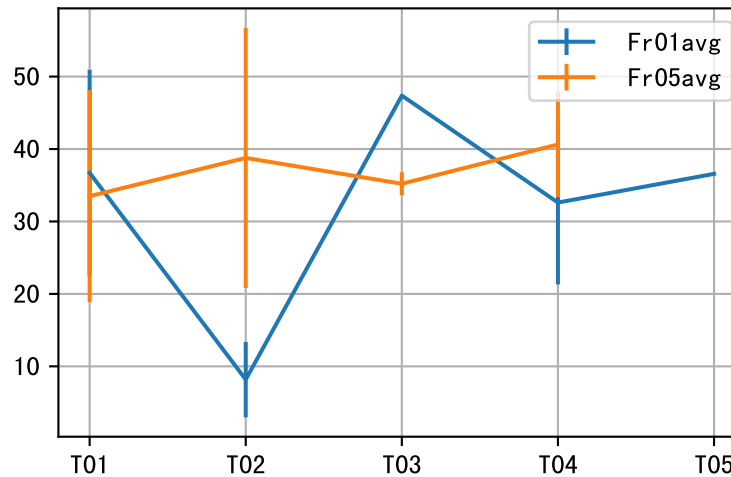


FrV trend at each age

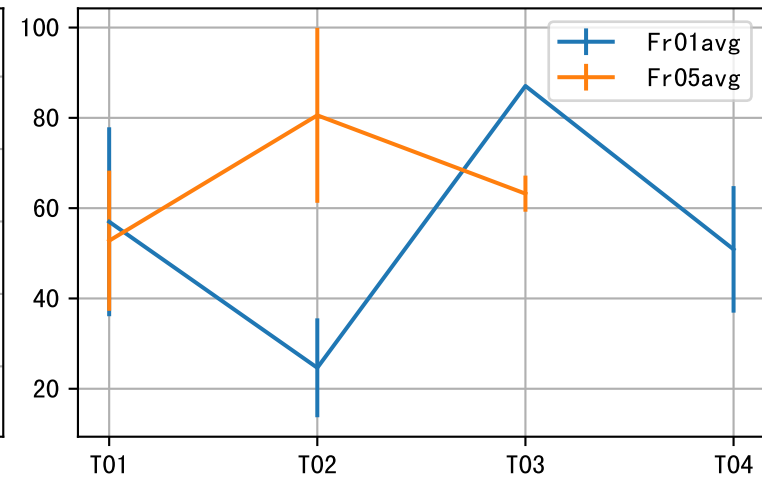
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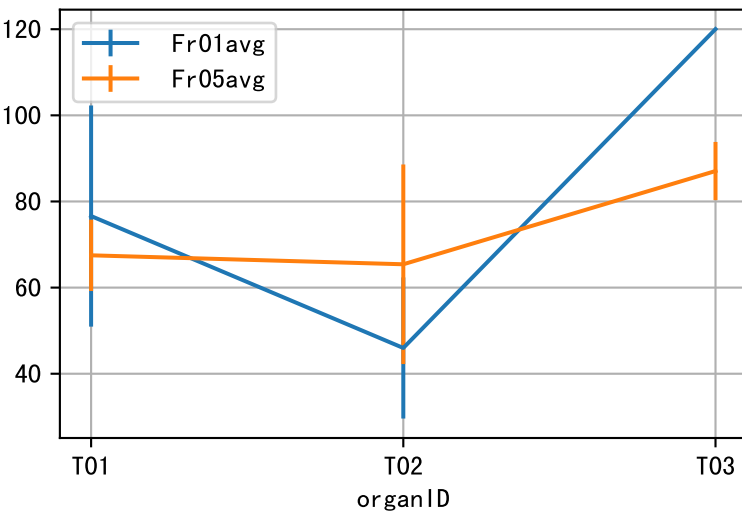
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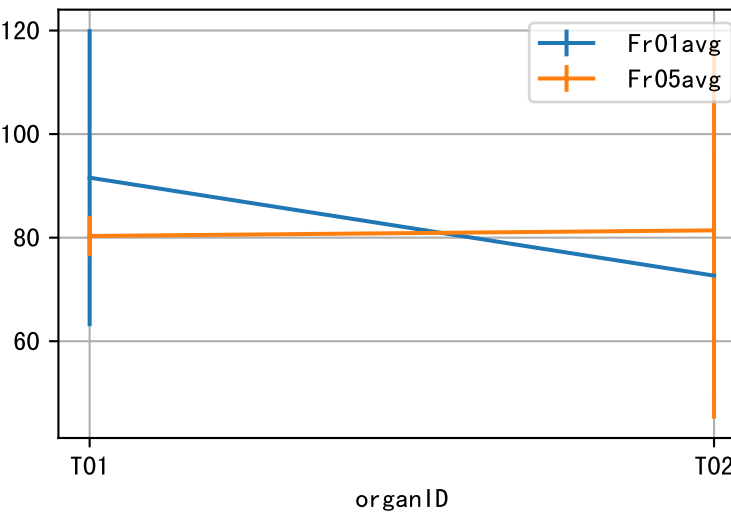
