

Phenotype Data Analysis Plots

PhenoData day range = 10 – 62

Analysis cutoff day = 62

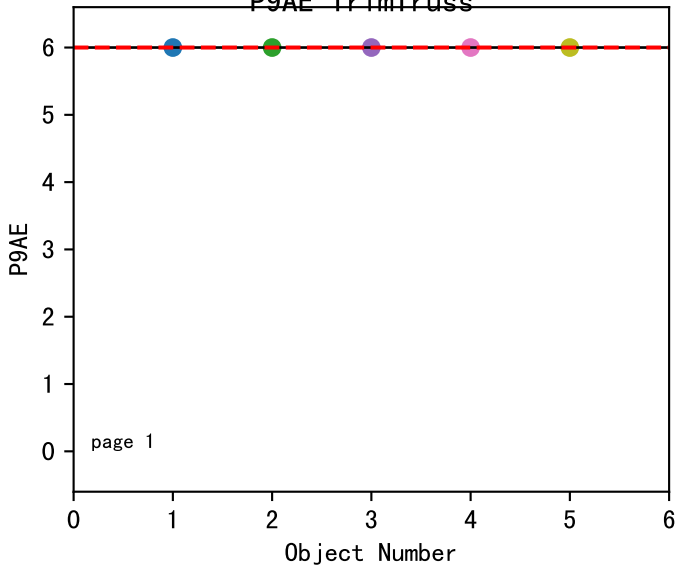
NC11 P9

2025-06-02 (Day 63)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

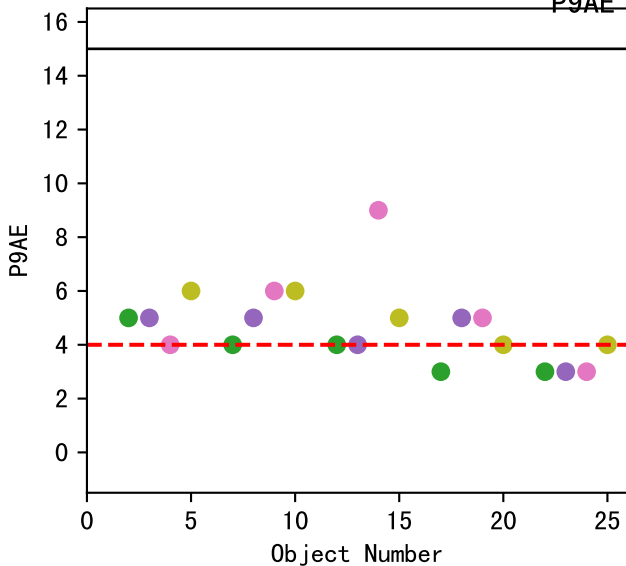
P9AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

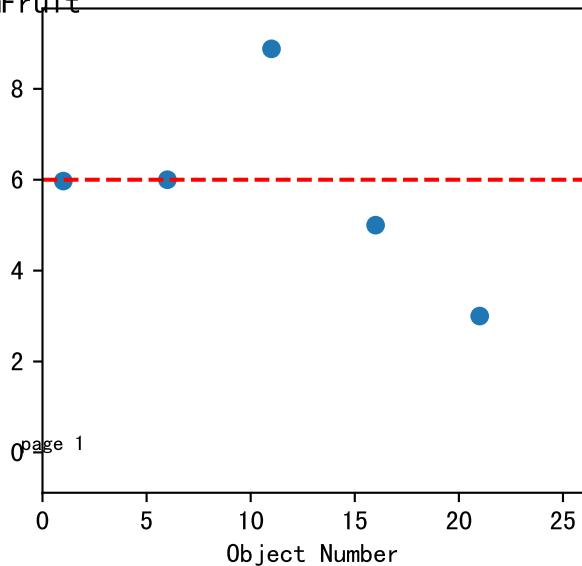
avg1=4.0~25% avg2=na

P9AE TrimFruit

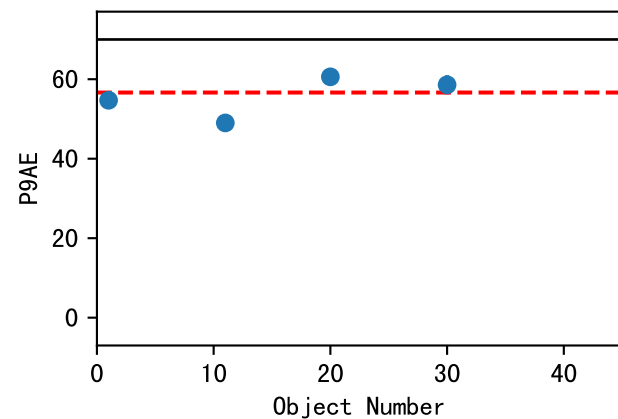


FruitNumMaxPerTruss (Def=na Set=6)

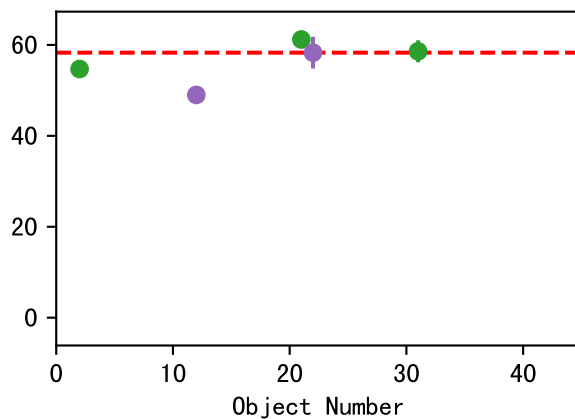
avg1=6.0~9% avg2=na



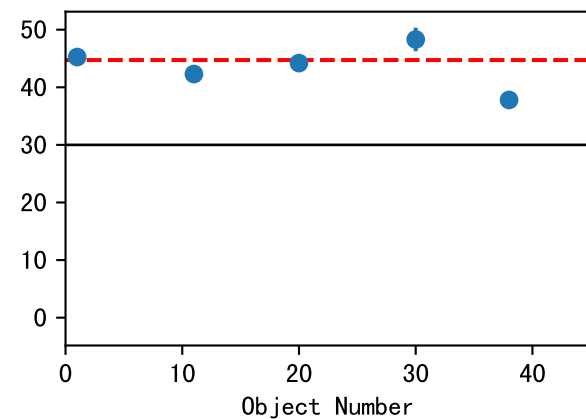
FrD_Q90AbsY (Def=70 Set=56.65)
avg1=56.65~9% avg2=na



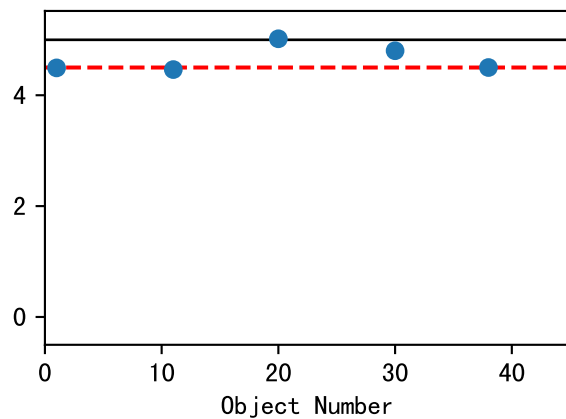
FrD_avgAbsY (Def=na Set=58.3)
avg1=58.3~8% avg2=na



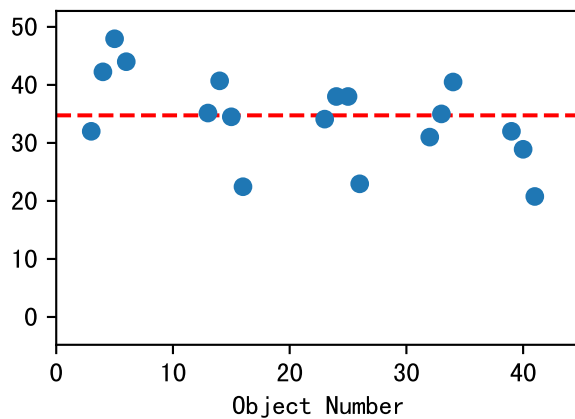
LfW_Q90AbsY (Def=30 Set=44.73)
avg1=44.73~6% avg2=na



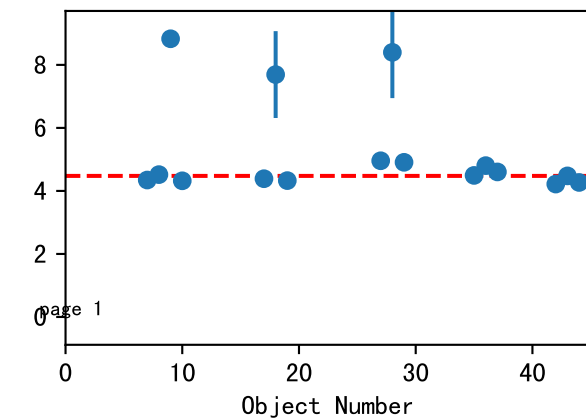
NdL_Q90AbsY (Def=5 Set=4.5)
avg1=4.5~5% avg2=na



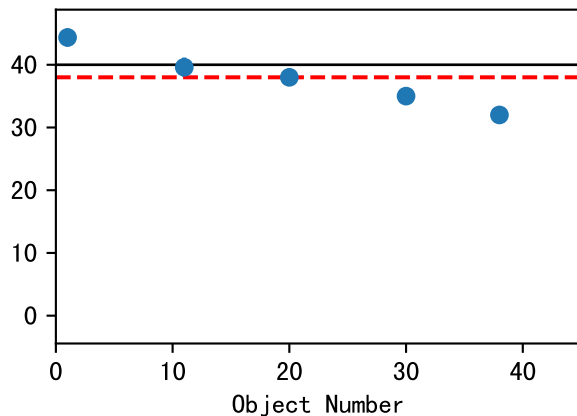
LfL_avgAbsY (Def=na Set=34.75)
avg1=34.75~22% avg2=na



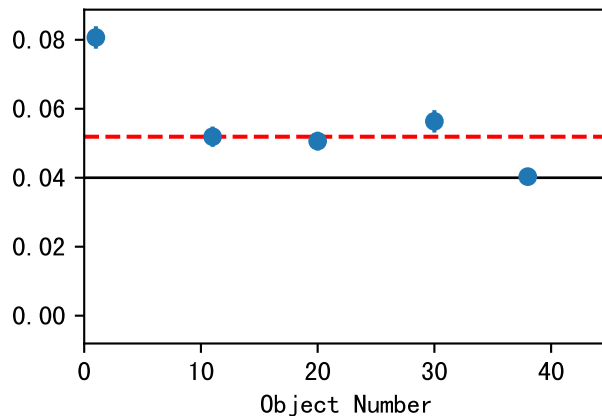
NdL_avgAbsY (Def=na Set=4.48)
avg1=4.48~5% avg2=na



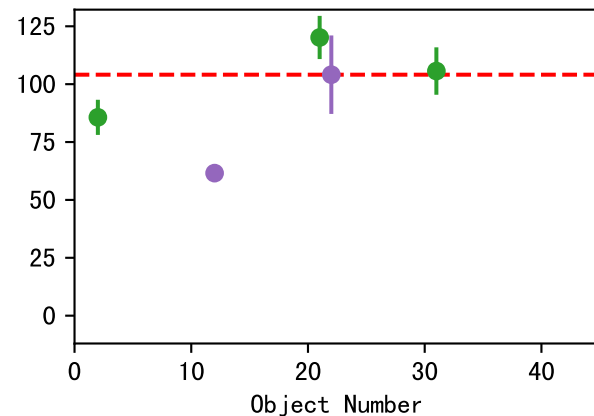
LfL_Q90AbsY (Def=40 Set=38.0)
avg1=38.0~12% avg2=na



