

Phenotype Data Analysis Plots

PhenoData day range = 5 – 62

Analysis cutoff day = 62

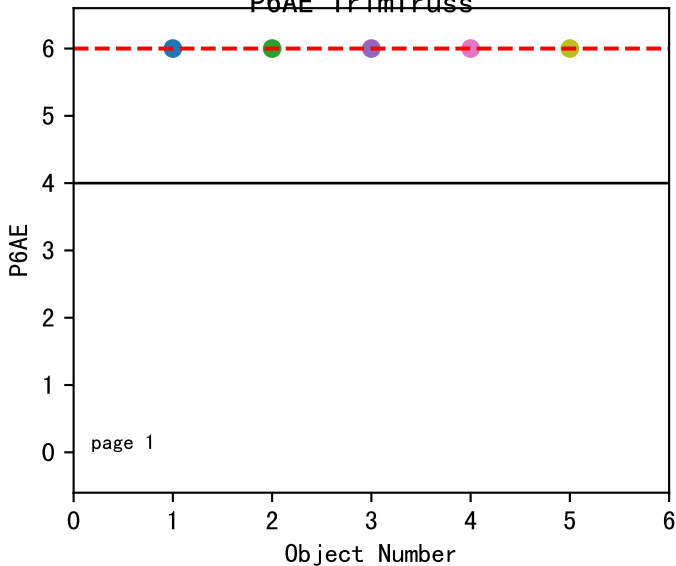
NC11 P6

2025-06-07 (Day 63)

TrussNodeMaxPerStem (Def=4.0 Set=6)

avg1=6.0~0% avg2=na

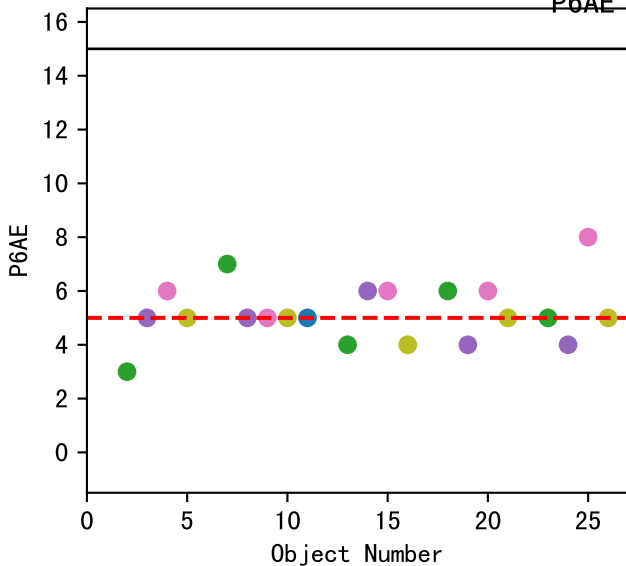
P6AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

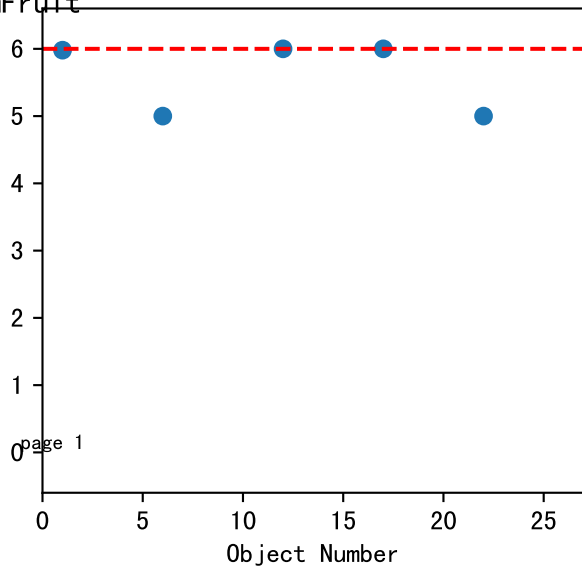
avg1=5.0~17% avg2=na

P6AE TrimFruit

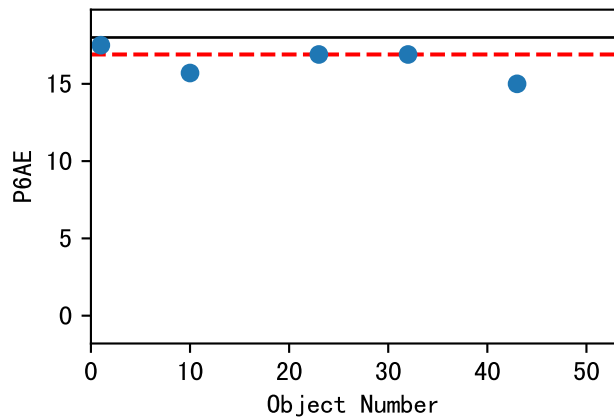


FruitNumMaxPerTruss (Def=na Set=6)

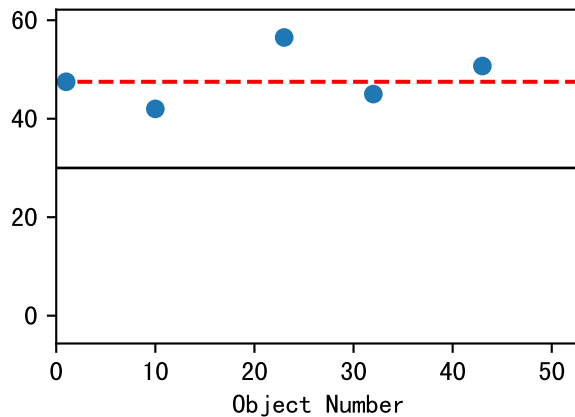
avg1=6.0~9% avg2=na



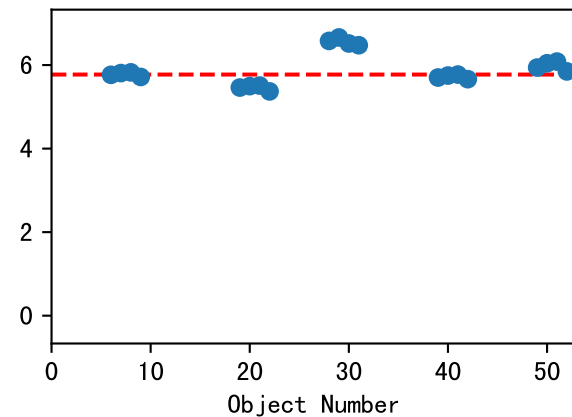
NdD_Q90AbsY (Def=18 Set=16.9)
avg1=16.9~6% avg2=na



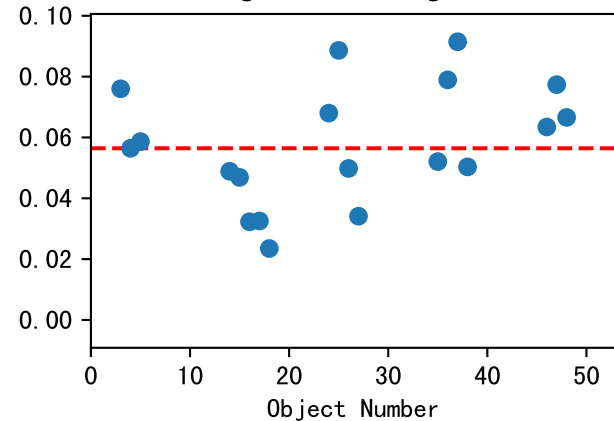
LfW_Q90AbsY (Def=30 Set=47.5)
avg1=47.5~18% avg2=na



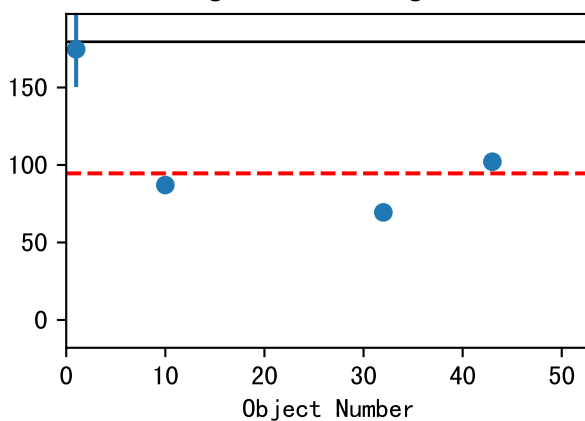
NdL_avgAbsY (Def=na Set=5.77)
avg1=5.77~6% avg2=na



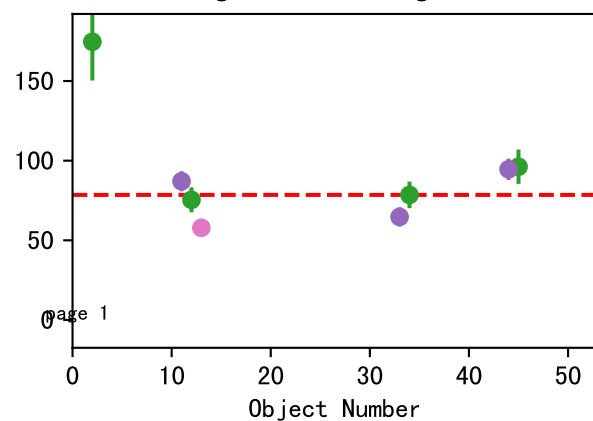
LfA_avgAbsY (Def=na Set=0.06)
avg1=0.06~35% avg2=na



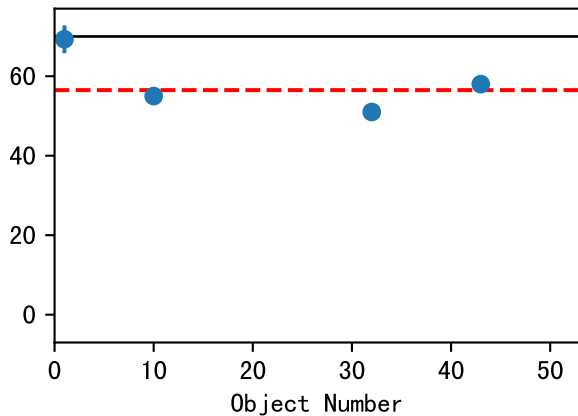
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=94.59~49% avg2=na



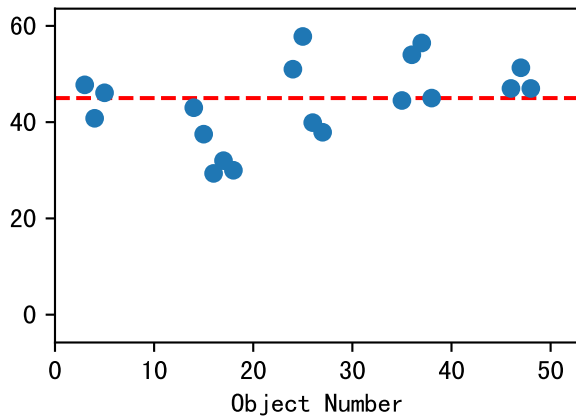
FrV_avgAbsY (Def=na Set=78.51)
avg1=78.51~19% avg2=na



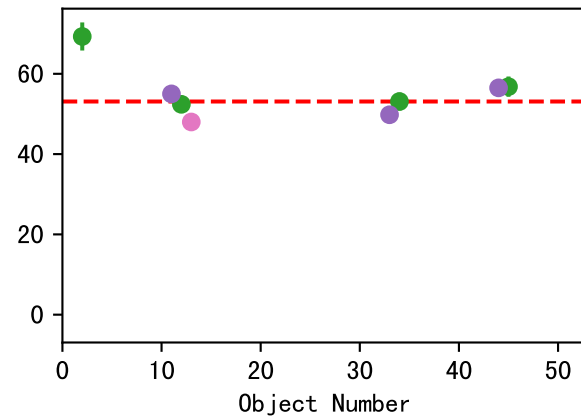
FrD_Q90AbsY (Def=70 Set=56.5)
avg1=56.5~14% avg2=na



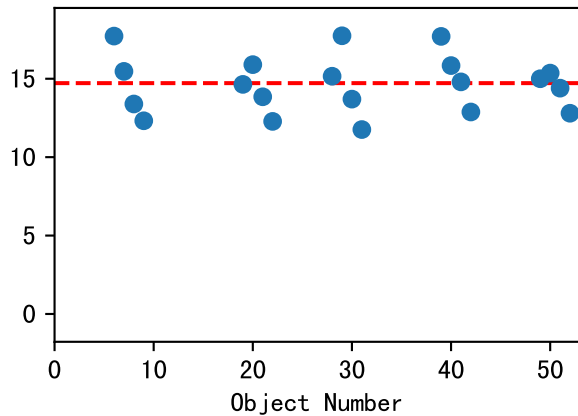
LfW_avgAbsY (Def=na Set=45.0)
avg1=45.0~18% avg2=na



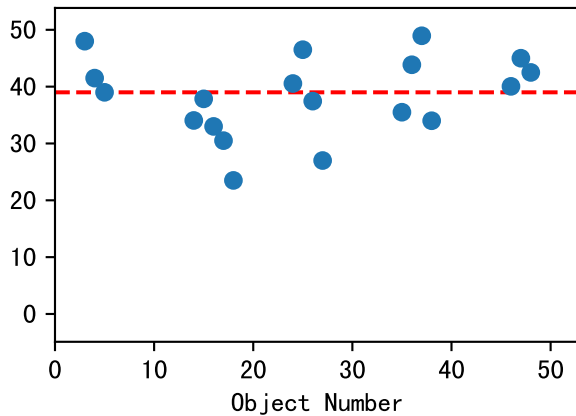
FrD_avgAbsY (Def=na Set=53.1)
avg1=53.1~6% avg2=na



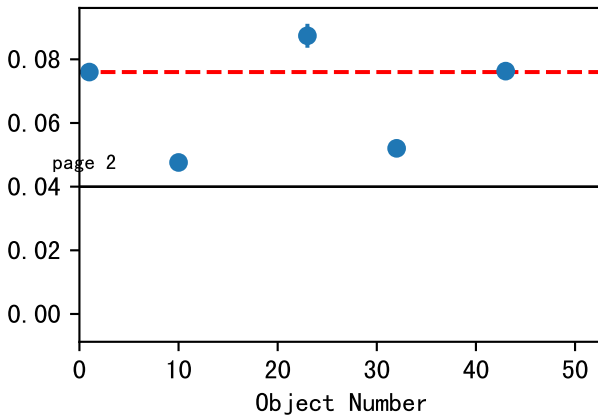
NdD_avgAbsY (Def=na Set=14.72)
avg1=14.72~12% avg2=na



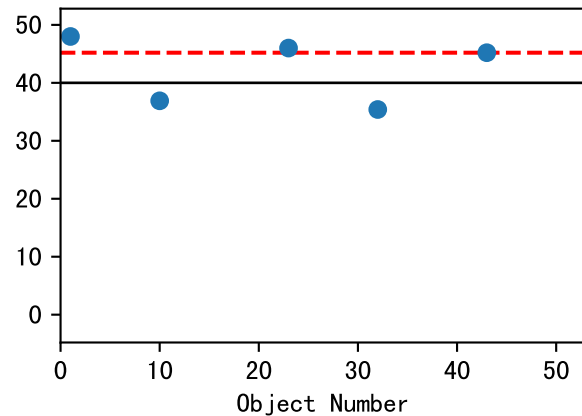
LfL_avgAbsY (Def=na Set=39.0)
avg1=39.0~18% avg2=na



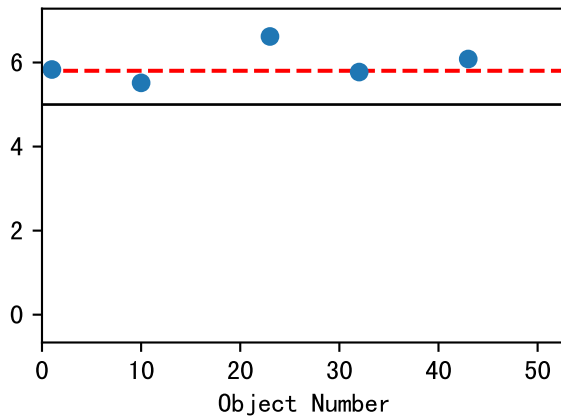
LfA_Q90AbsY (Def=0.04 Set=0.08)
avg1=0.08~23% avg2=na



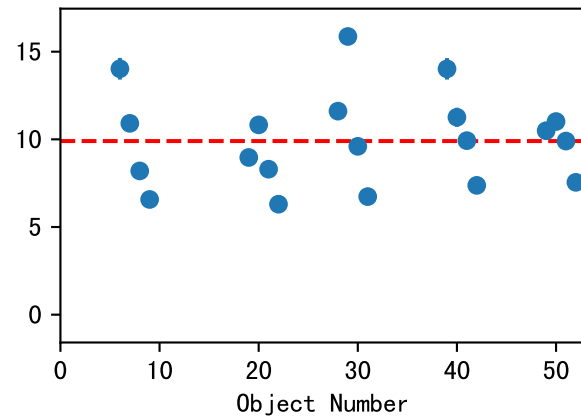
LfL_Q90AbsY (Def=40 Set=45.2)
avg1=45.2~13% avg2=na



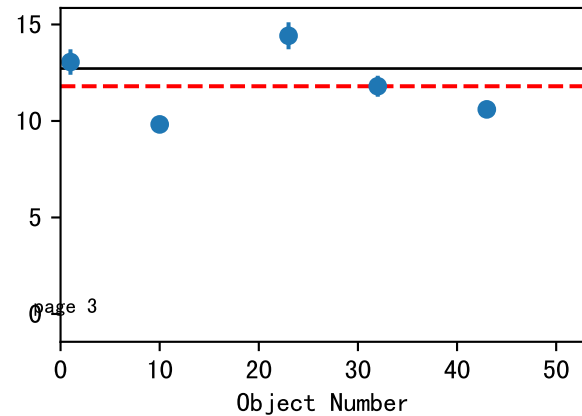
NdL_Q90AbsY (Def=5 Set=5.8)
avg1=5.8~4% avg2=na



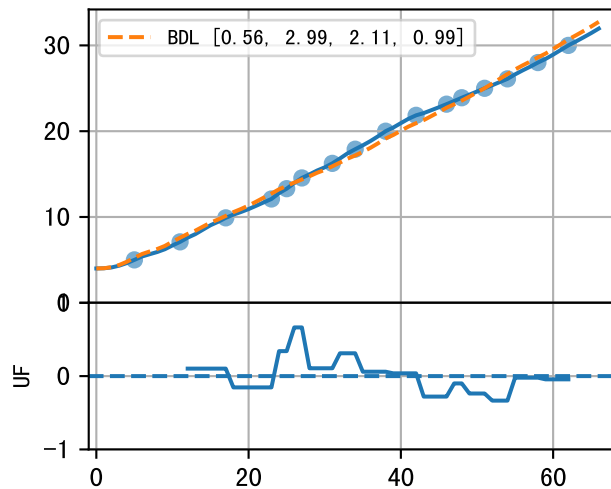
NdV_avgAbsY (Def=na Set=9.9)
avg1=9.9~23% avg2=na



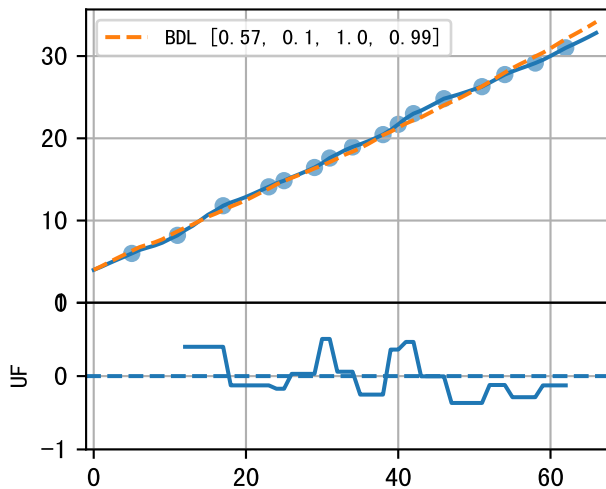
NdV_Q90AbsY (Def=12.72 Set=11.8)
avg1=11.8~16% avg2=na



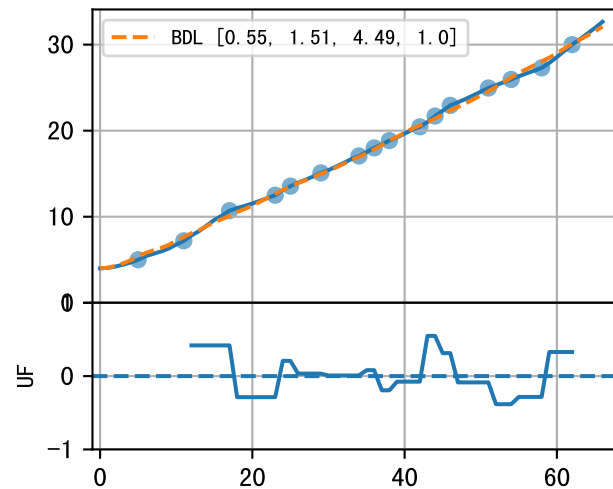
P6AE-007-10 (fit failed)



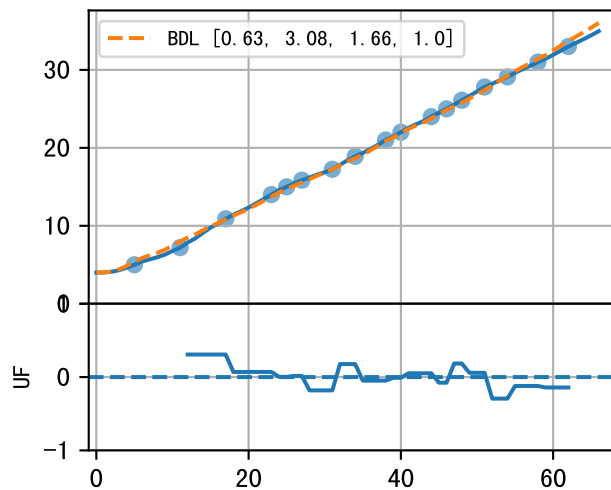
P6AE-014-10 (fit failed)



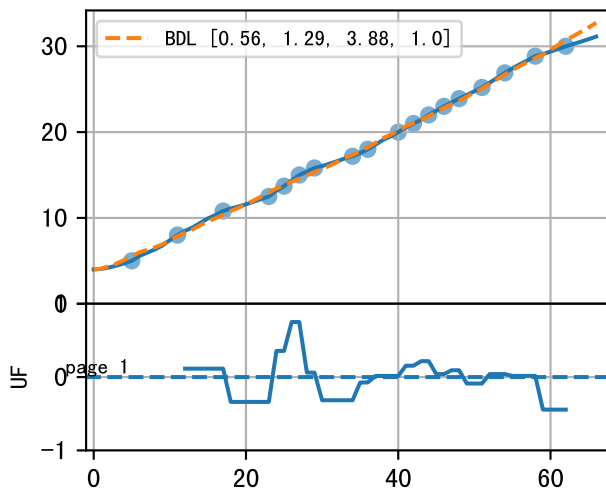
P6AE-026-25 (fit failed)



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

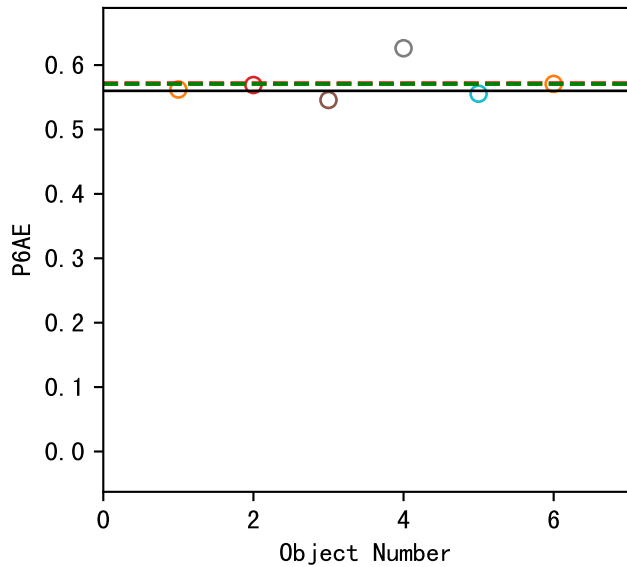
30

40

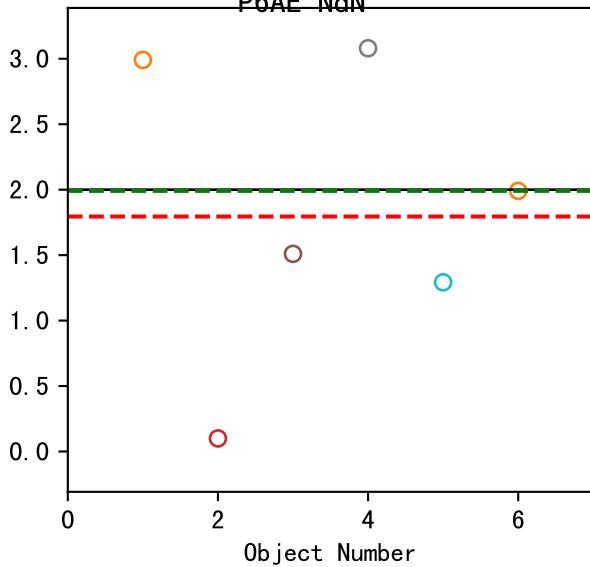
50

60

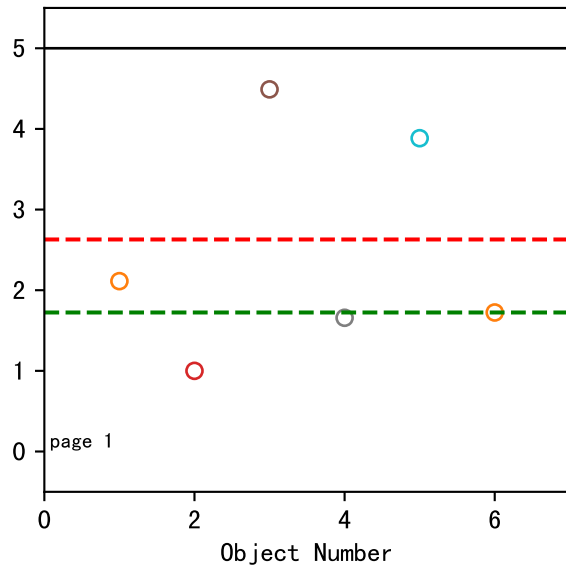
a (Def=0.56 Set=0.57)
avg1=0.57(fail) avg2=0.57



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



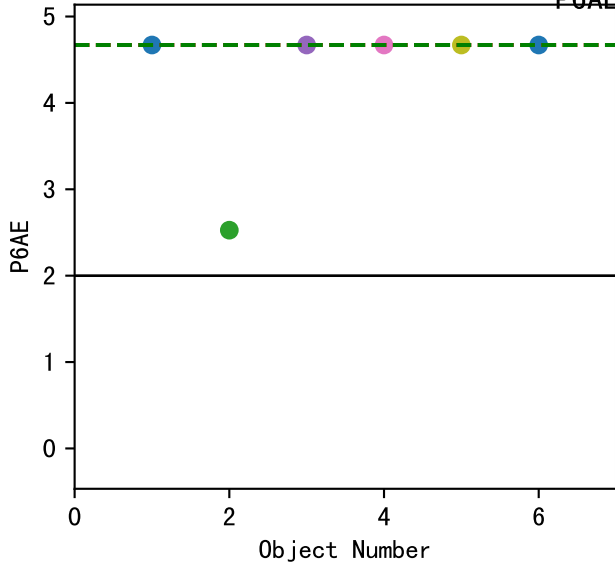
de (Def=5 Set=1.72)
avg1=2.63(fail) avg2=1.72



InitDev_dm (Def=2 Set=4.67)

avg1=4.67~0% avg2=4.67

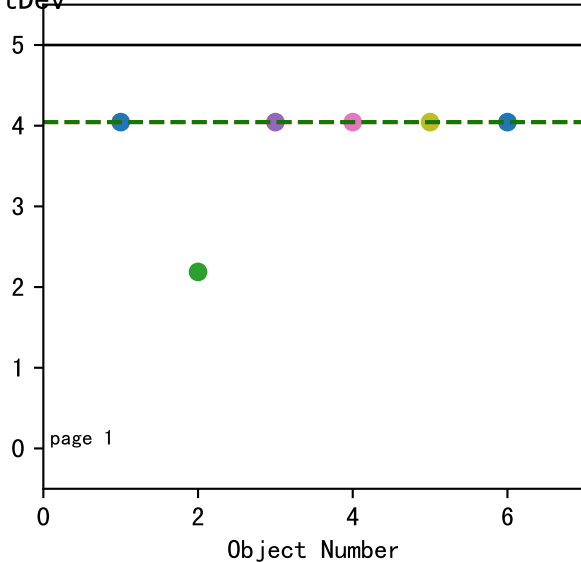
P6AE



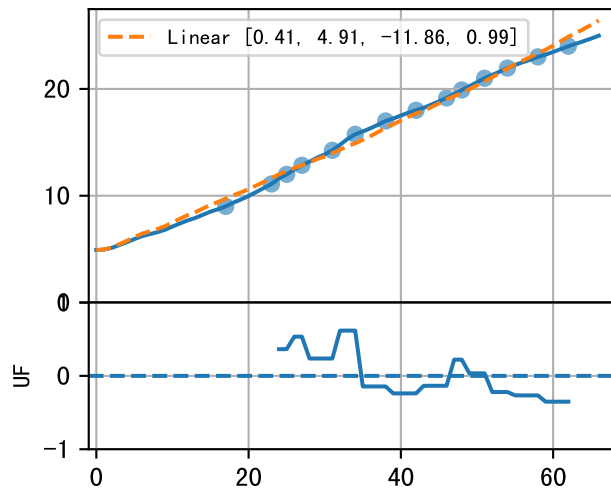
InitDev_de (Def=5 Set=4.04)

avg1=4.04~0% avg2=4.04

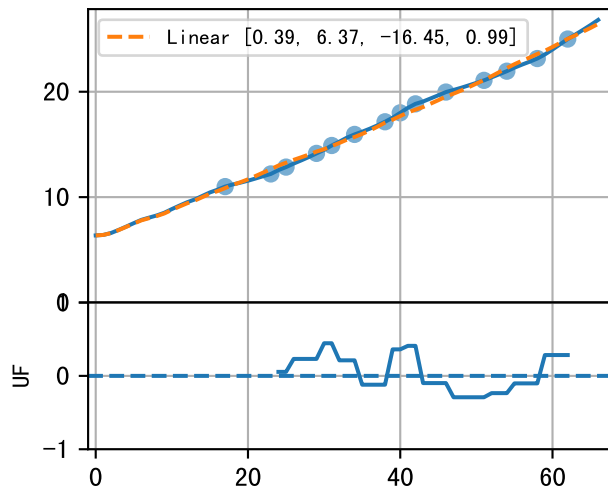
InitDev



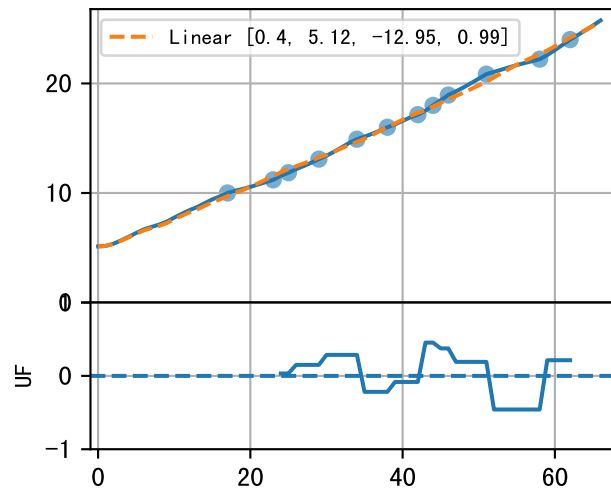
P6AE-007-10



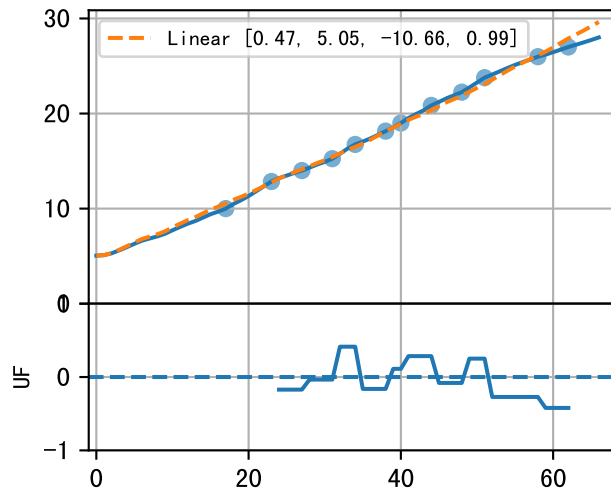
P6AE-014-17



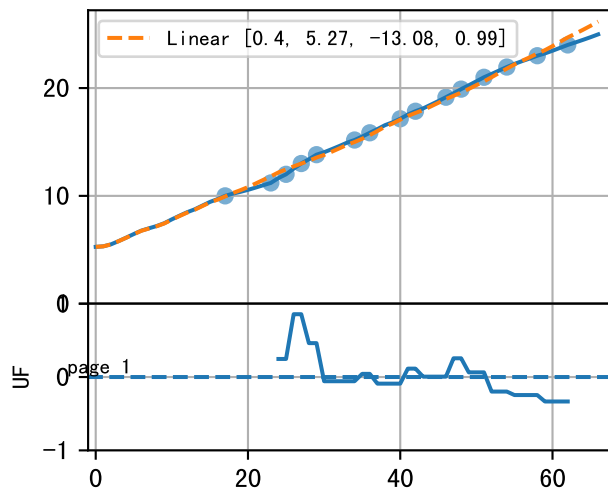
P6AE-026-25



P6AE-033-4



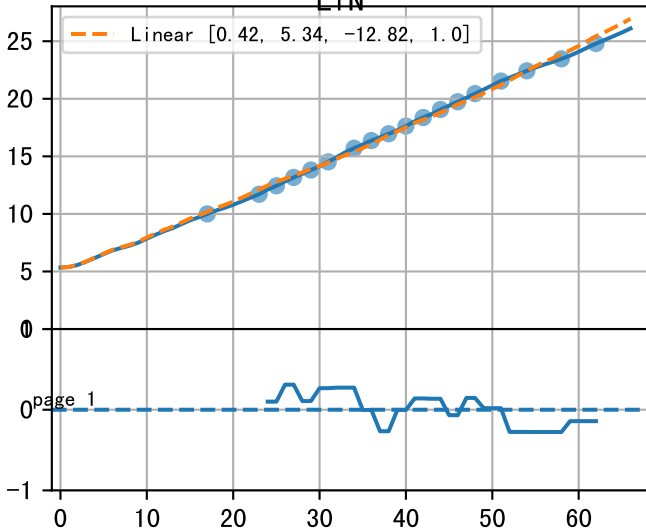
P6AE-045-12



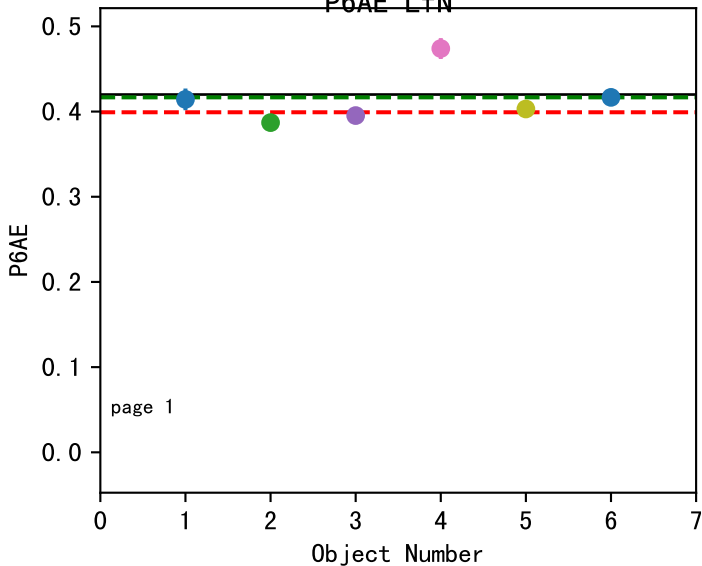
P6AEavg
Lfn

Linear [0.42, 5.34, -12.82, 1.0]