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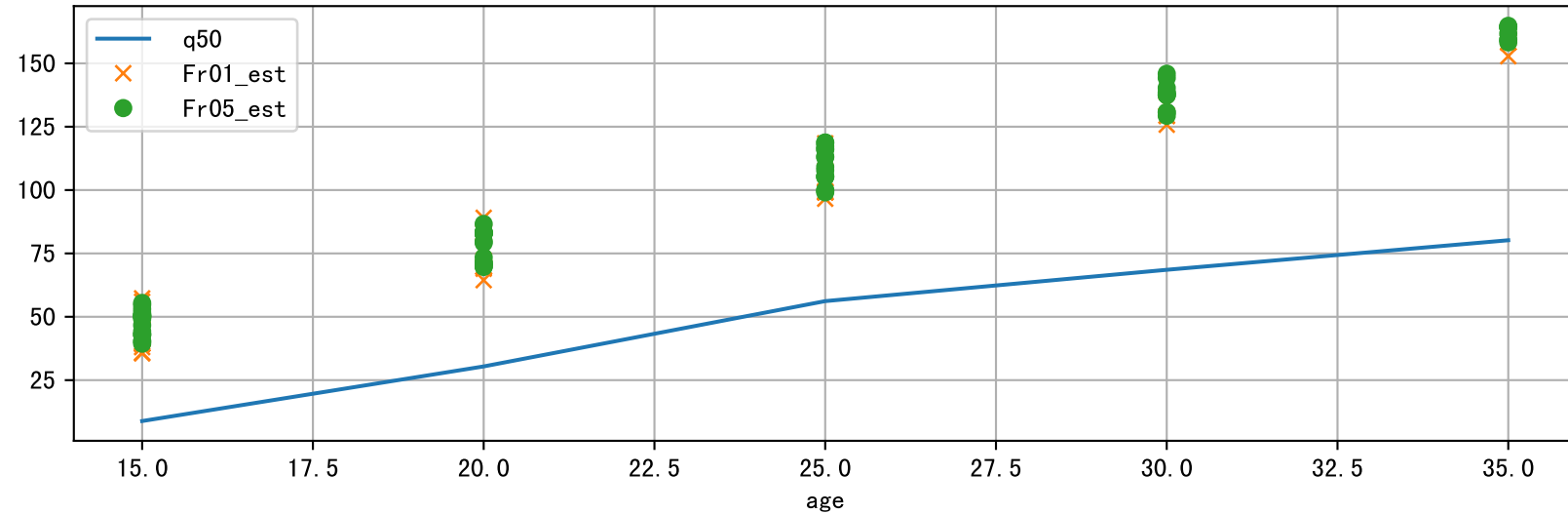
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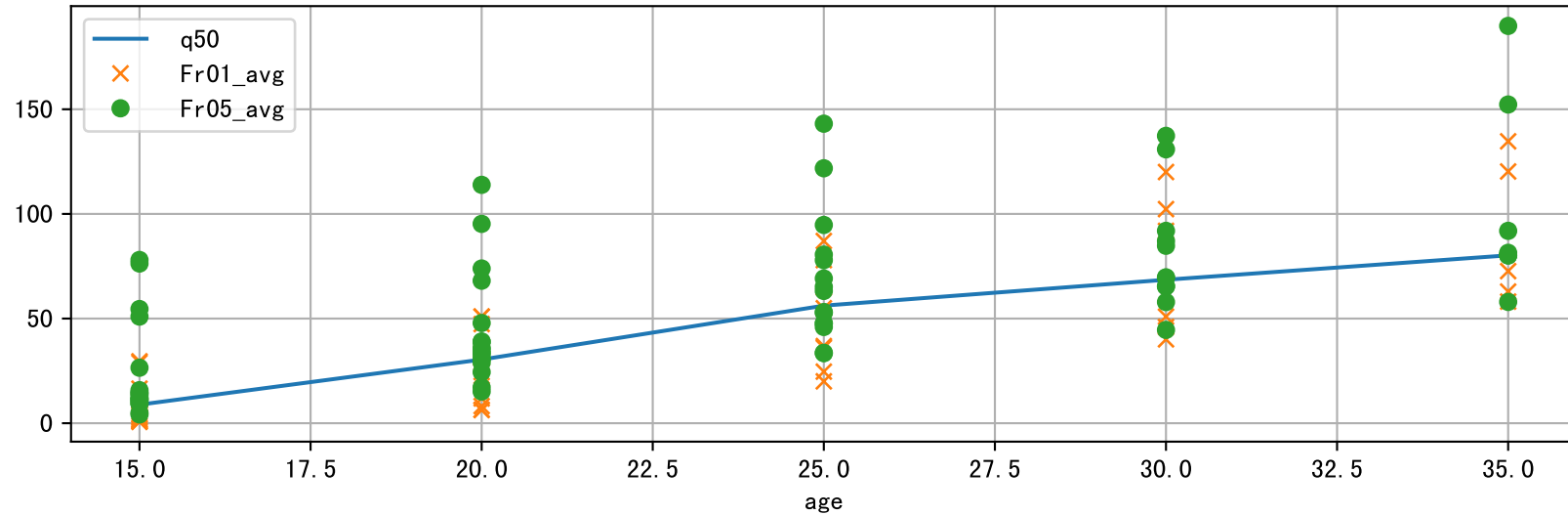
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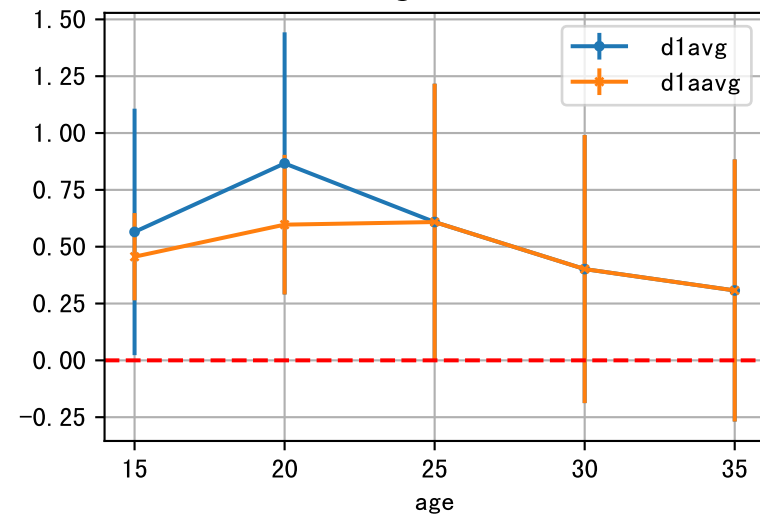
FrV: model Est vs obsFrV at Q90