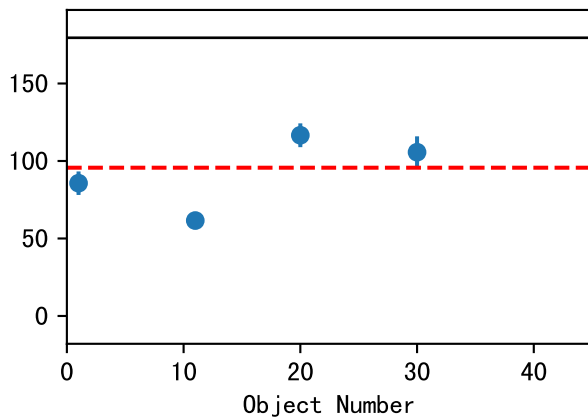
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.05~6% avg2=na



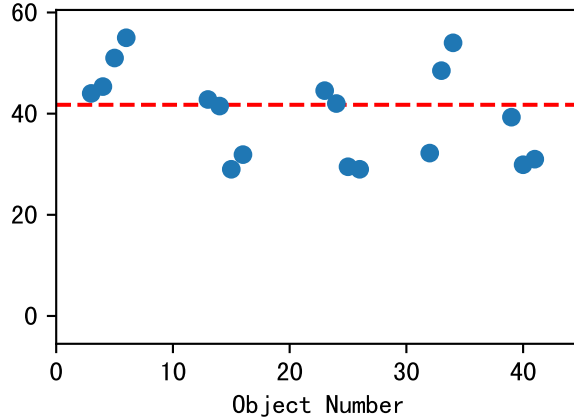
FrV_avgAbsY (Def=na Set=104.09)
avg1=104.09~22% avg2=na



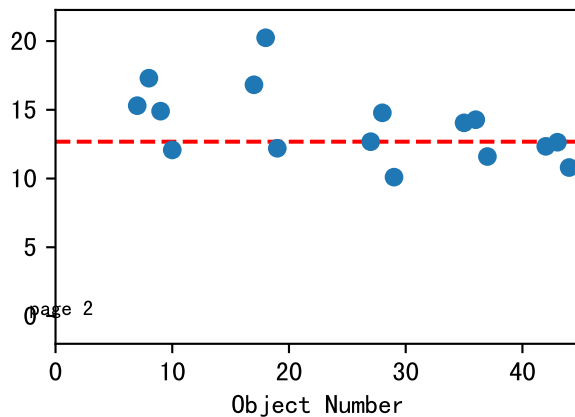
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=95.67~25% avg2=na



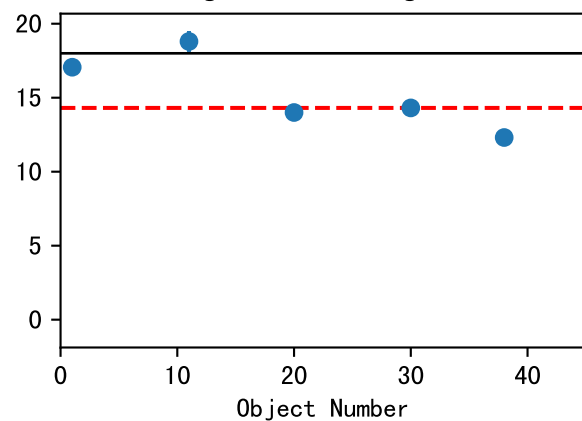
LfW_avgAbsY (Def=na Set=41.75)
avg1=41.75~21% avg2=na



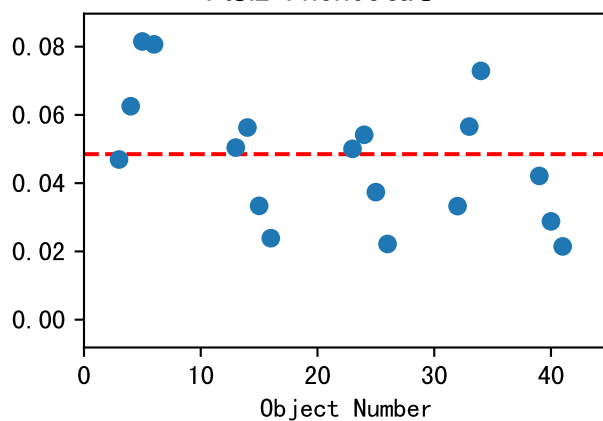
NdD_avgAbsY (Def=na Set=12.68)
avg1=12.68~17% avg2=na



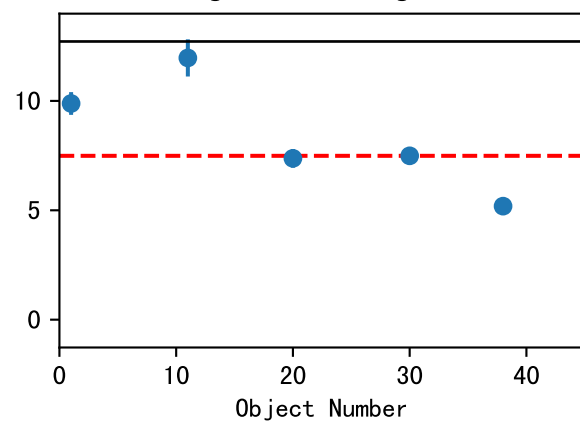
NdD_Q90AbsY (Def=18 Set=14.31)
avg1=14.31~18% avg2=na



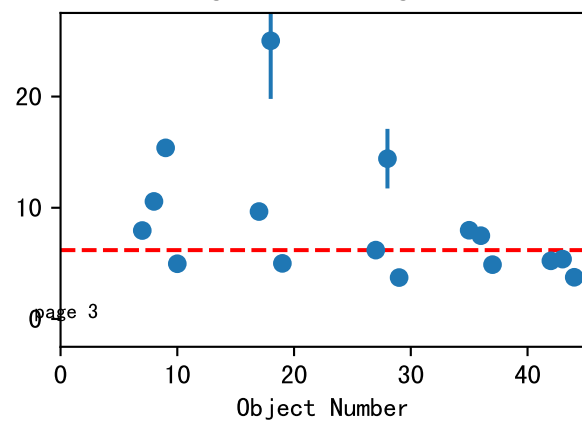
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~39% avg2=na



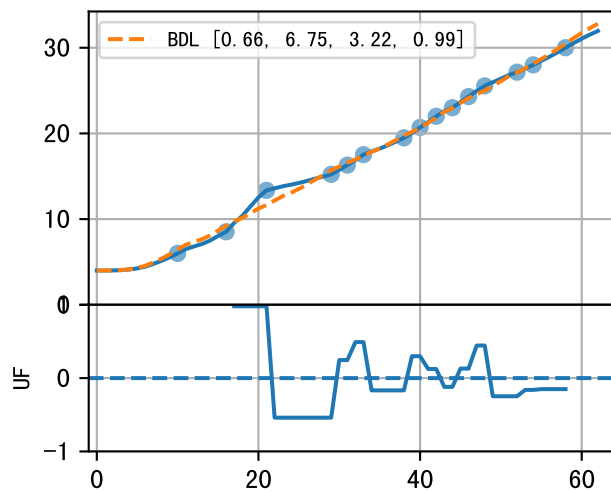
NdV_Q90AbsY (Def=12.72 Set=7.49)
avg1=7.49~35% avg2=na



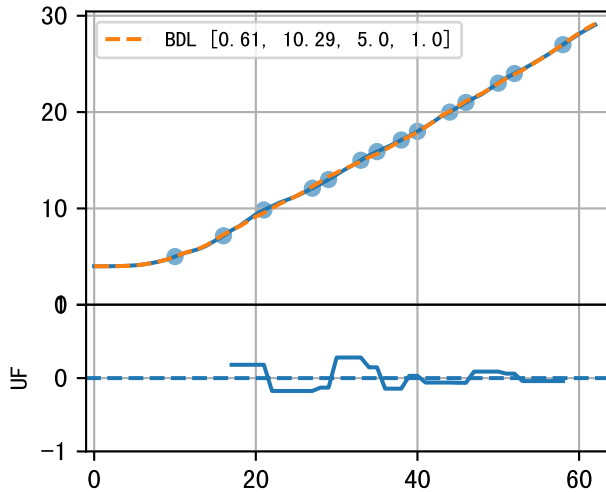
NdV_avgAbsY (Def=na Set=6.19)
avg1=6.19~59% avg2=na



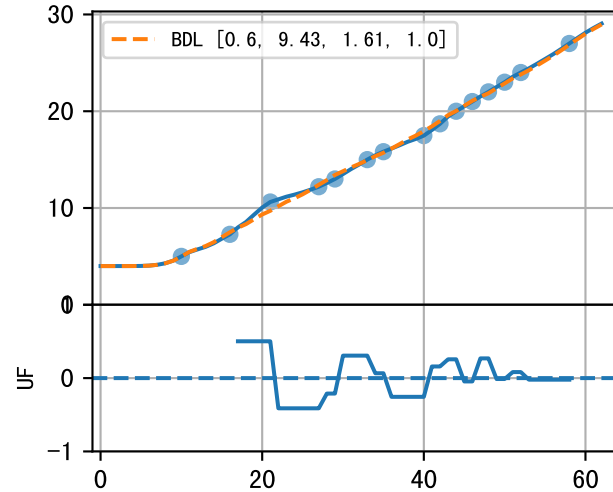
P9AE-065-3 (fit failed)



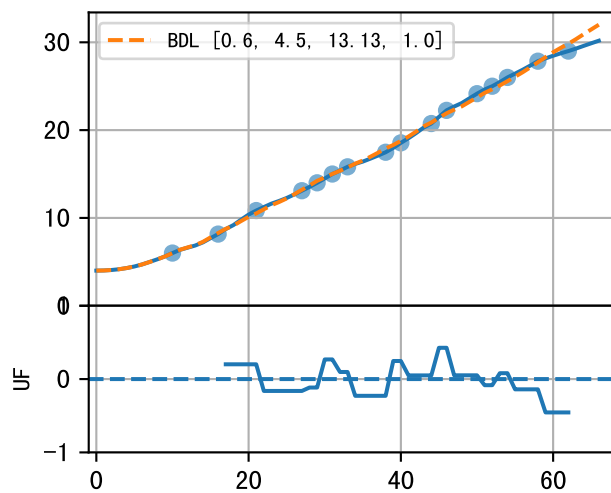
P9AE-077-12 (fit failed)



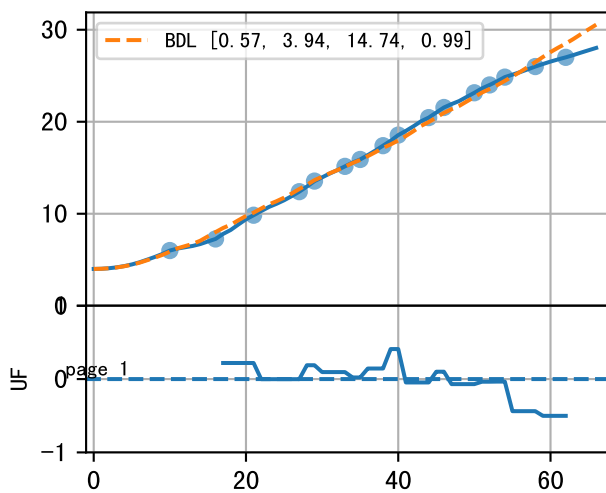
P9AE-089-25 (fit failed)