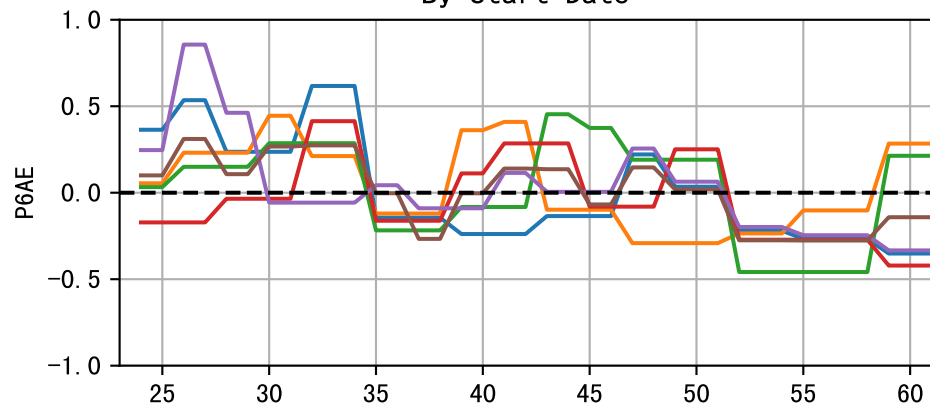
UF
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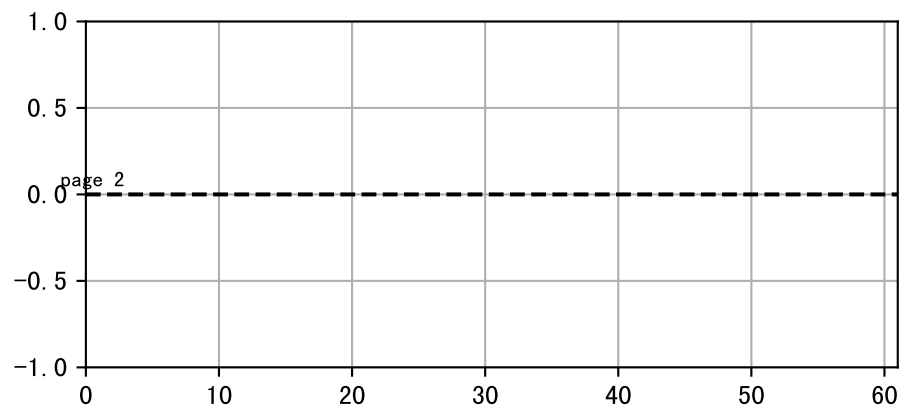
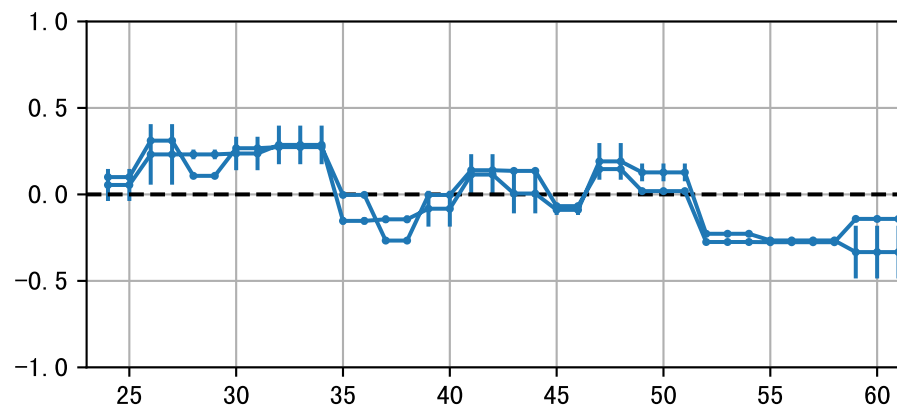
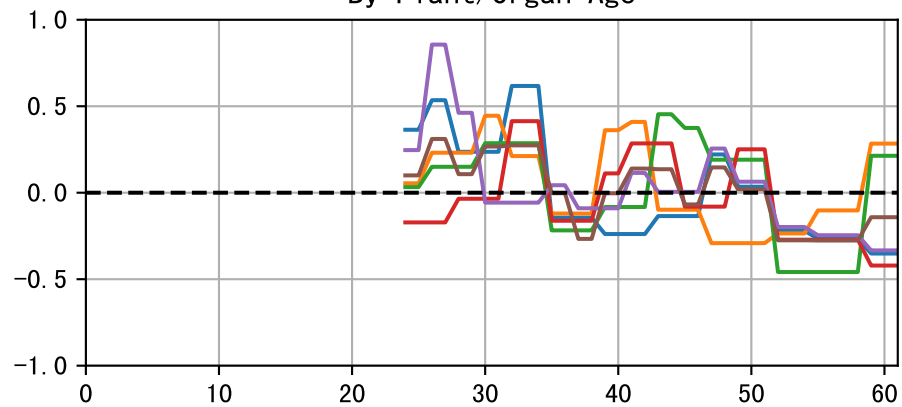
a (Def=0.42 Set=0.42)
avg1=0.4^{~3%} avg2=0.42^{~4%}
P6AE LFN



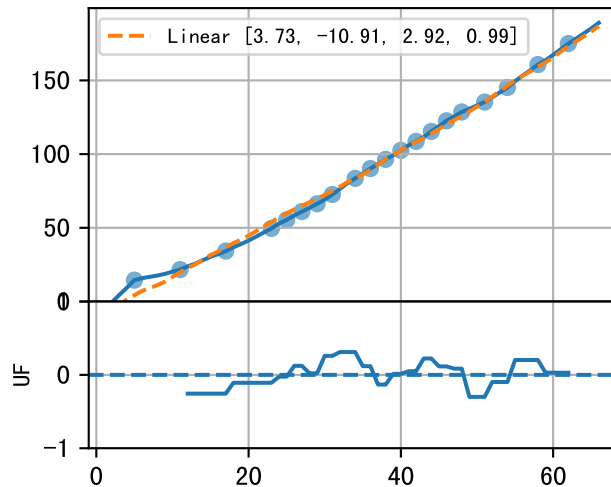
By Start Date



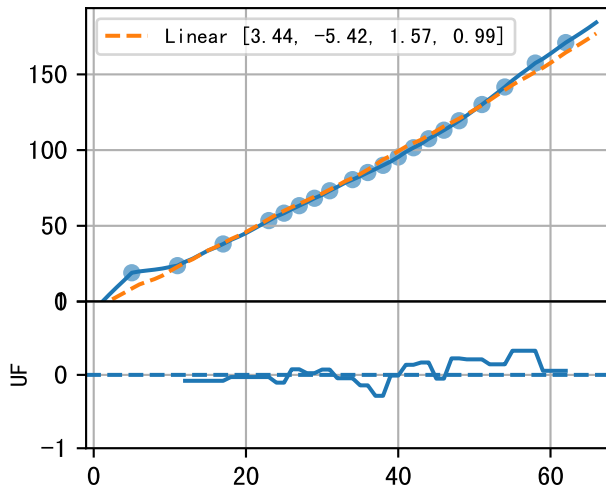
By Plant/Organ Age



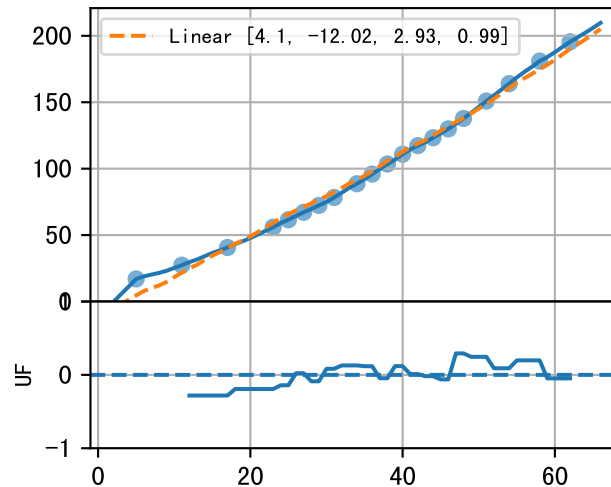
P6AE-007-10



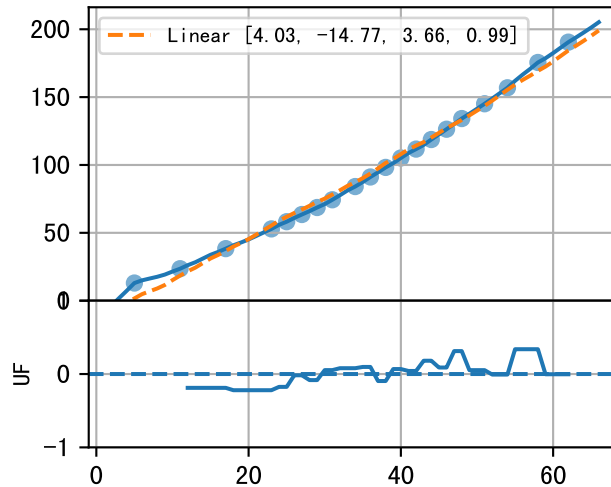
P6AE-014-17



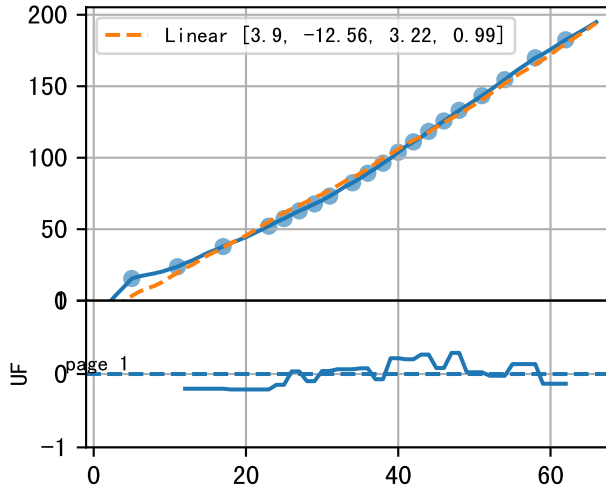
P6AE-026-25



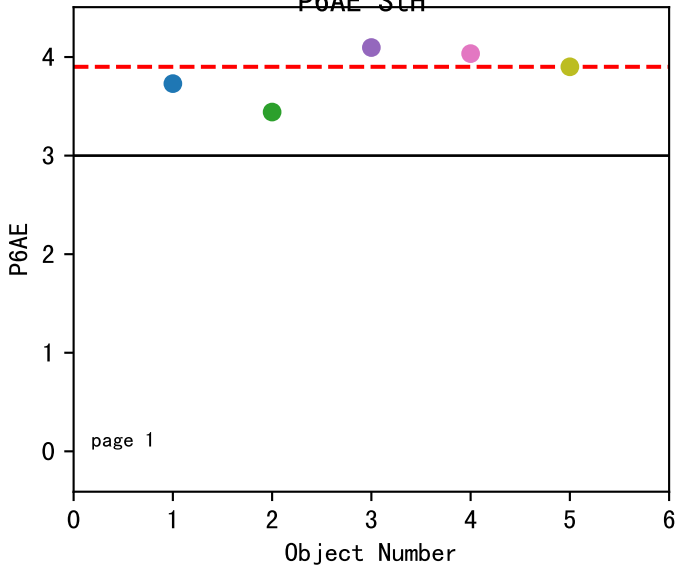
P6AE-033-4



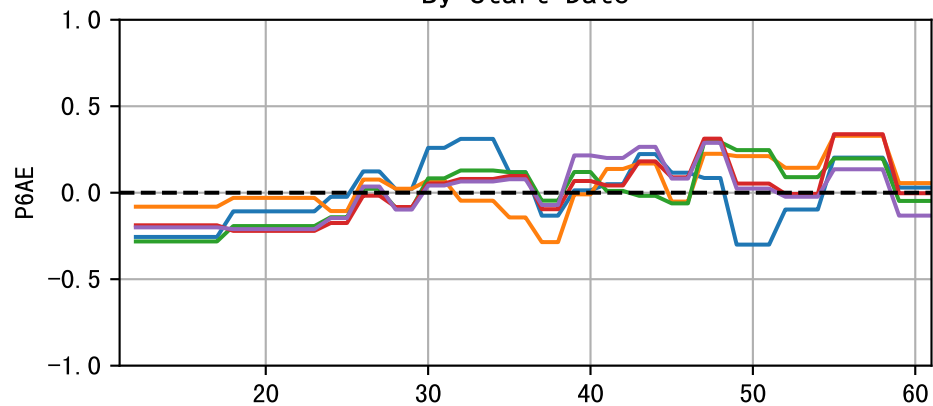
P6AE-045-12



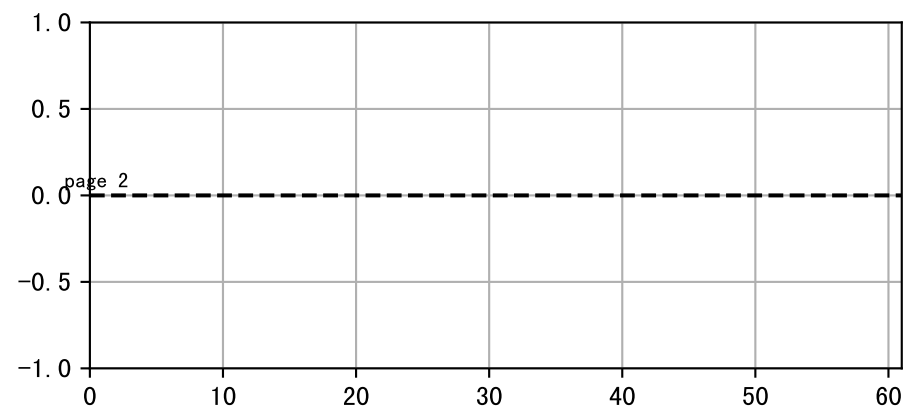
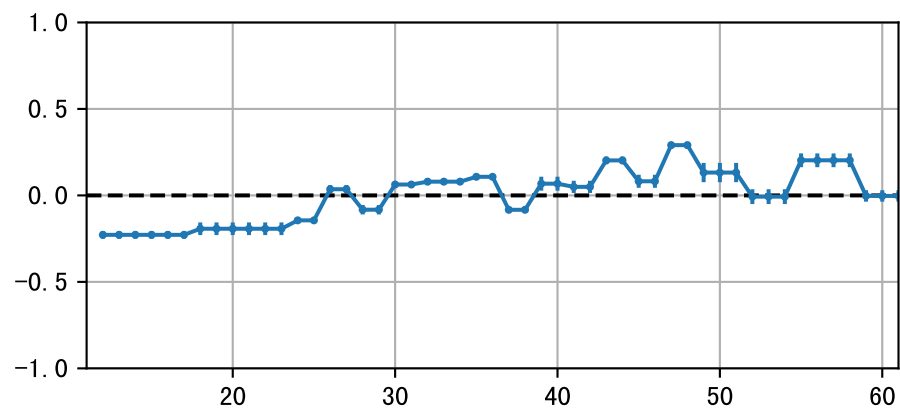
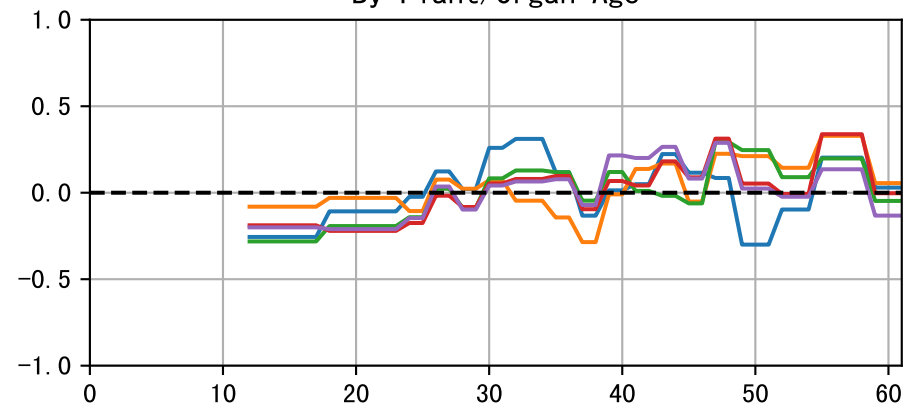
a (Def=3 Set=3.9)
avg1=3.9~7% avg2=na
P6AE StH



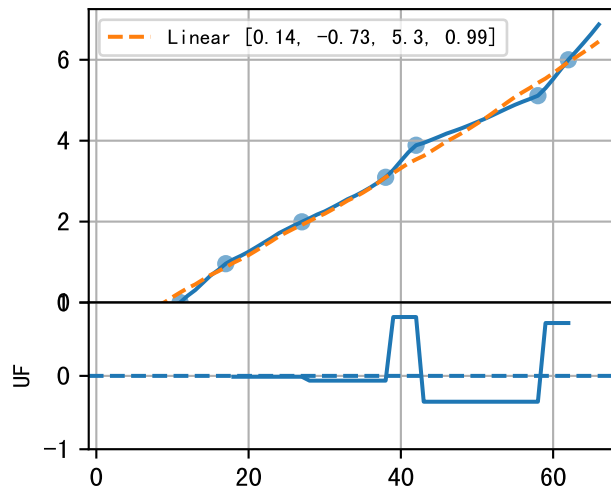
By Start Date



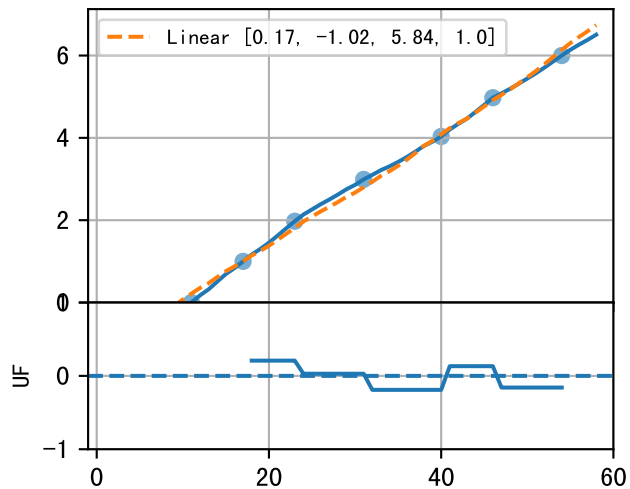
By Plant/Organ Age



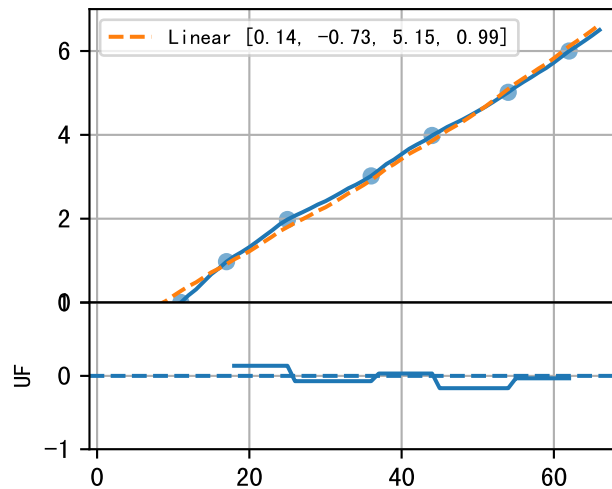
P6AE-007-10



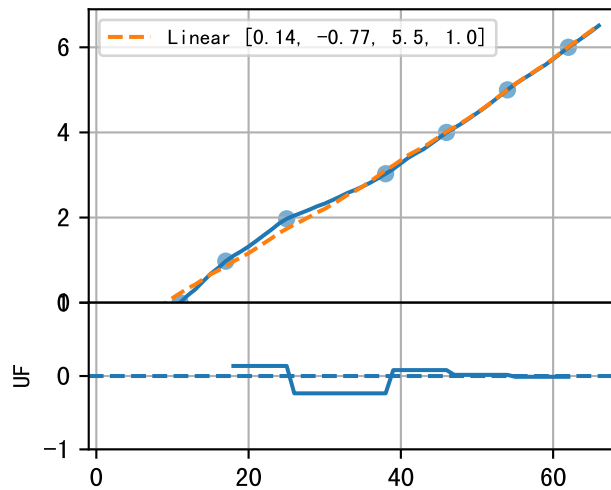
P6AE-014-17



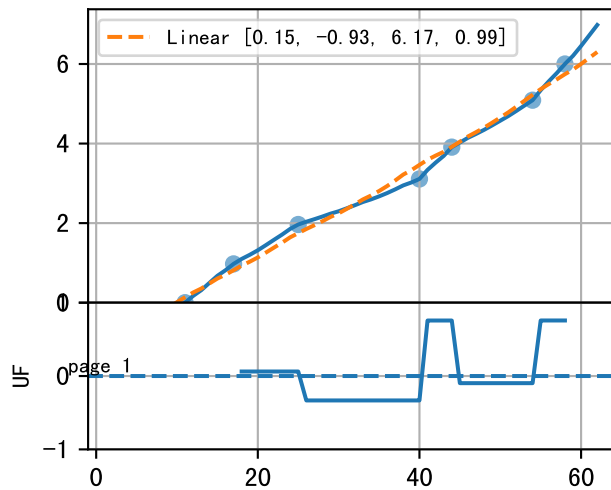
P6AE-026-25



P6AE-033-4



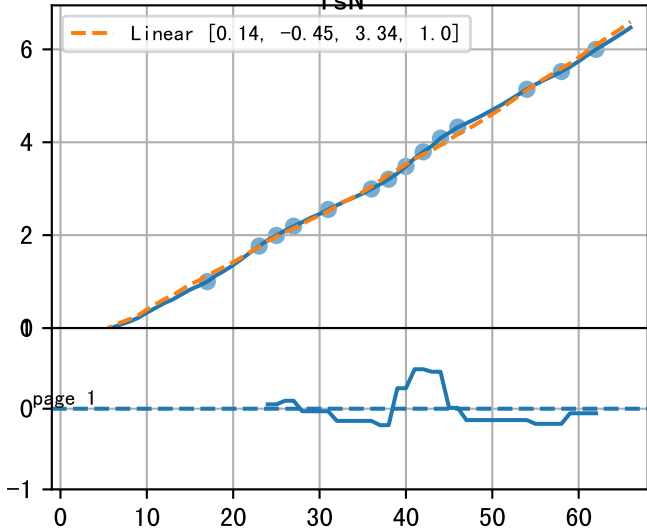
P6AE-045-12



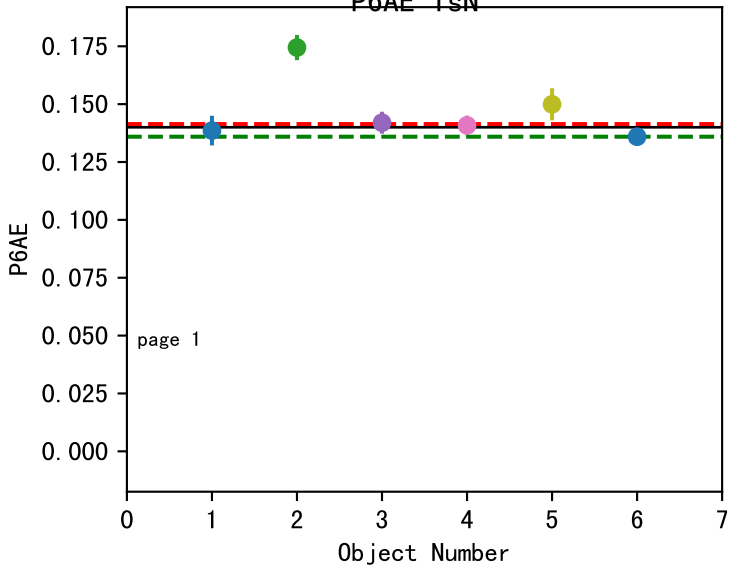
P6AEavg
 τ_{SN}

Linear [0.14, -0.45, 3.34, 1.0]

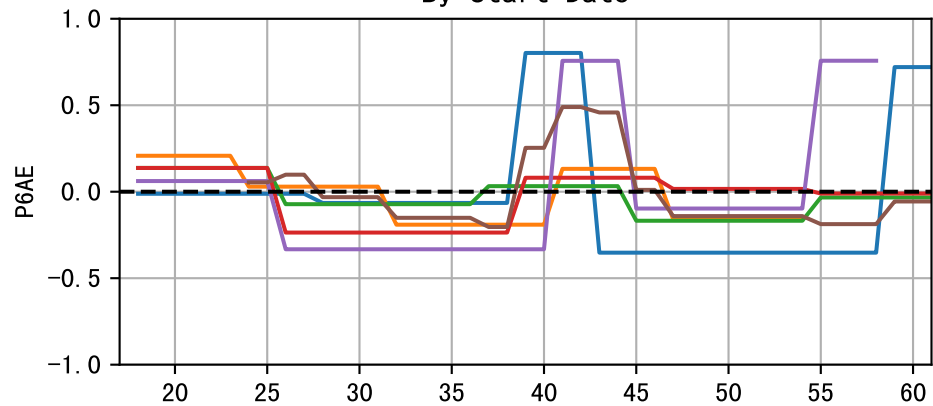
UF
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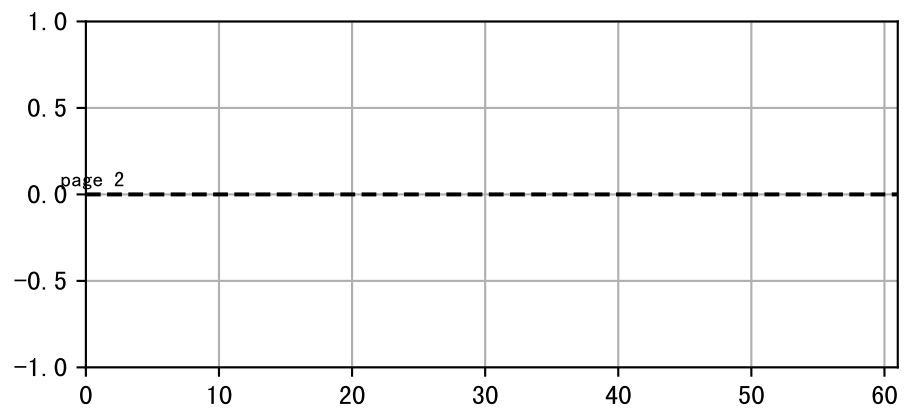
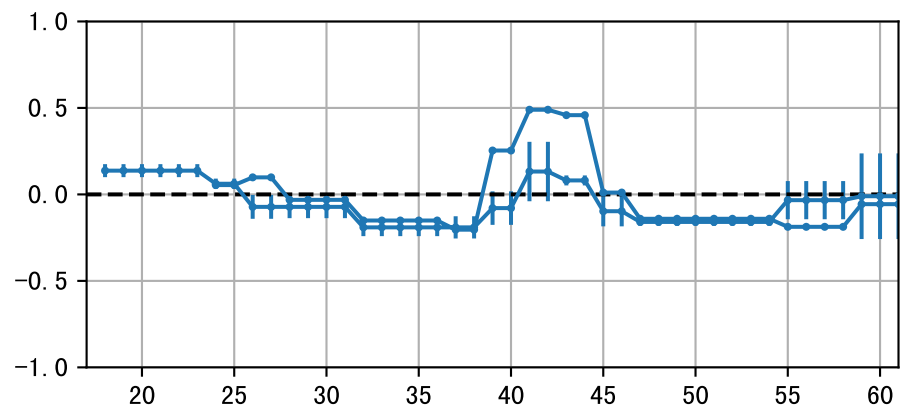
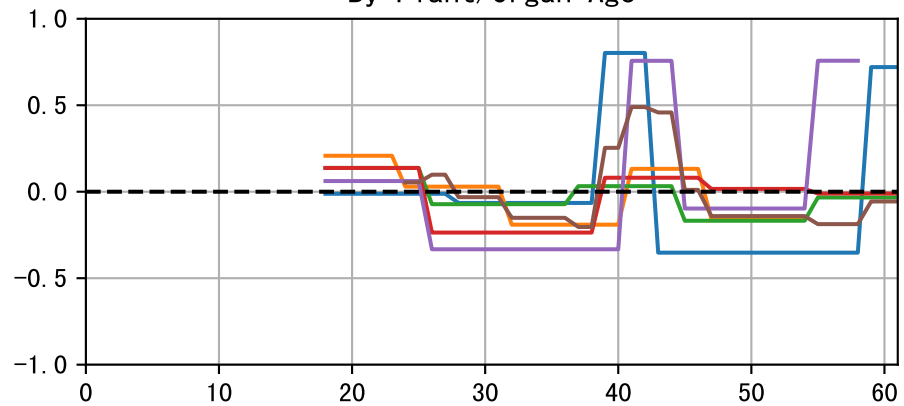
a (Def=0.14 Set=0.14)
 avg1=0.14 $\sim$ 3% avg2=0.14 $\sim$ 4%
 P6AE TSN

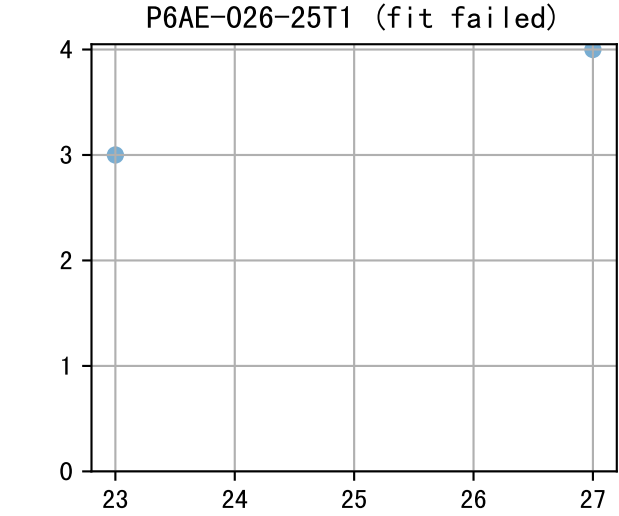
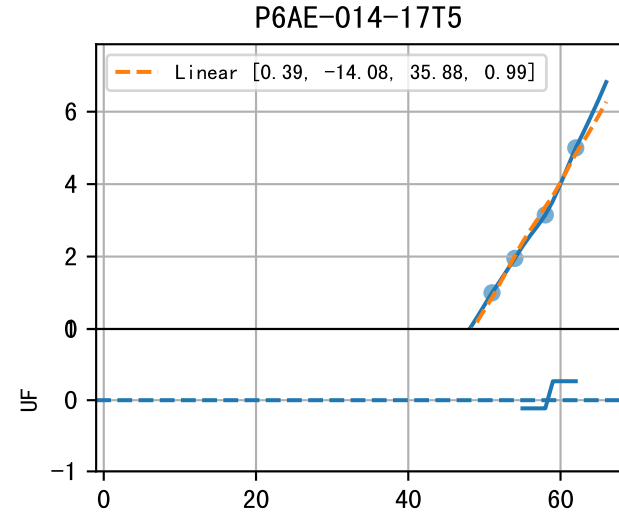
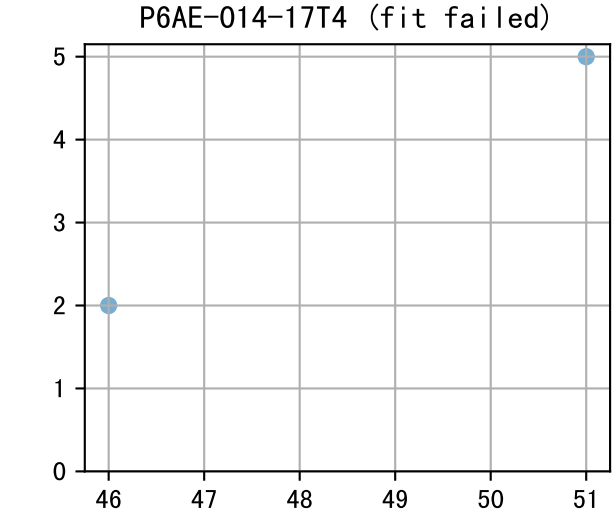
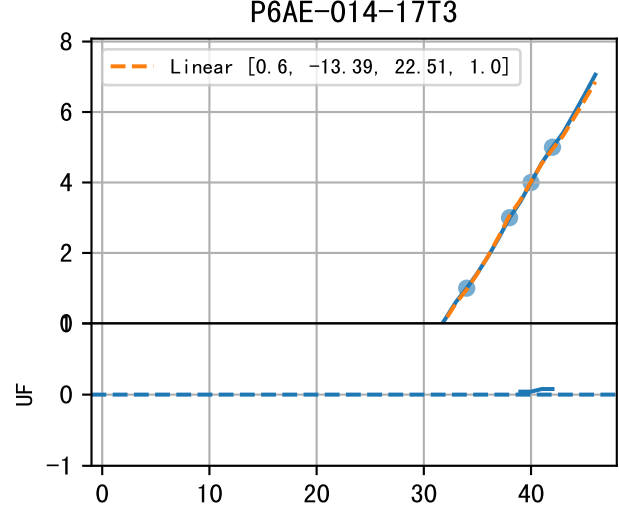
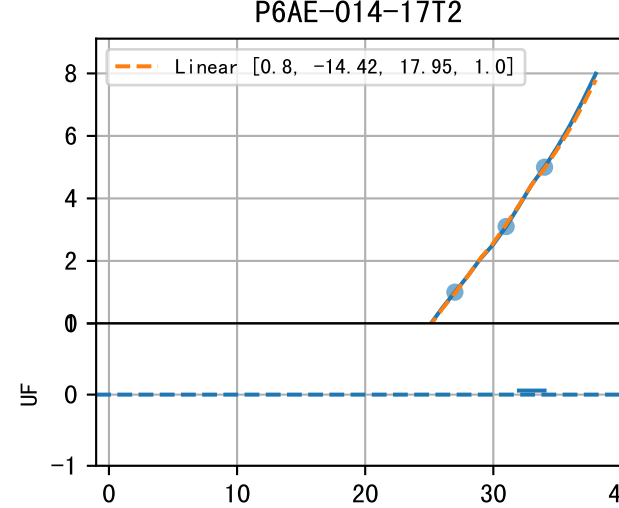
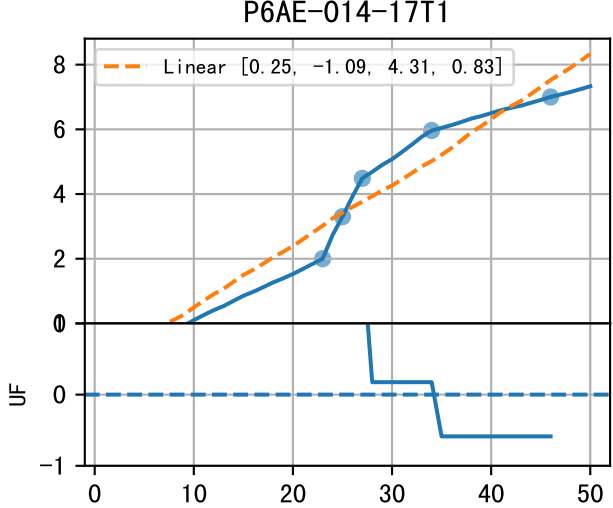
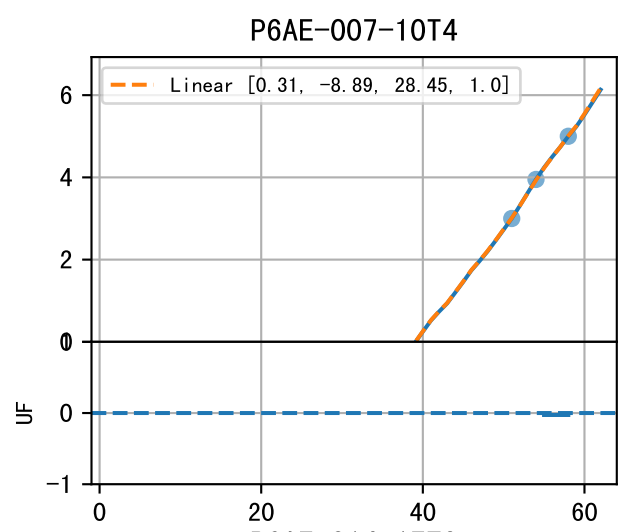
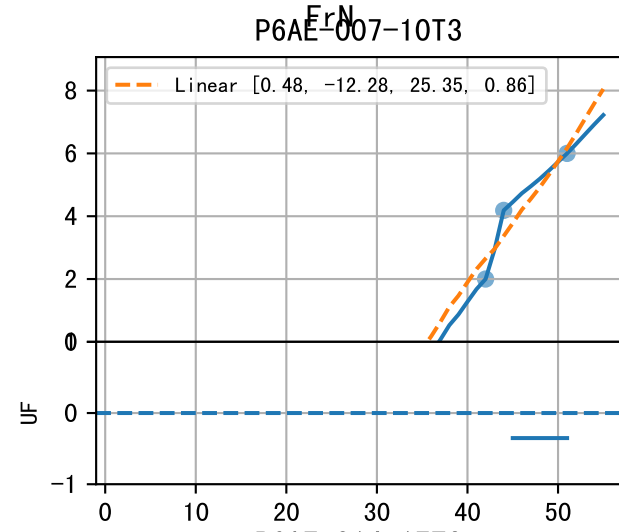
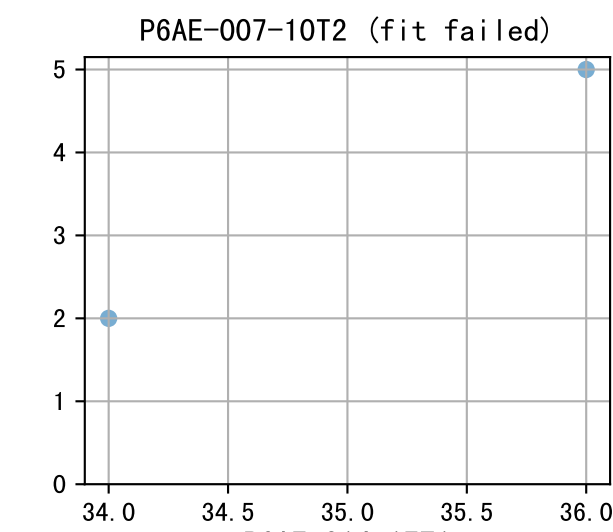