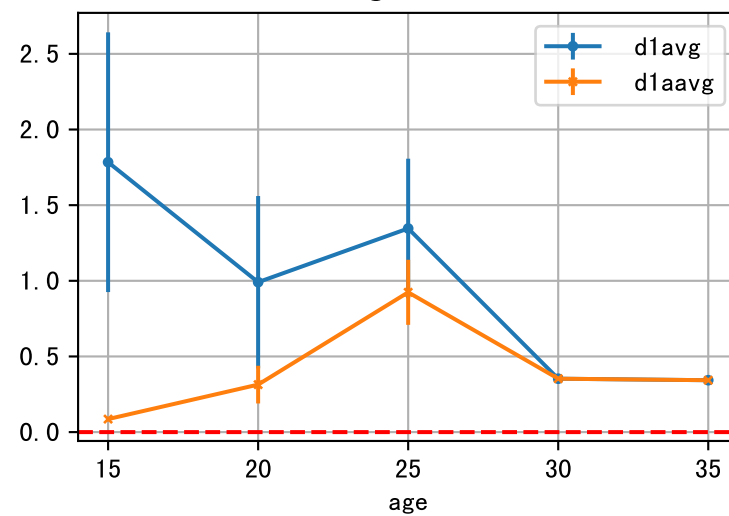
FrV: obsFrV vs obsFrV@Q90



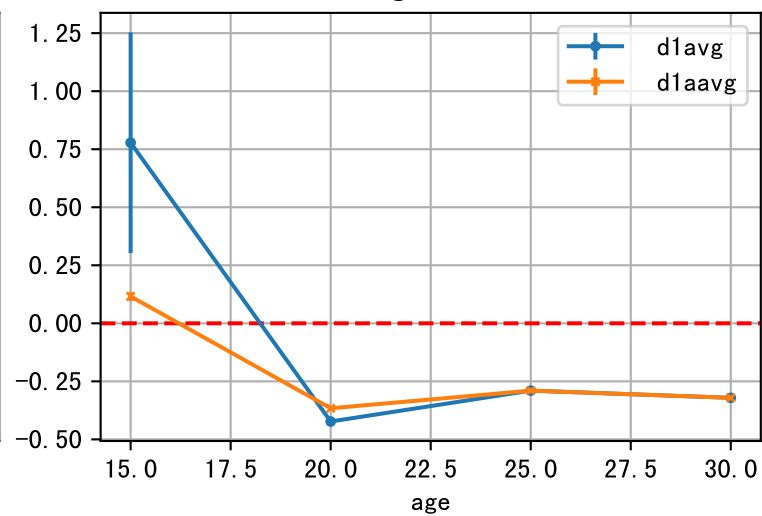
organID=1



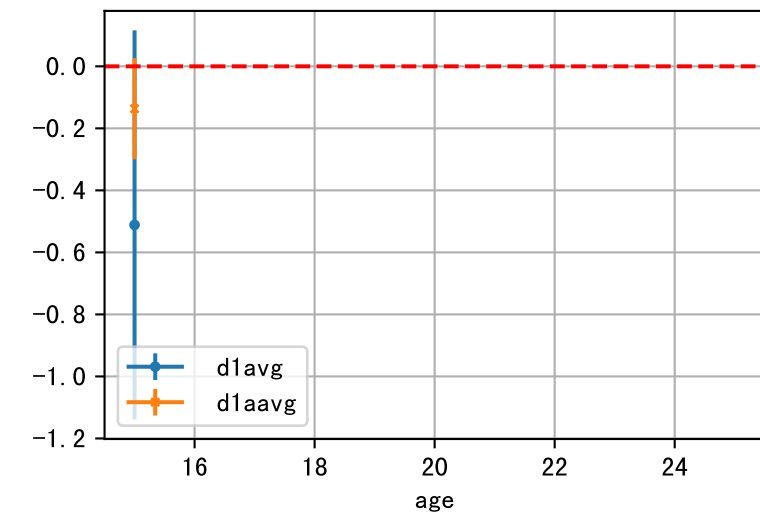
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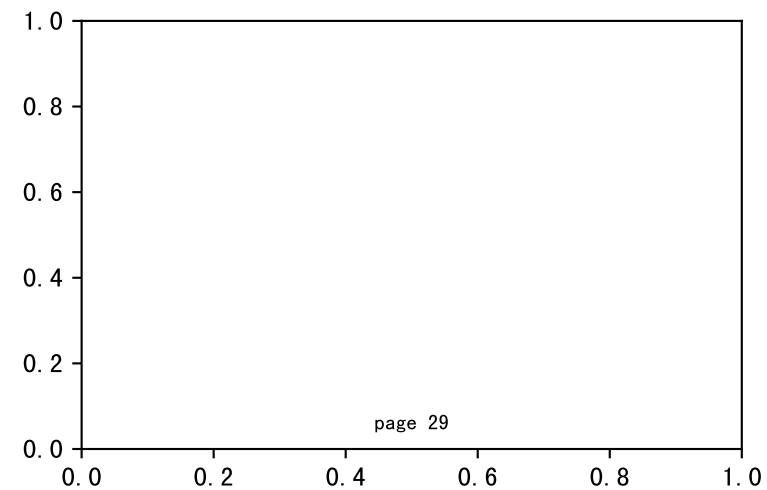
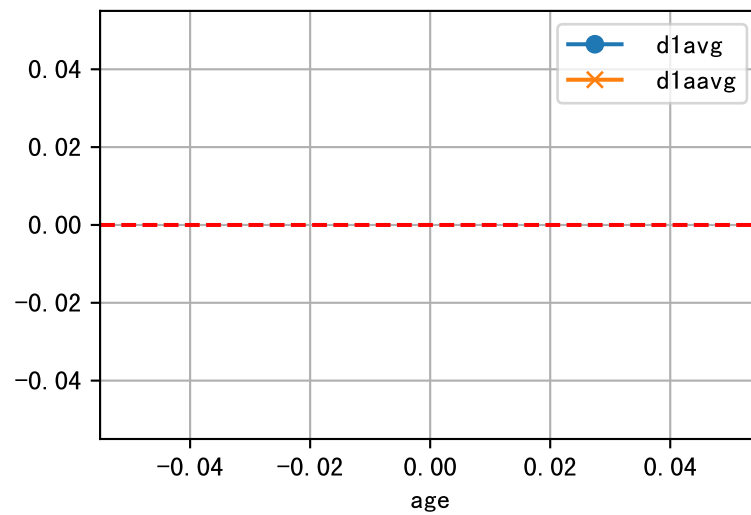
organID=3