P9AE-100-19 (fit failed)



P9AE-111-7 (fit failed)



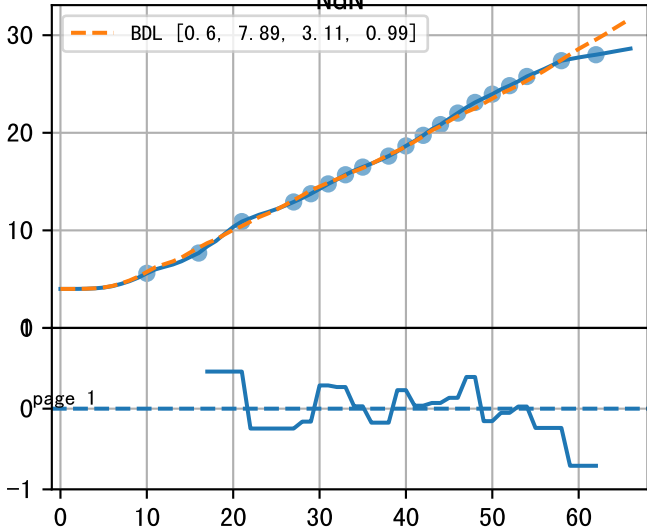
P9AEavg (fit failed)

NdN

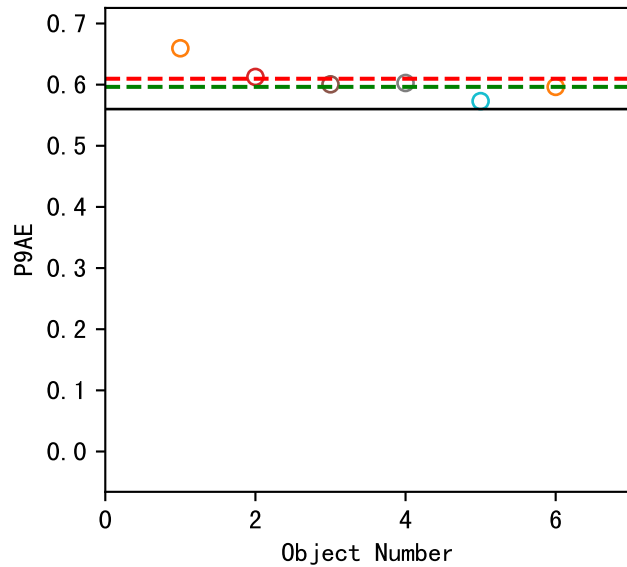
BDL [0.6, 7.89, 3.11, 0.99]

UF

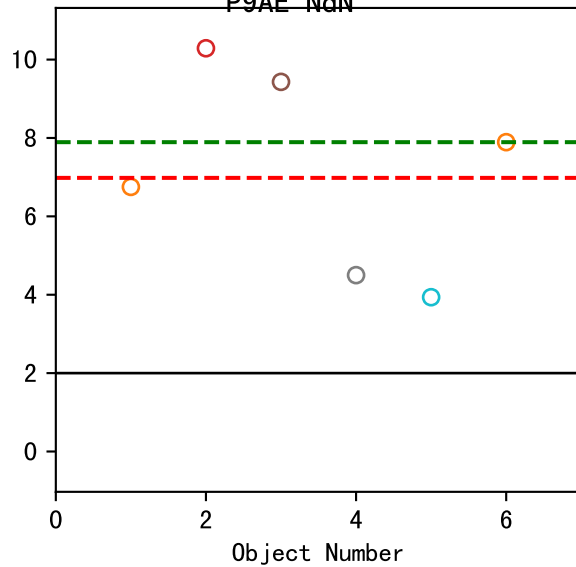
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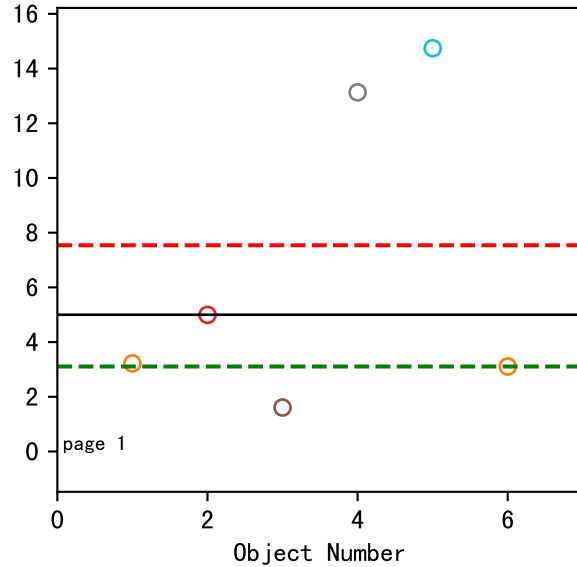
a (Def=0.56 Set=0.6)
avg1=0.61(fail) avg2=0.6



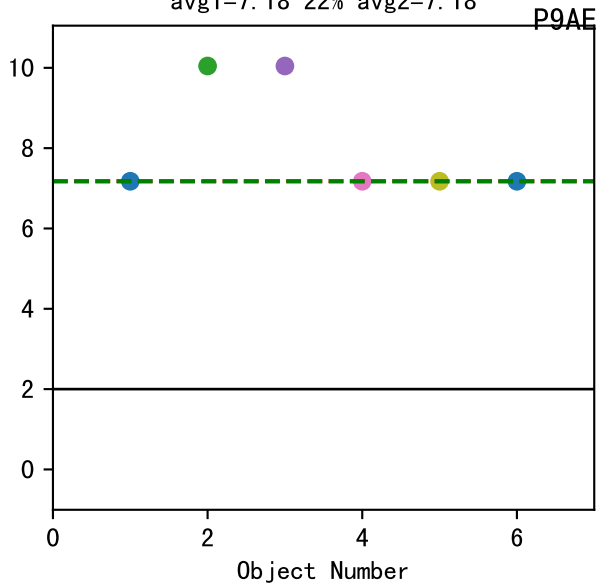
dm (Def=2 Set=7.89)
avg1=6.98(fail) avg2=7.89



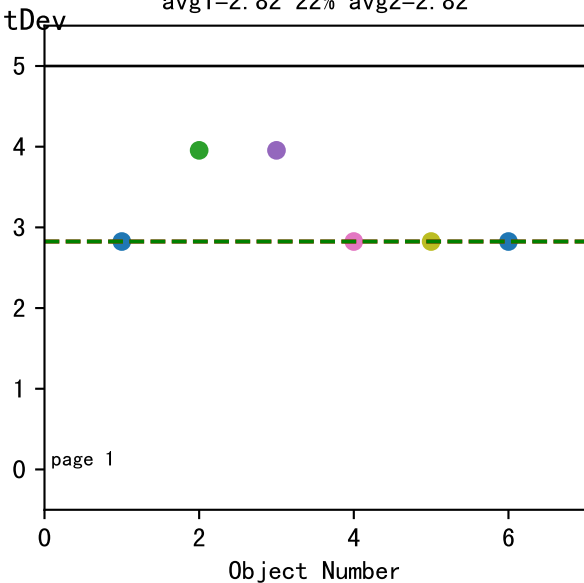
de (Def=5 Set=3.11)
avg1=7.54(fail) avg2=3.11



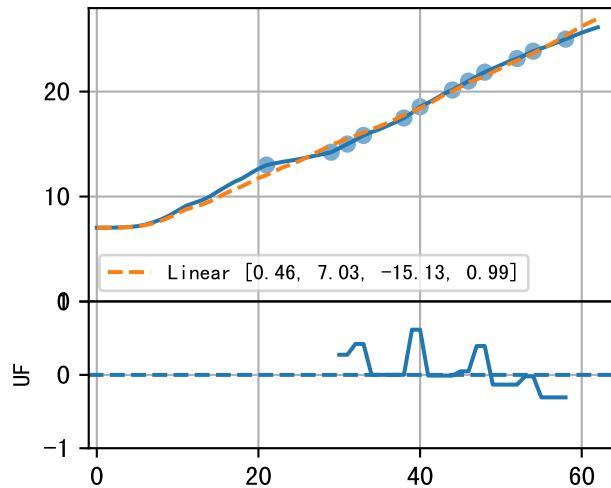
InitDev_dm (Def=2 Set=7.18)
avg1=7.18~22% avg2=7.18



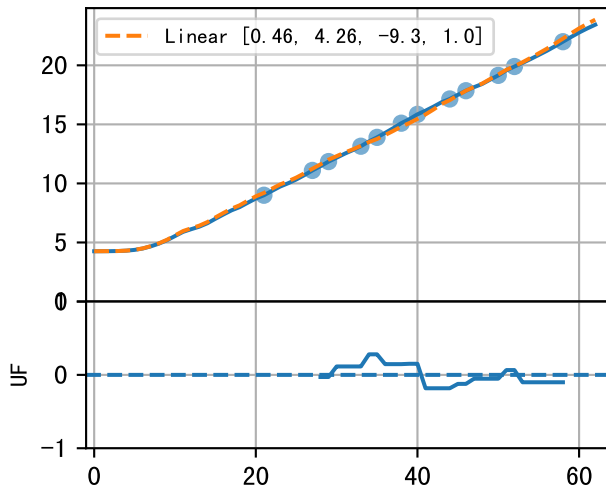
InitDev_de (Def=5 Set=2.82)
avg1=2.82~22% avg2=2.82