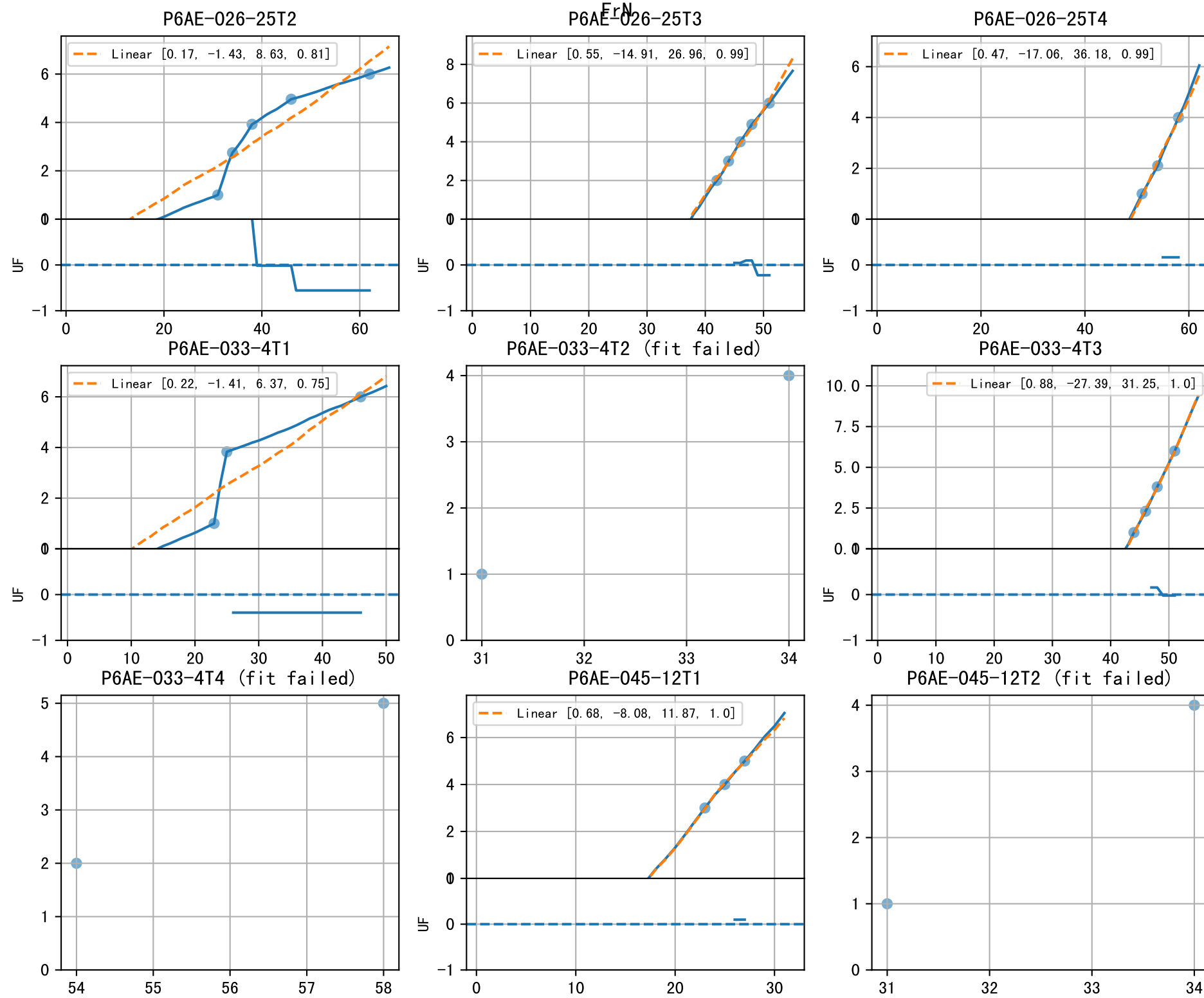
By Start Date



By Plant/Organ Age







P6AE-045-12T3



P6AE-045-12T4



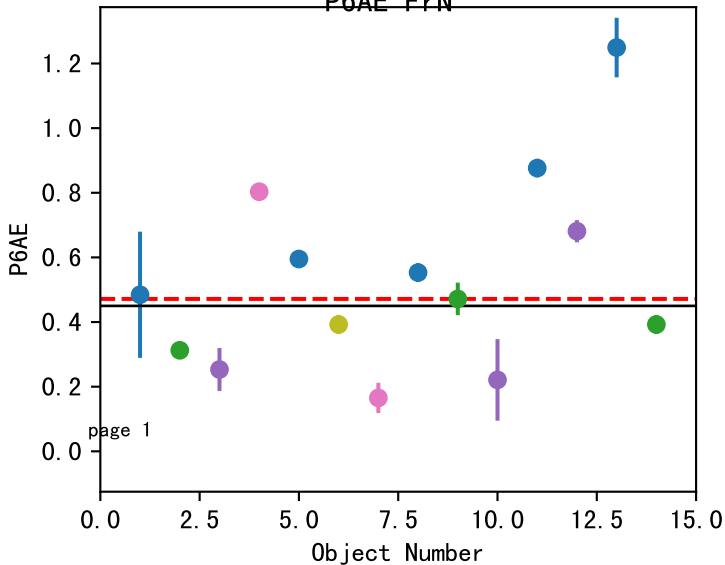
P6AE-045-12T5 (fit failed)



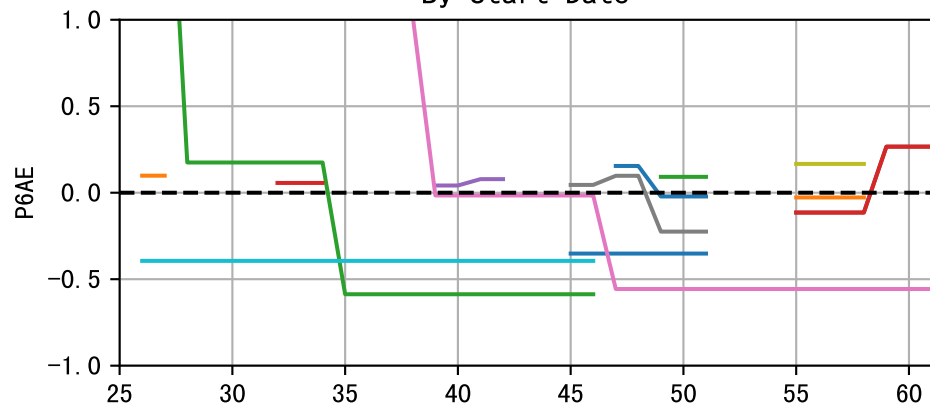
a (Def=0.45 Set=0.47)

avg1=0.47~47% avg2=na

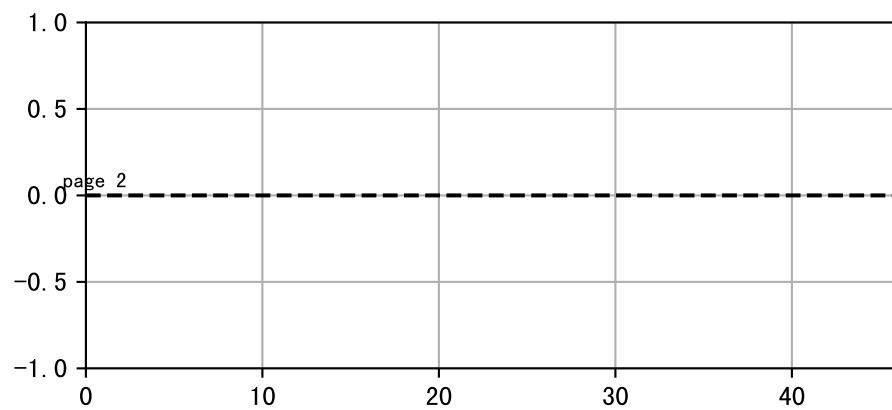
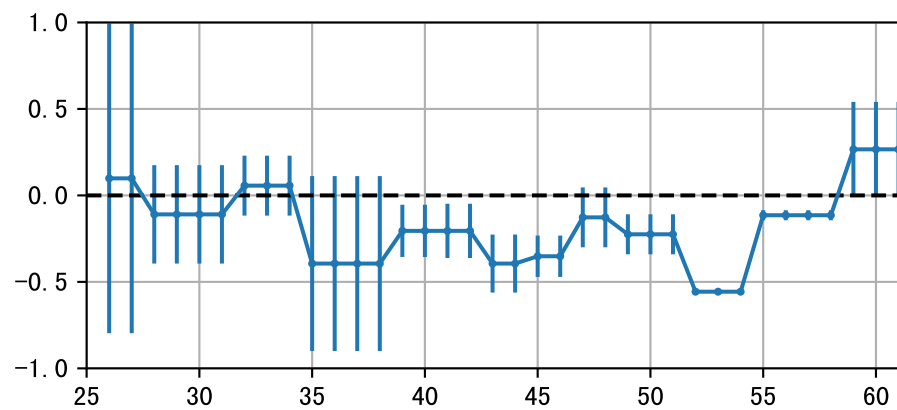
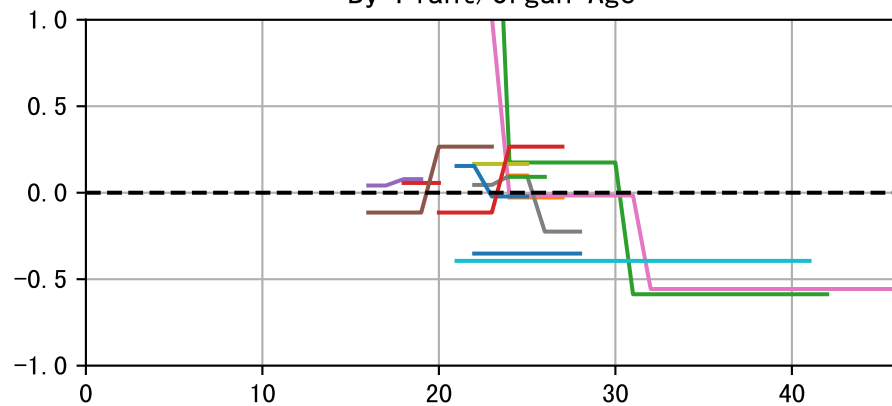
P6AE FrN

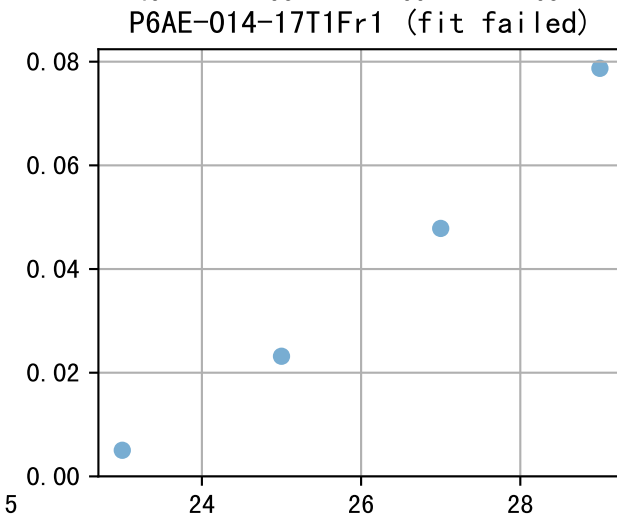
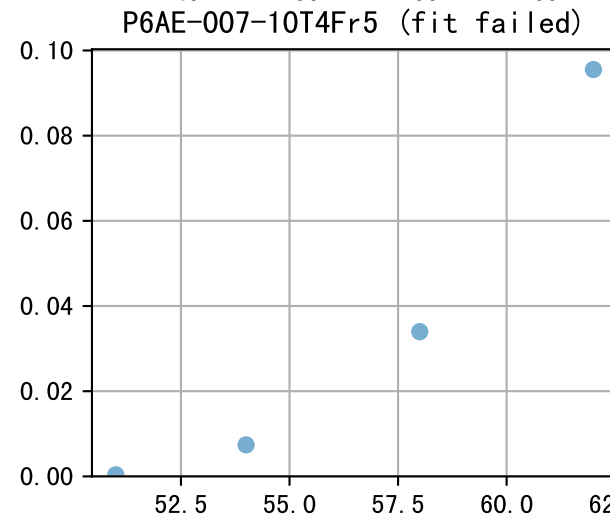
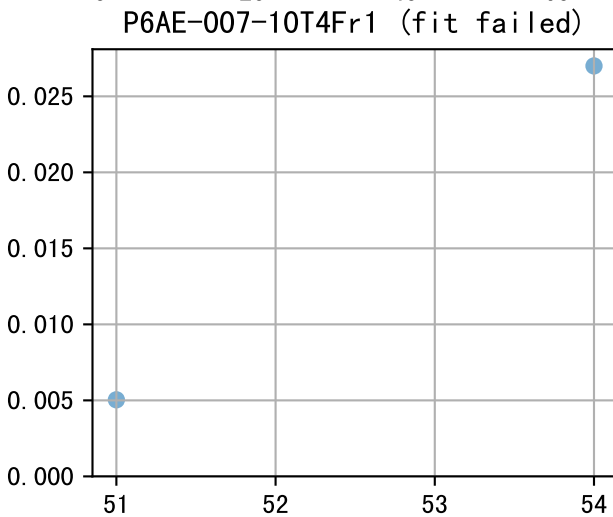
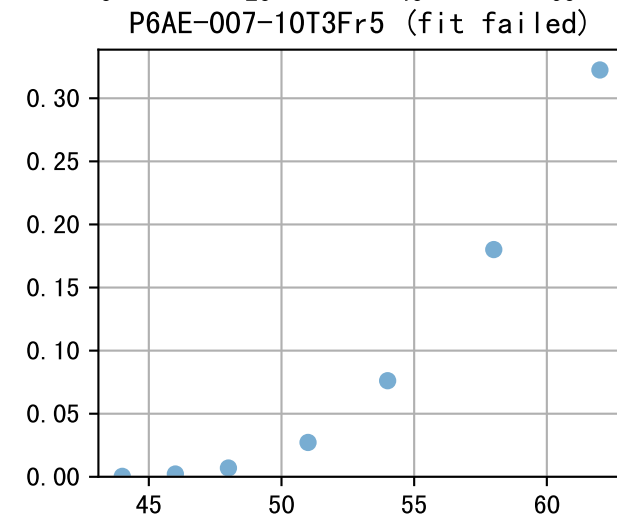
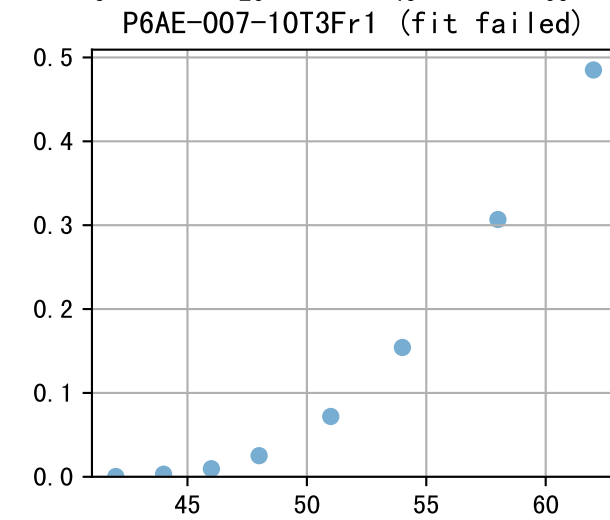
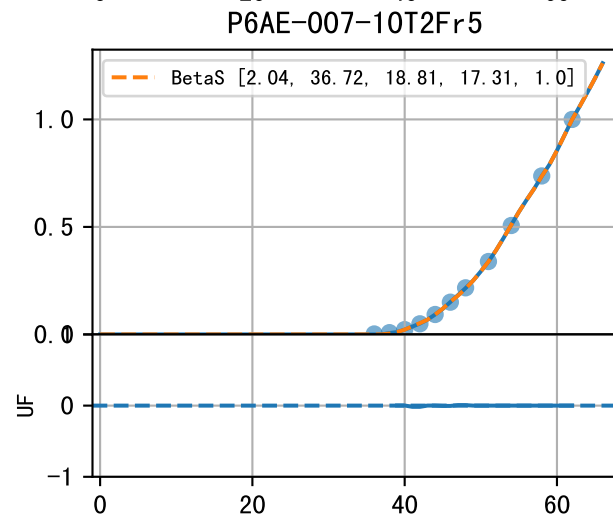
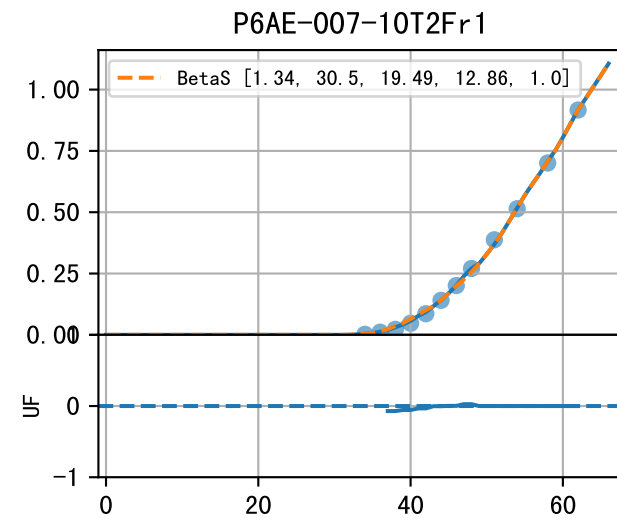
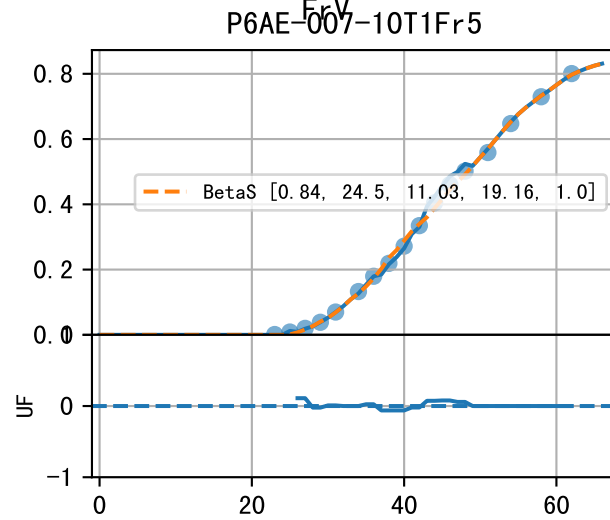
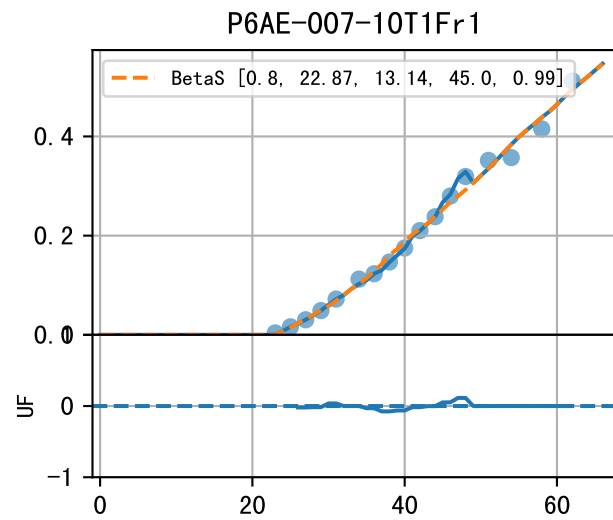


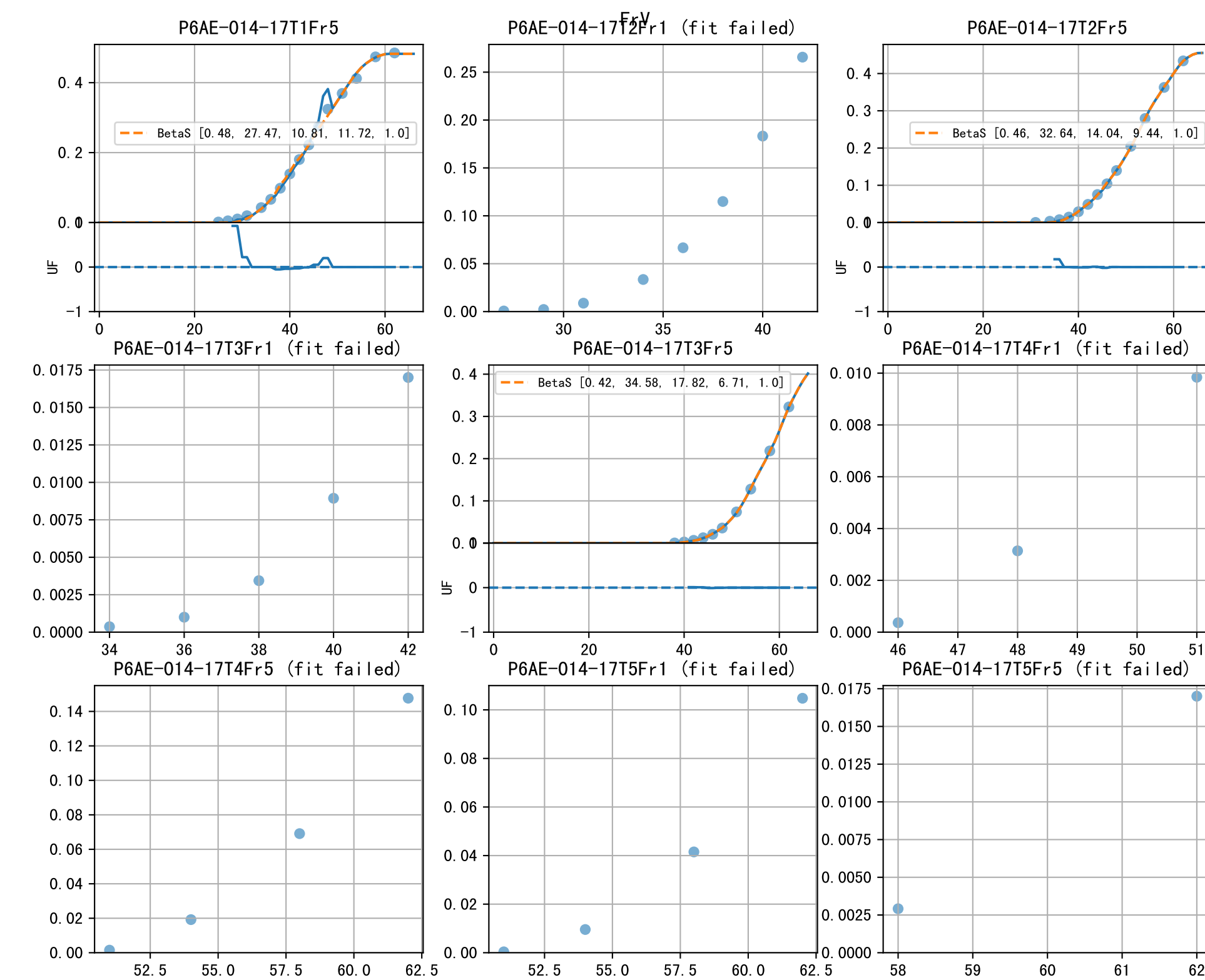
By Start Date

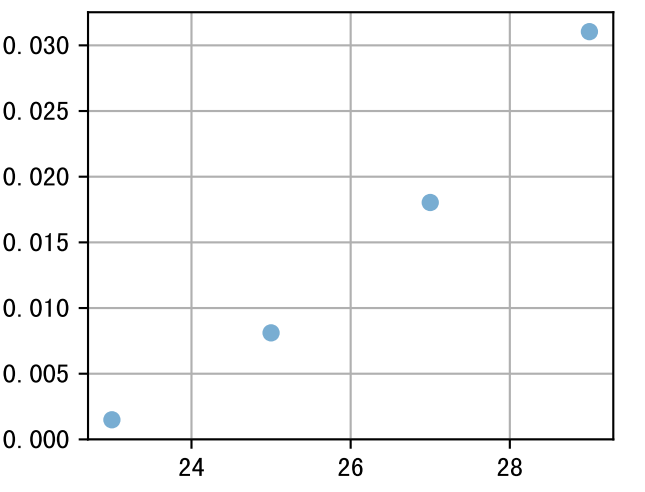
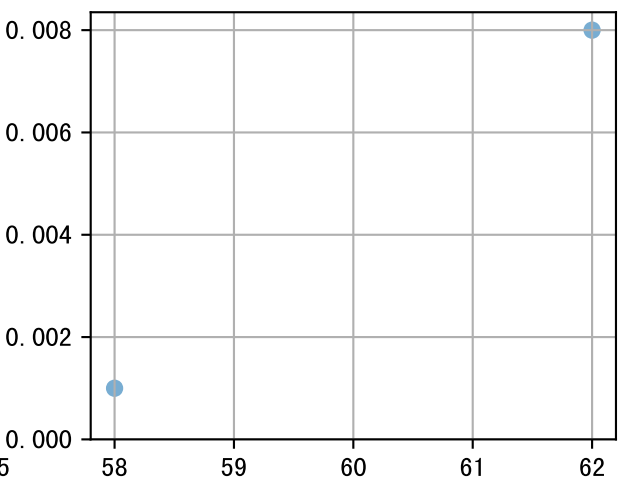
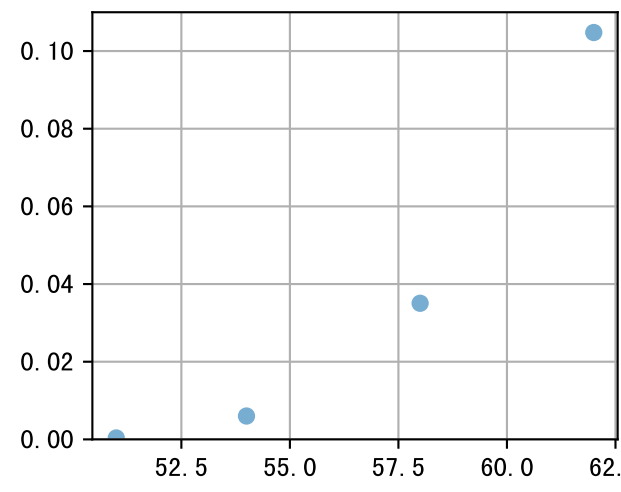
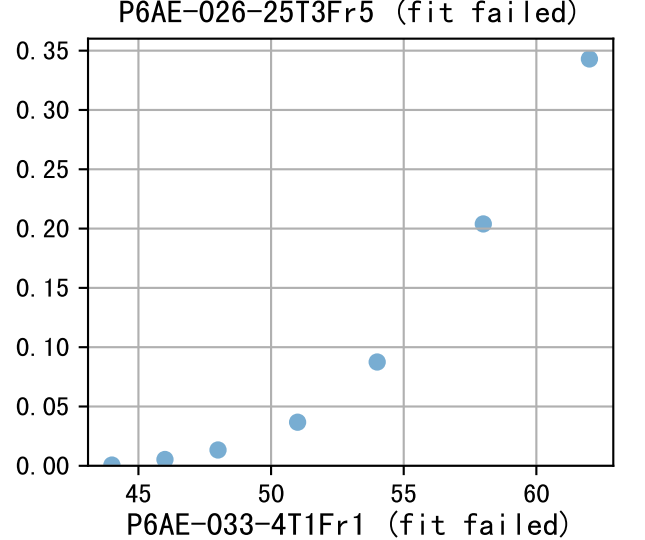
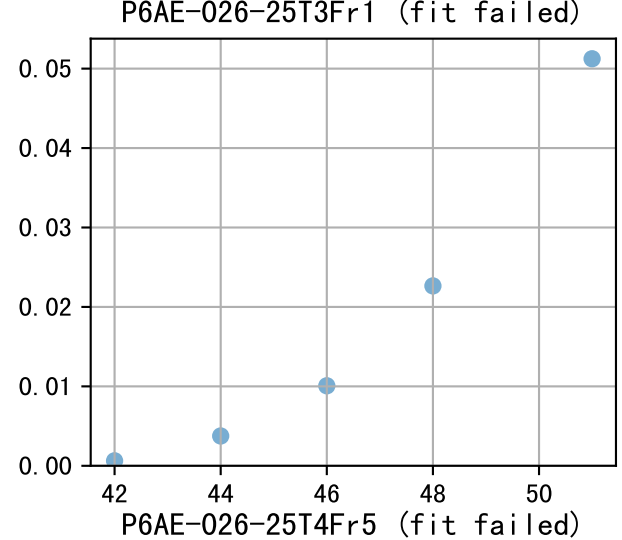
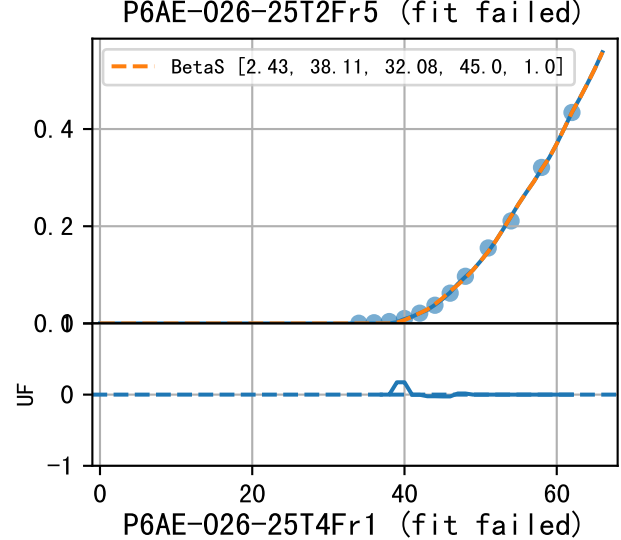
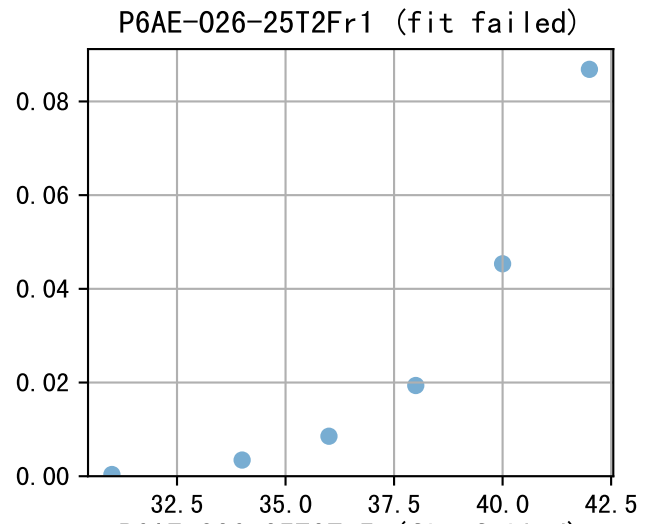
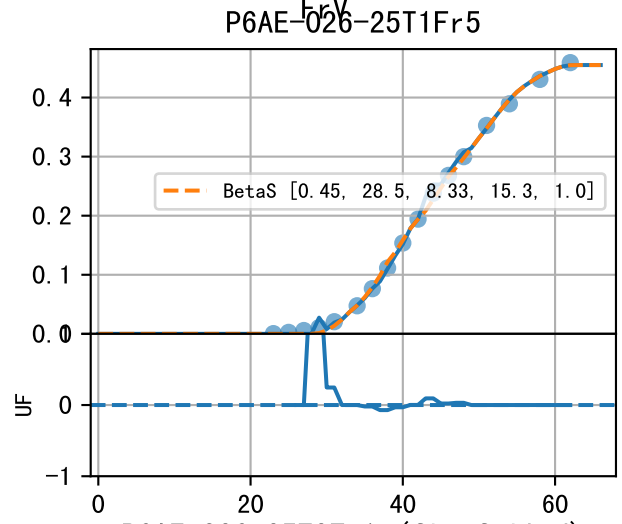
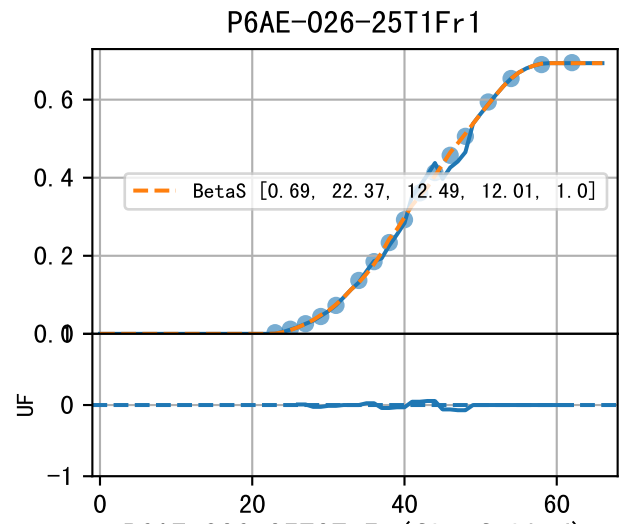


By Plant/Organ Age



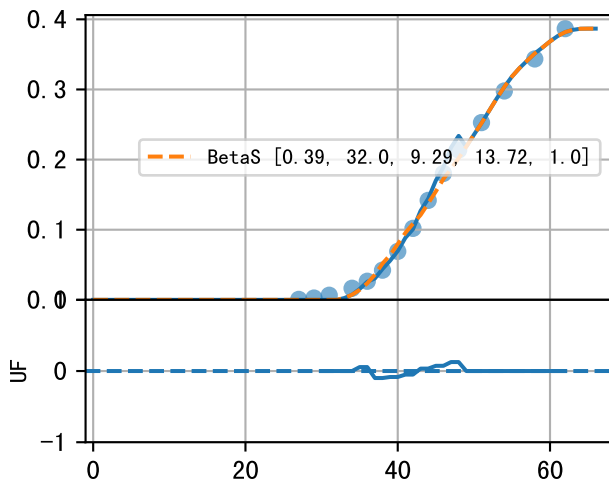




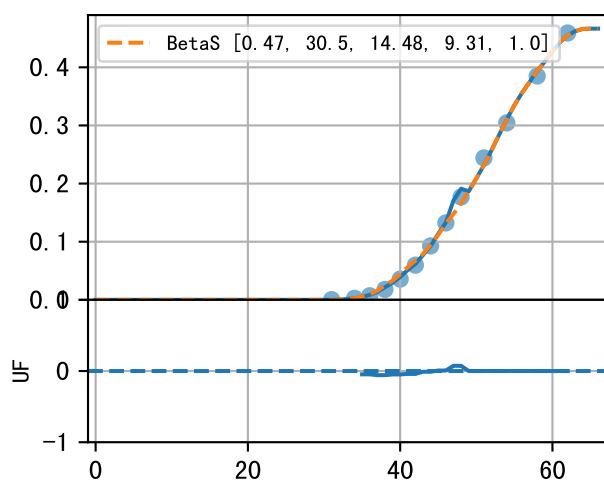


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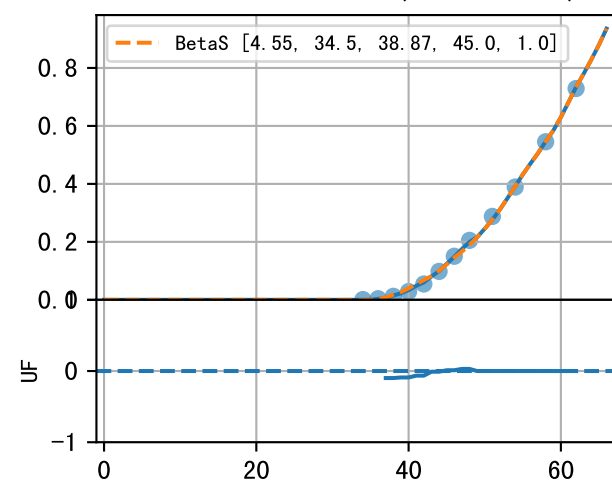
P6AE-033-4T1Fr5