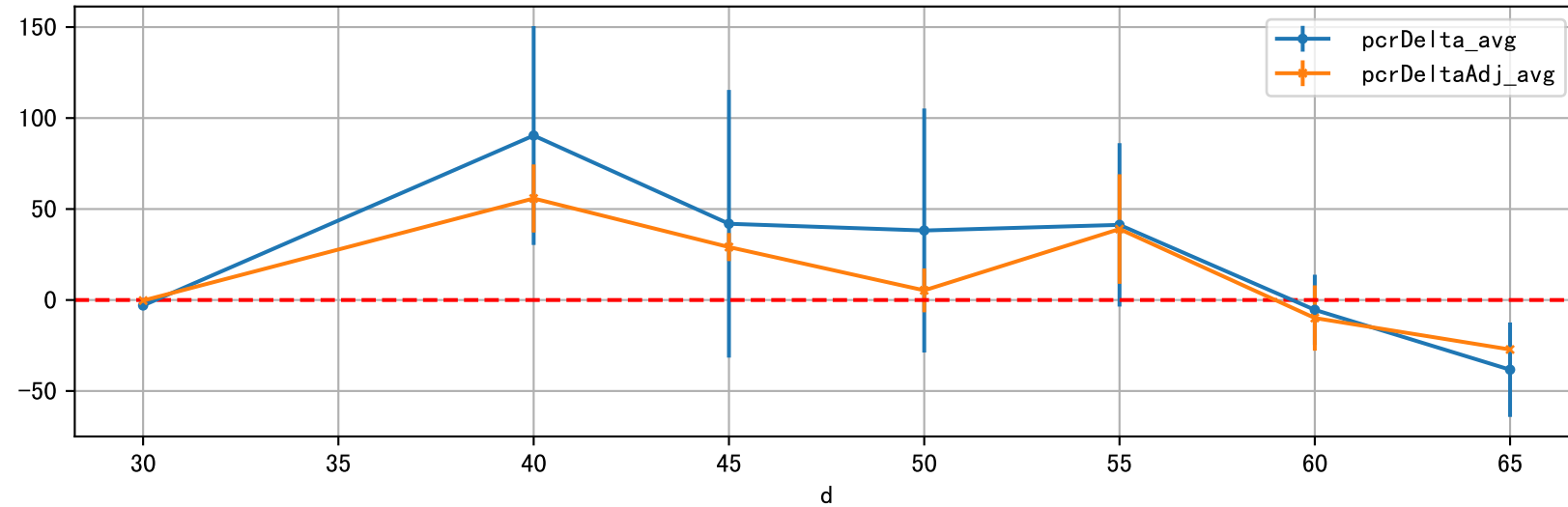
organID=4



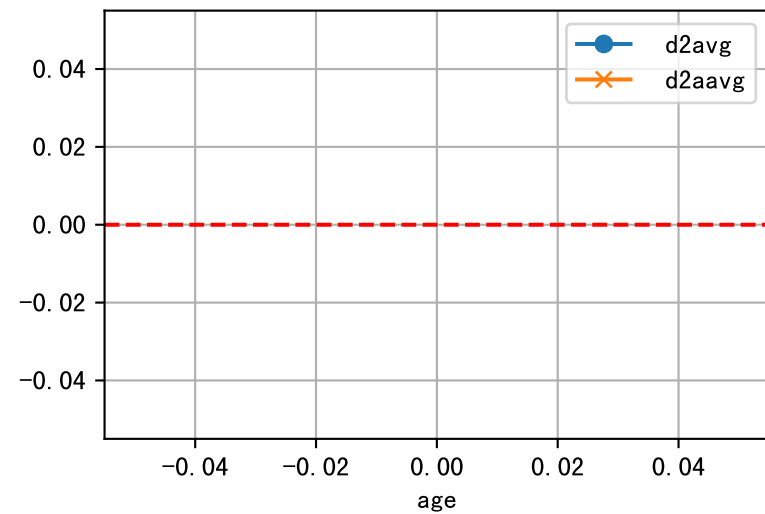
organID=5



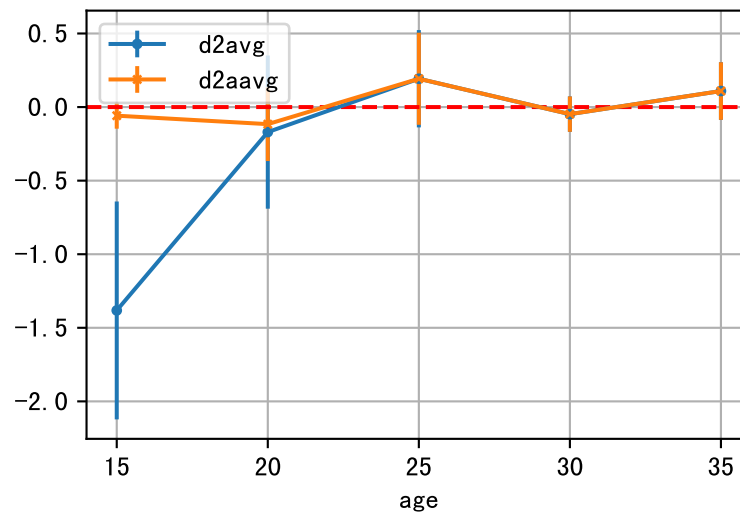
P6AE FrV: D_Fr1_FrV



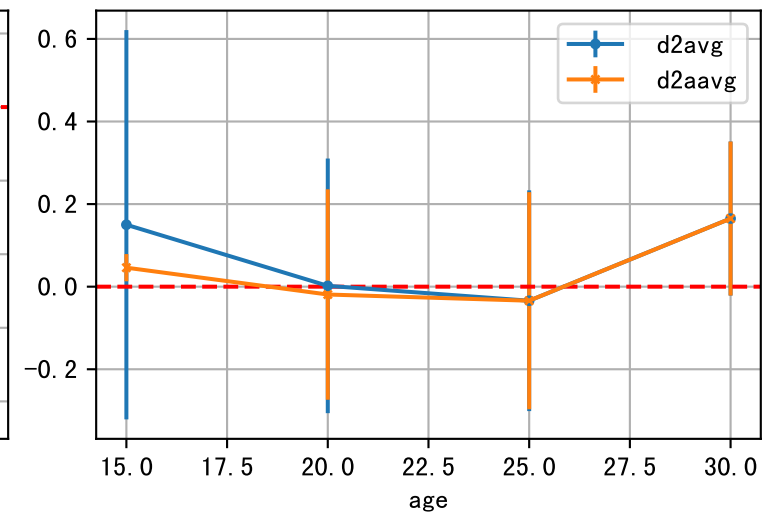