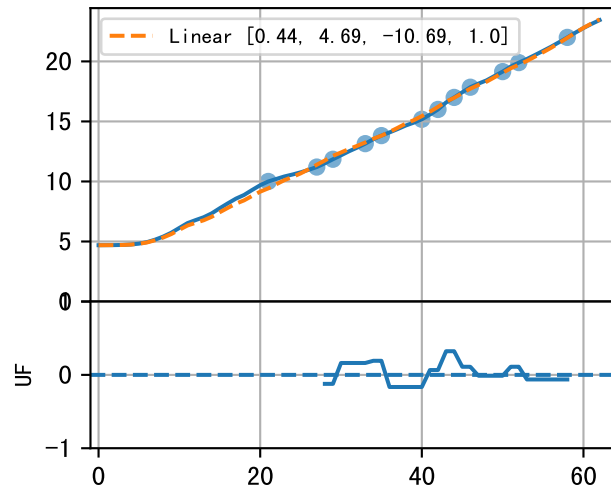
P9AE-065-3



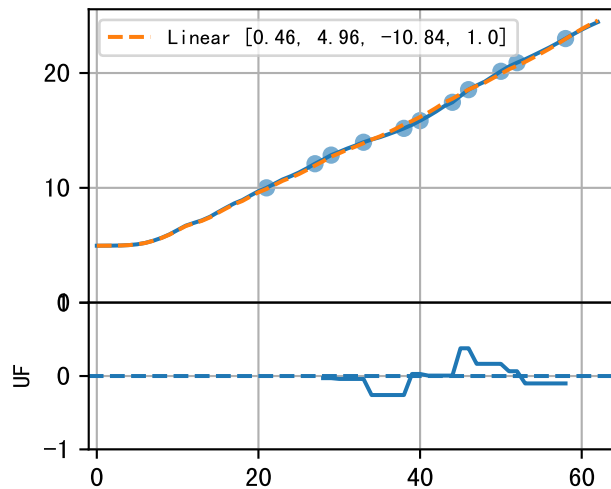
P9AE-077-32



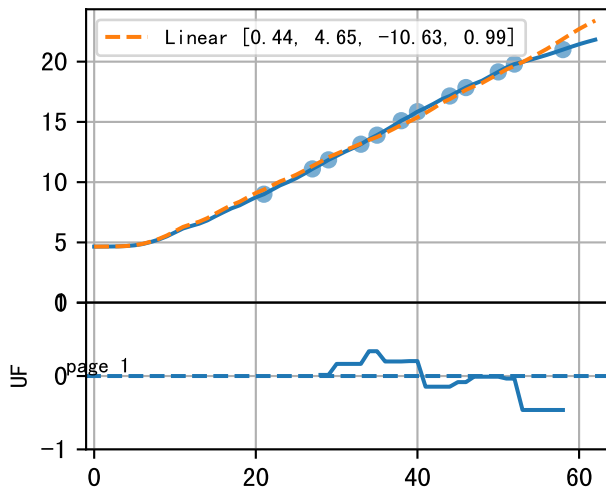
P9AE-089-25



P9AE-100-19



P9AE-111-7

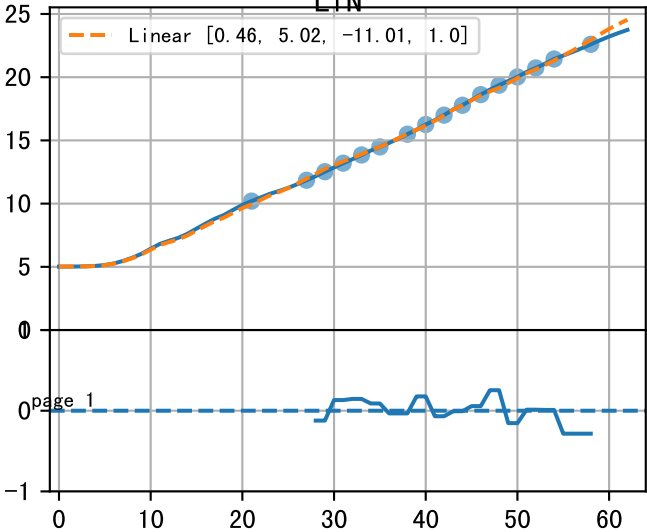


P9AFavg
Lfn

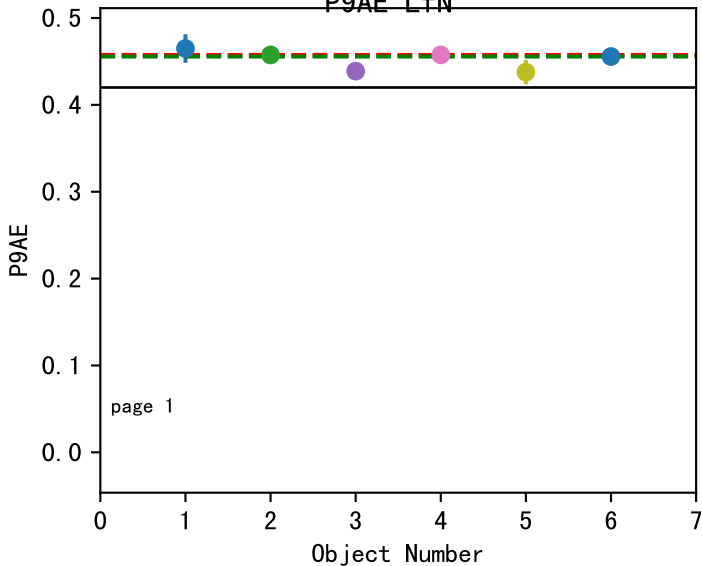
Linear [0.46, 5.02, -11.01, 1.0]

UF

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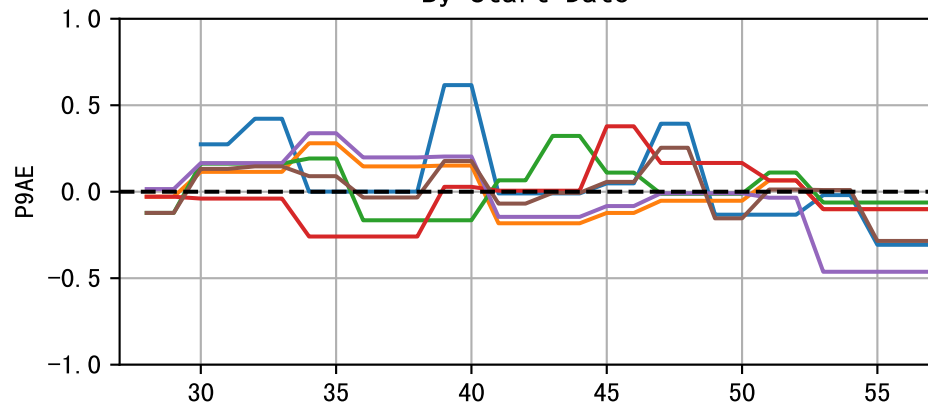


a (Def=0.42 Set=0.46)
avg1=0.46 $\sim$ 3% avg2=0.46 $\sim$ 3%
P9AE LfN

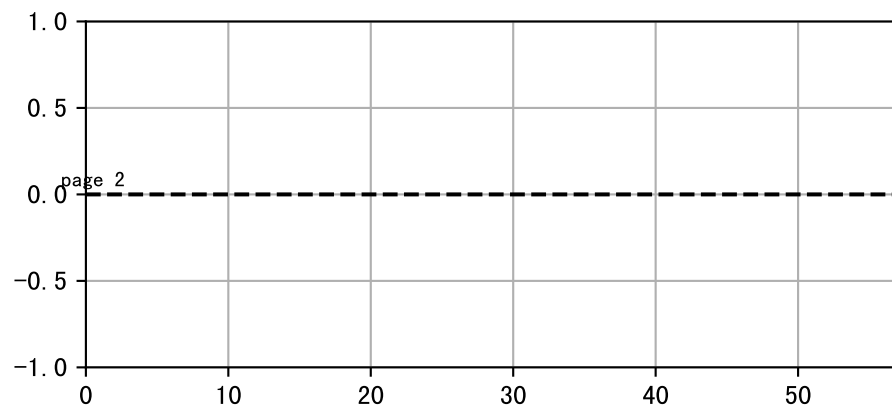
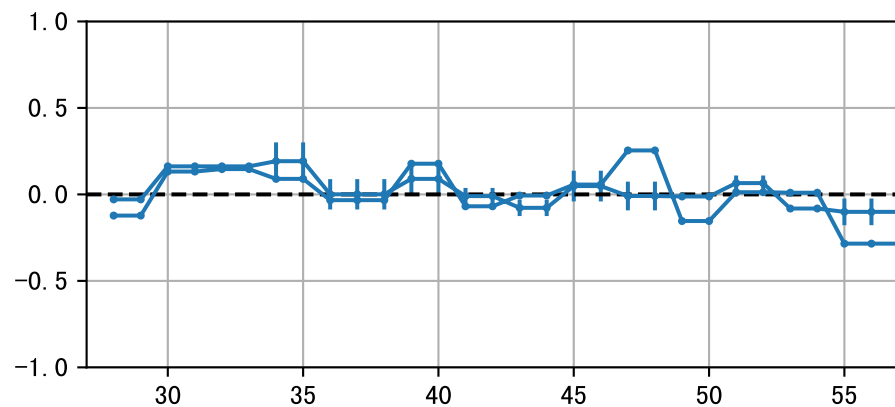
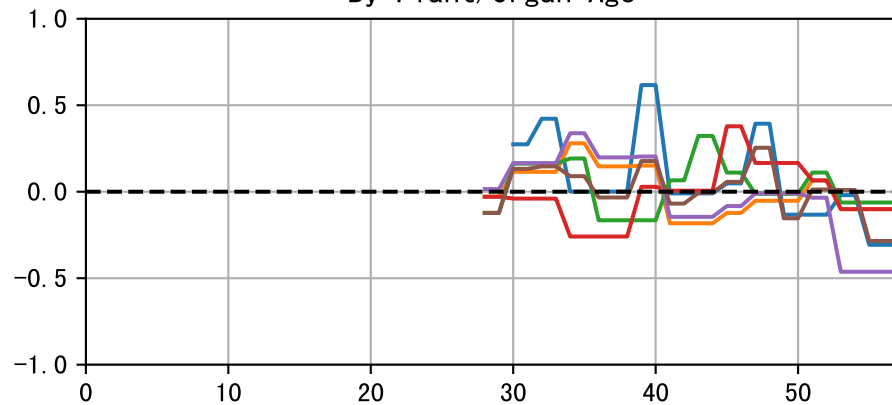


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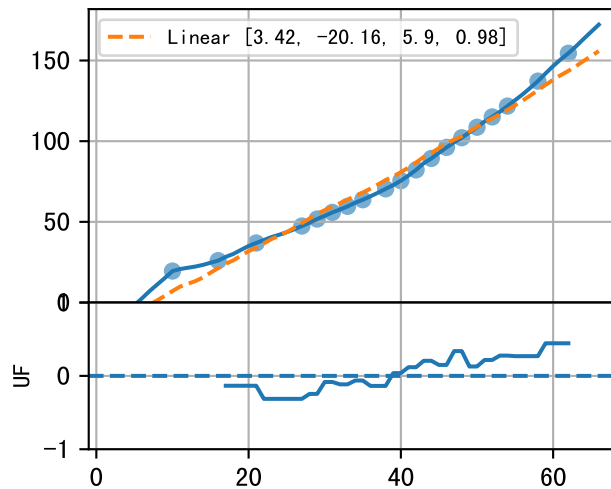
By Start Date