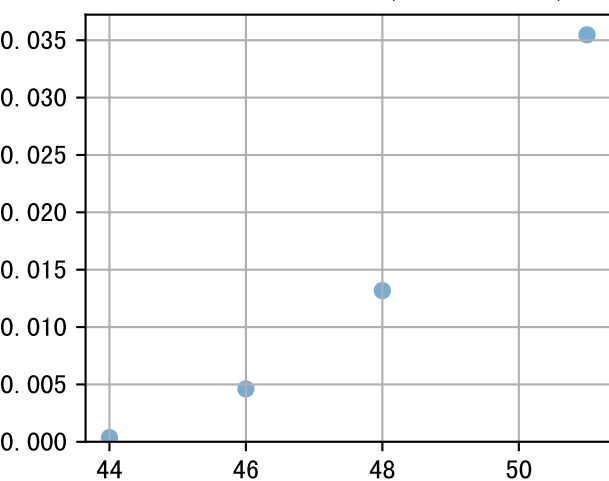
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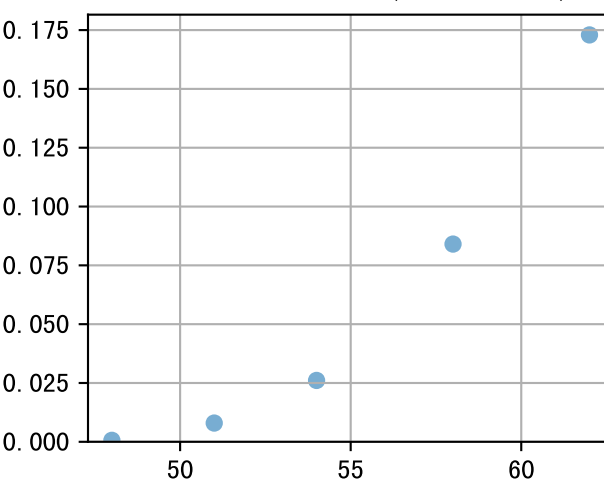
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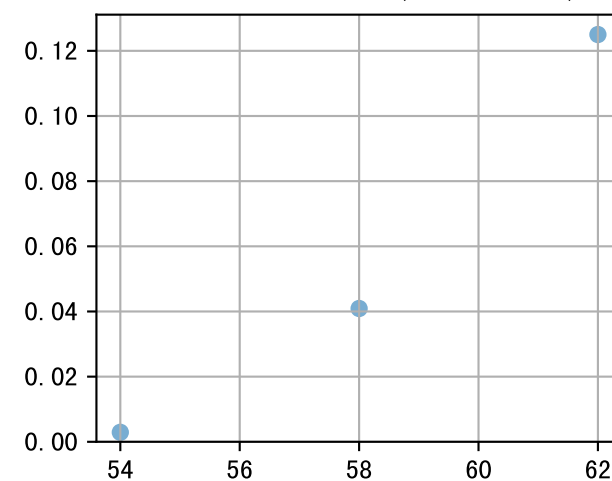
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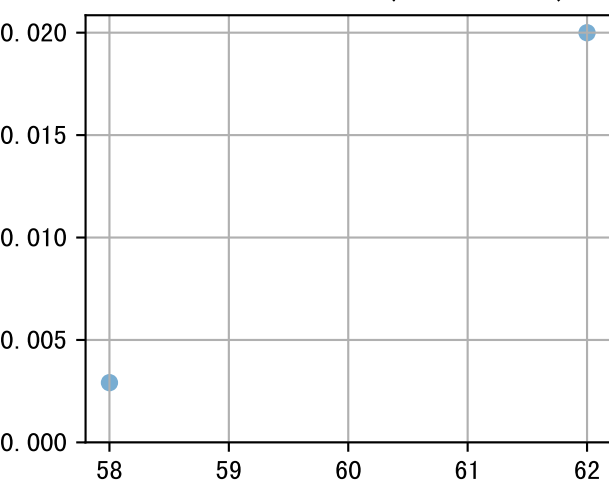
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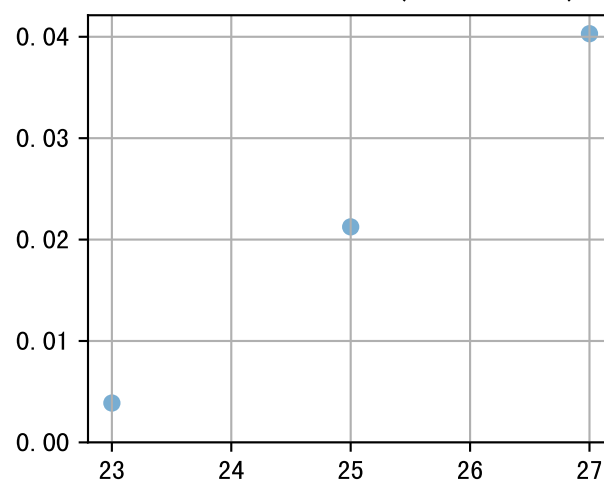
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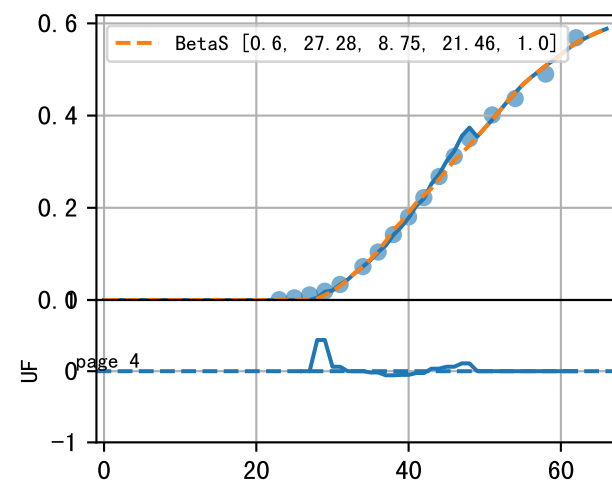
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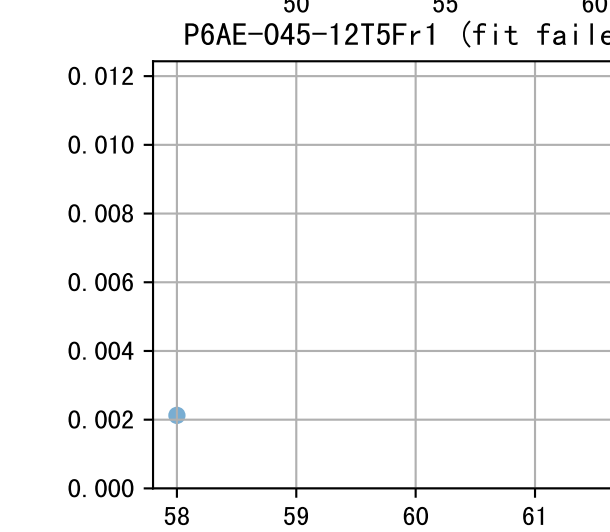
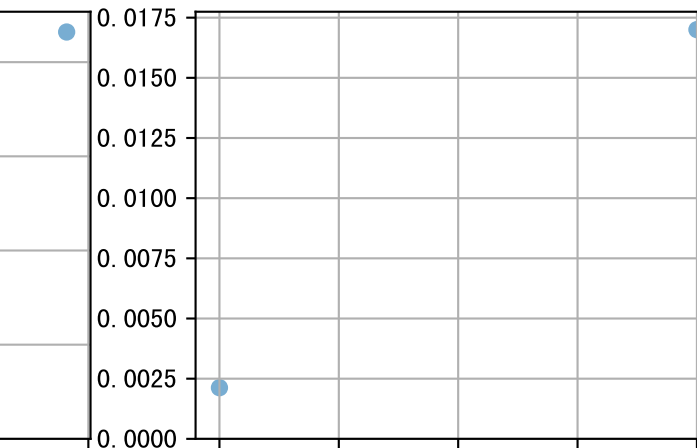
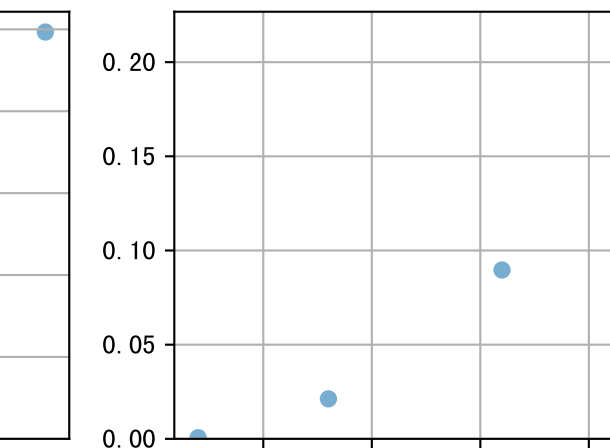
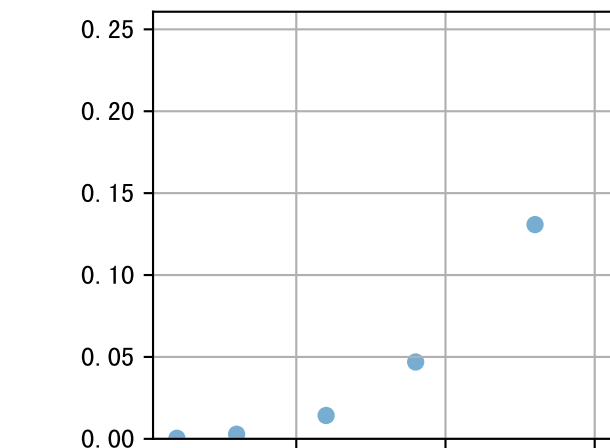
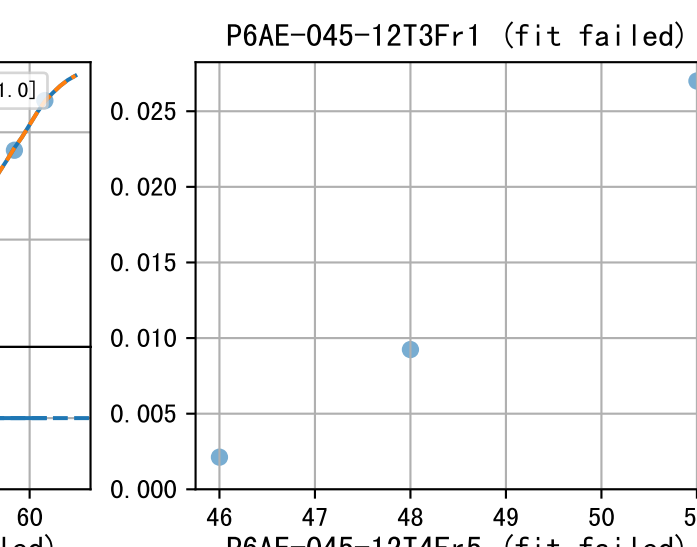
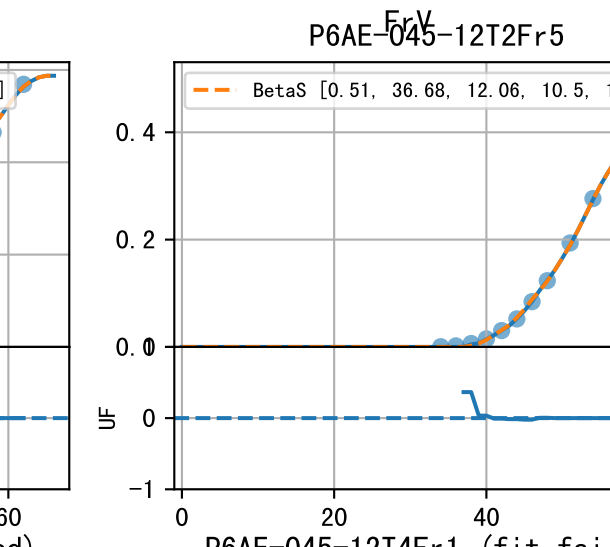
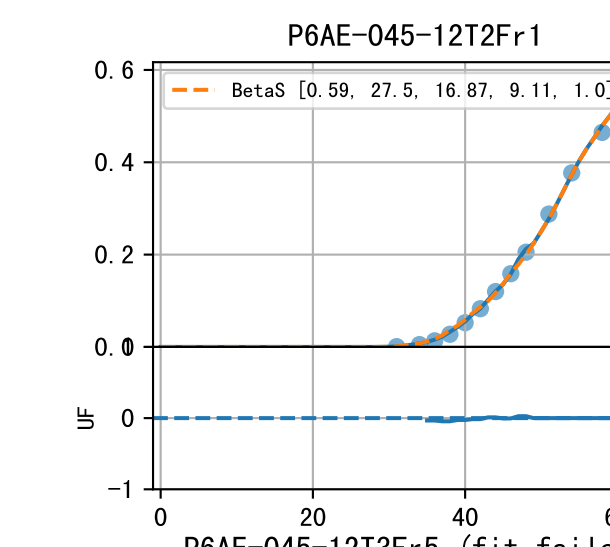
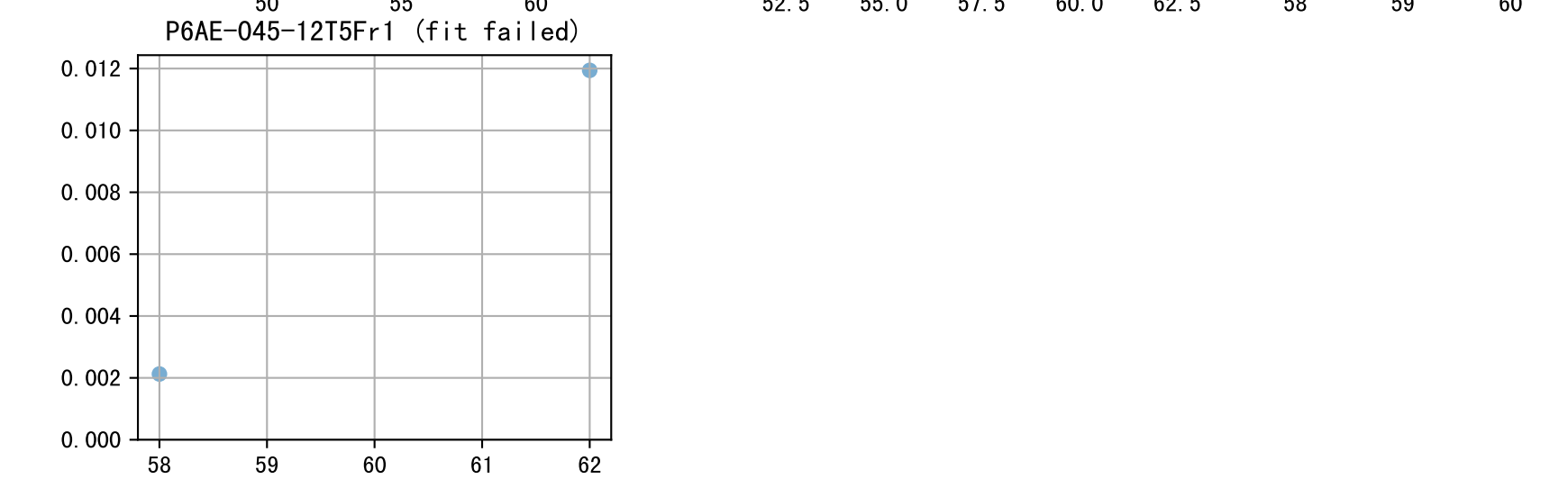
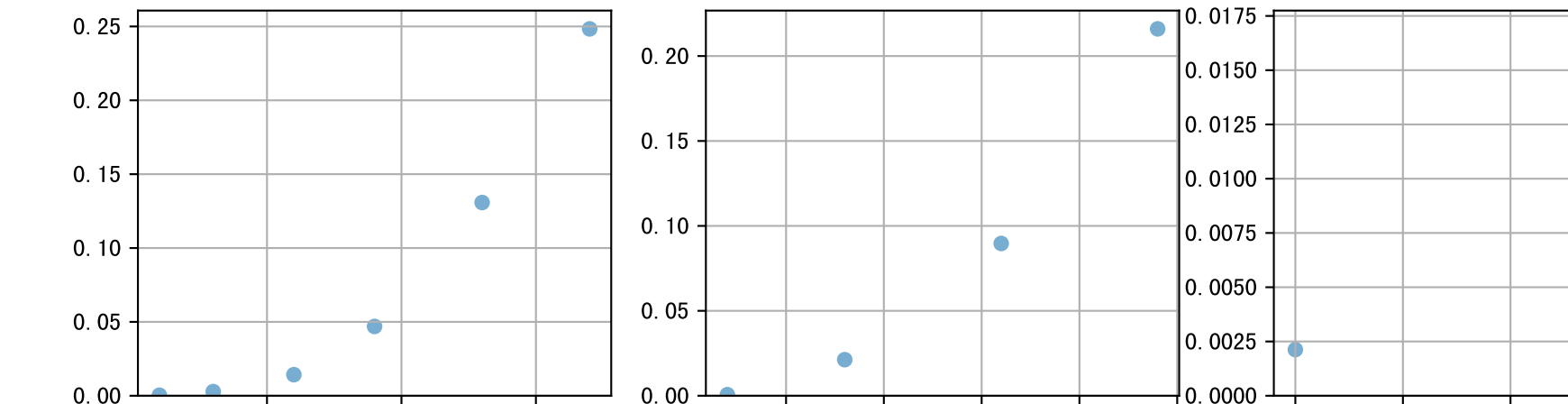


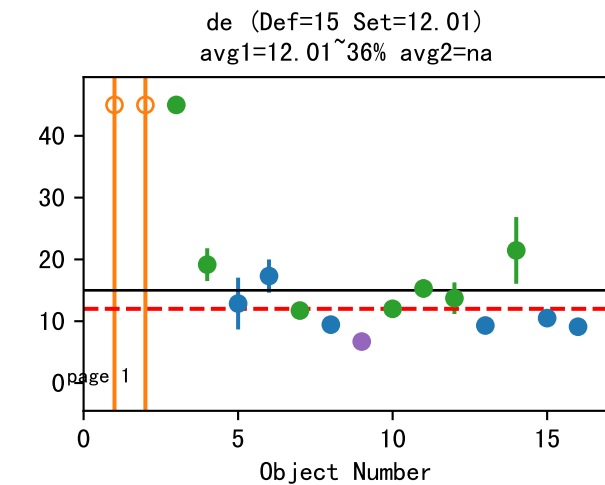
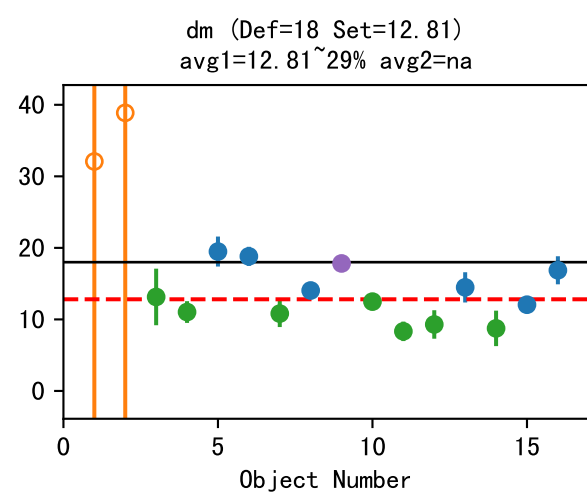
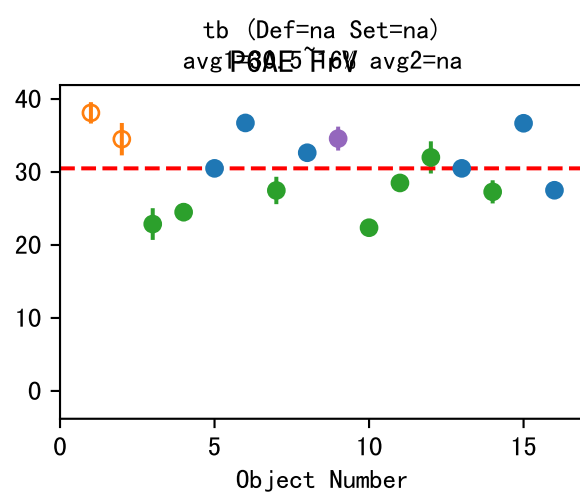
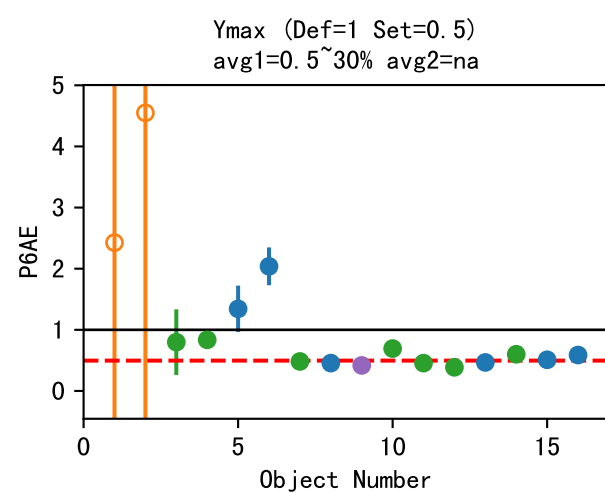
P6AE-045-12T1Fr1 (fit failed)



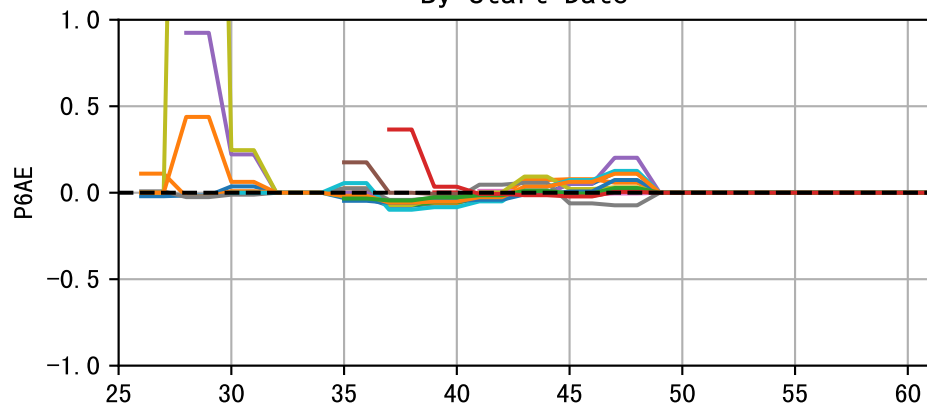
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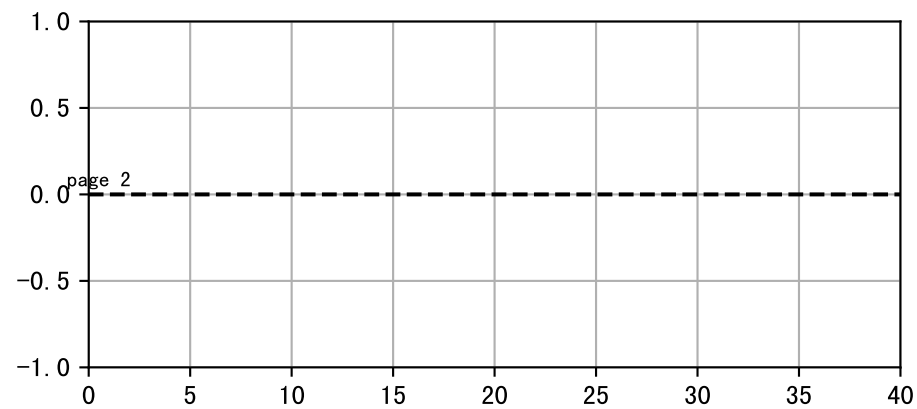
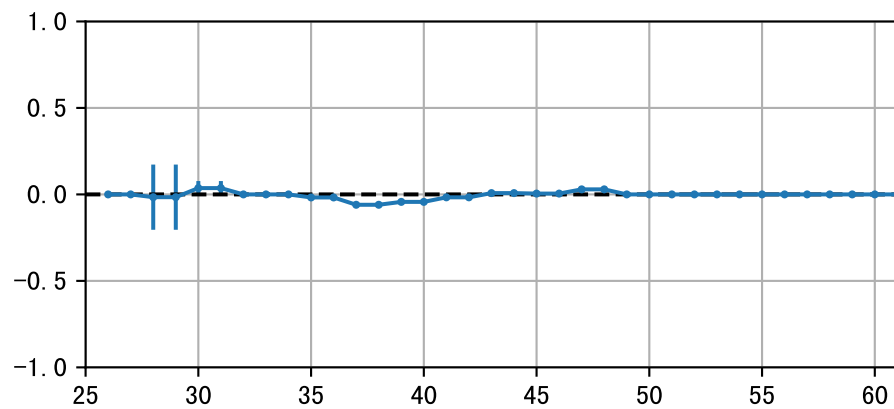
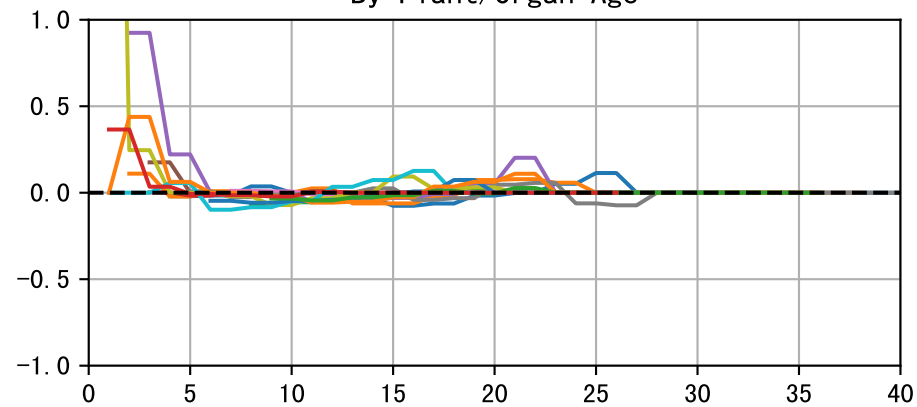




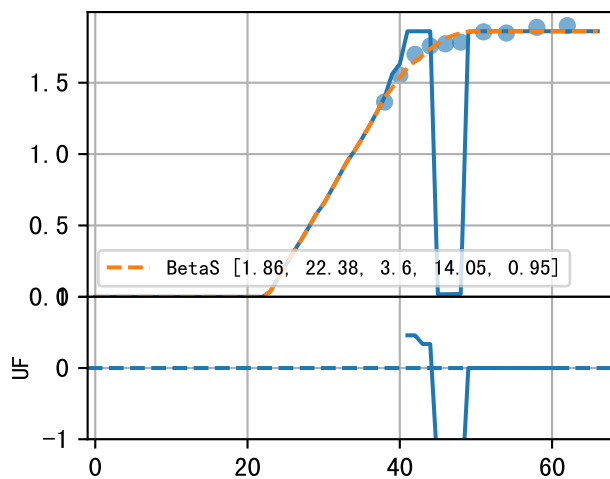
By Start Date



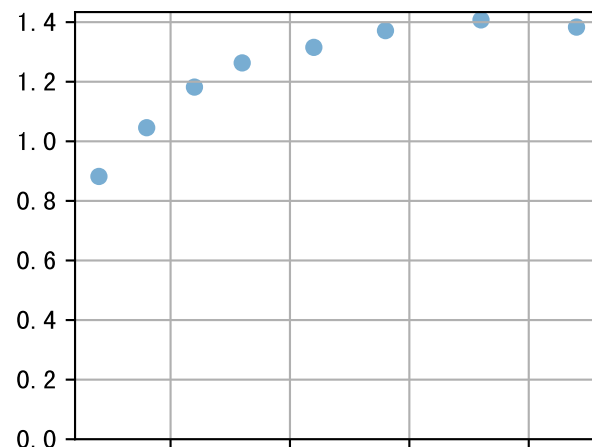
By Plant/Organ Age



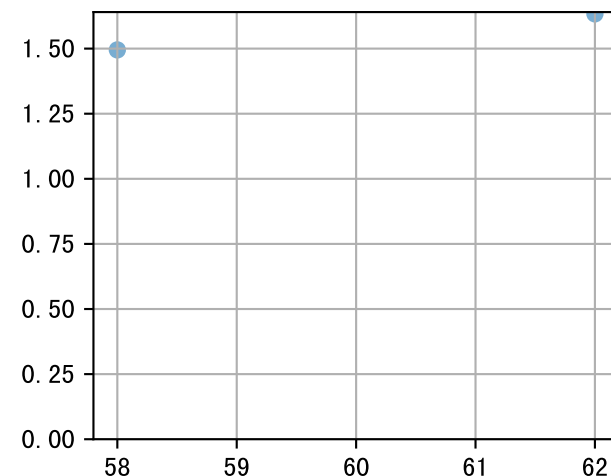
P6AE-007-10L13 (fit failed)



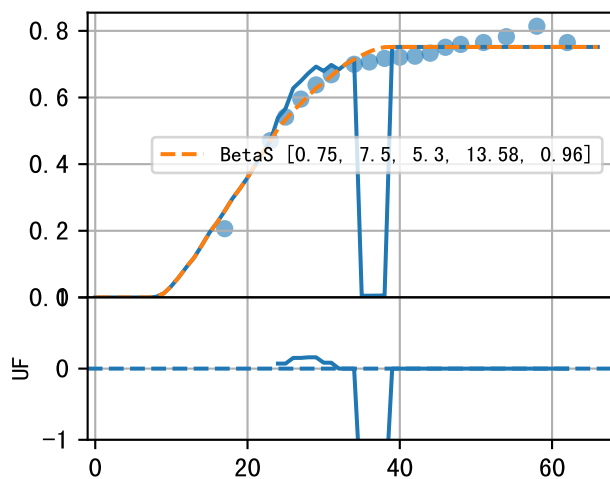
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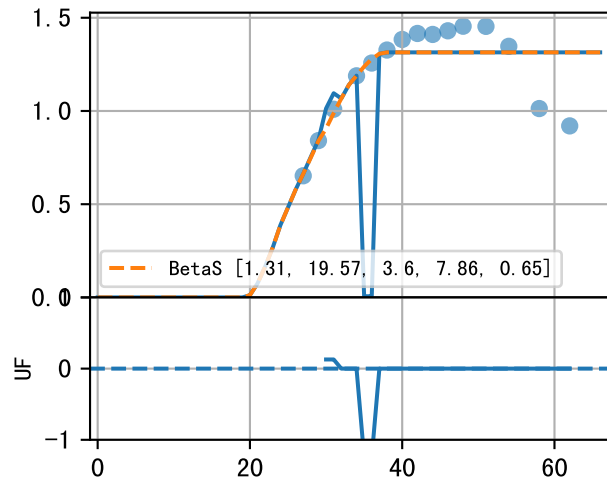
P6AE-007-10L19 (fit failed)



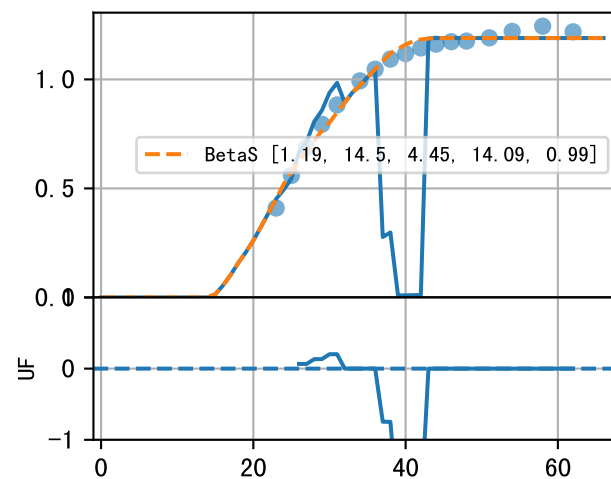
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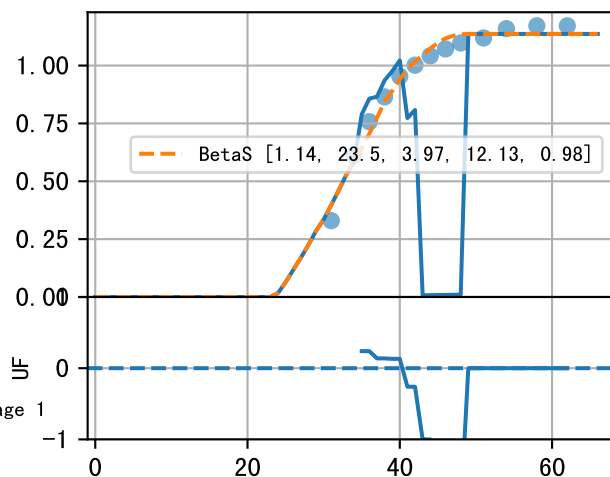
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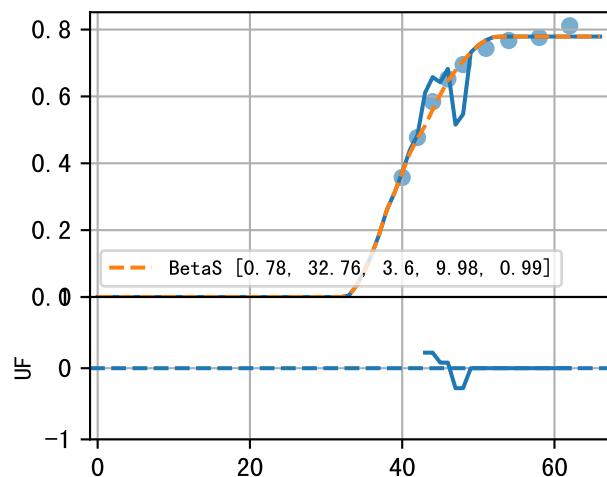
P6AE-014-17L11



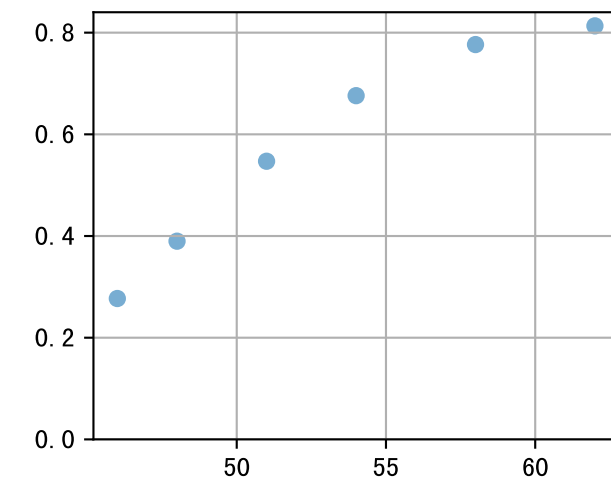
P6AE-014-17L14 (fit failed)



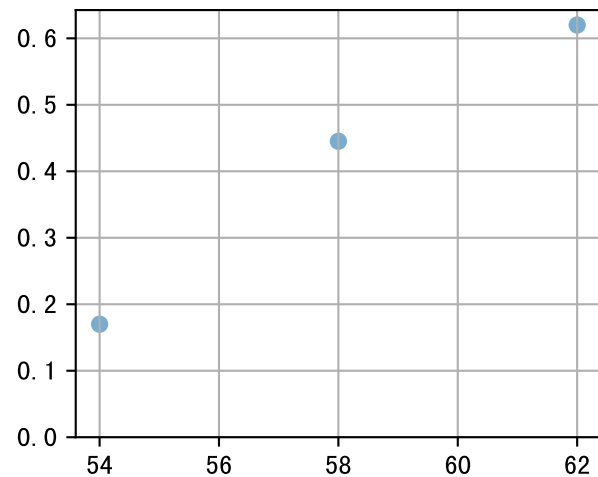
P6AE-014-17L17 (fit failed)



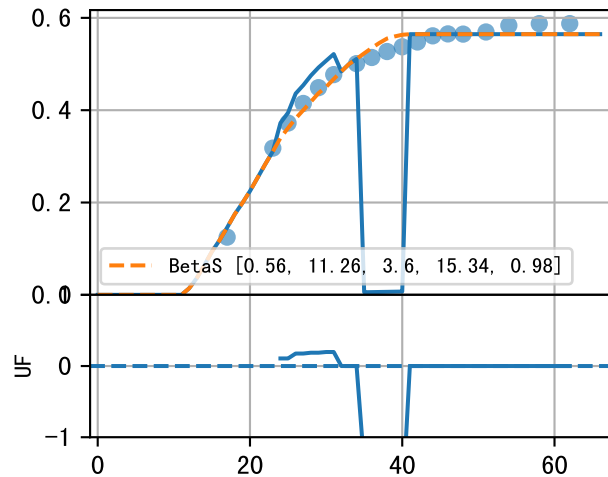
P6AE-014-17L19 (fit failed)



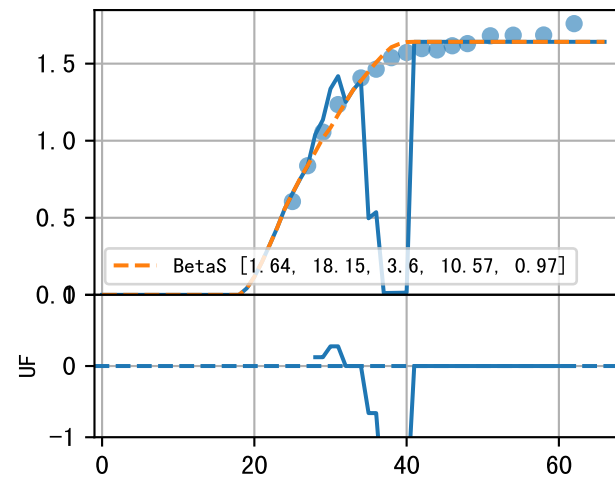
P6AE-014-17L22 (fit failed)



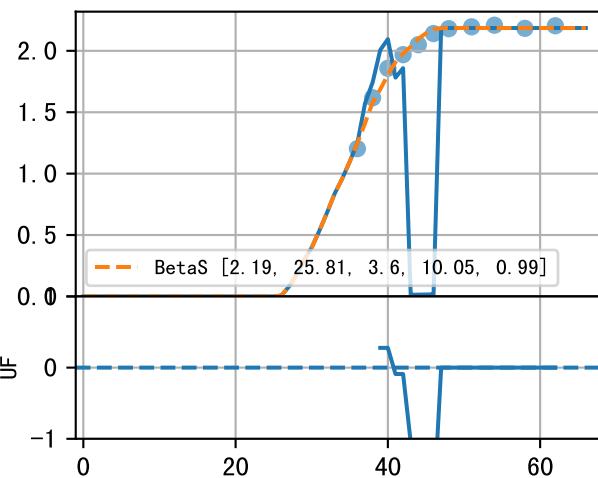
P6AE-014-17L8 (fit failed)