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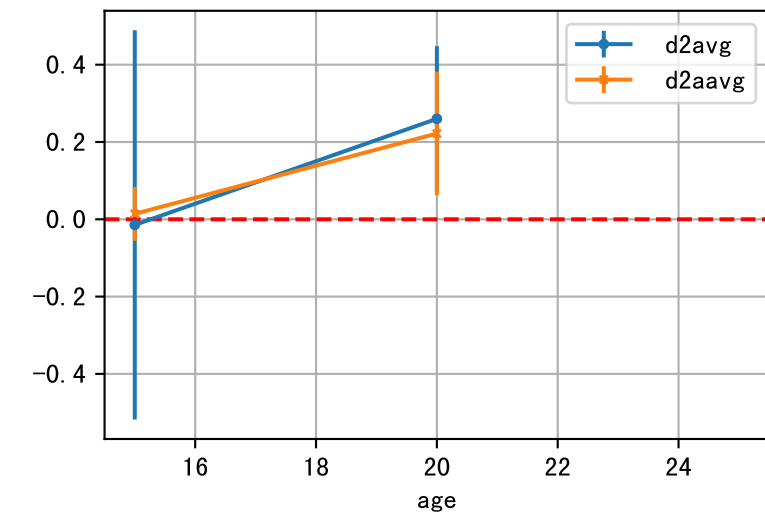
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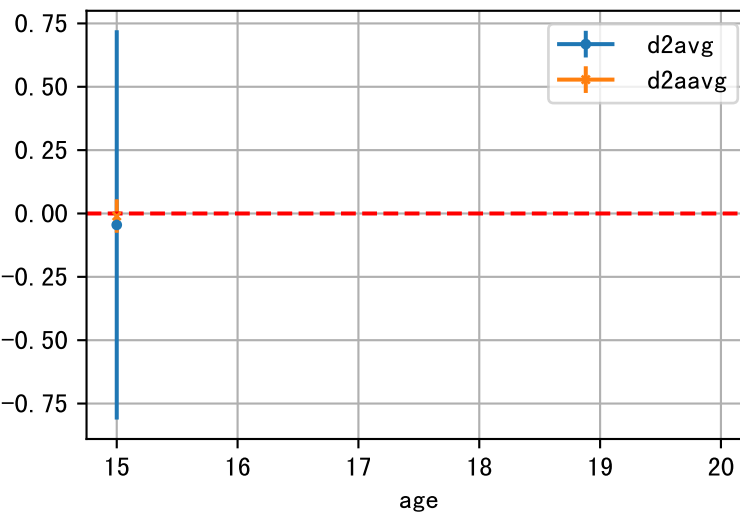
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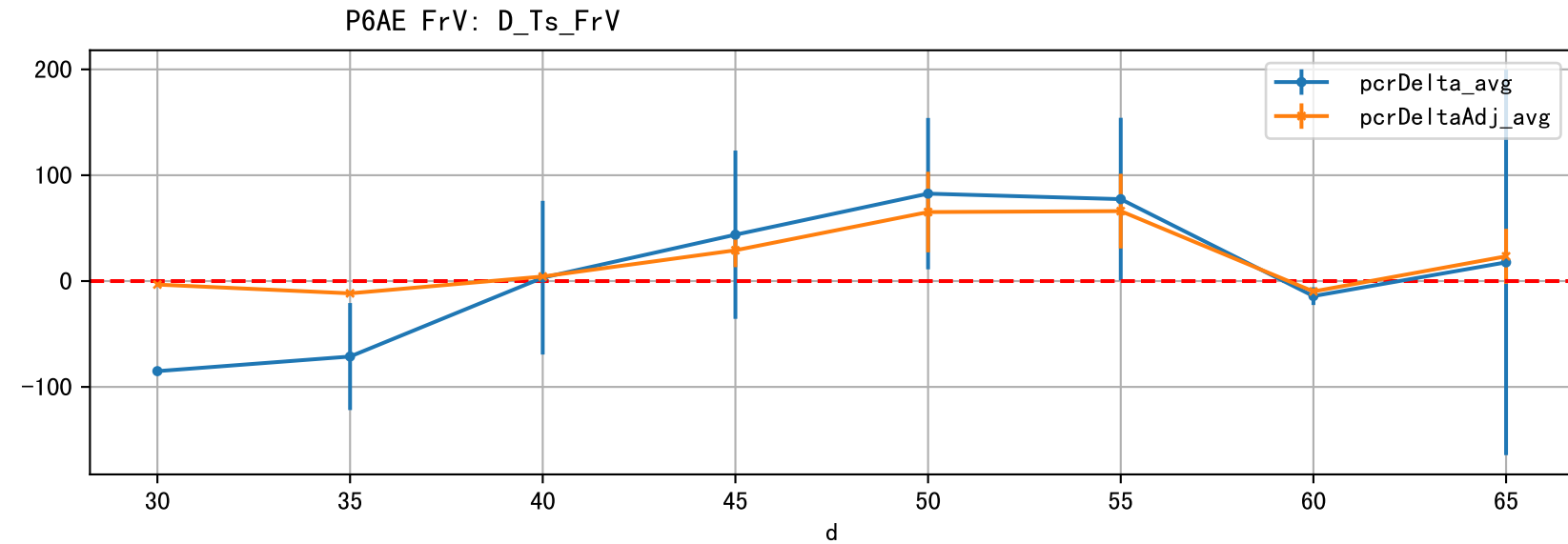