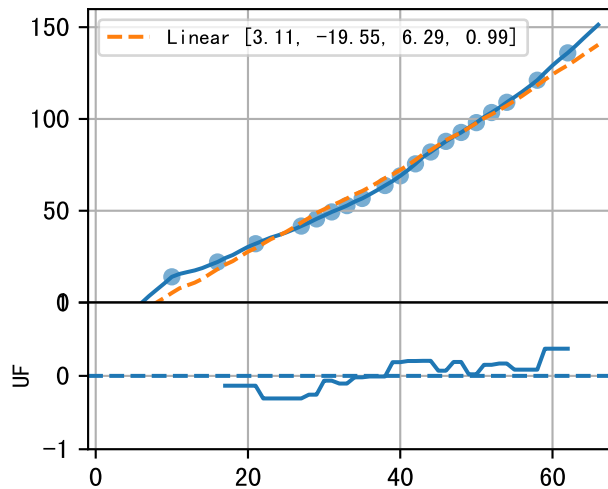
By Plant/Organ Age



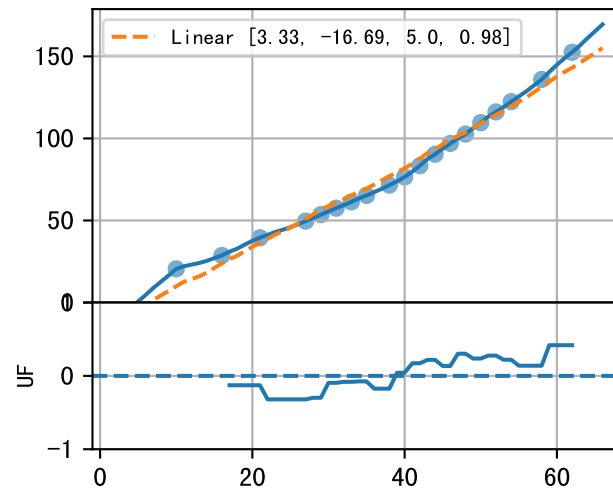
P9AE-065-3



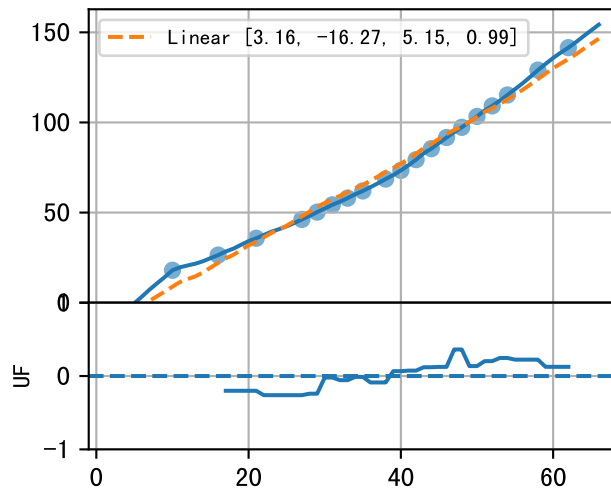
P9AE-077-32



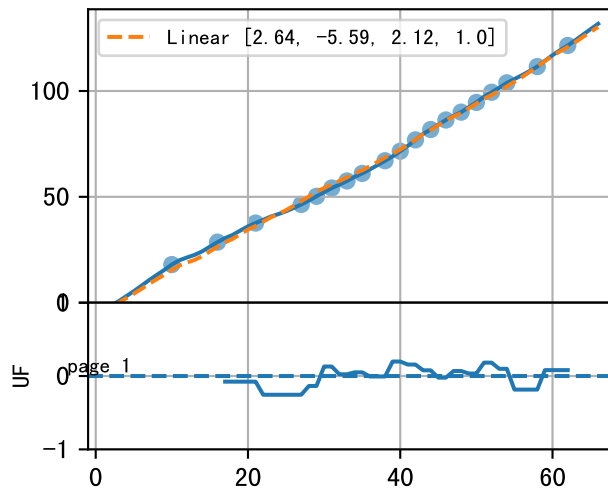
P9AE-089-25



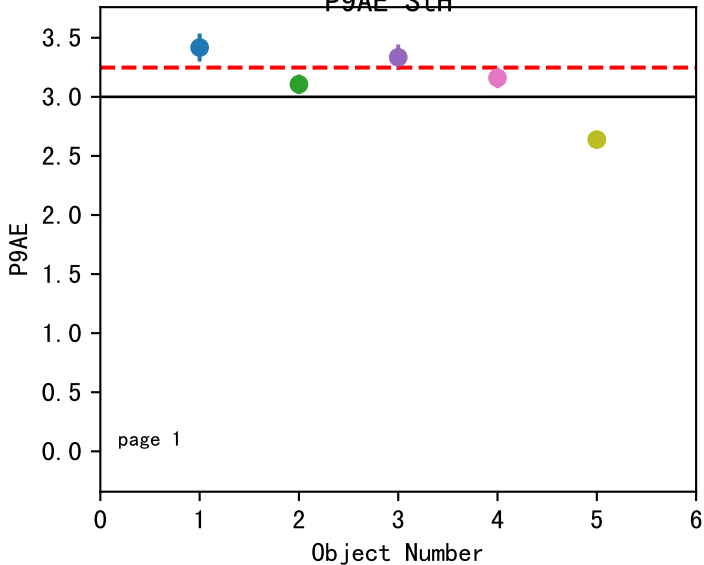
P9AE-100-19



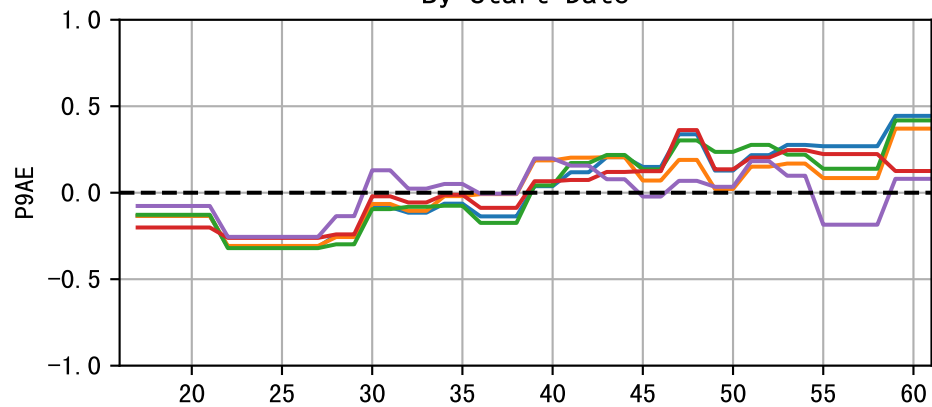
P9AE-111-7



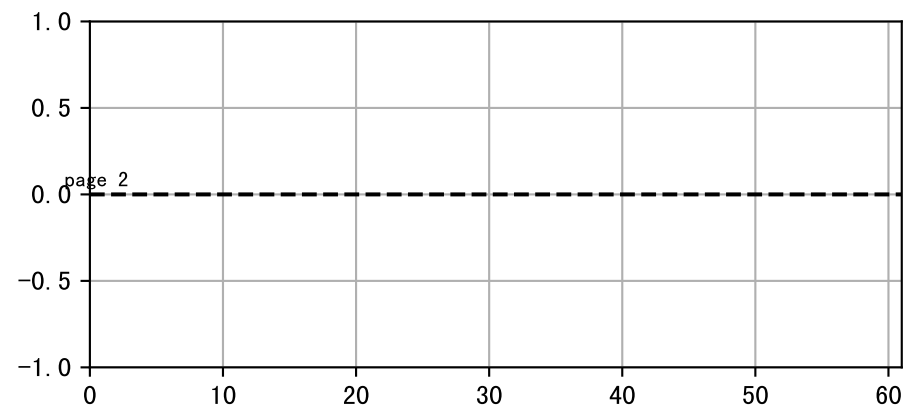
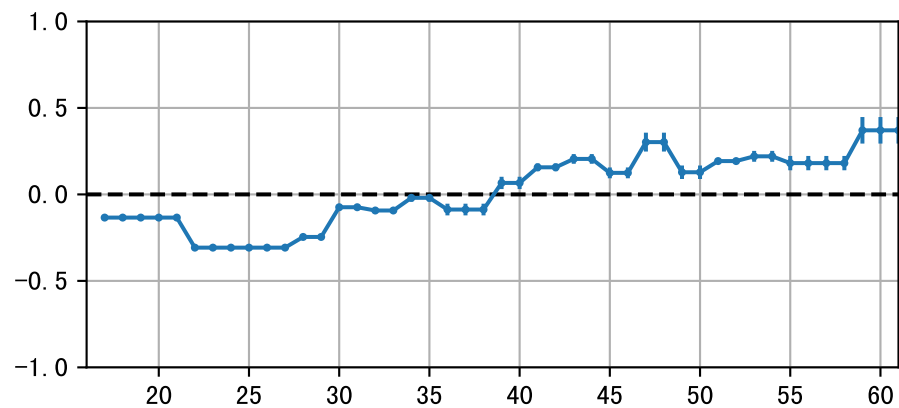
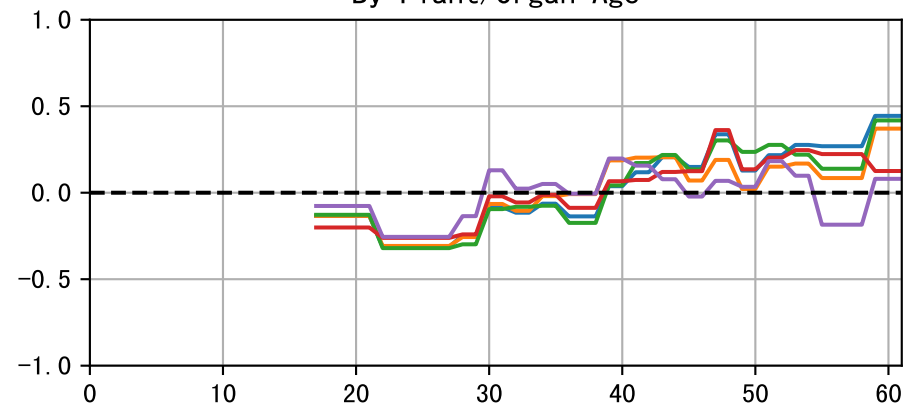
a (Def=3 Set=3.25)
avg1=3.25~4% avg2=na
P9AE StH