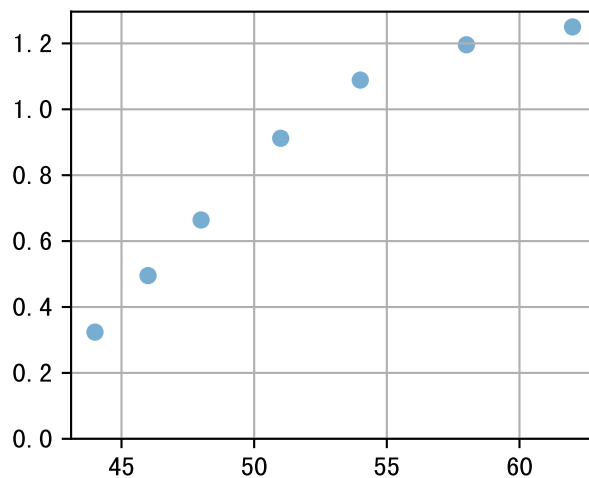
P6AE-026-25L10



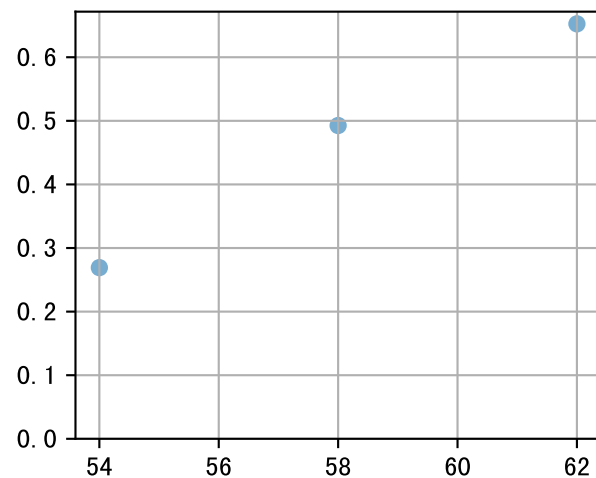
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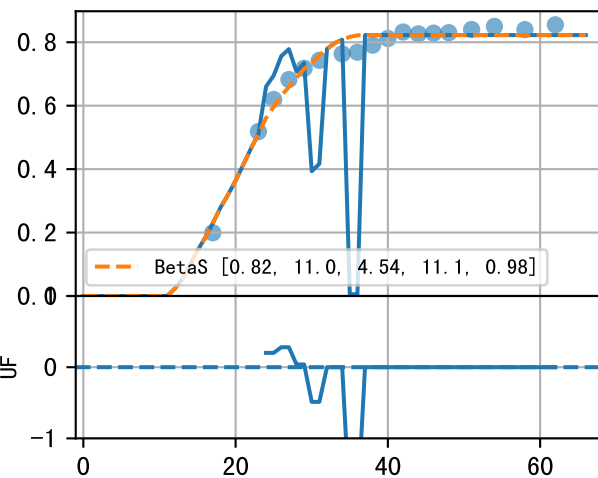
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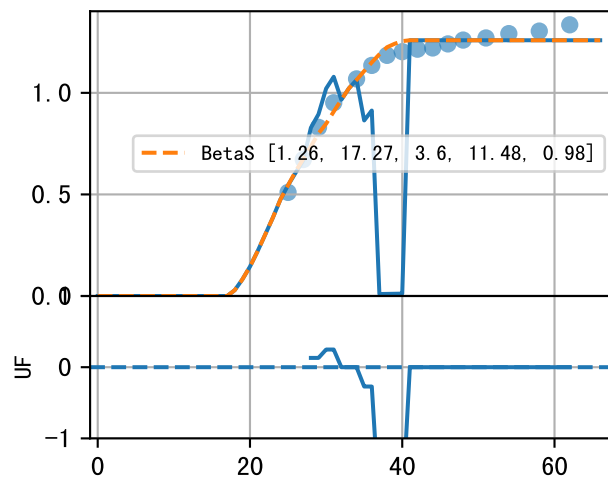
P6AE-026-25L19 (fit failed)



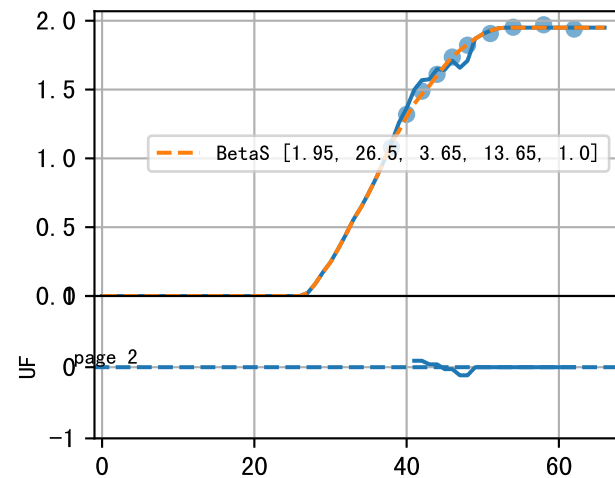
P6AE-026-25L7 (fit failed)



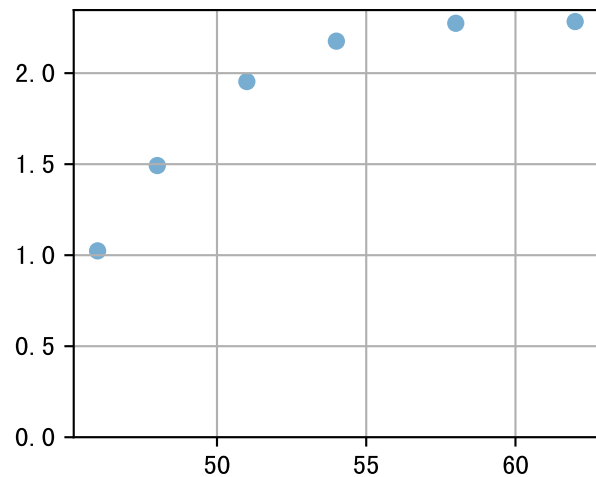
P6AE-033-4L10 (fit failed)



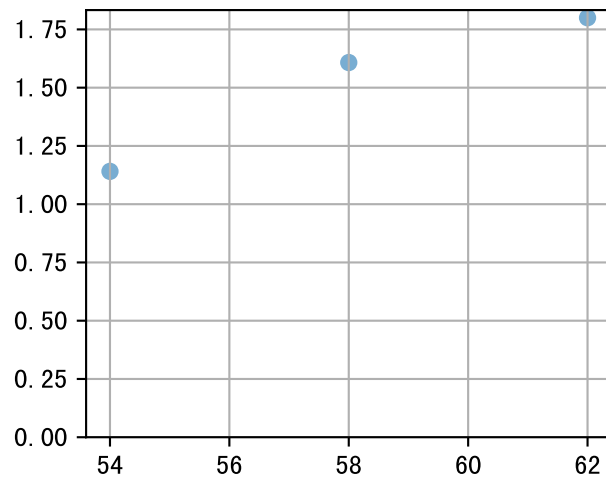
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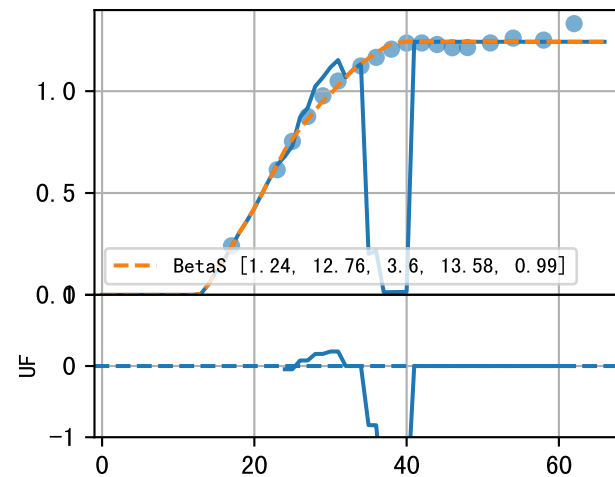
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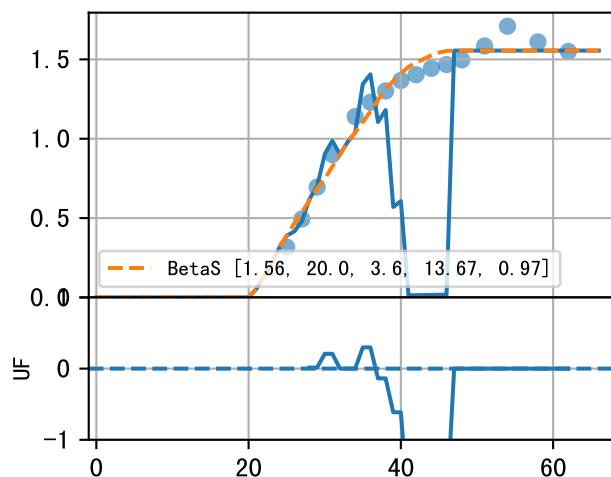
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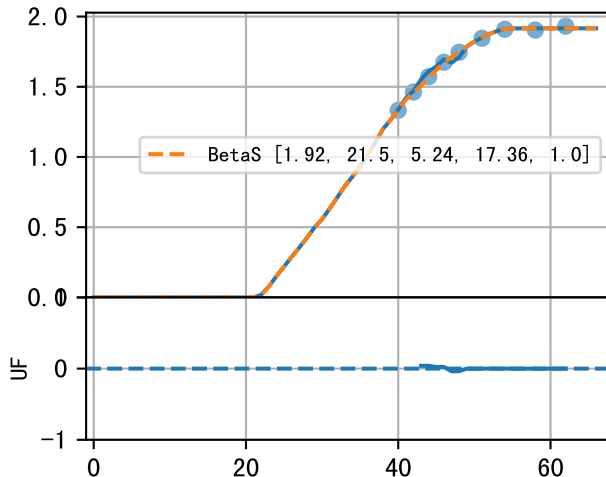
P6AE-033-4L8



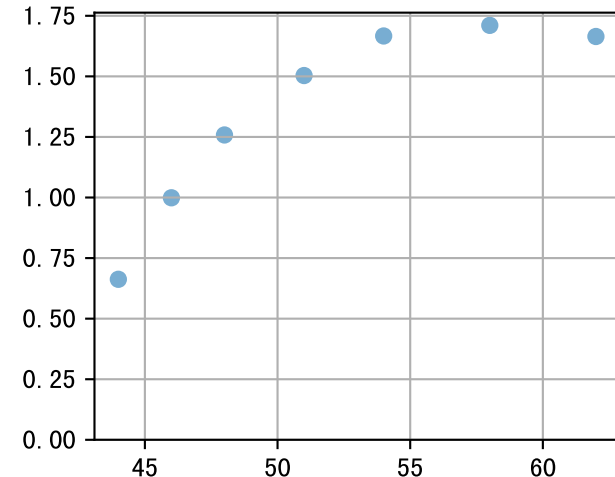
P6AE-045-12L10



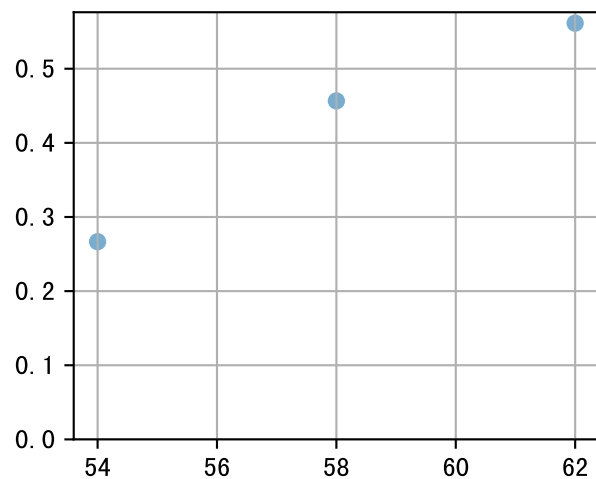
P6AE-045-12L14



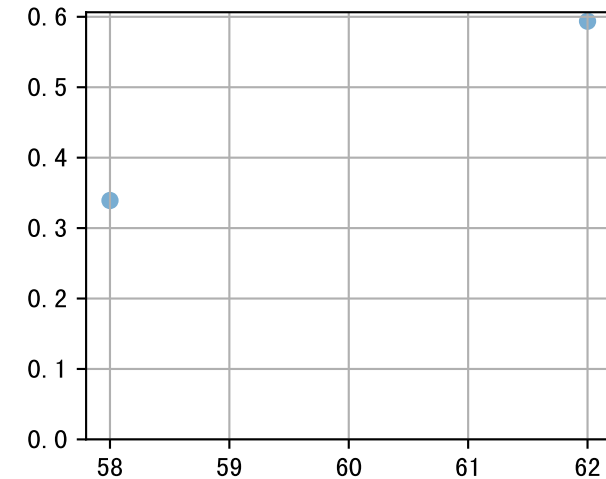
P6AE-045-12L17 (fit failed)



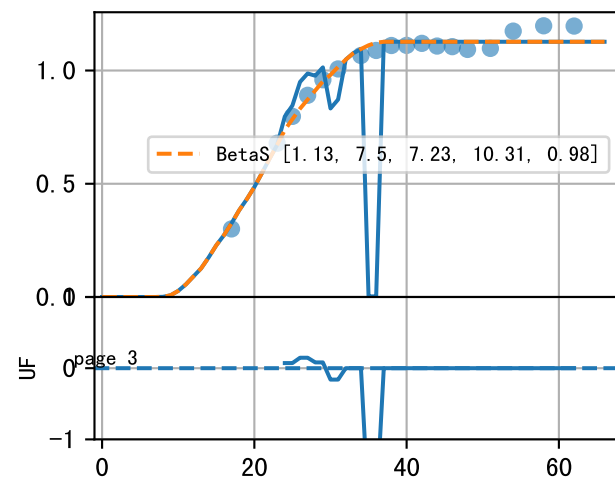
P6AE-045-12L20 (fit failed)

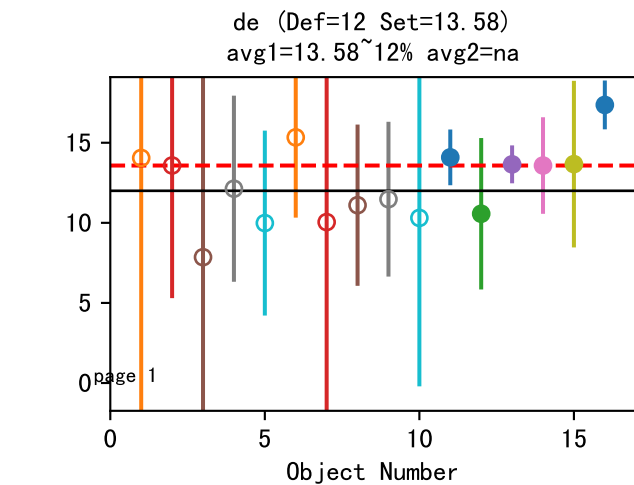
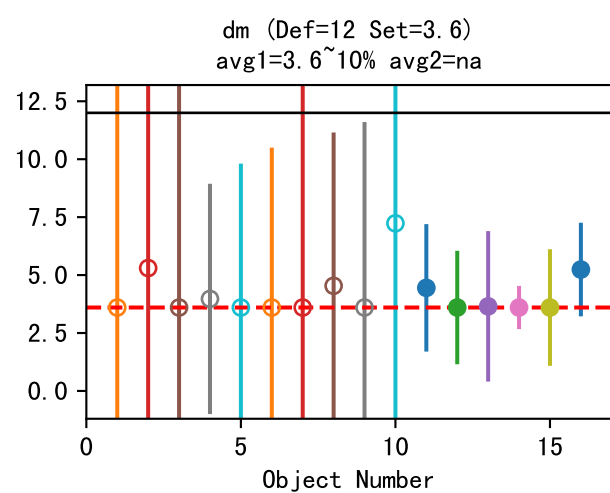
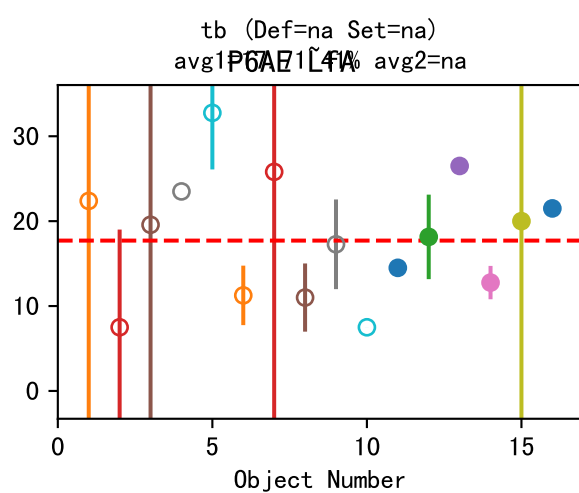
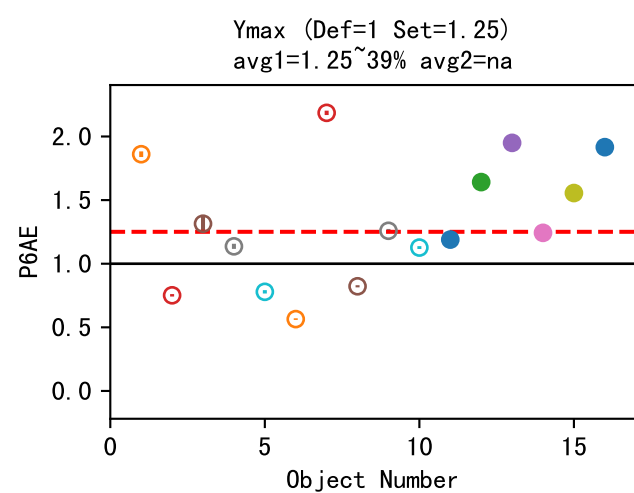


P6AE-045-12L23 (fit failed)

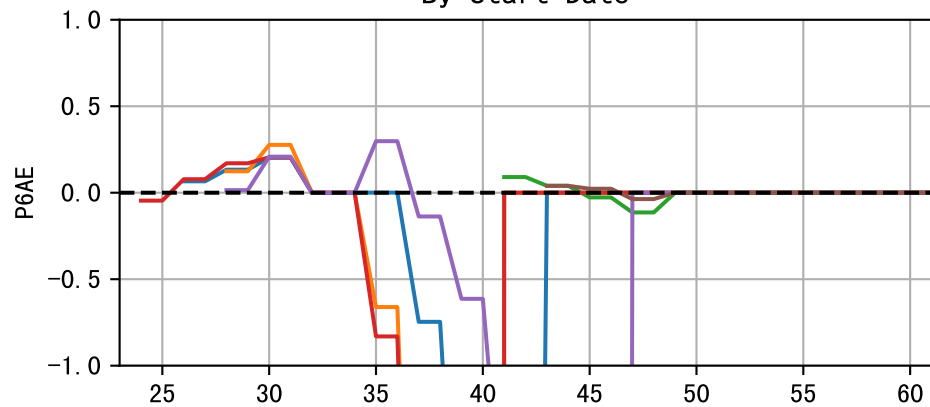


P6AE-045-12L7 (fit failed)

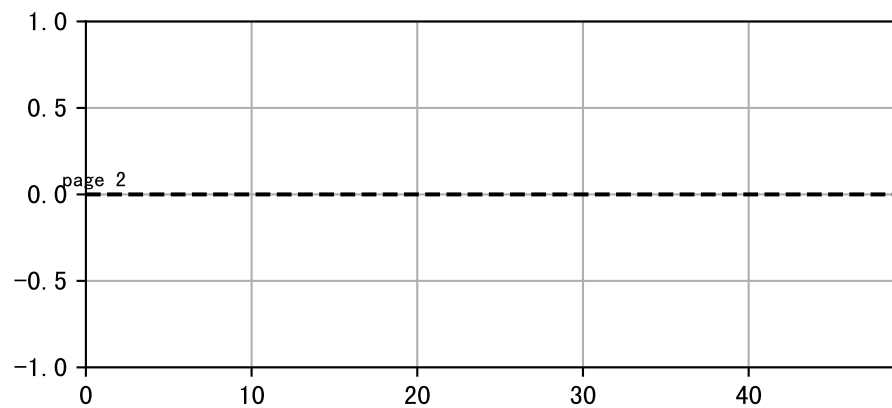
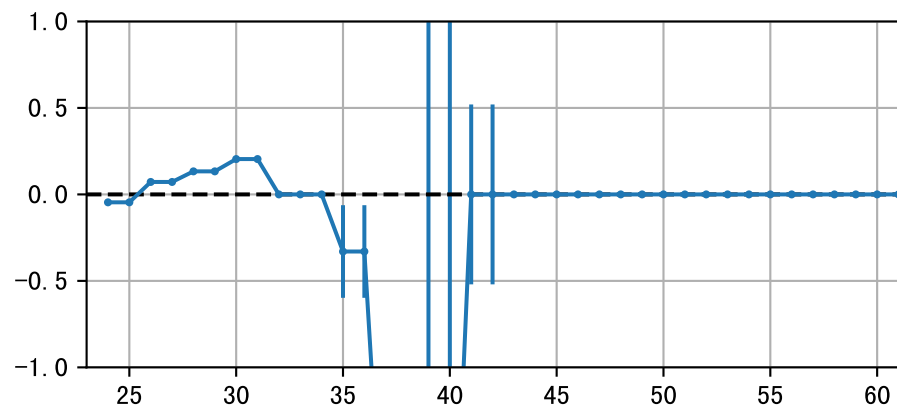
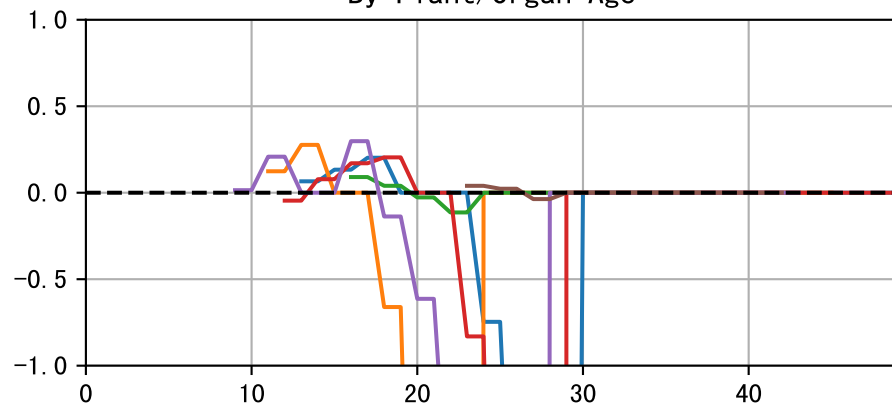


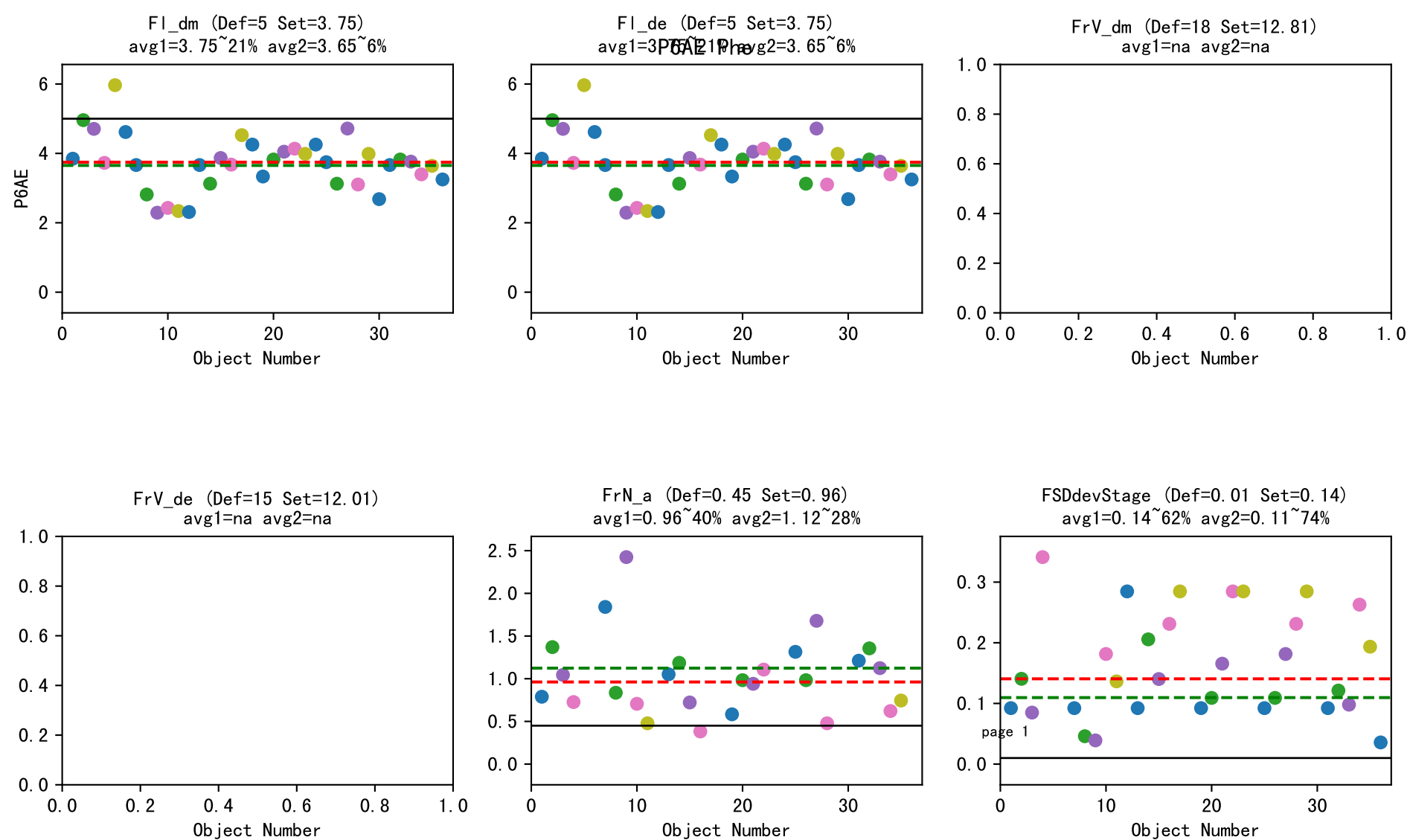


By Start Date

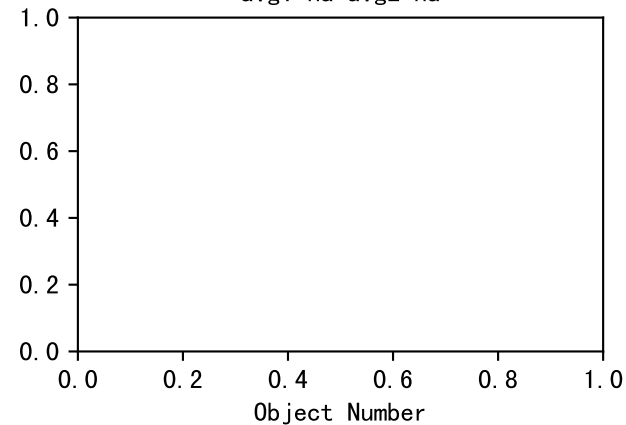


By Plant/Organ Age

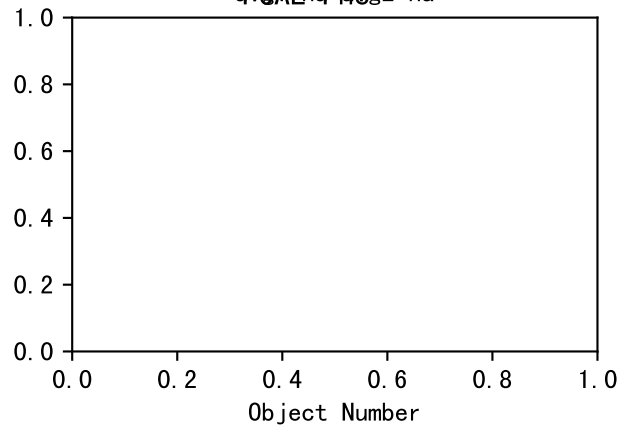




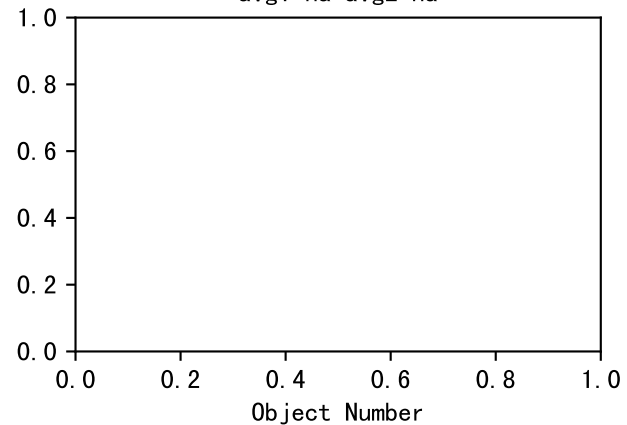
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avg1=na avg2=na



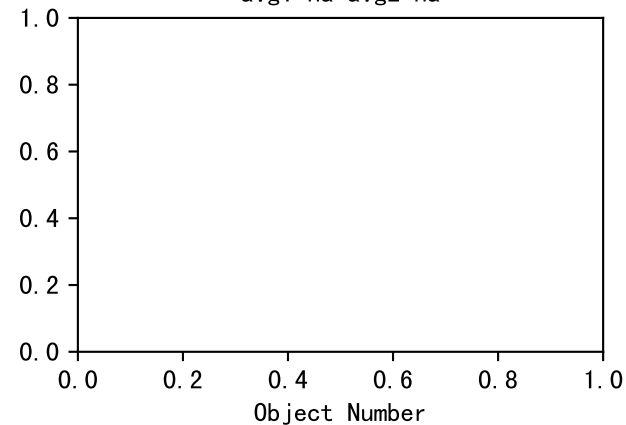
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avg1=na avg2=na



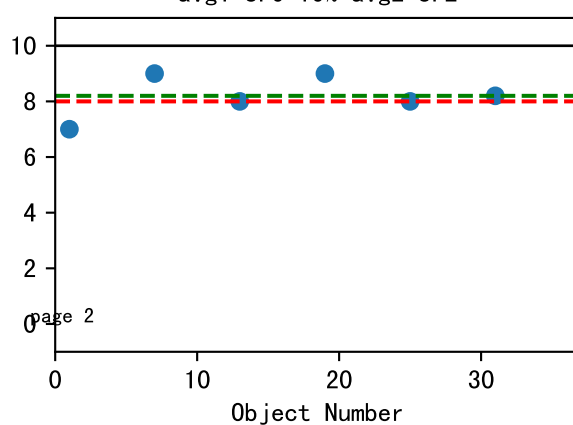
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



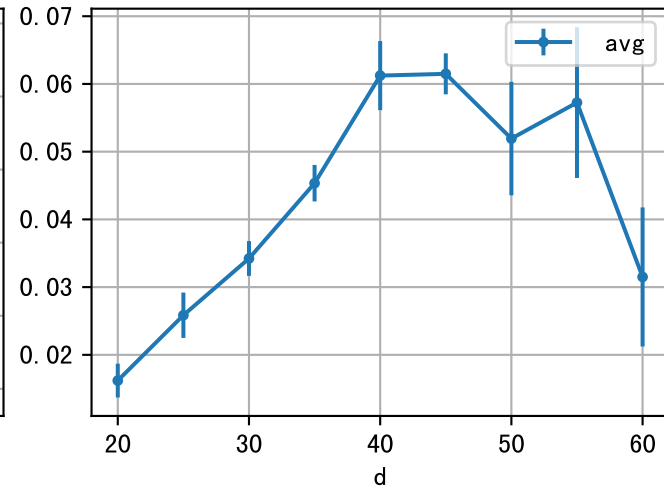
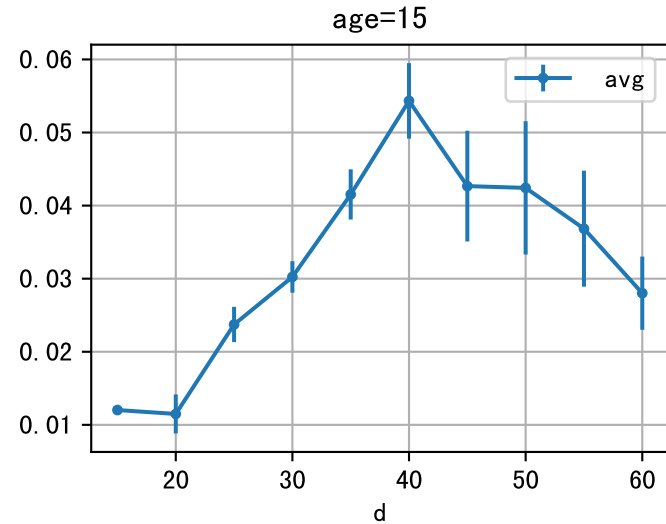
FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na



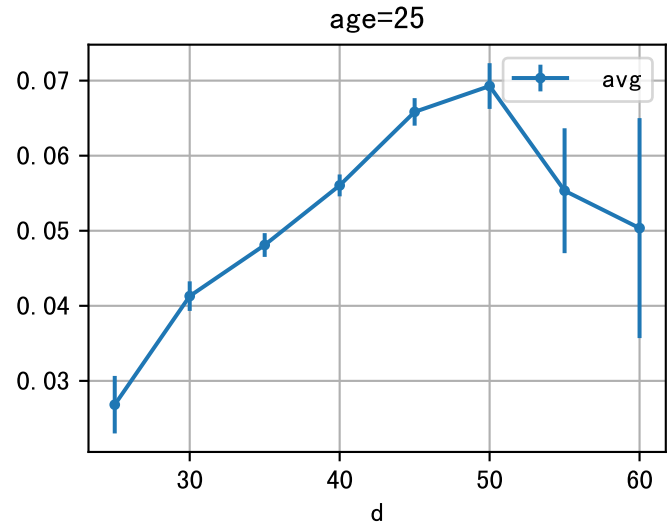
NNgen (Def=10 Set=8)
avg1=8.0~10% avg2=8.2

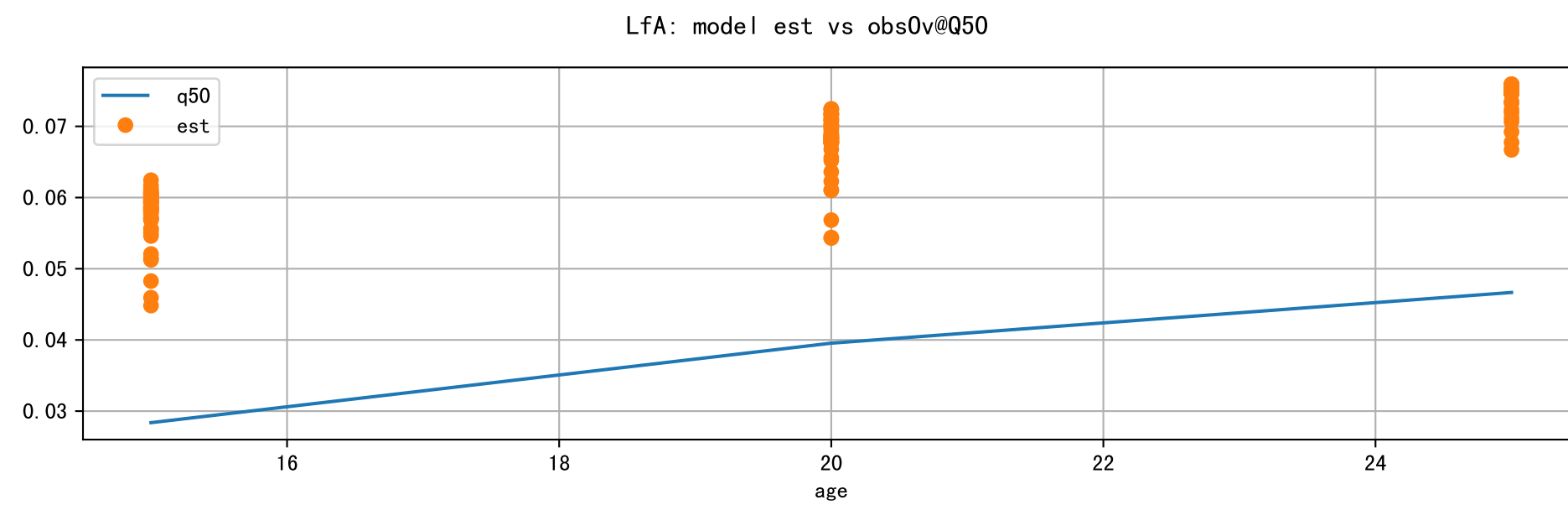


LfA: avg vs. d at each age group



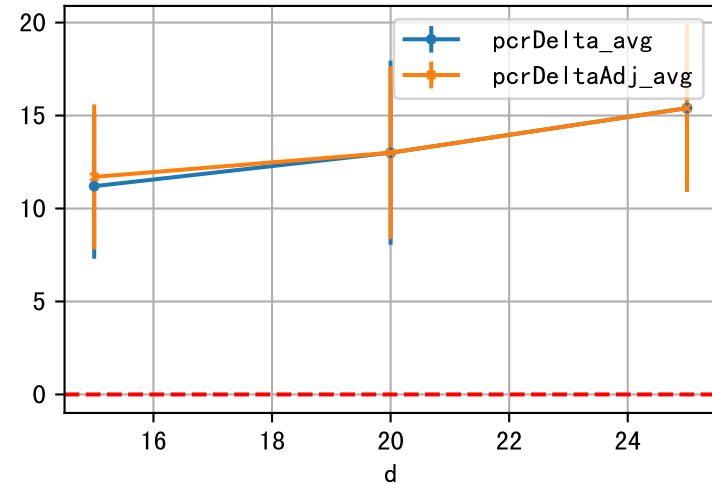
page 1



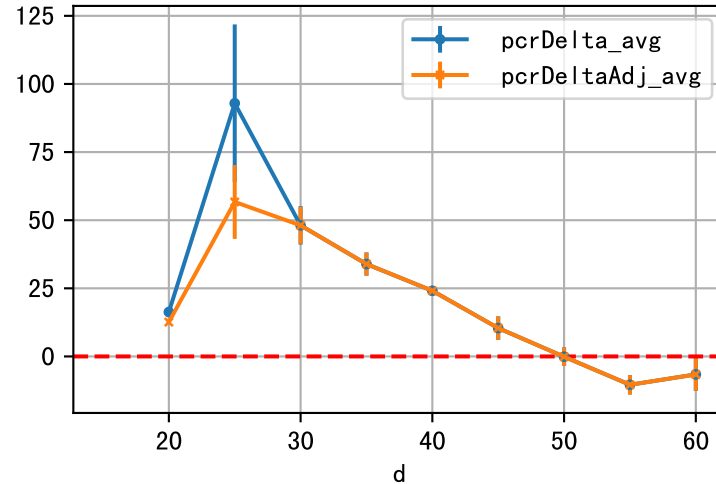


P6AE LfA: D_5d_LfA

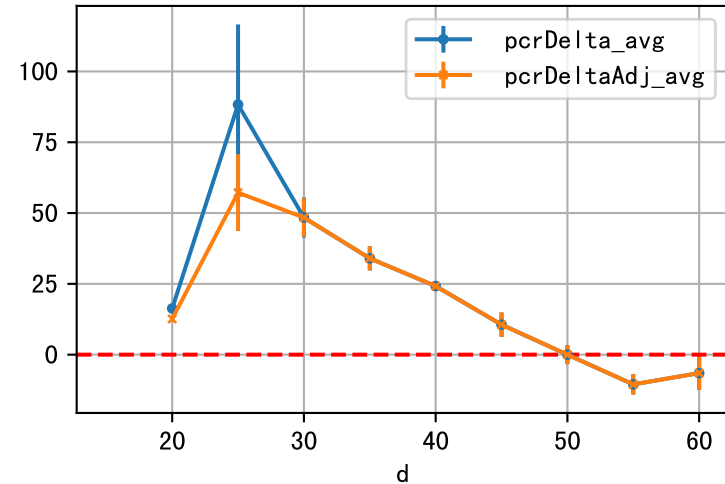
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