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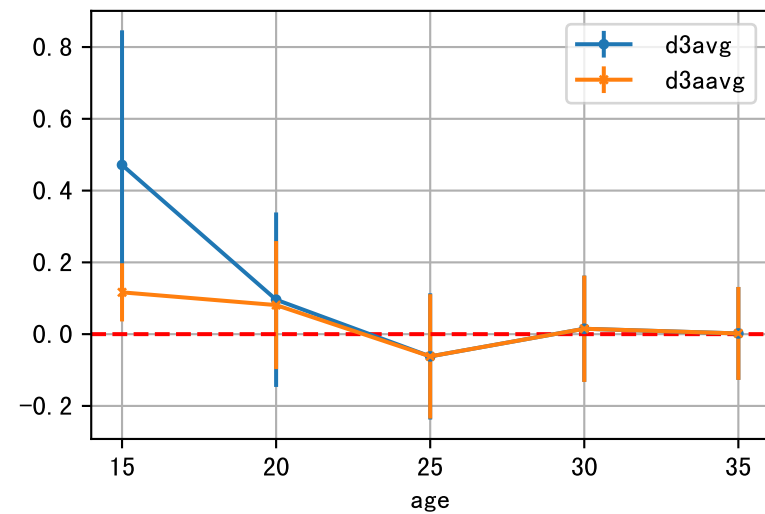


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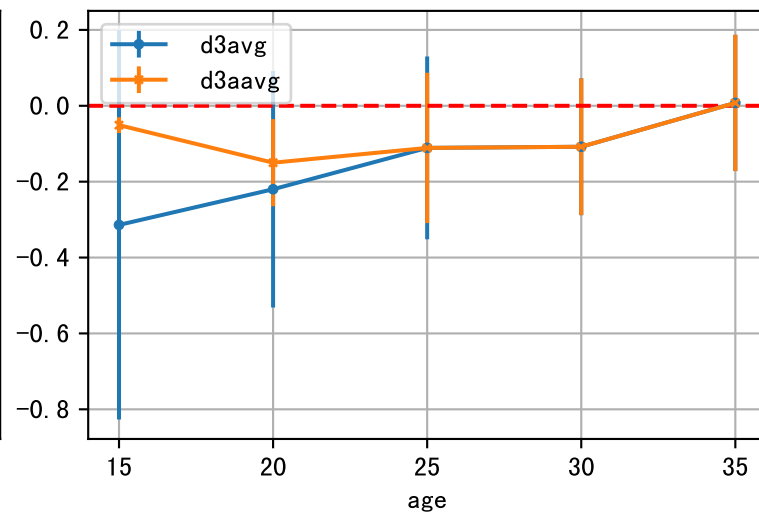




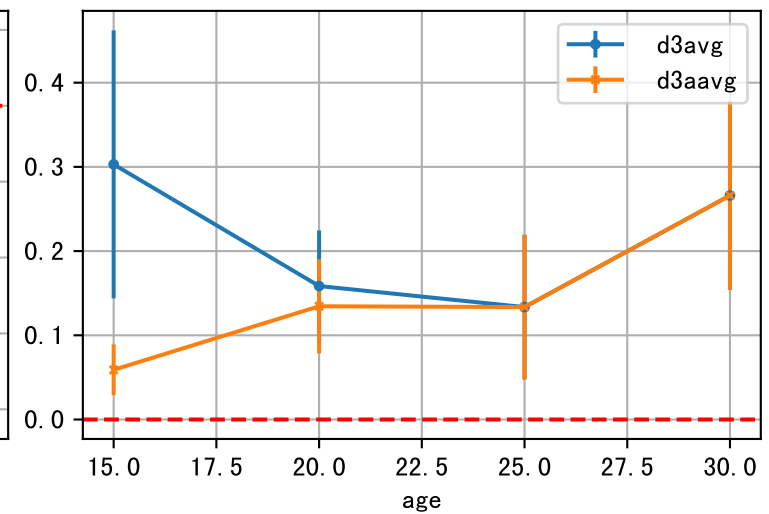
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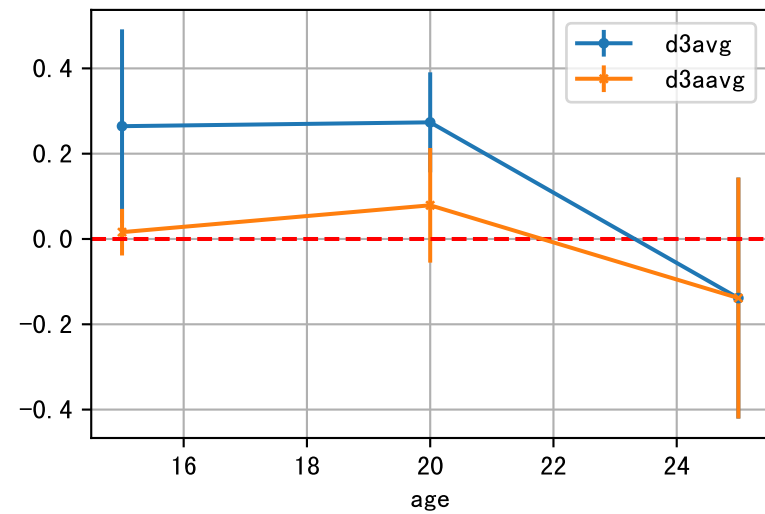
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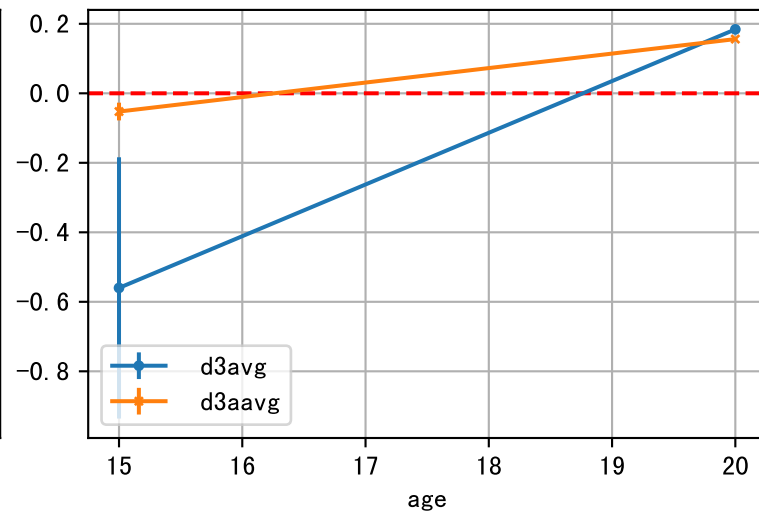
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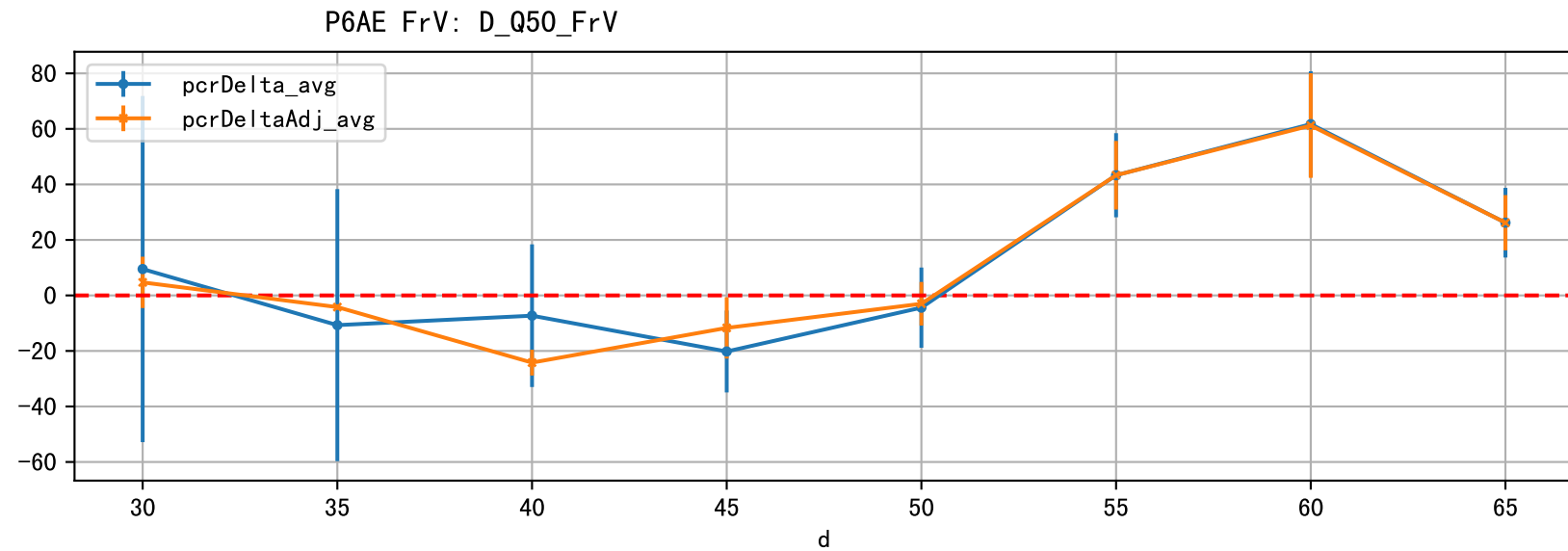