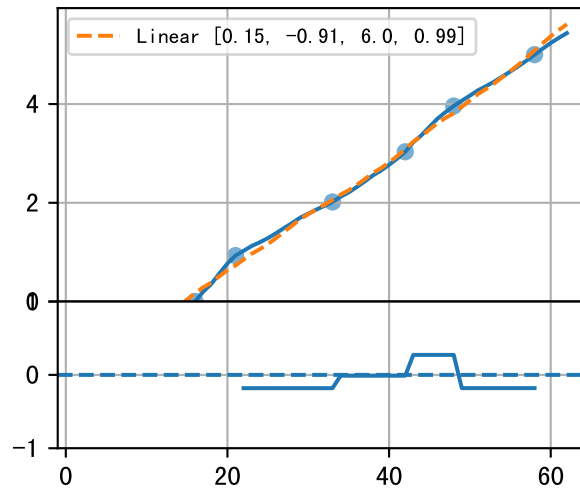
By Start Date



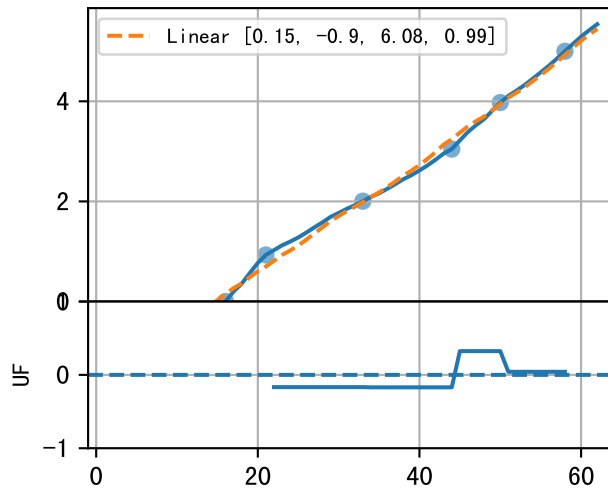
By Plant/Organ Age



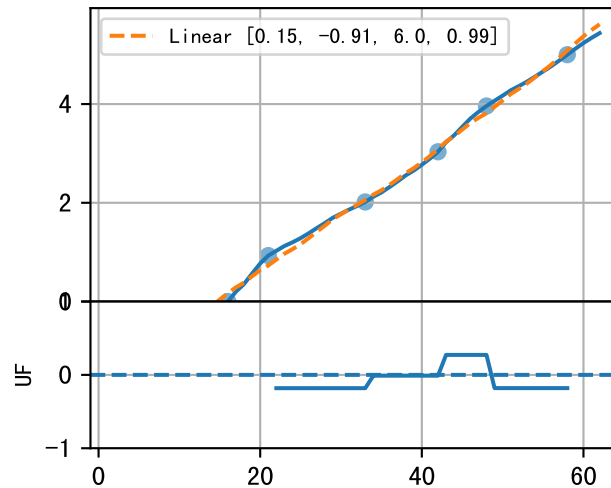
P9AE-065-3



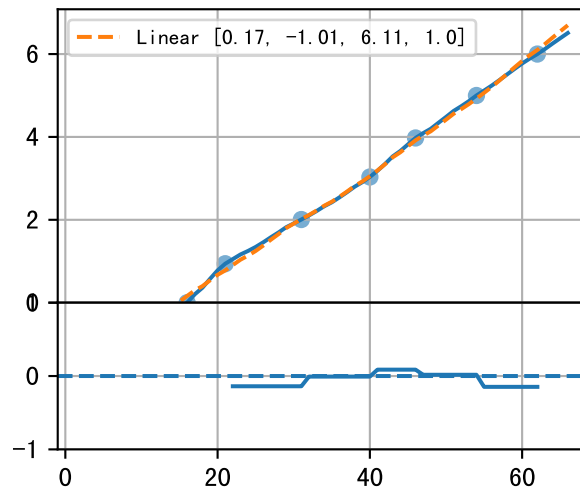
P9AE-077-32



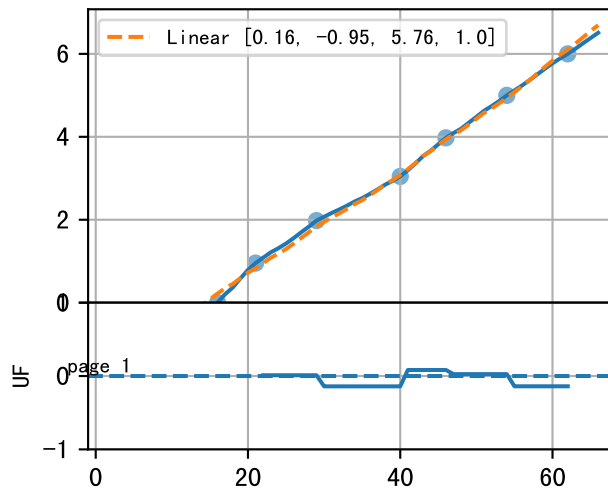
P9AE-089-25



P9AE-100-19



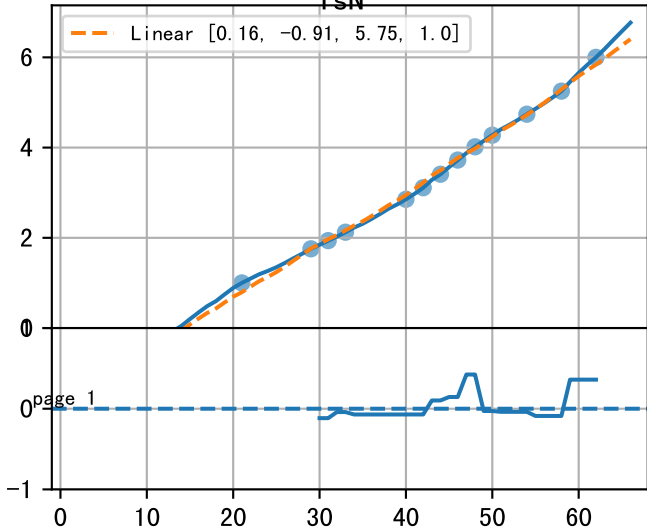
P9AE-111-7



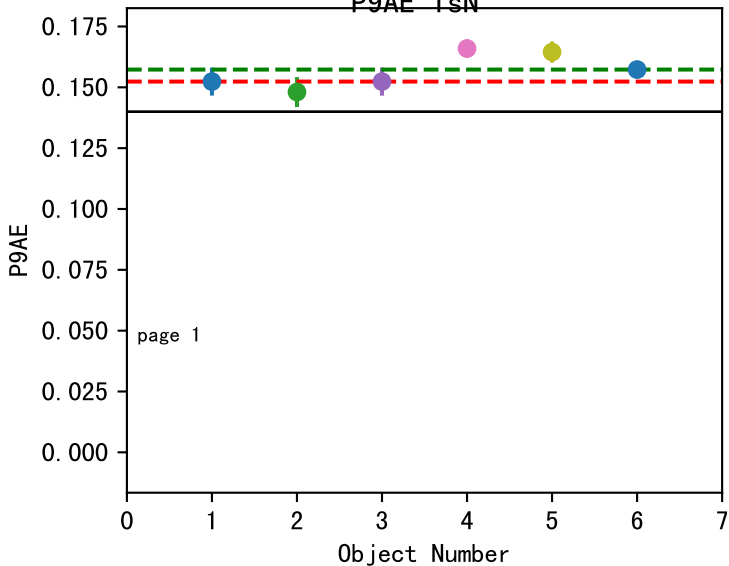
P9AEavg
TsN

Linear [0.16, -0.91, 5.75, 1.0]

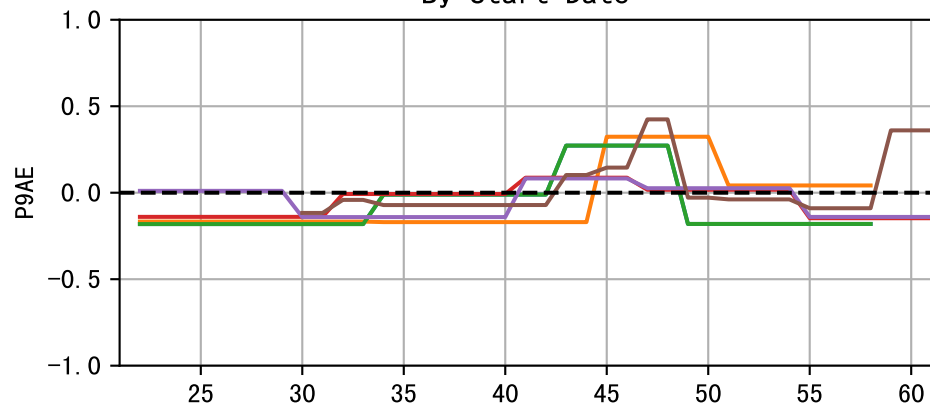
UF
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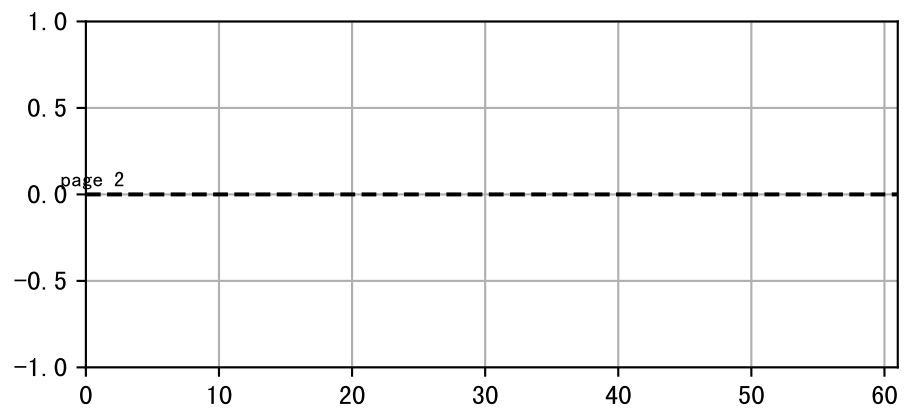
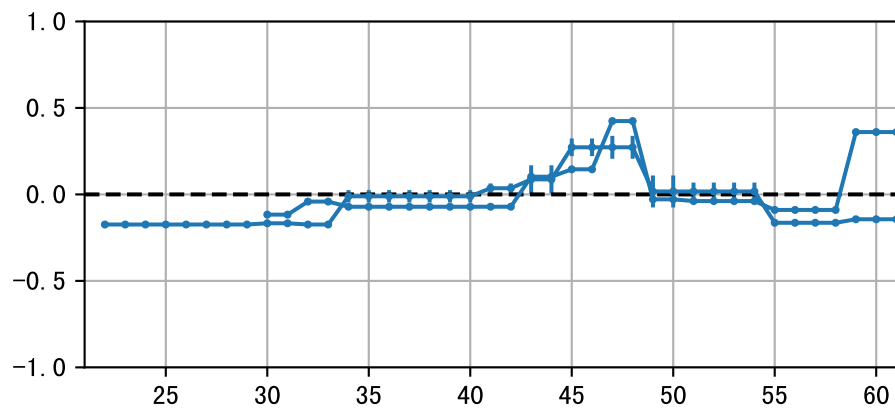
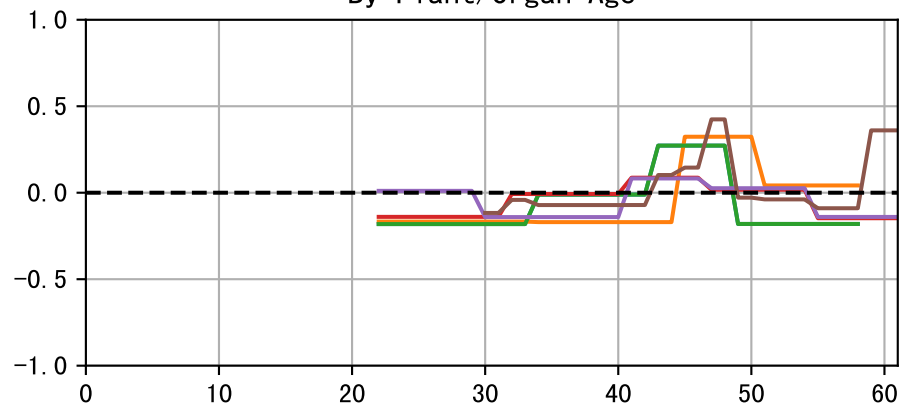
a (Def=0.14 Set=0.16)
avg1=0.15~5% avg2=0.16~4%
P9AE TSN