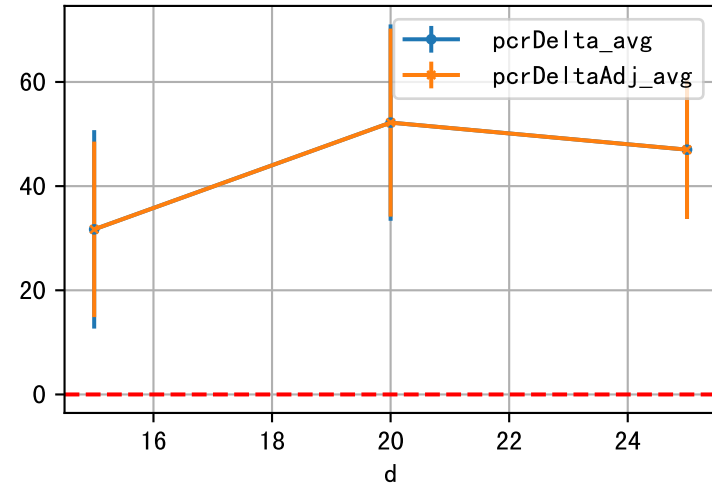


DeltaTypeAbbr=Wei AvgByD

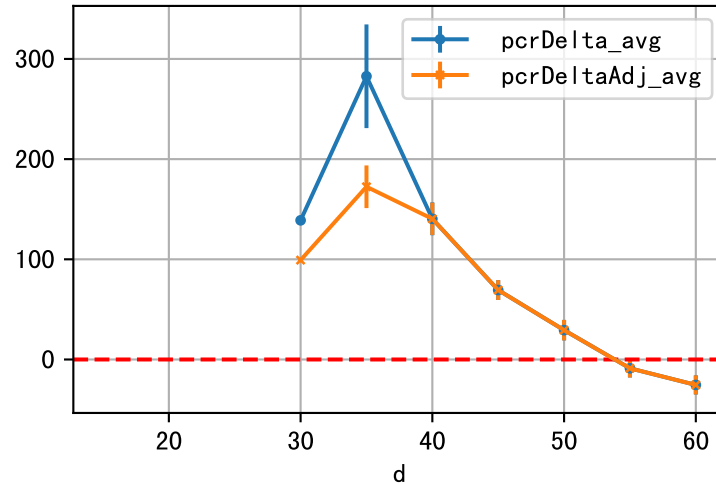


P6AE LfA: D_15d_LfA

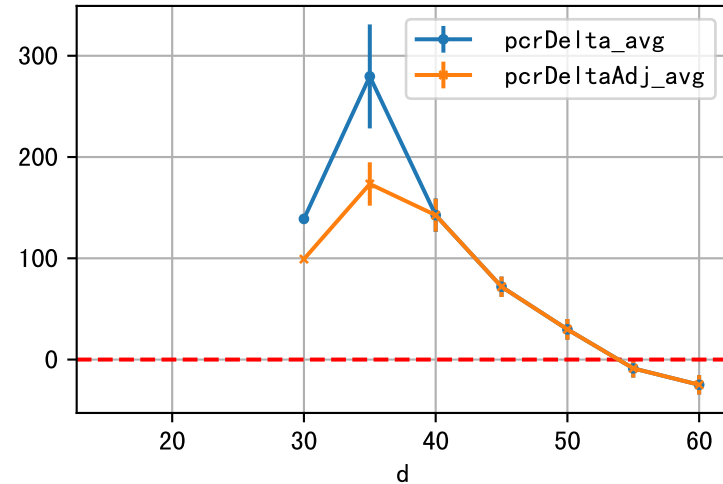
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DeltaTypeAbbr=GrpByDay

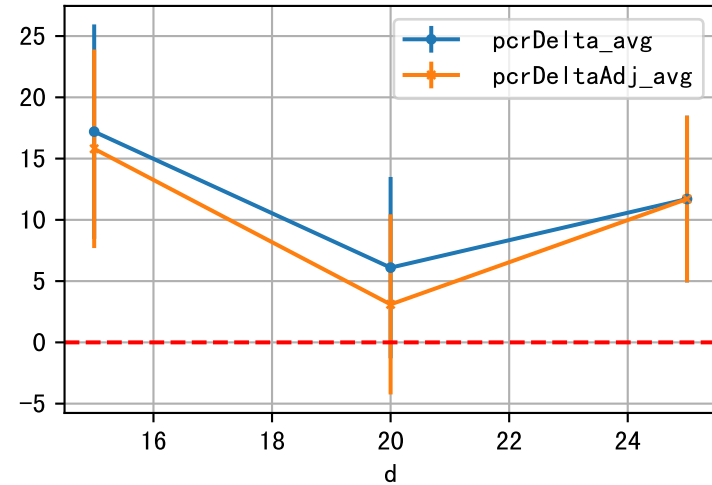


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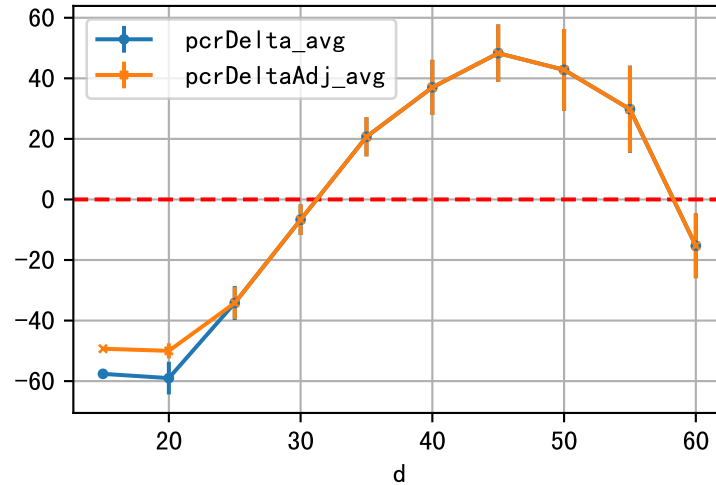


P6AE LfA: D_Q50_LfA

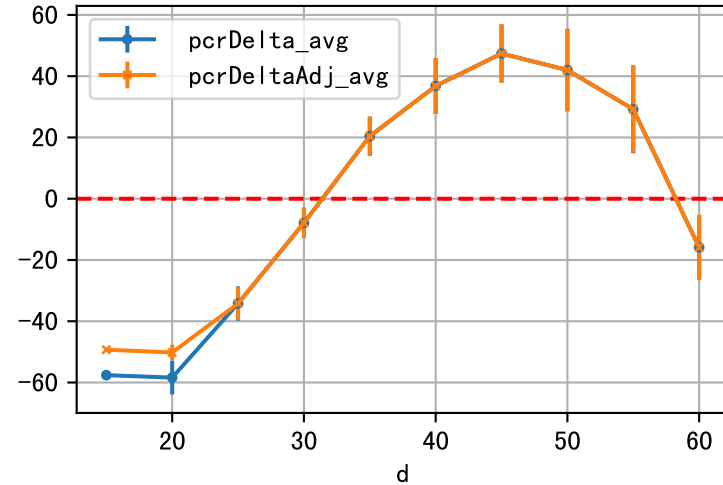
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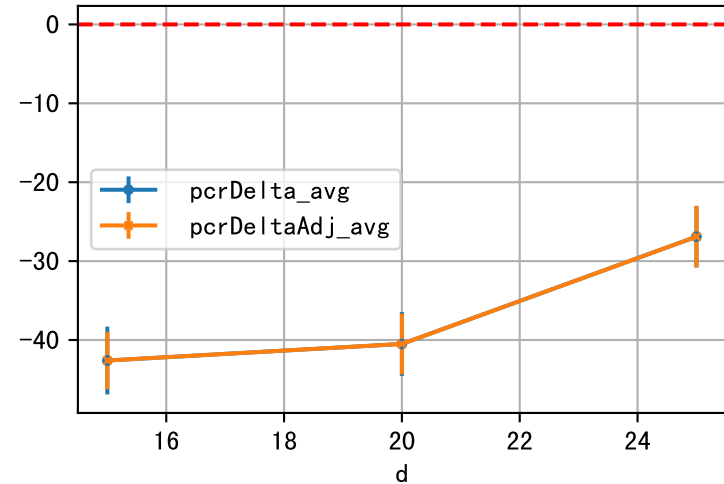
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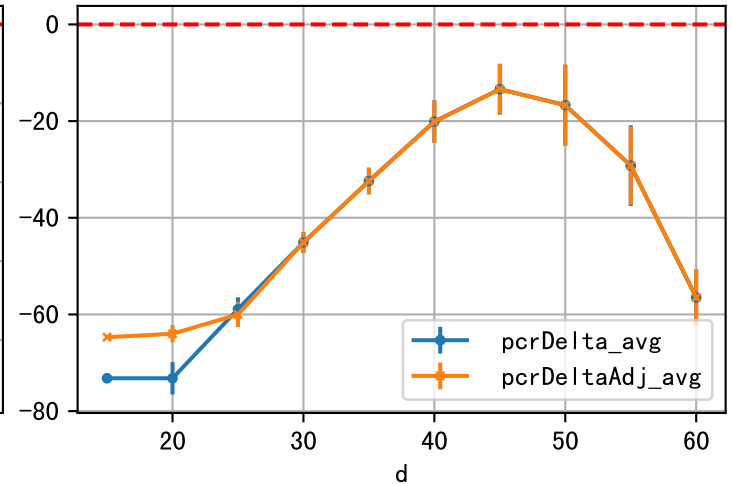
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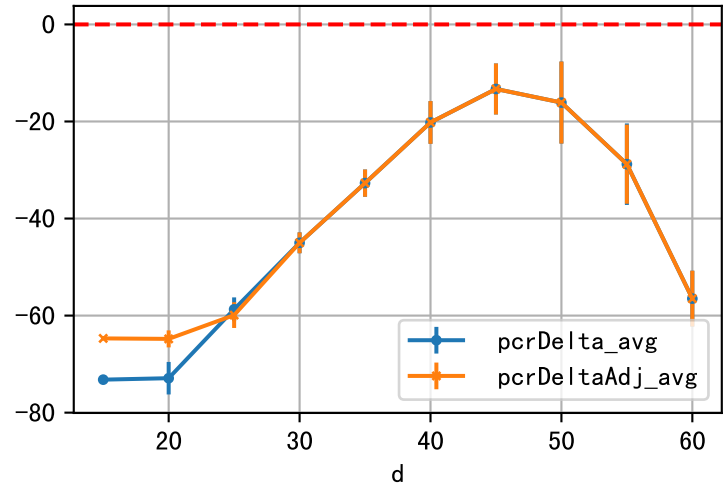
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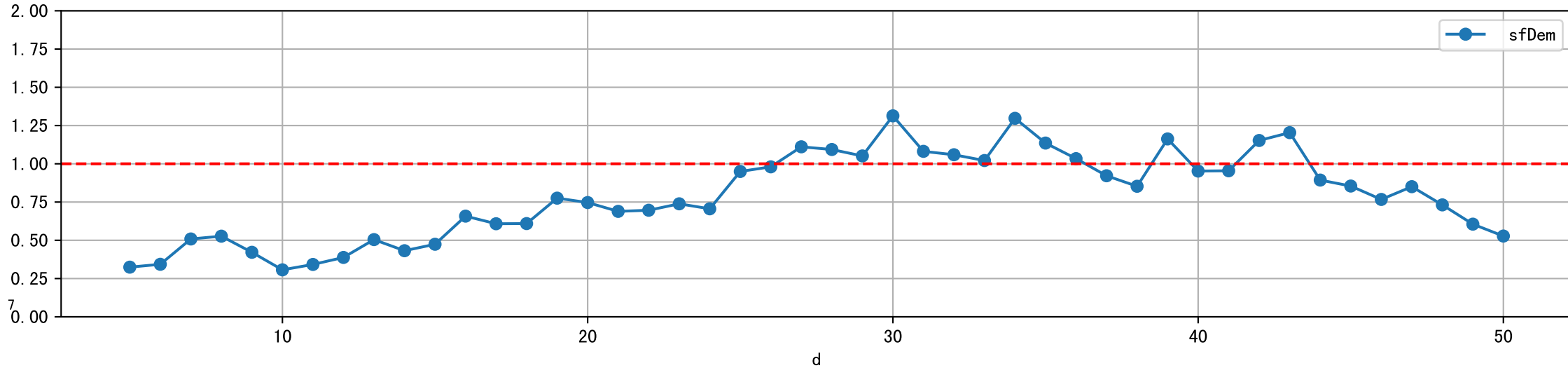
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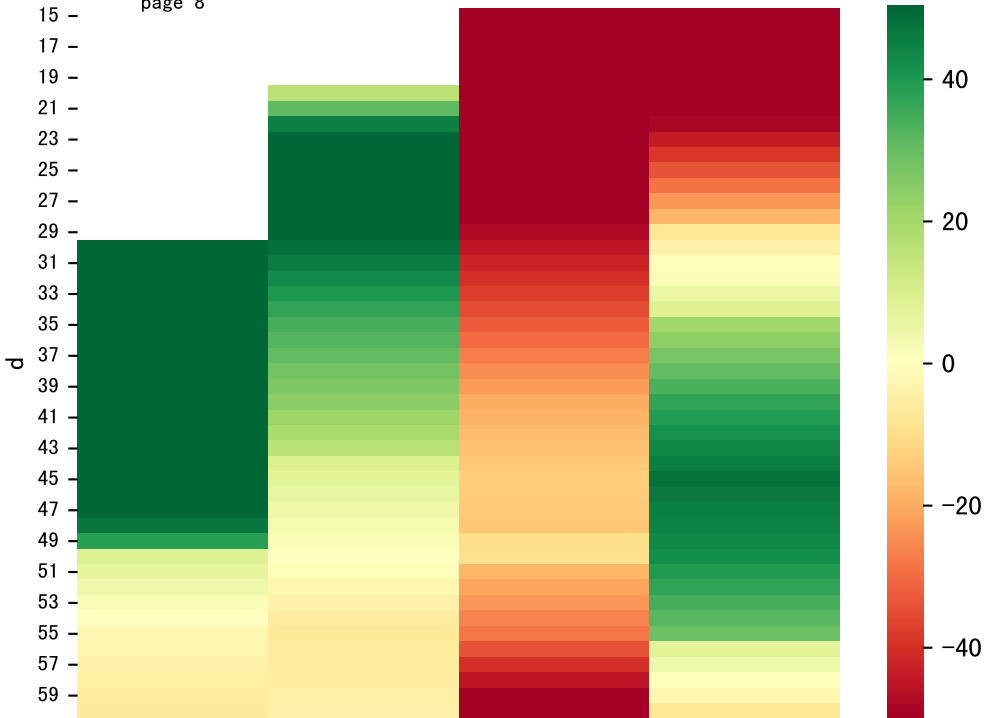


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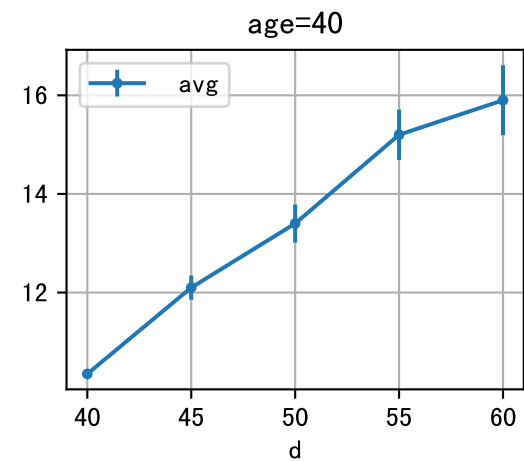
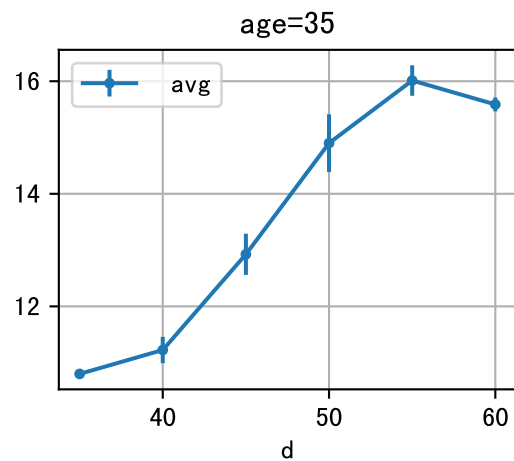
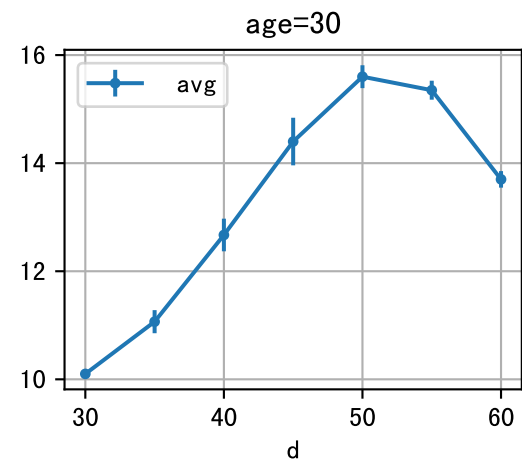
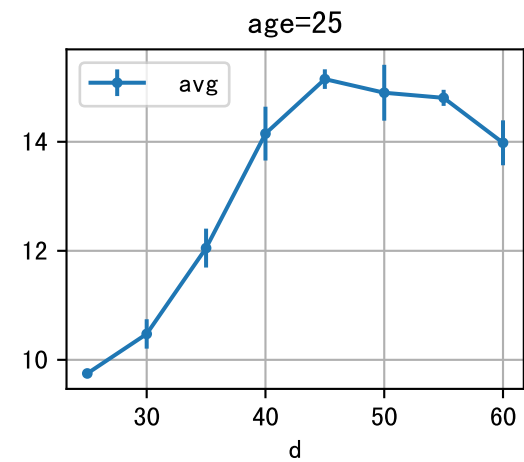
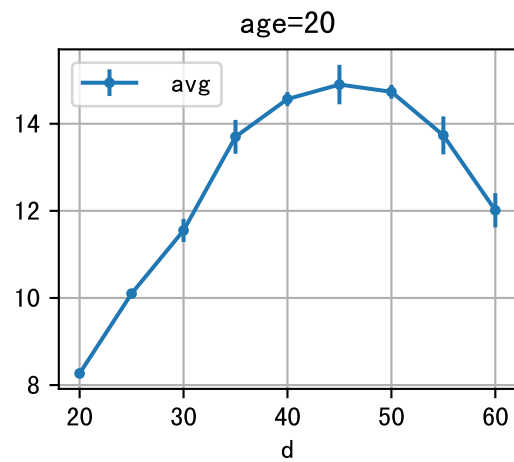
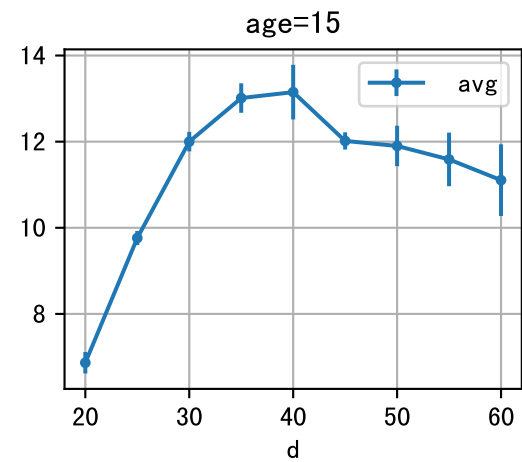


LfA: sfDem

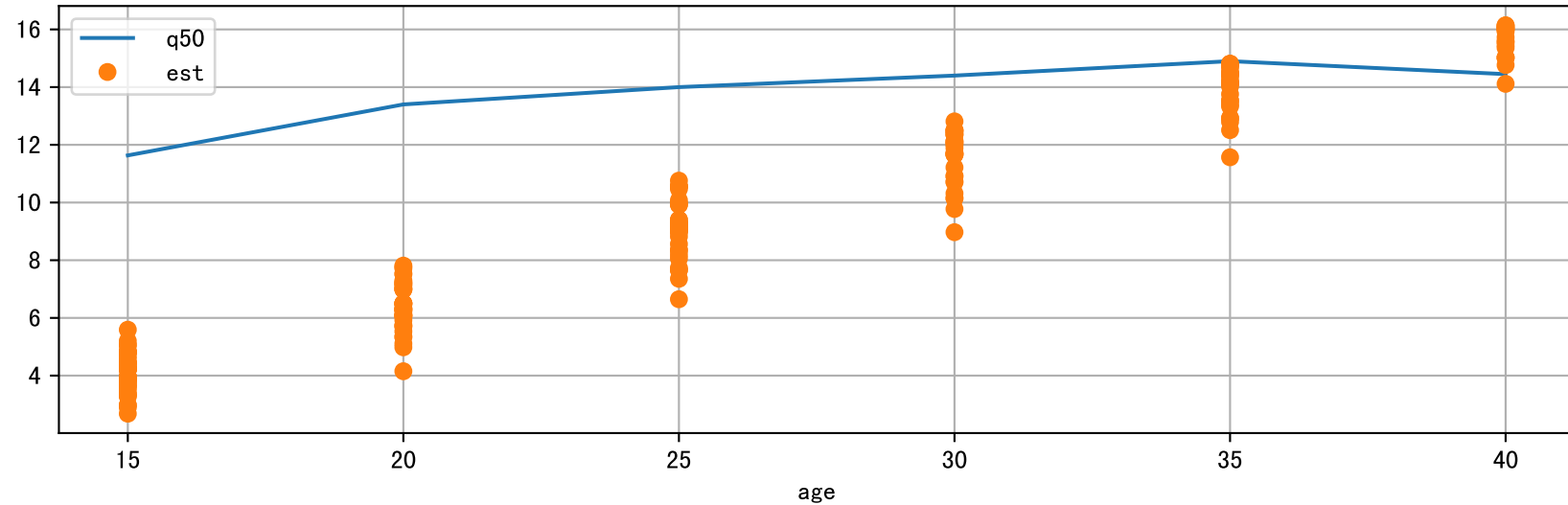




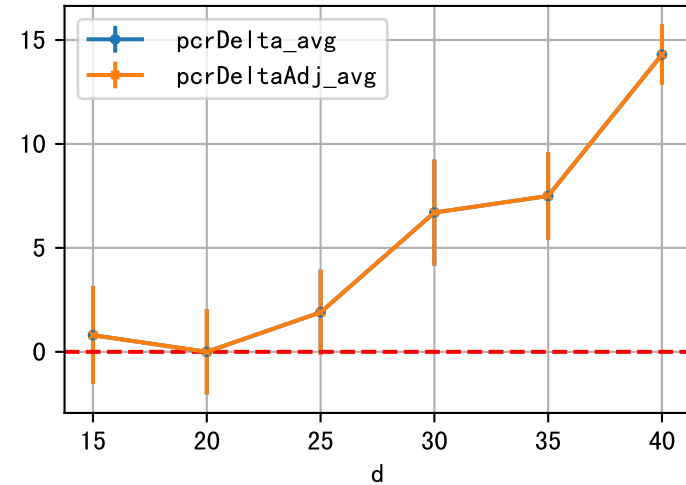
NdD: avg vs. d at each age group



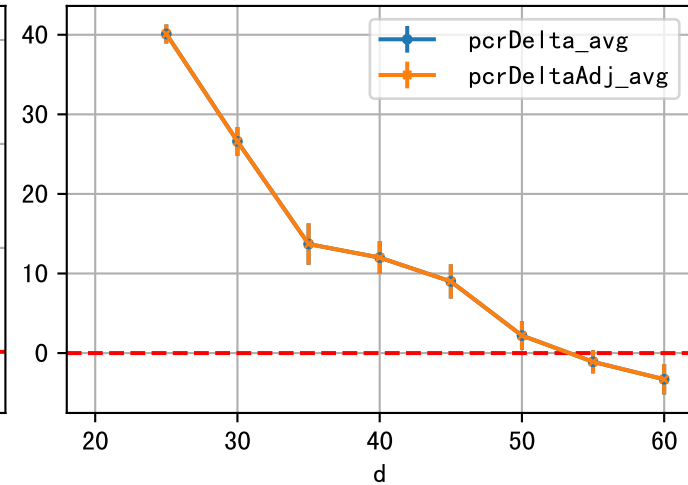
NdD: model est vs obs0v@Q50



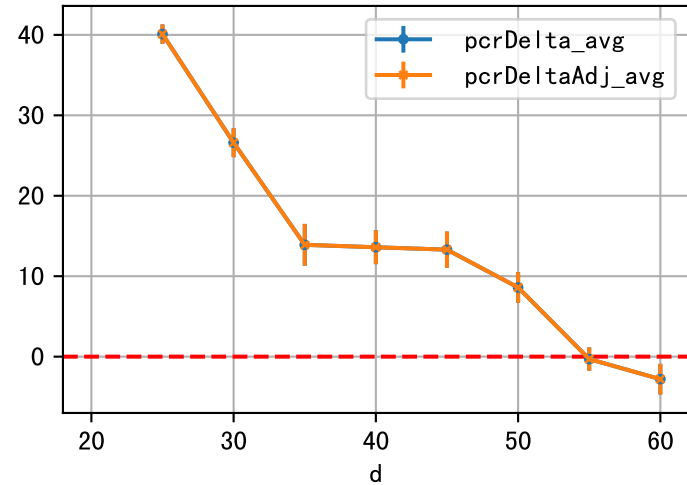
DeltaTypeAbbr=GrpByAge



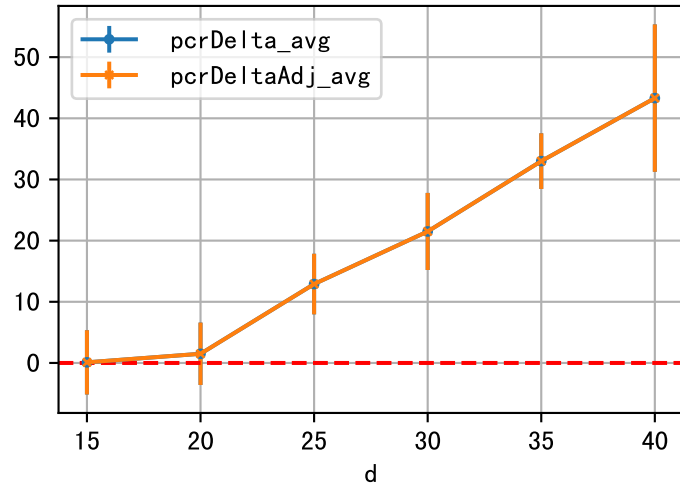
DeltaTypeAbbr=GrpByDay



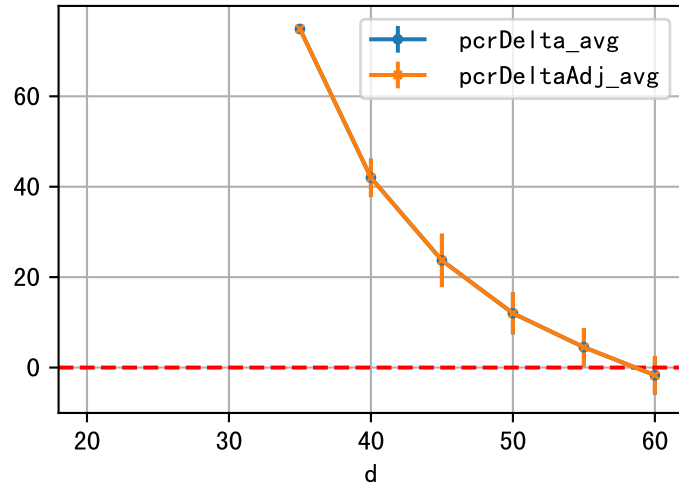
DeltaTypeAbbr=Wei AvgByD



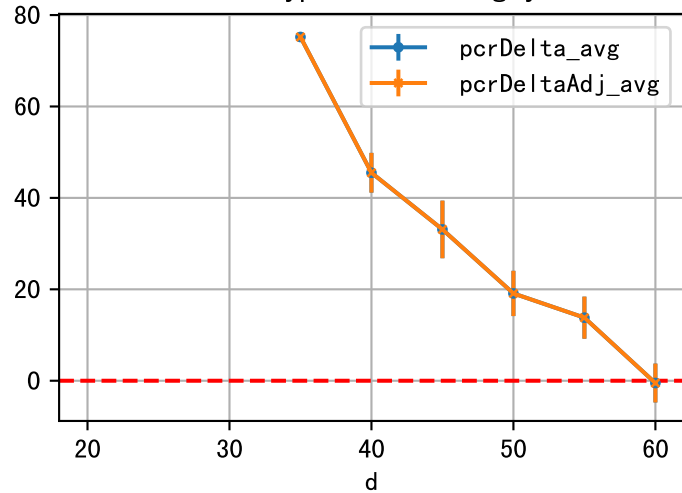
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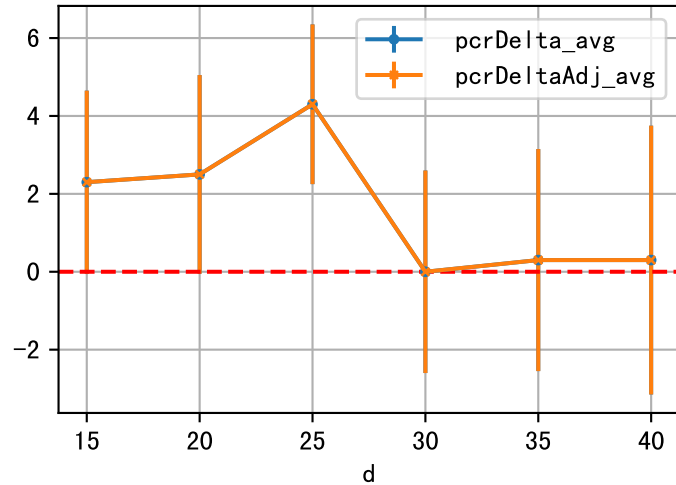
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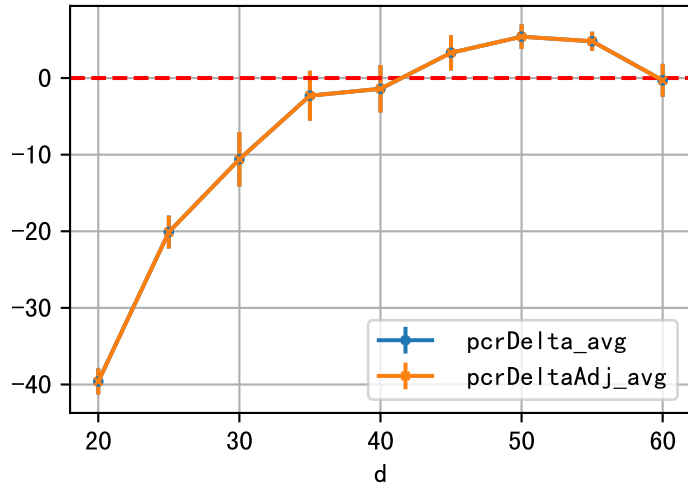
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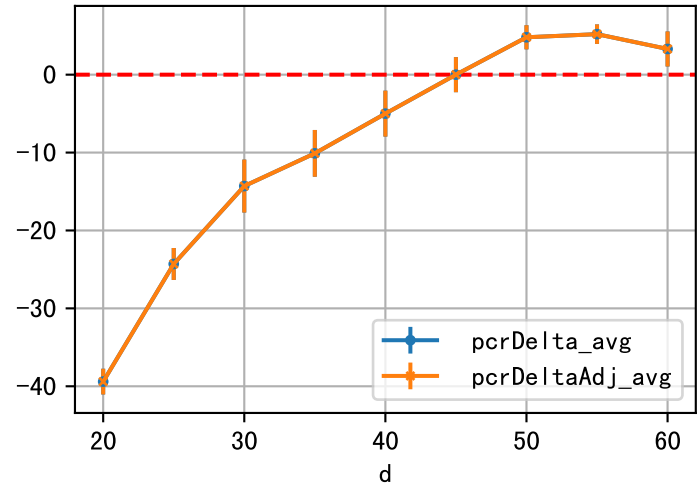
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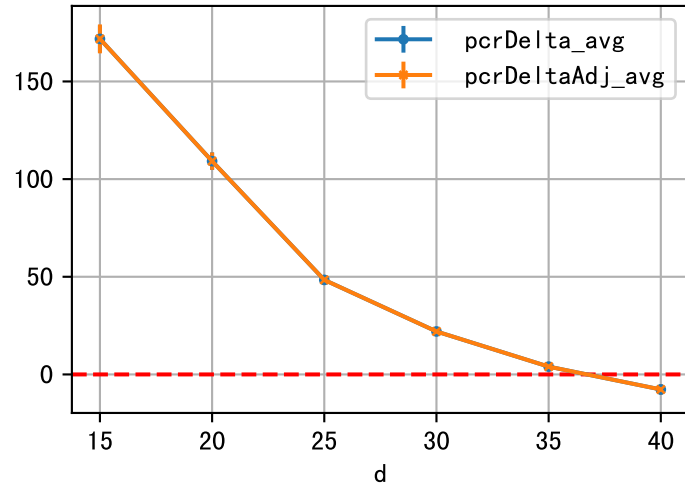
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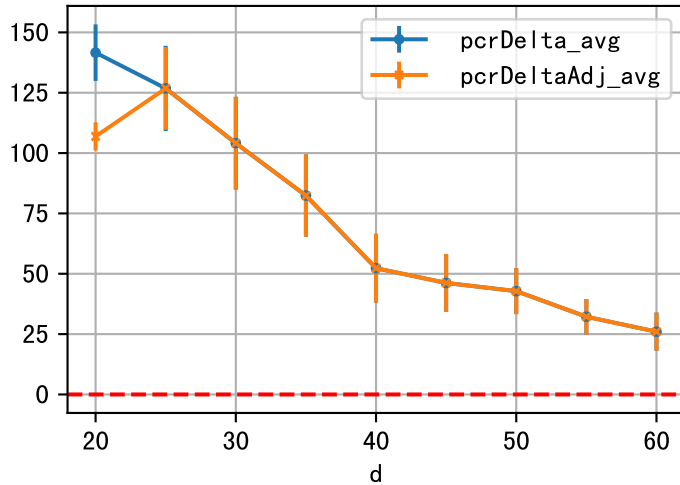
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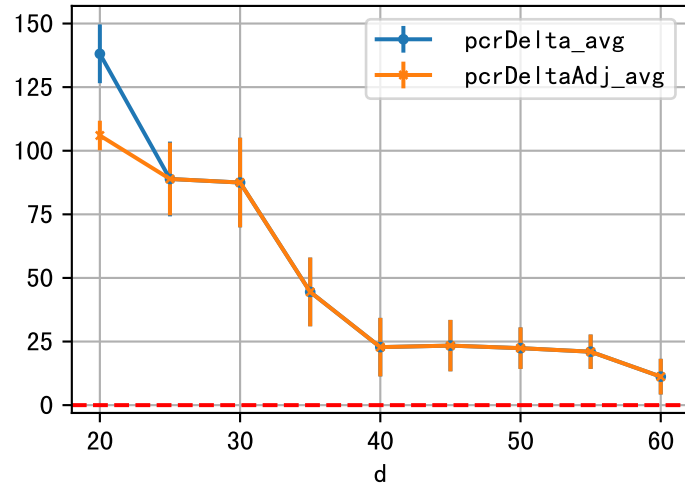
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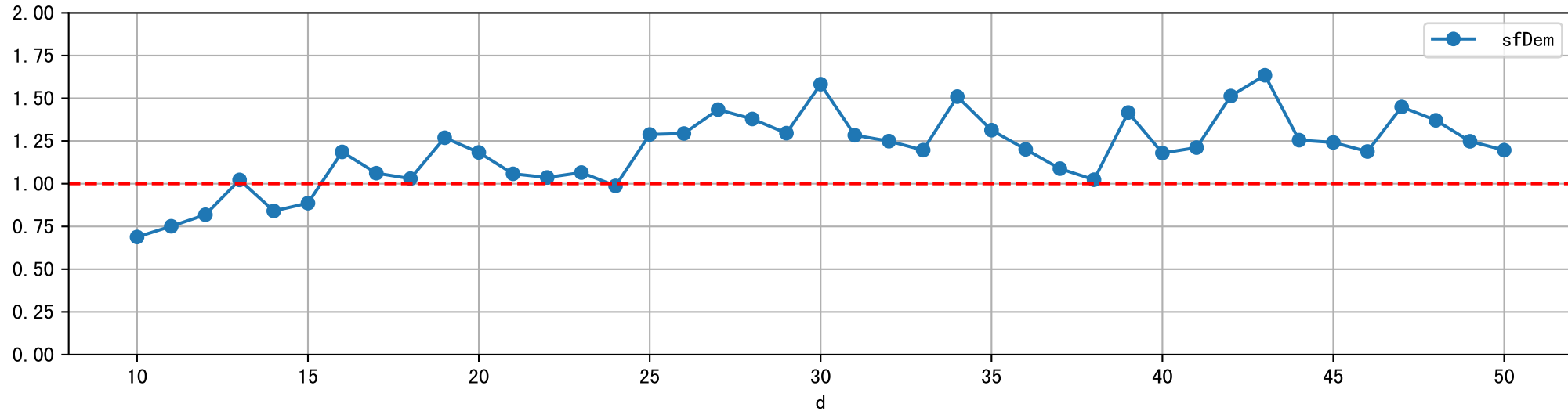
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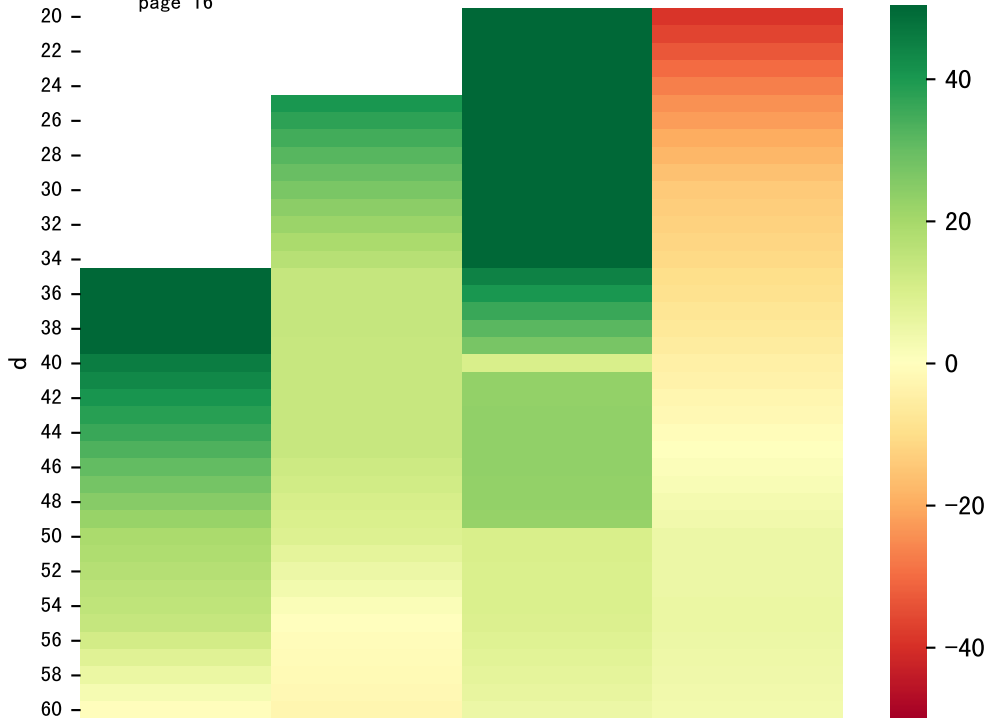