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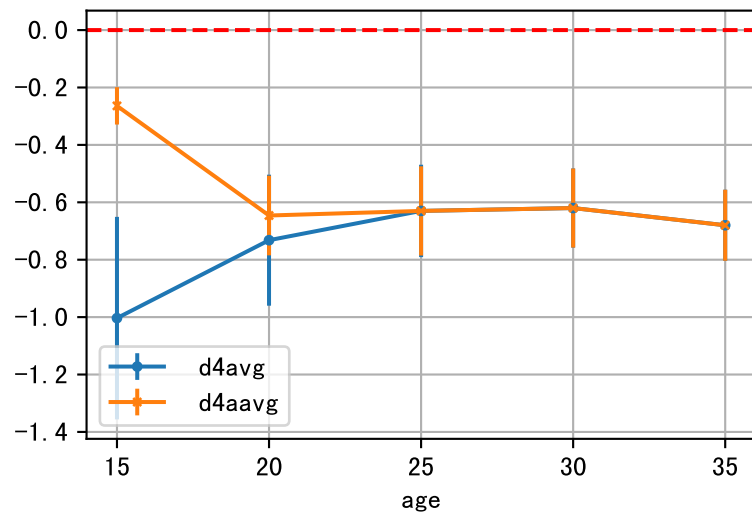


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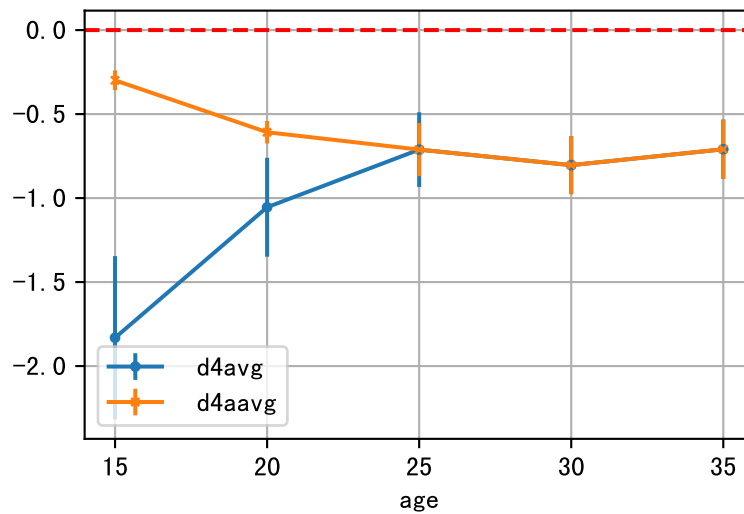