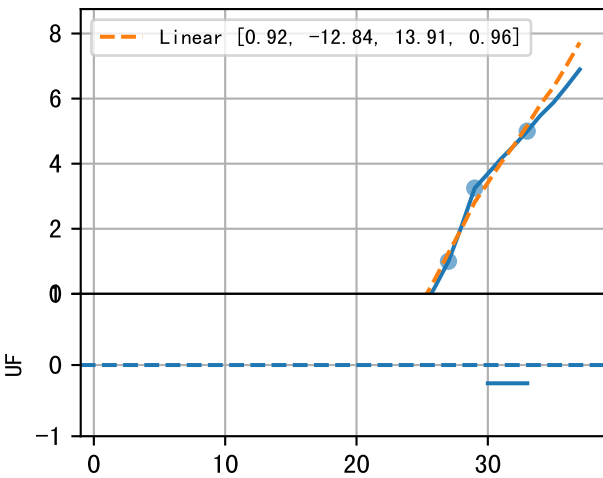
By Start Date



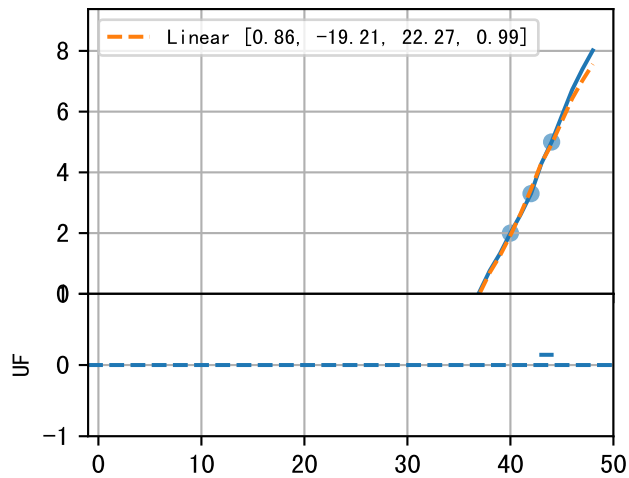
By Plant/Organ Age



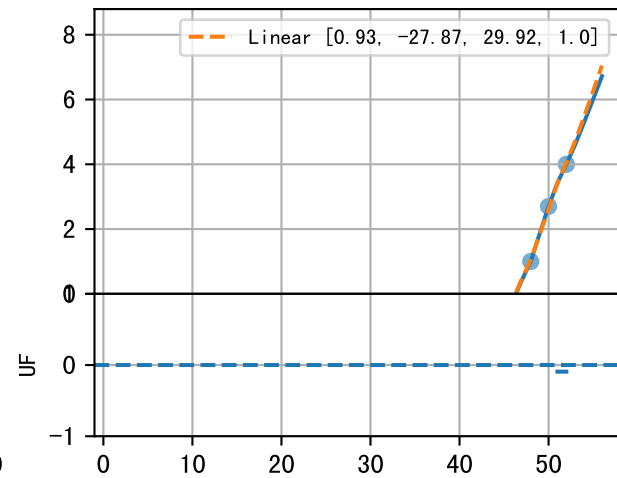
P9AE-065-3T1



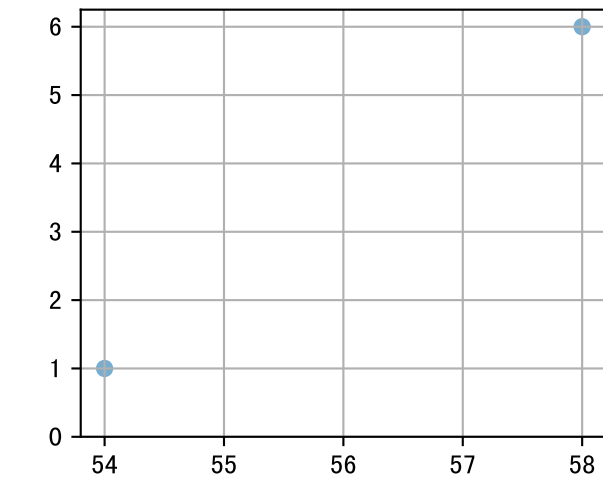
P9AE-065-3T2



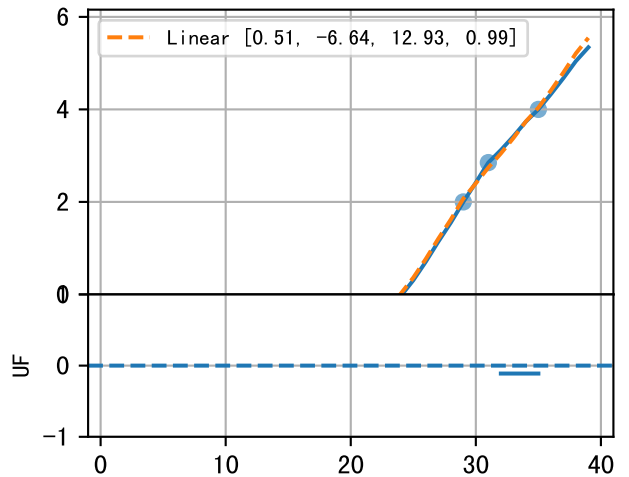
P9AE-065-3T3



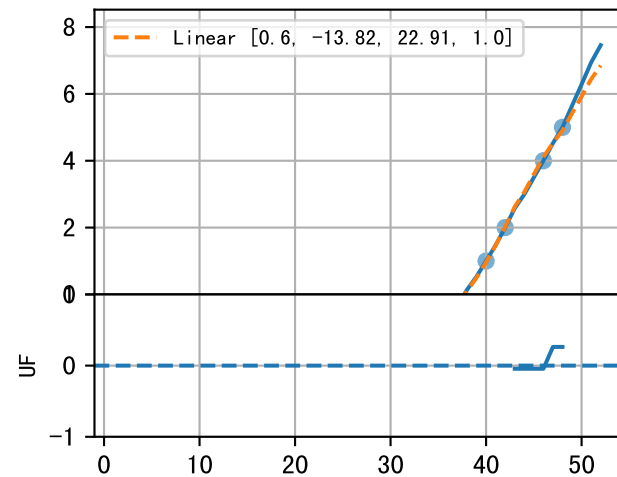
P9AE-065-3T4 (fit failed)



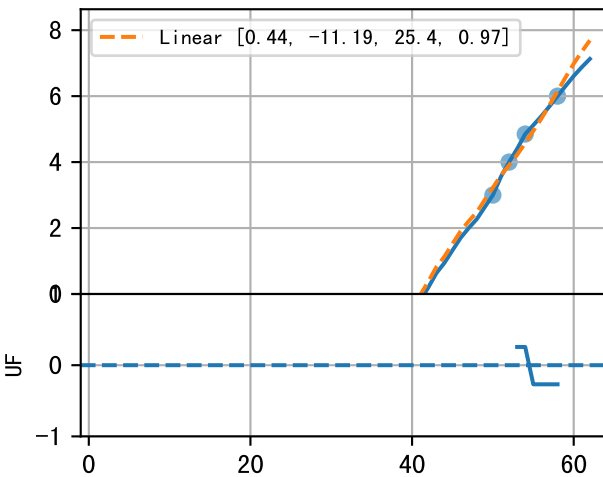
P9AE-077-32T1



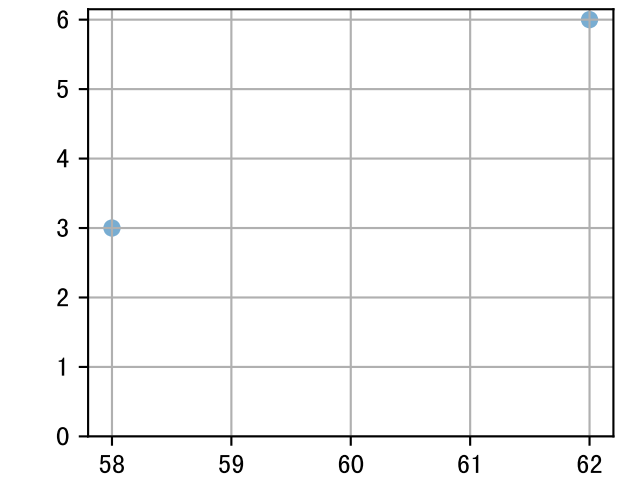
P9AE-077-32T2



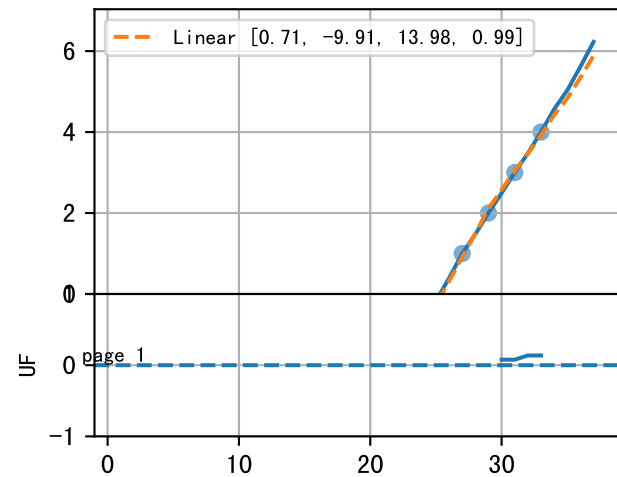
P9AE-077-32T3

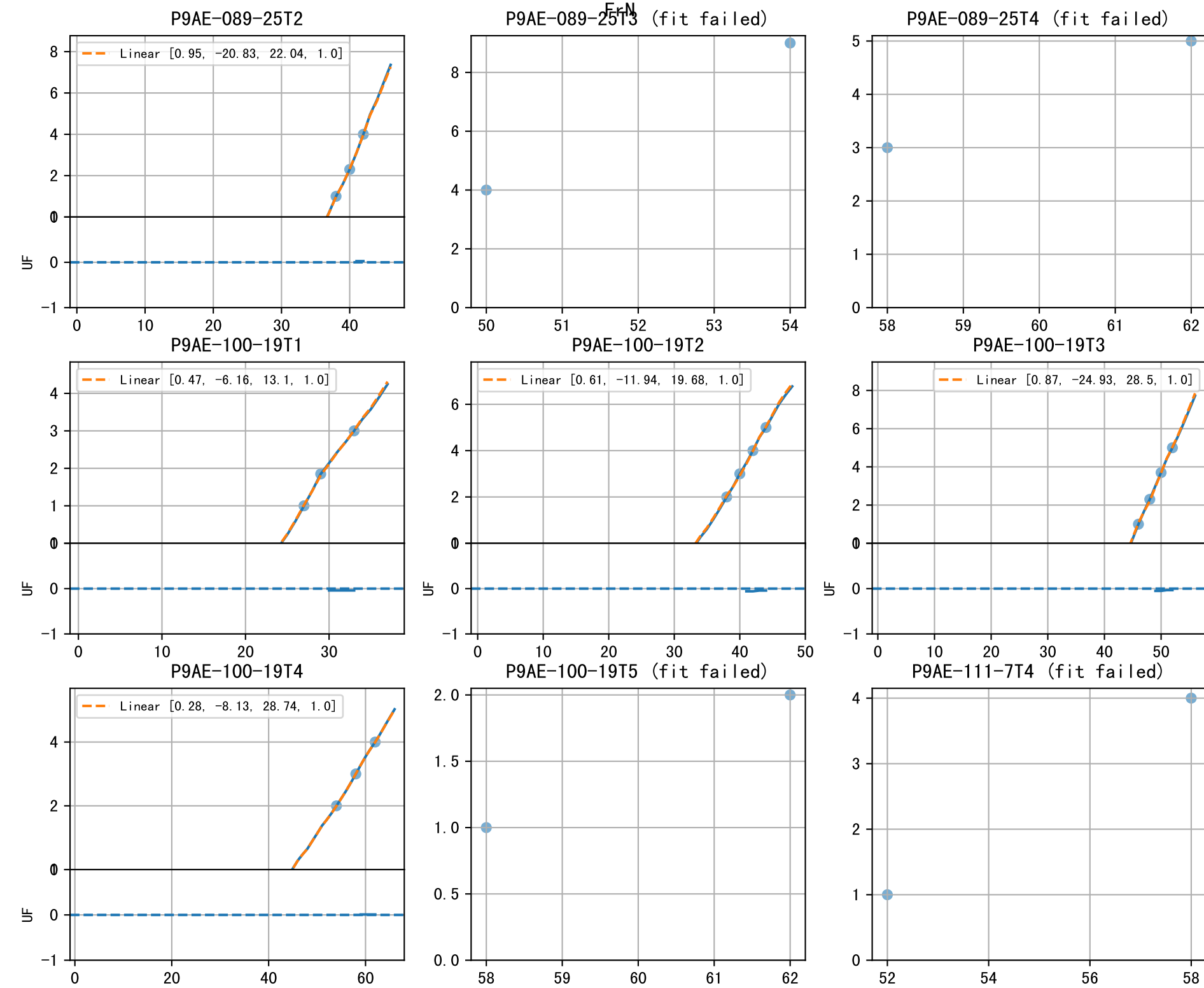


P9AE-077-32T4 (fit failed)