DeltaTypeAbbr=Wei AvgByD

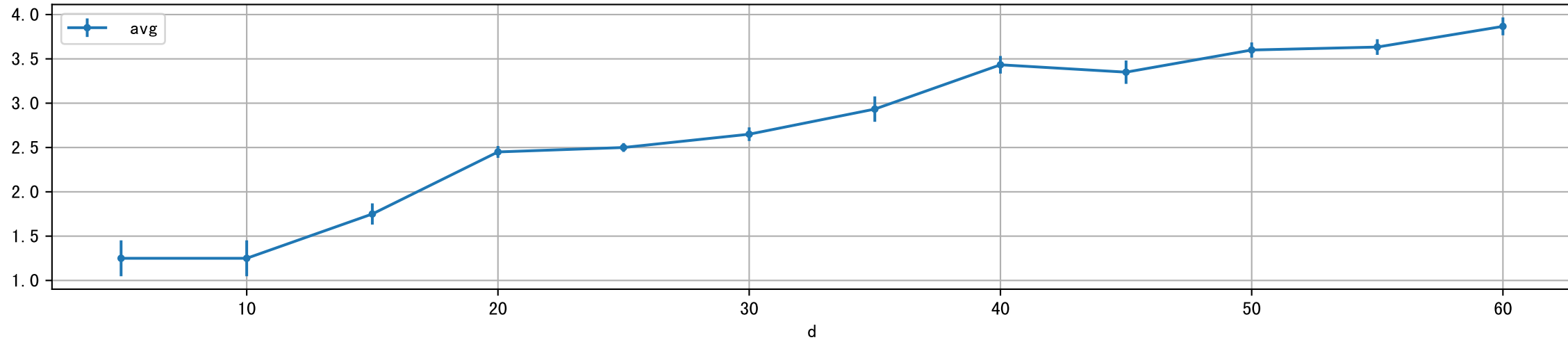


NdD: sfDem

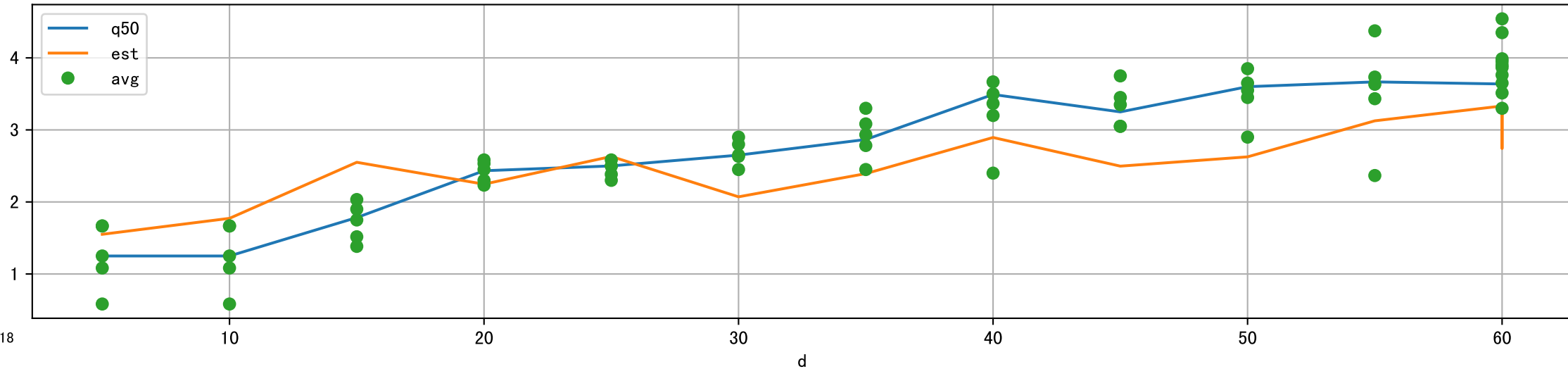




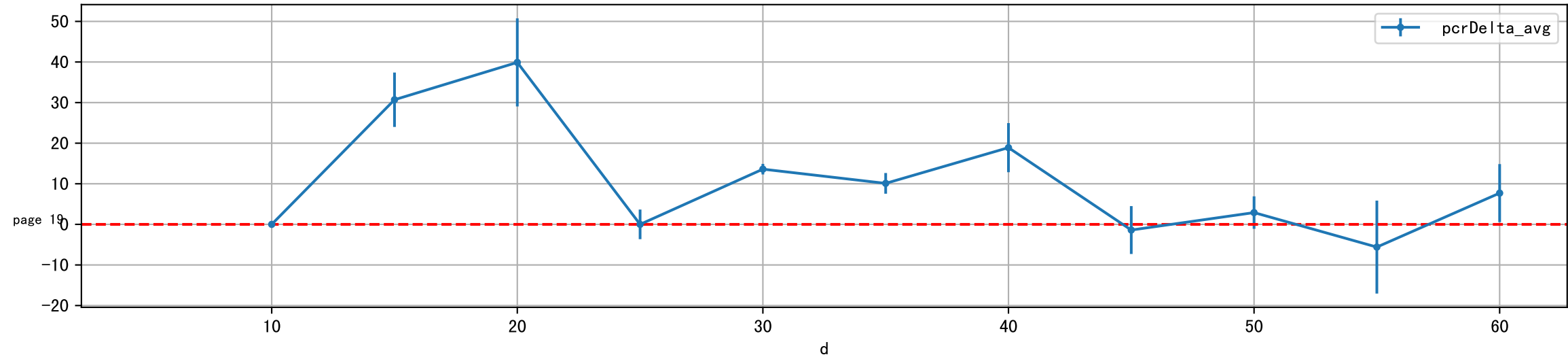
dStH: avg vs. d



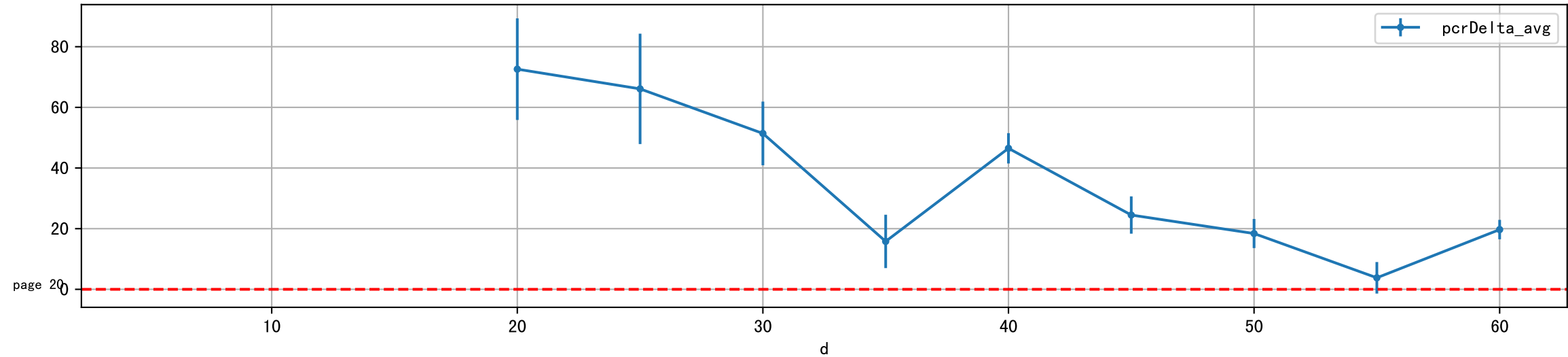
dStH: obsAvg vs obs0v@Q50



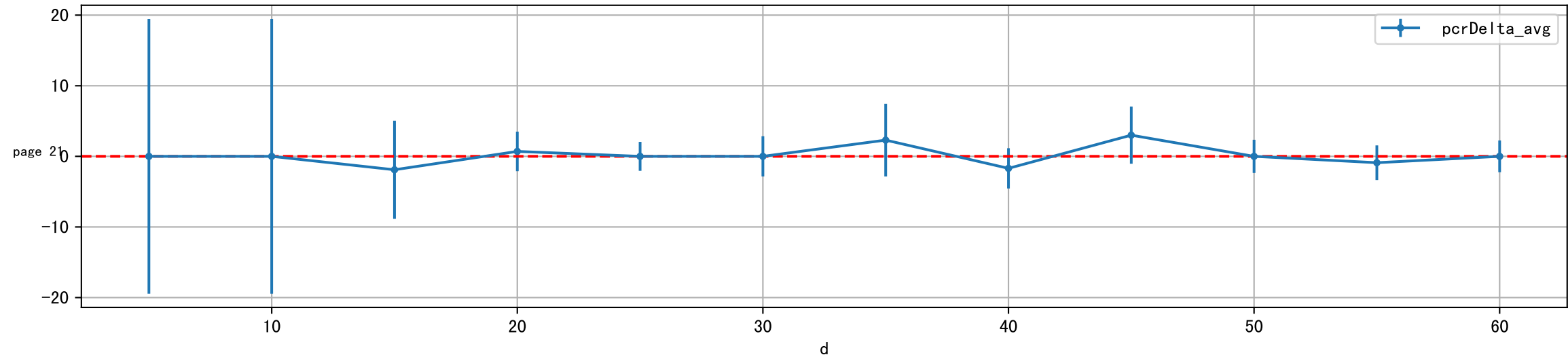
dStH: D_5d_StH



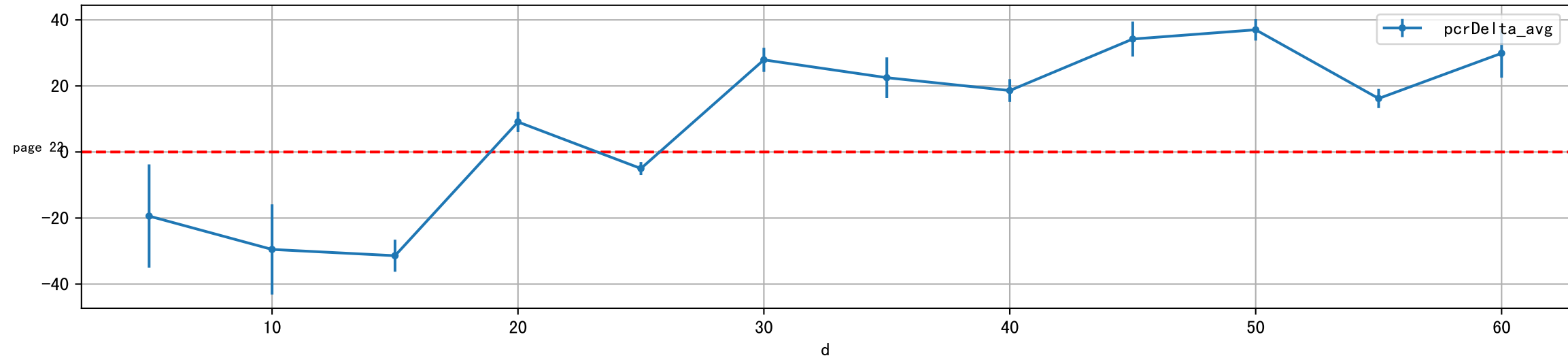
dStH: D_15d_StH



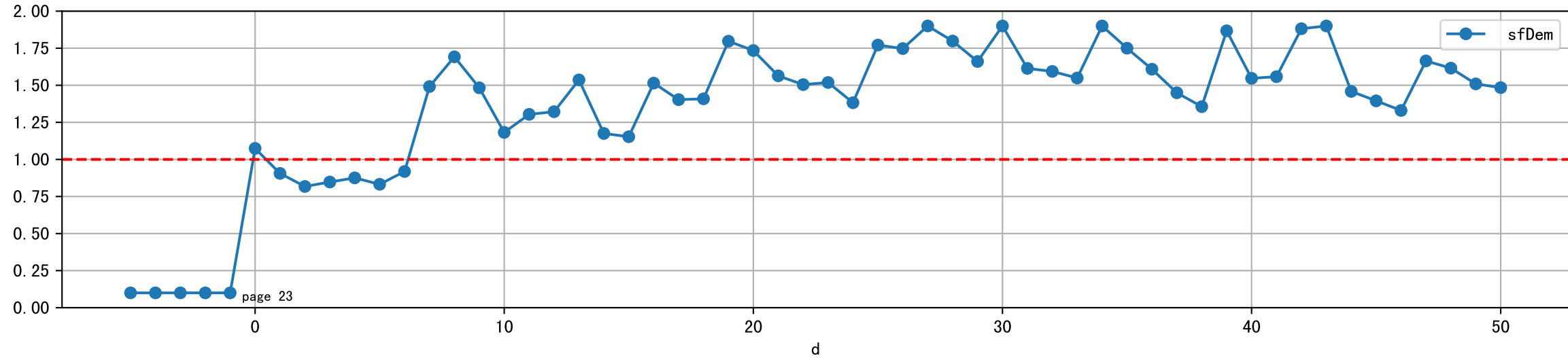
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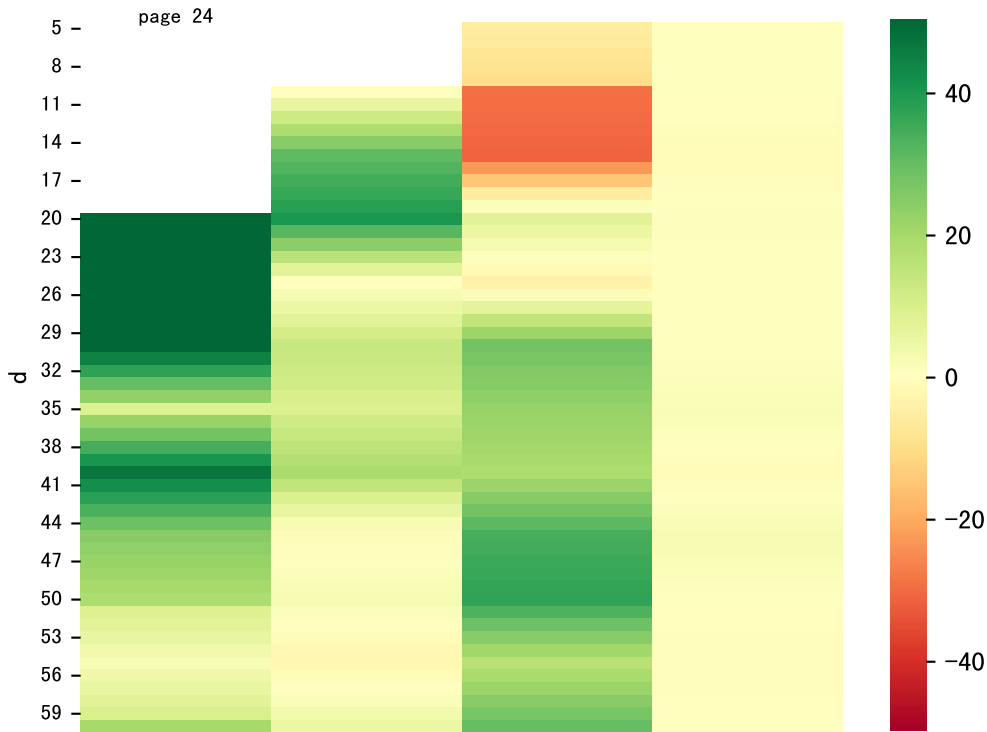


dStH: D_Est_StH



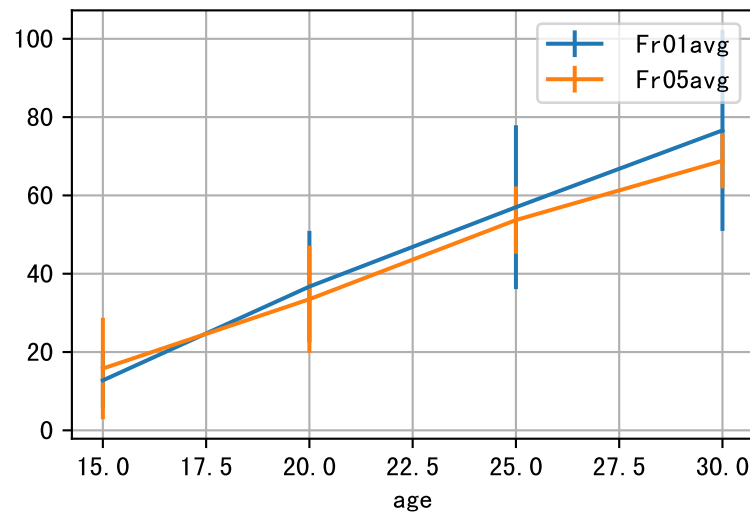
dStH: sfDem



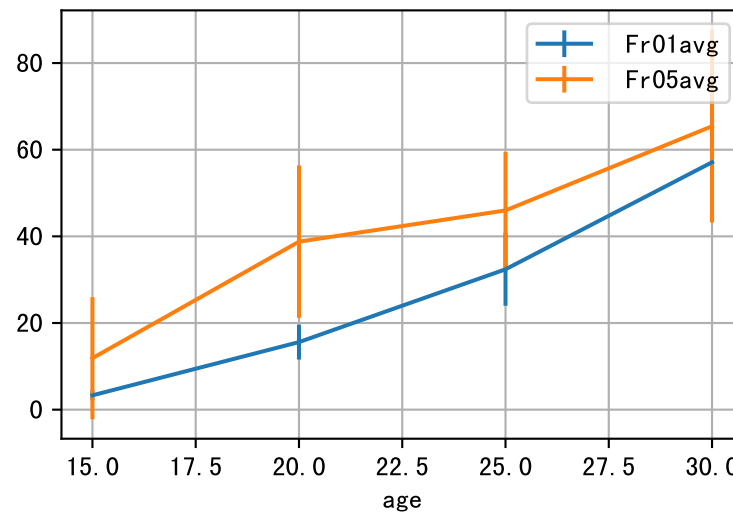


FrV: Fr01 vs Fr05 at each truss

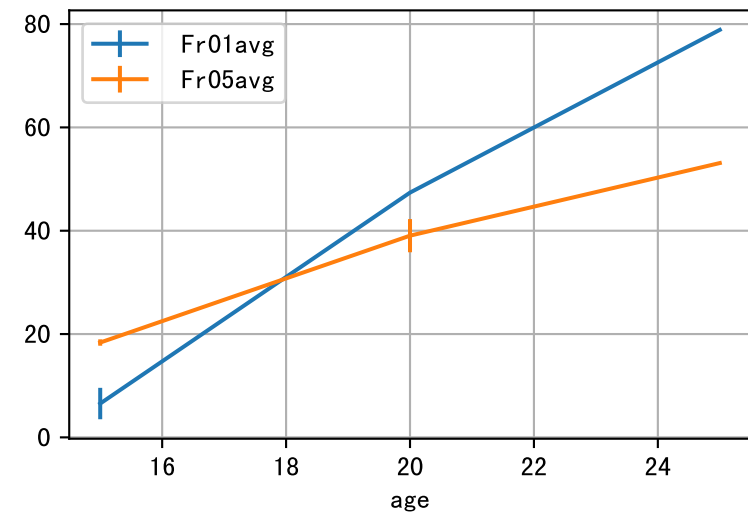
organID=T01



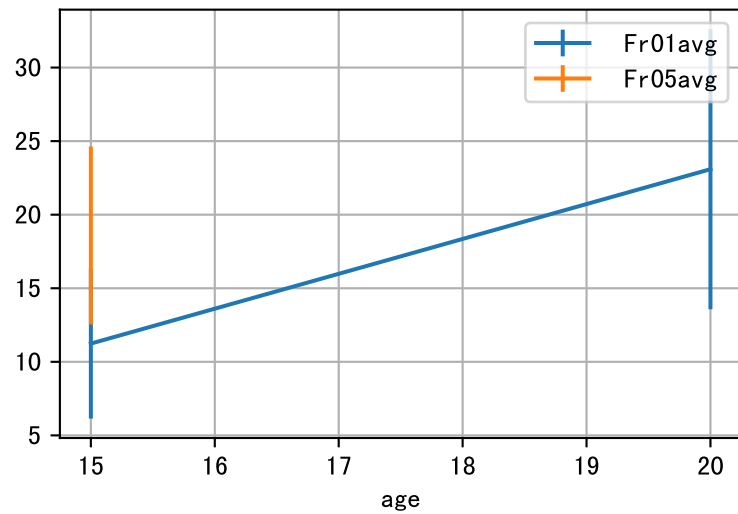
organID=T02



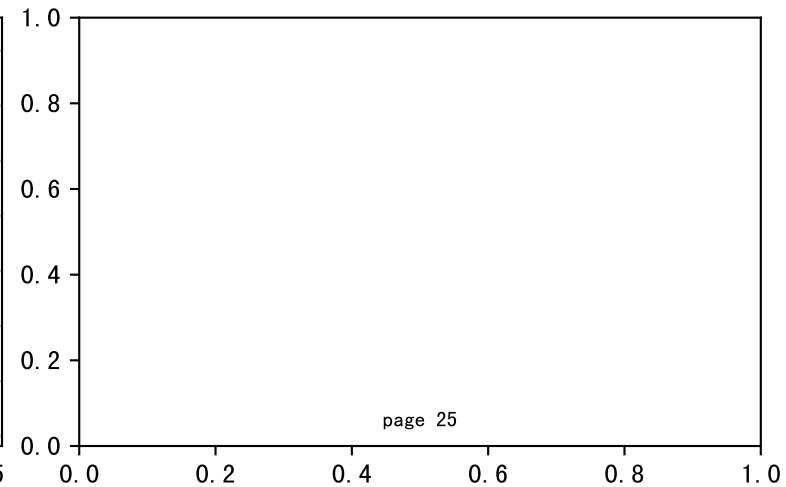
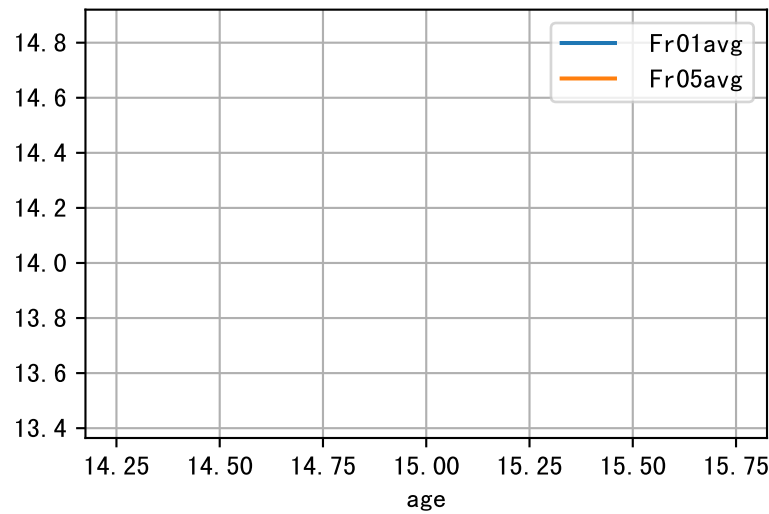
organID=T03



organID=T04

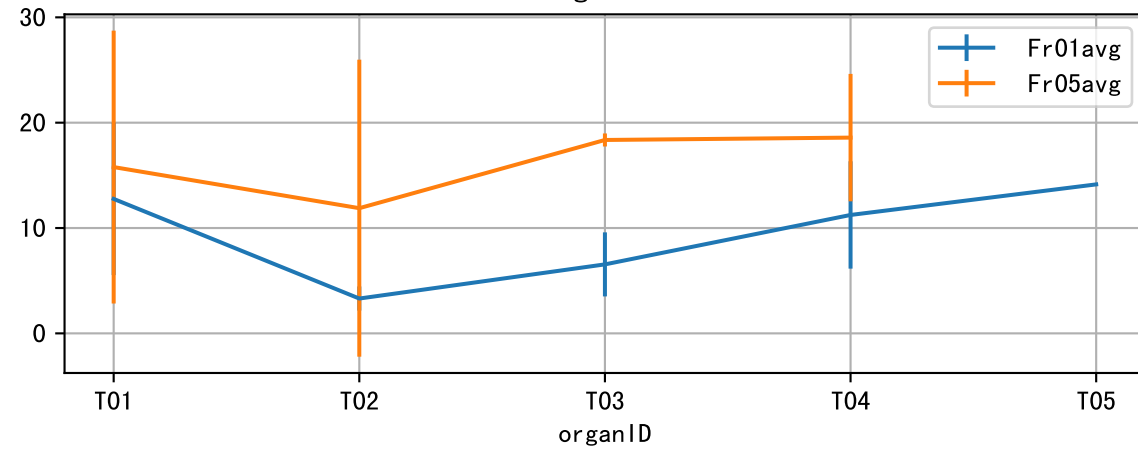


organID=T05

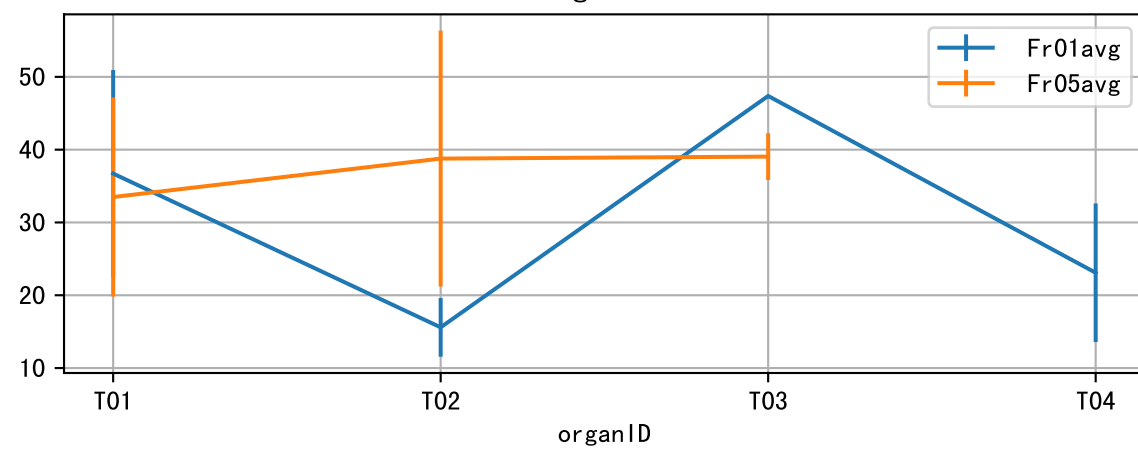


FrV trend at each age

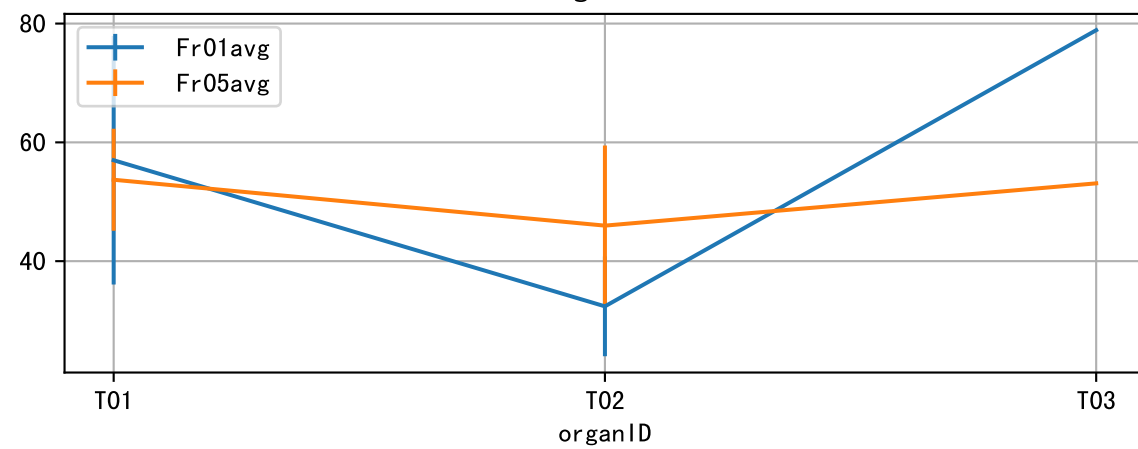
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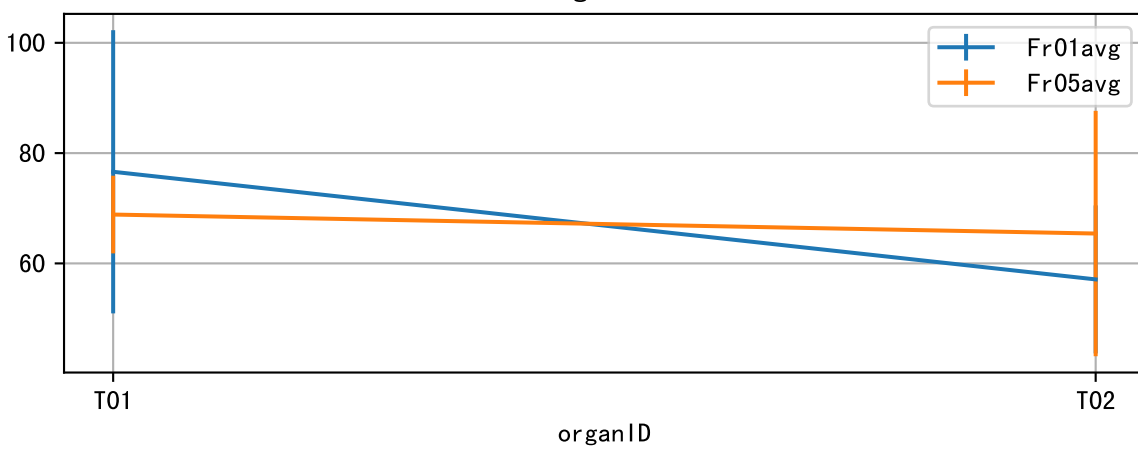
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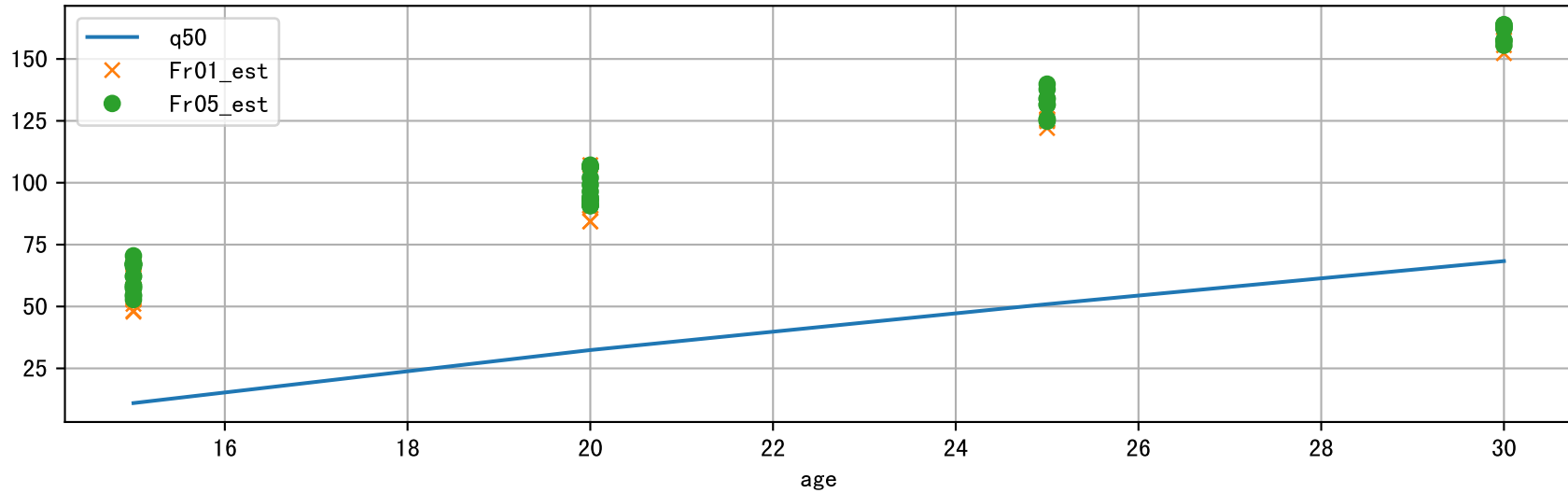
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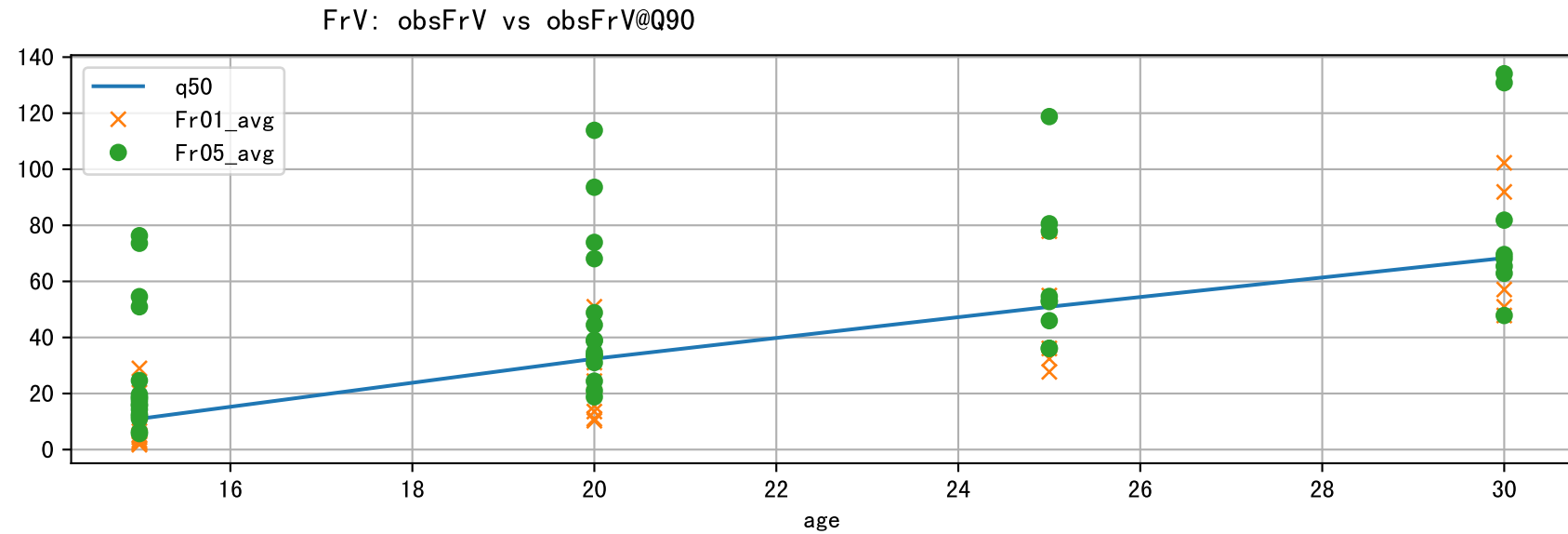