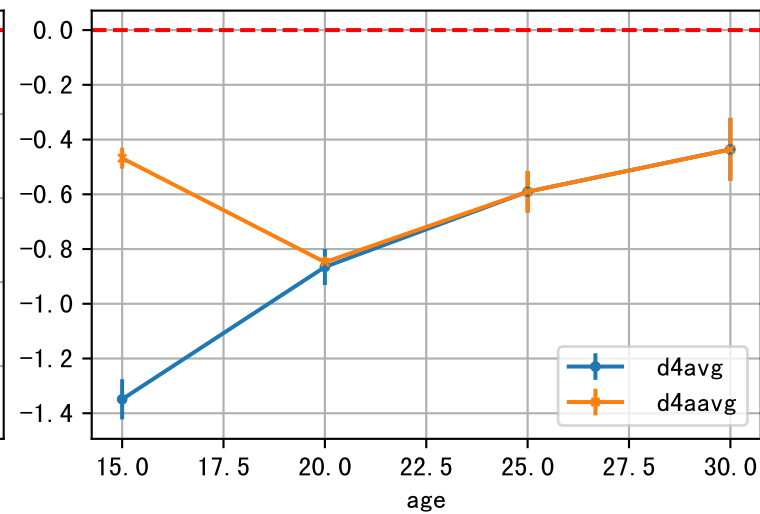
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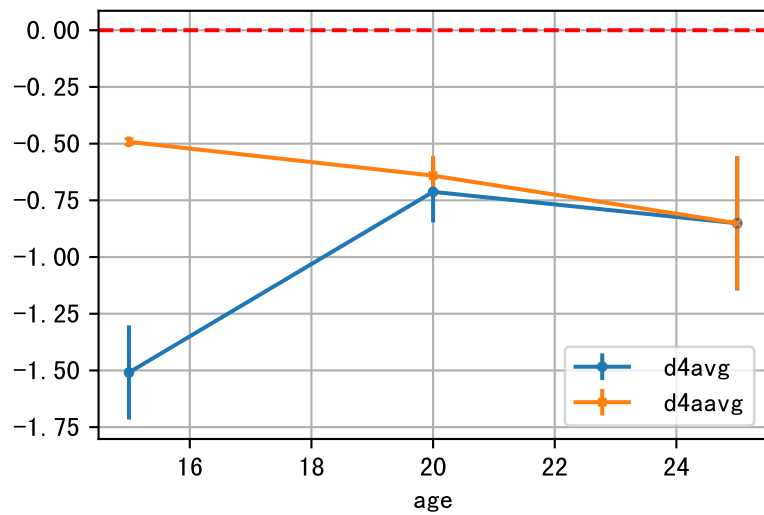
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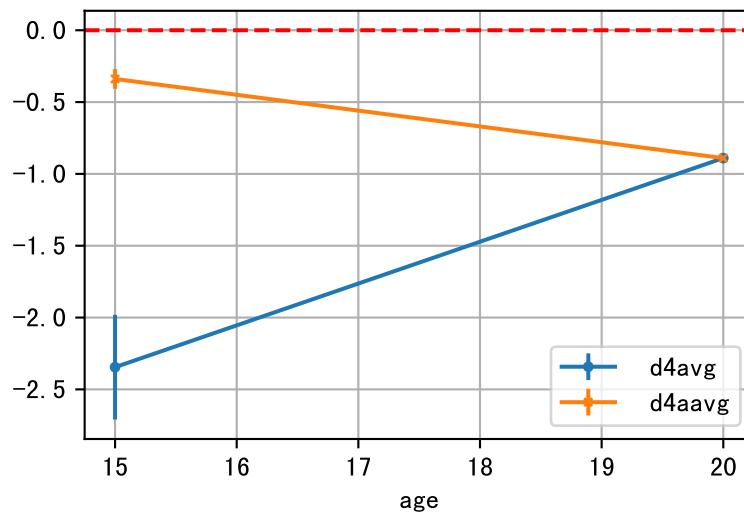
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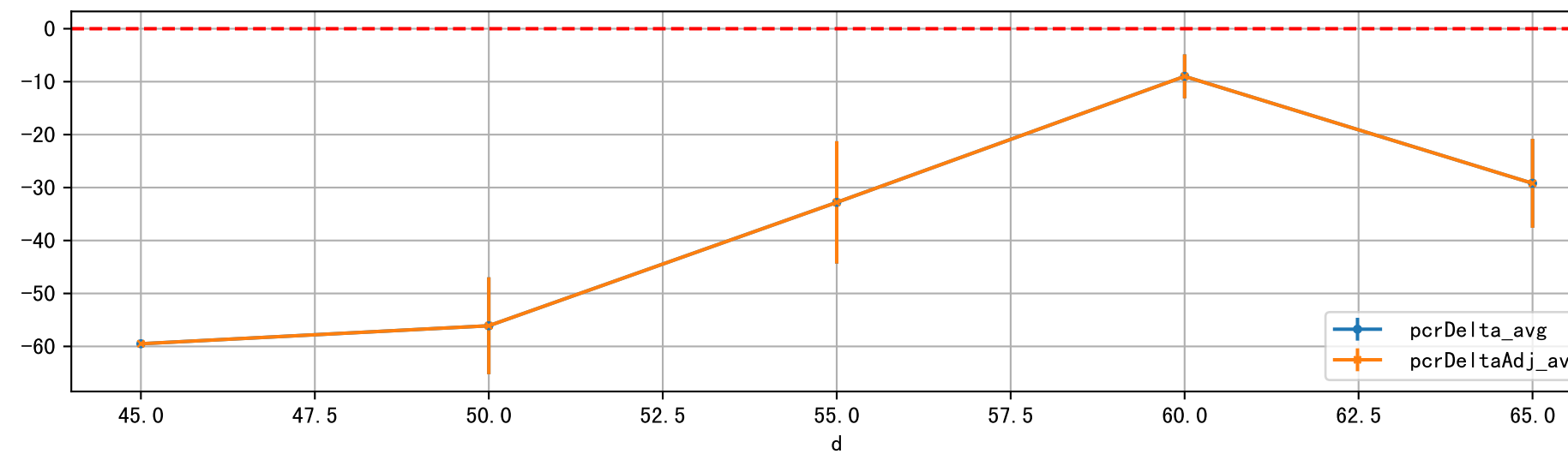
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organID=5



P6AE FrV: D_Est_FrV



P6AE FrV: sfDem