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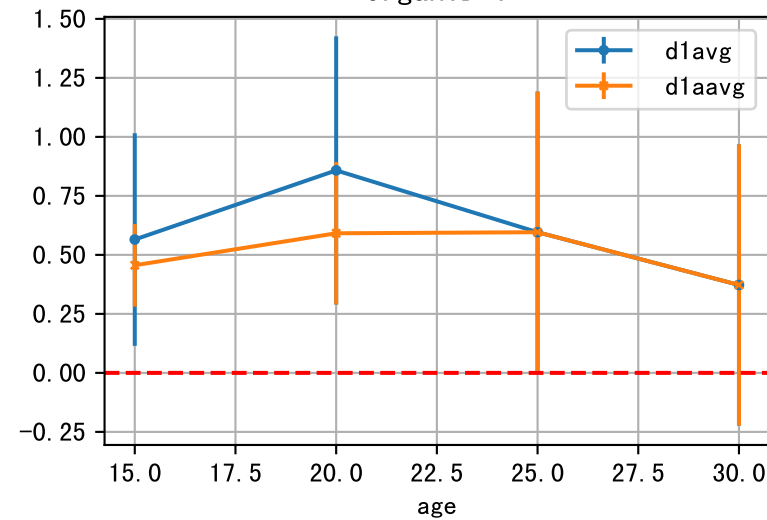


FrV: model Est vs obsFrV at Q90

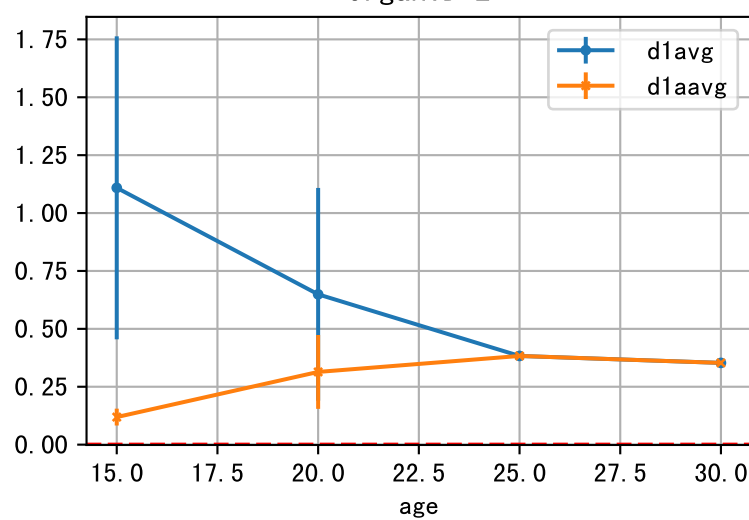




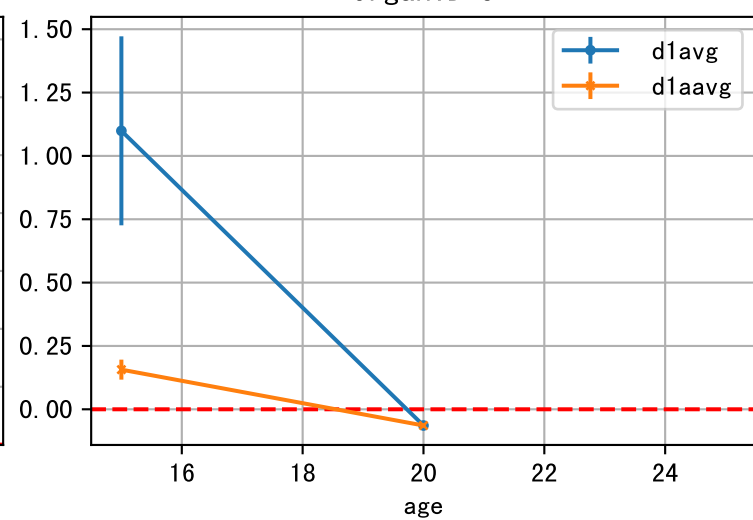
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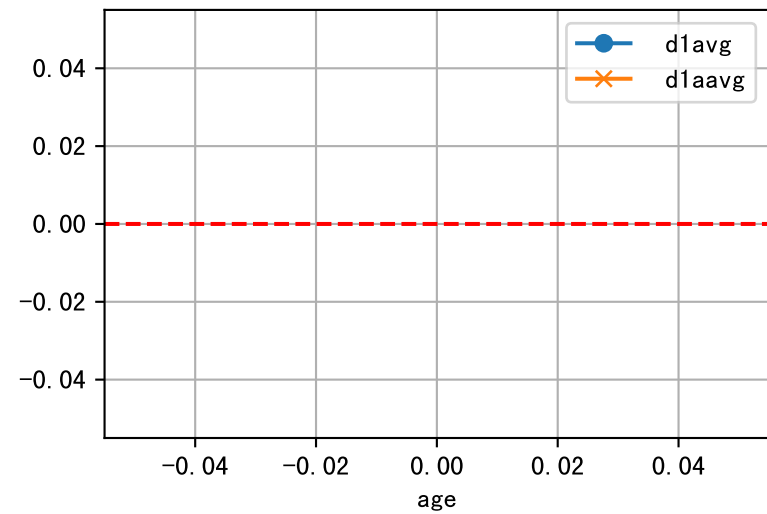
organID=2



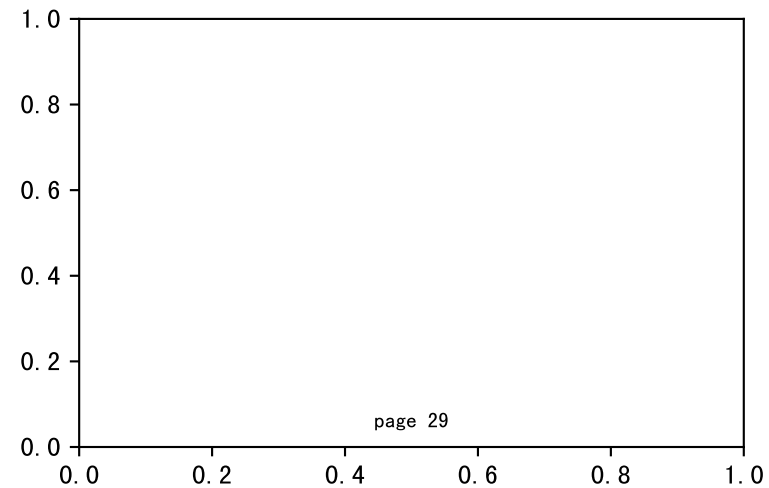
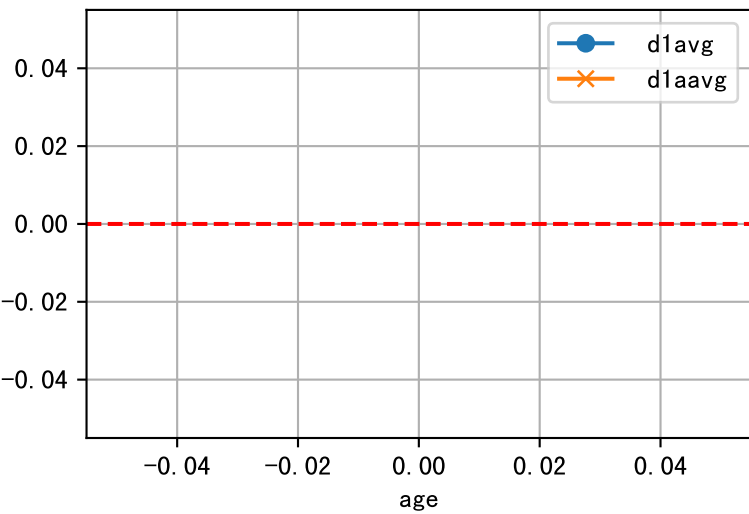
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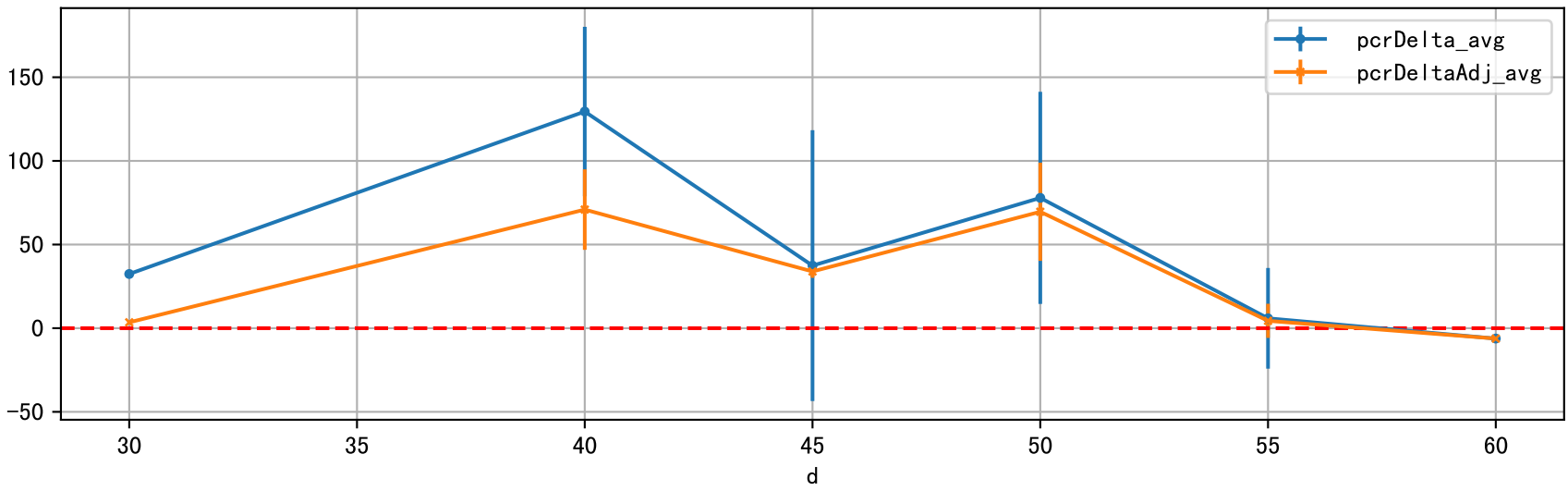
organID=4



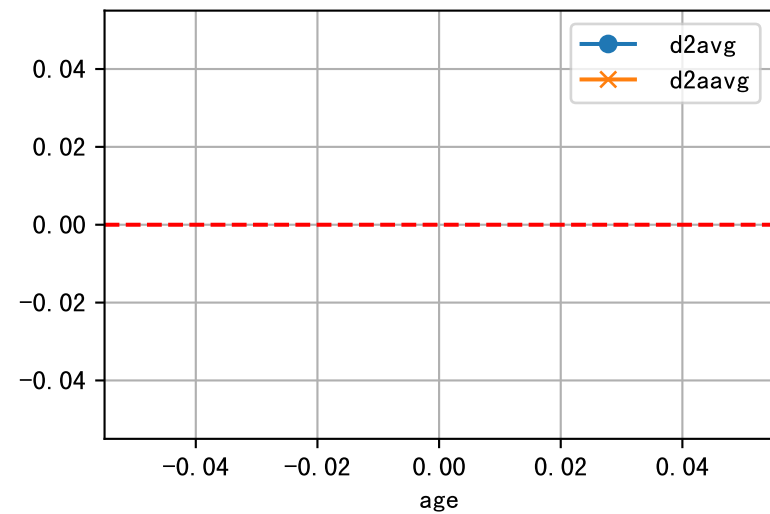
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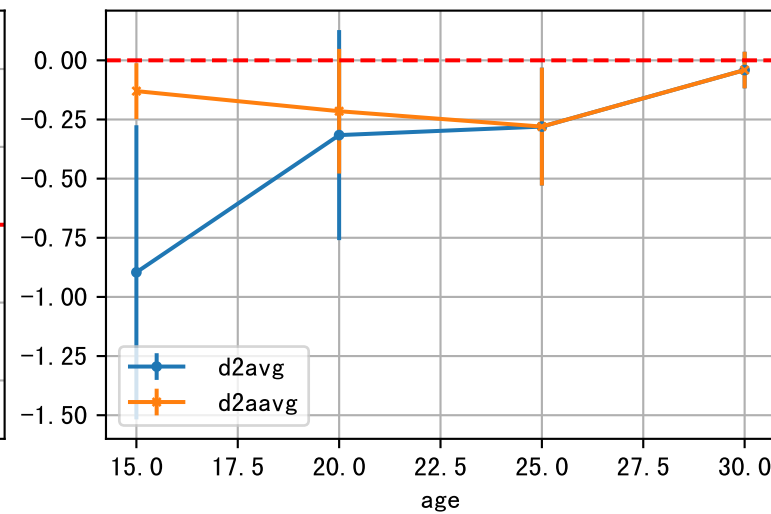
P6AE FrV: D_Fr1_FrV



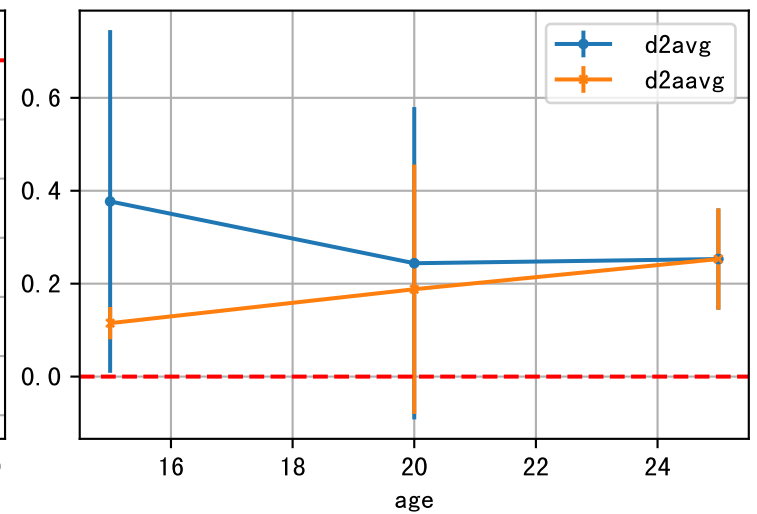
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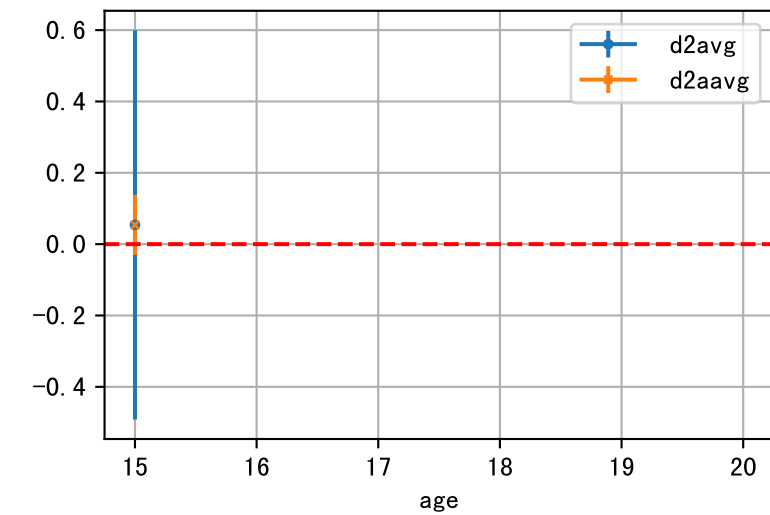
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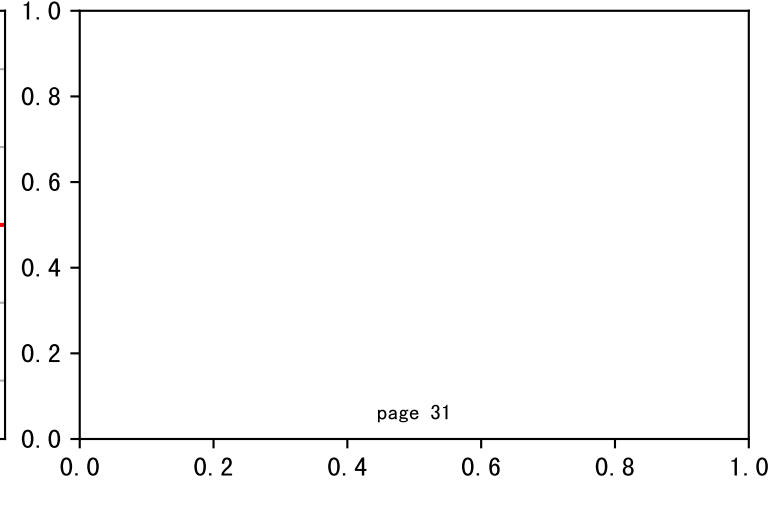
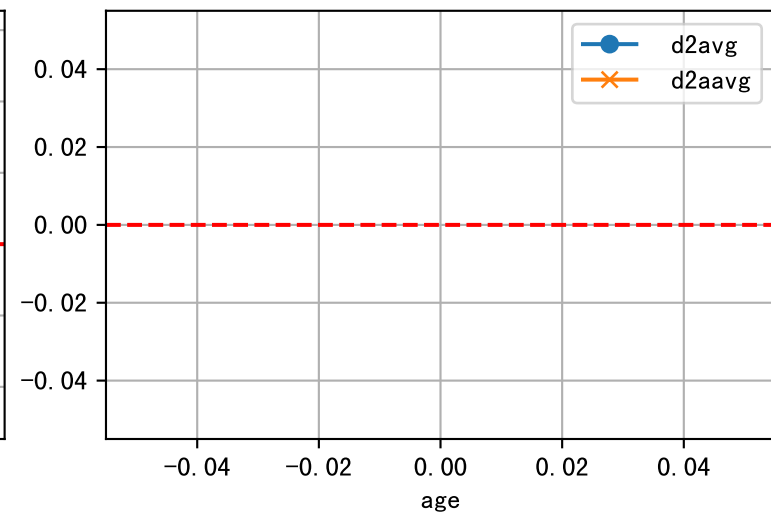
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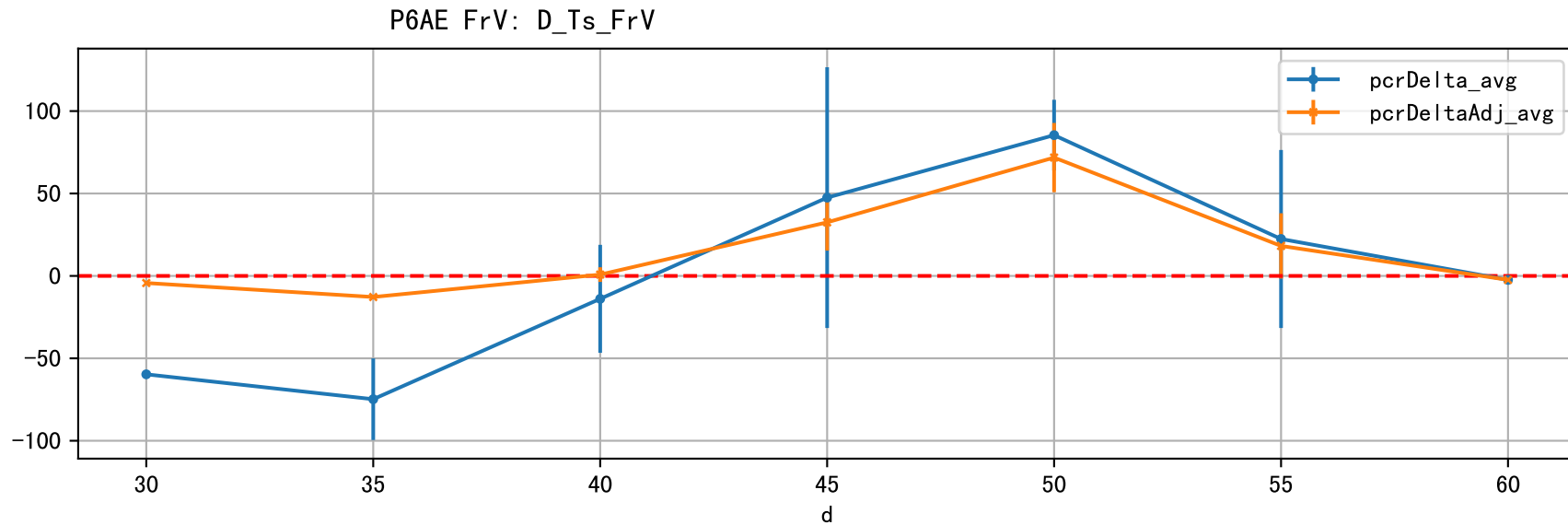


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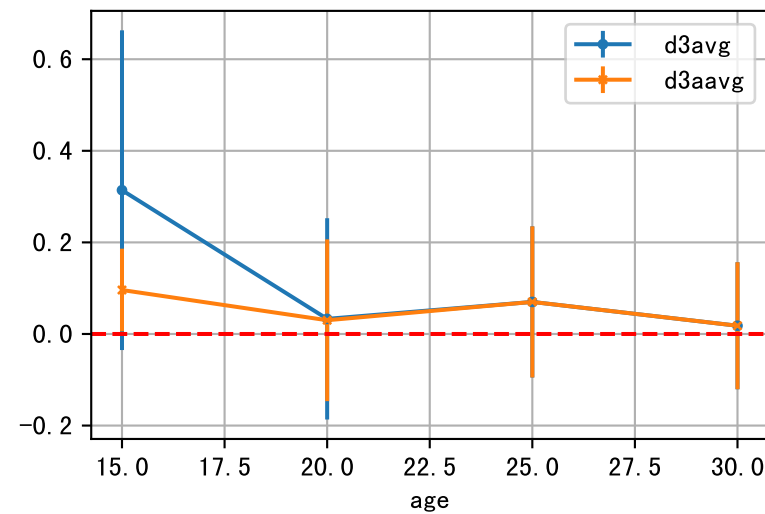
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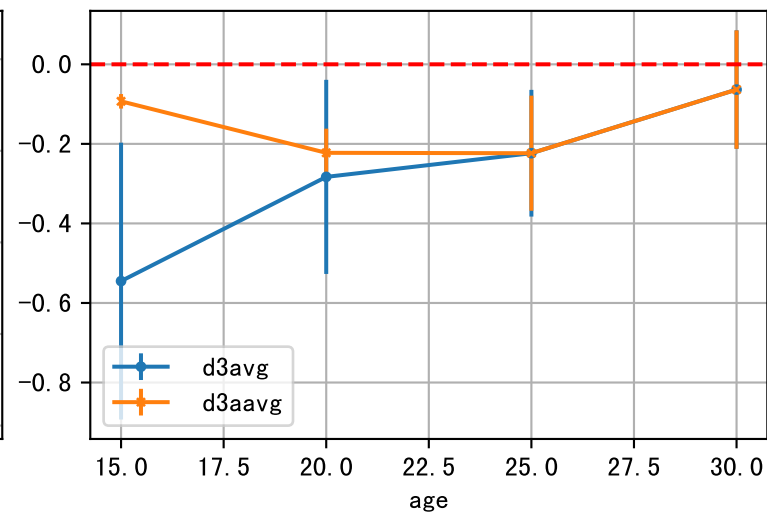


FrV: D_Q50_FrV

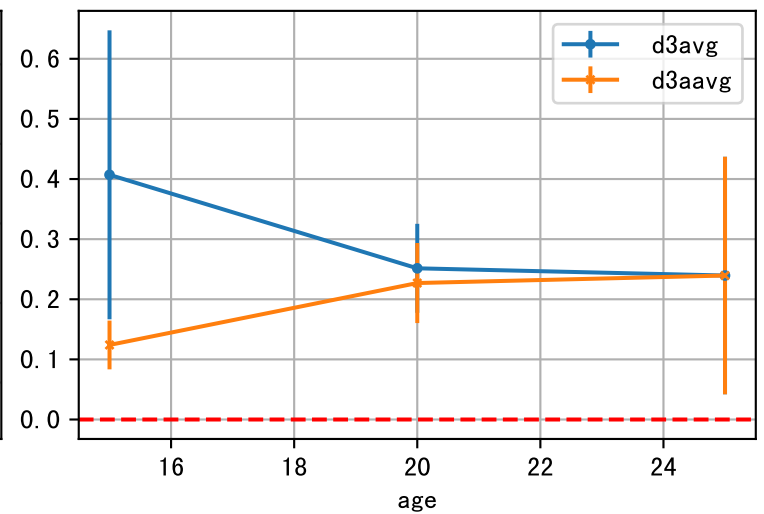
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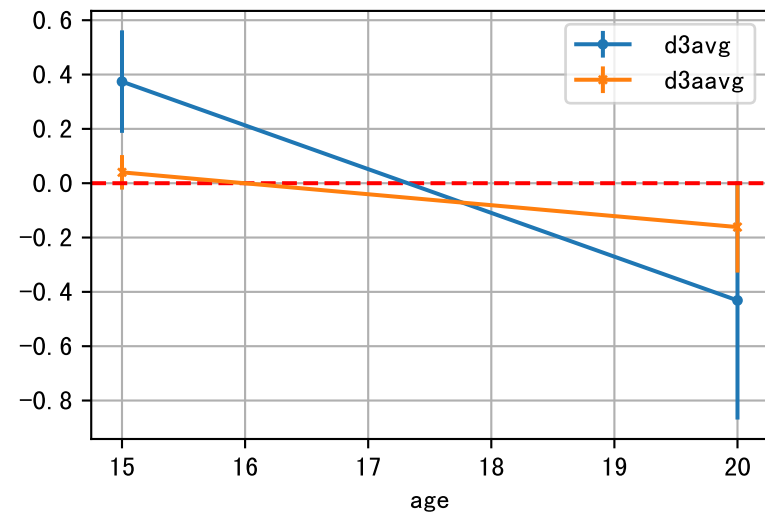
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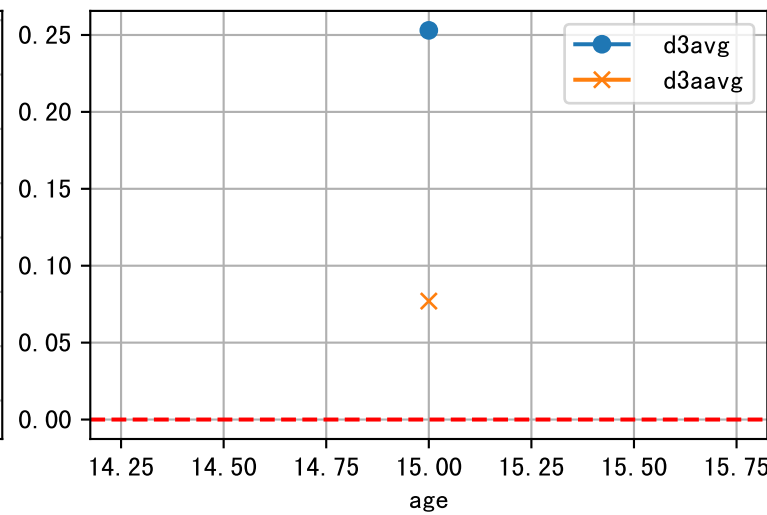
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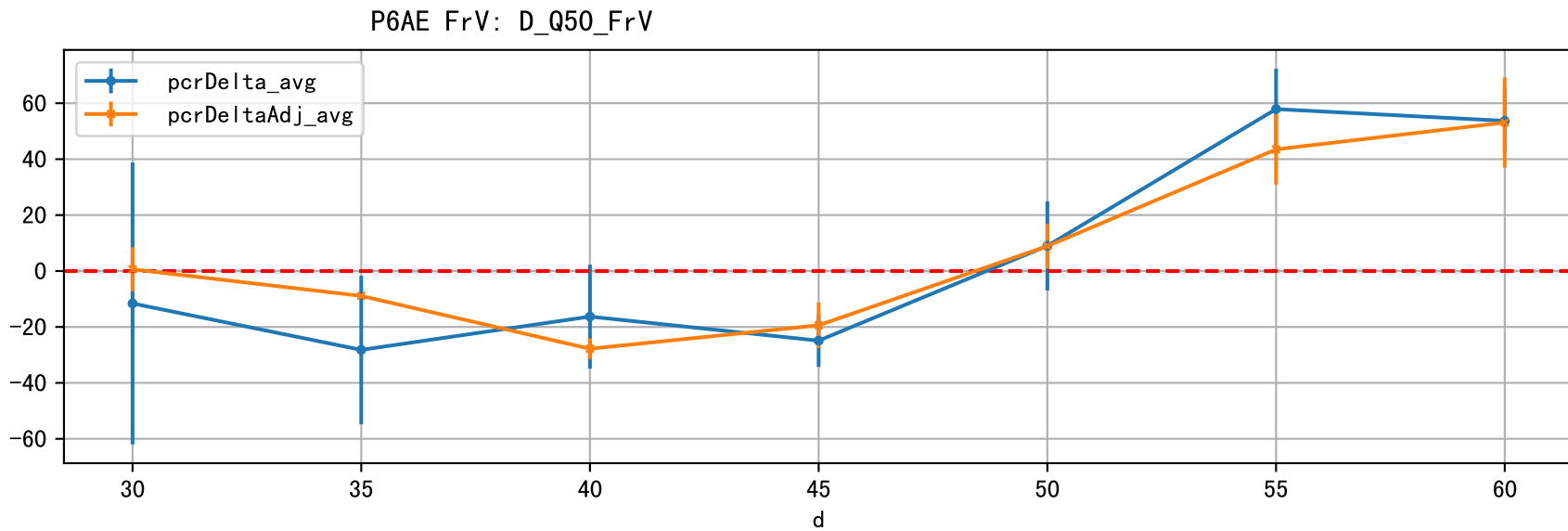


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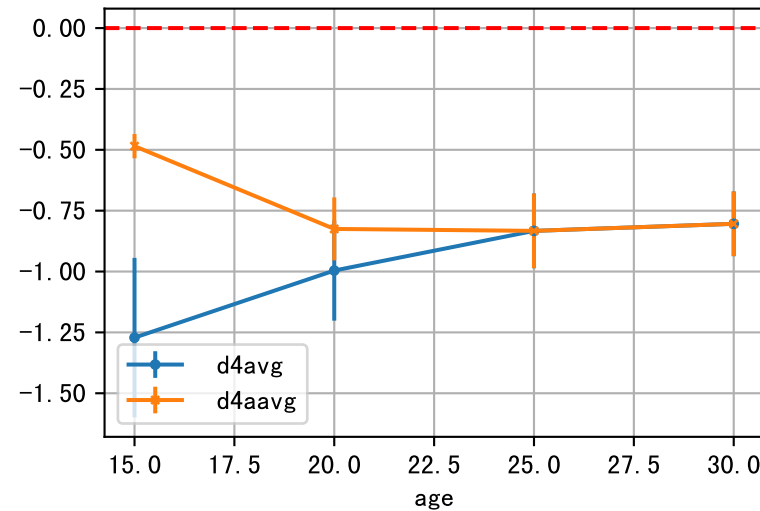
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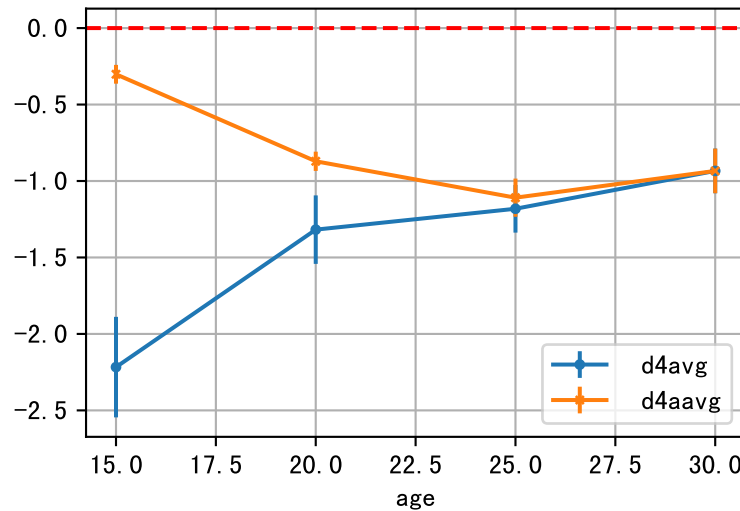


FrV: D_Est_FrV

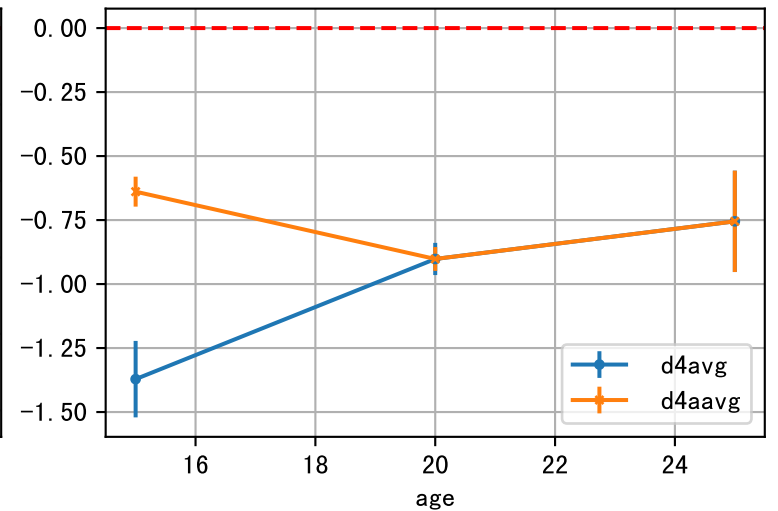
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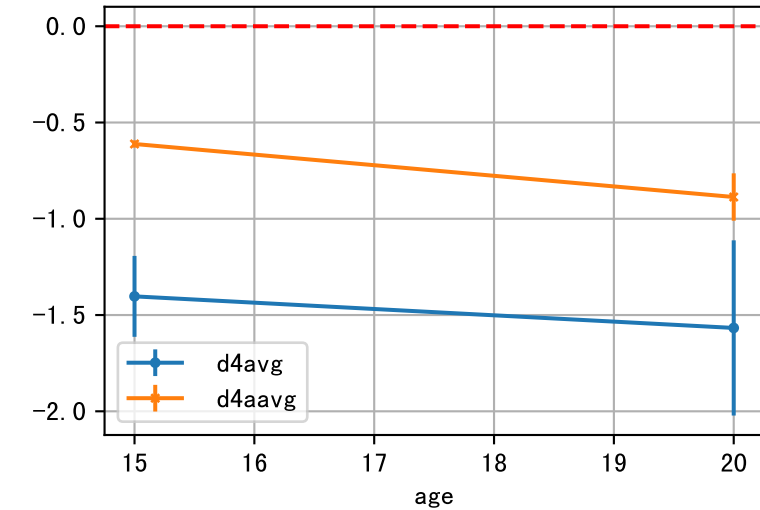
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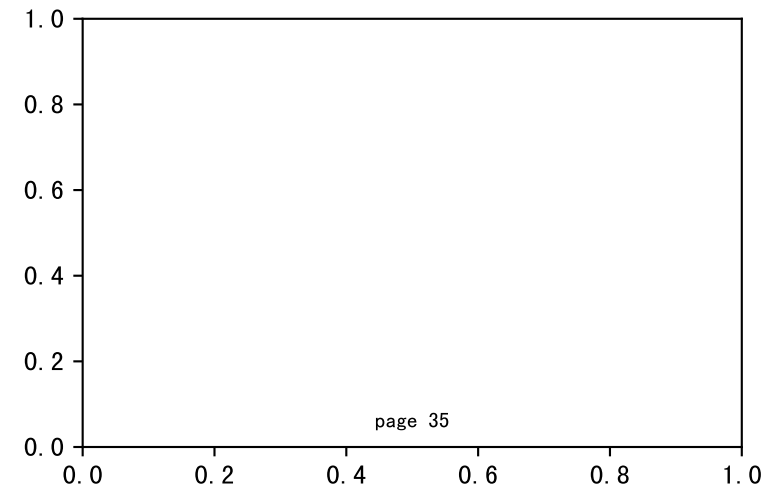
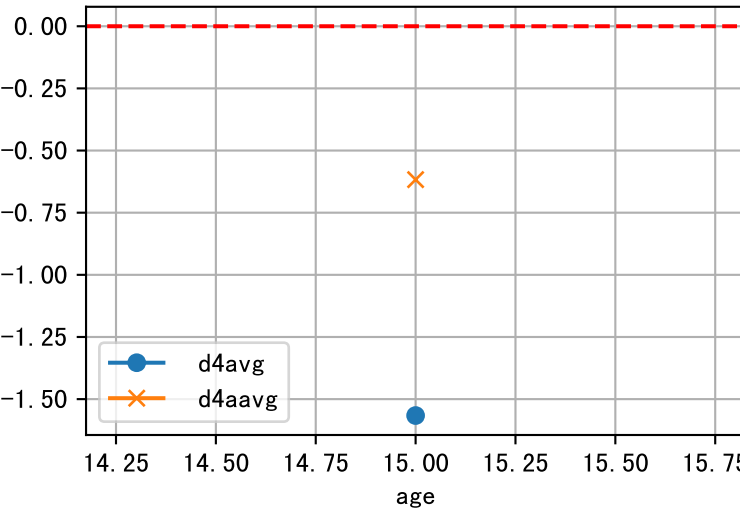
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organID=4



organID=5



P6AE FrV: D_Est_FrV