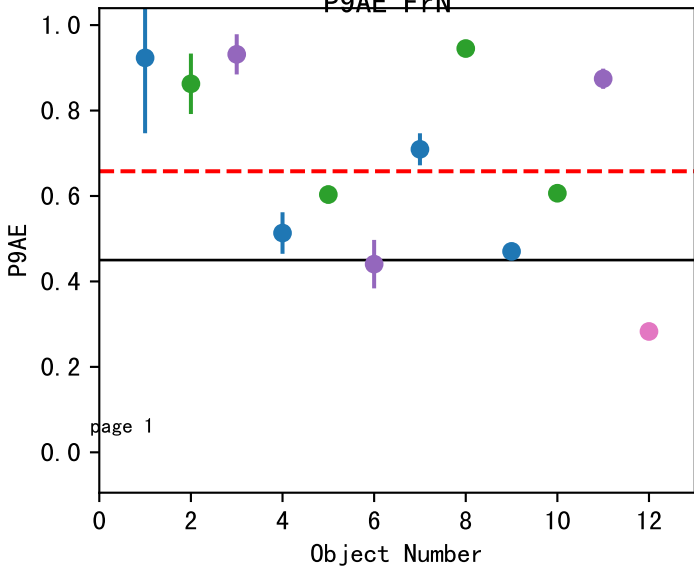


P9AE-089-25T1

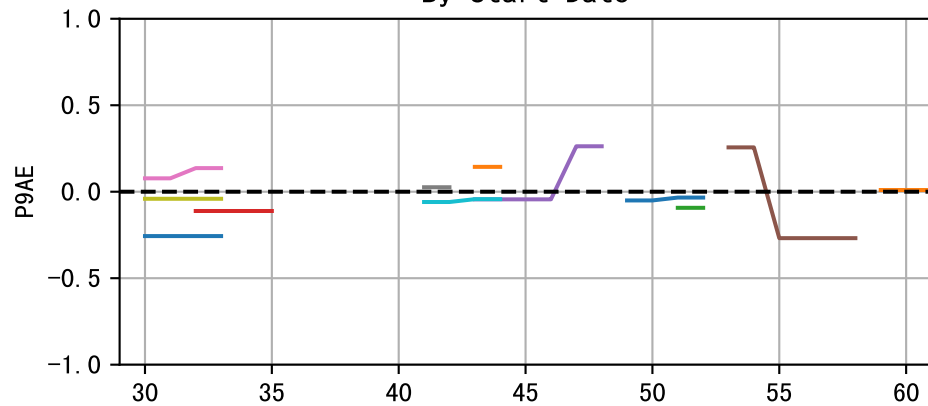




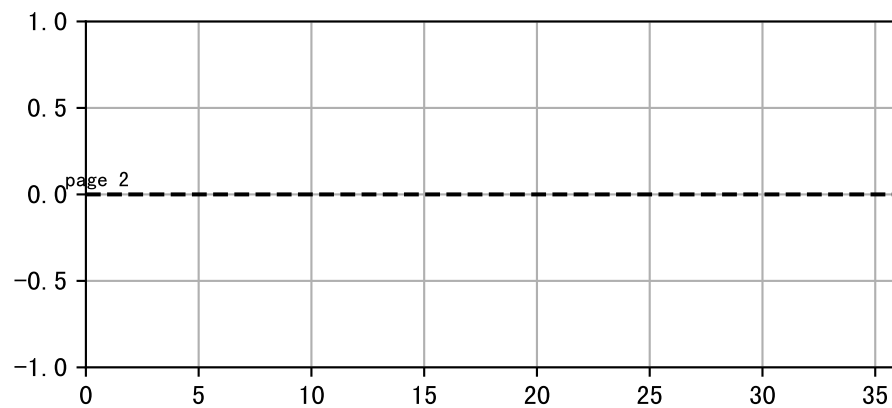
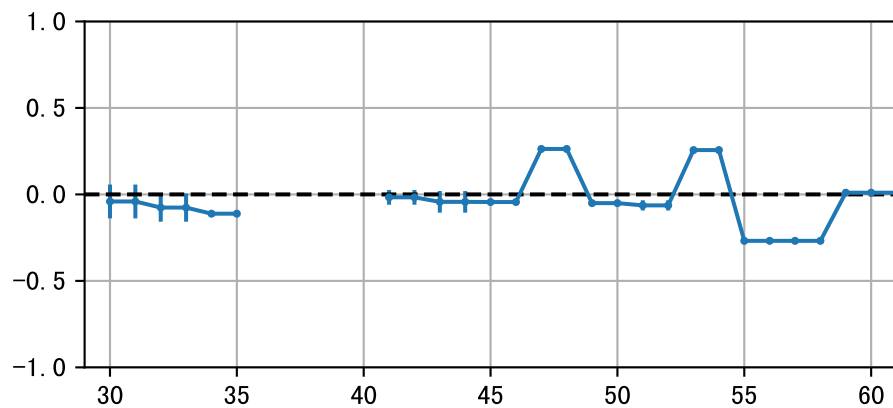
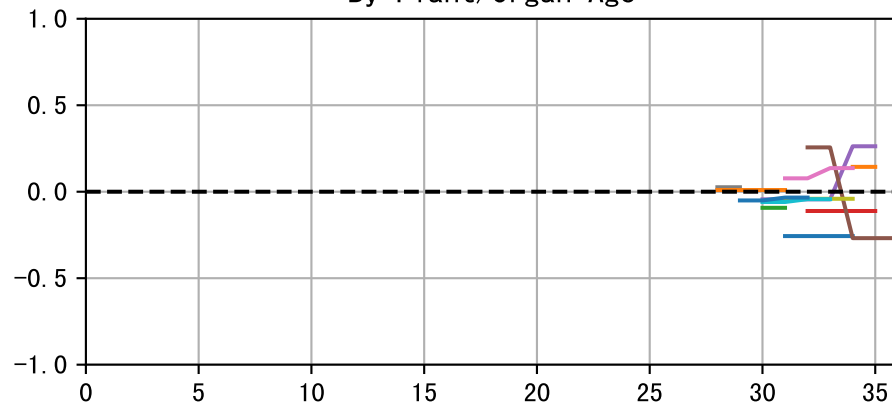
a (Def=0.45 Set=0.66)
avg1=0.66~34% avg2=na



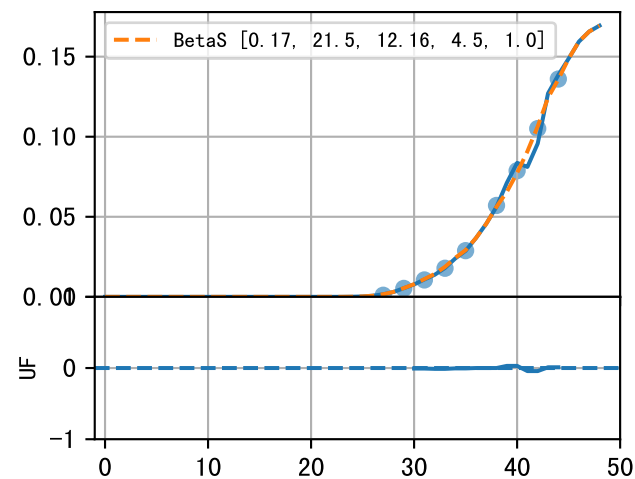
By Start Date



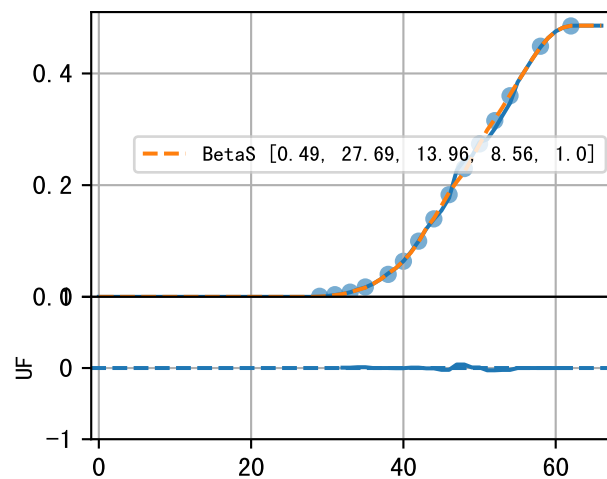
By Plant/Organ Age



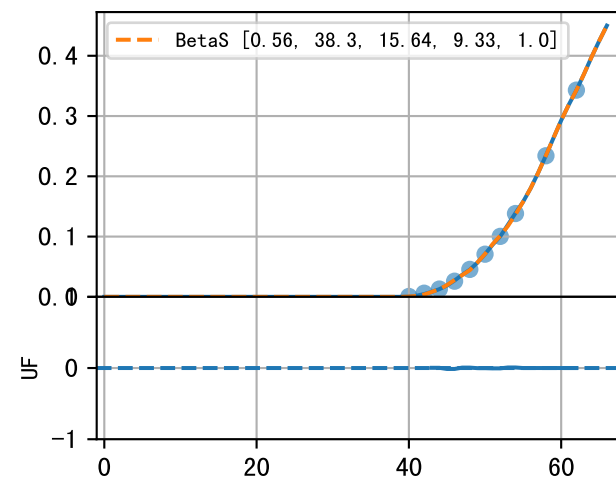
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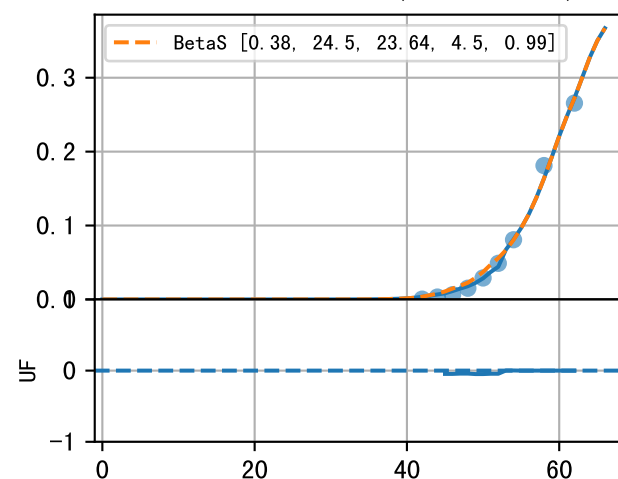
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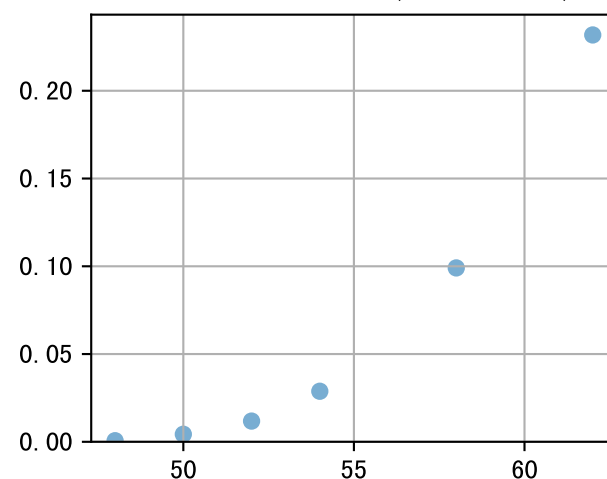
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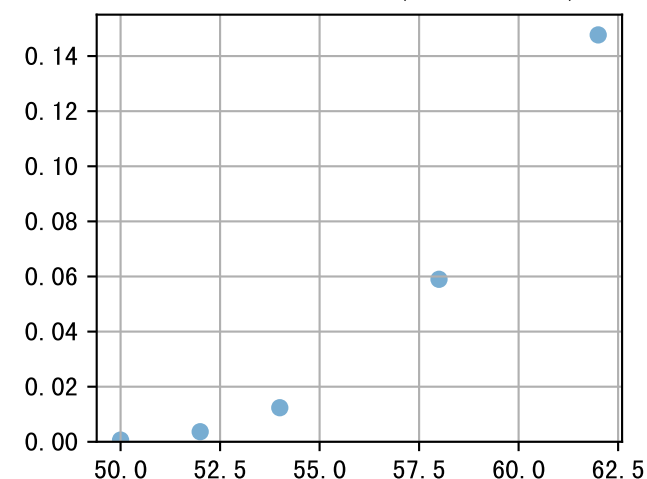
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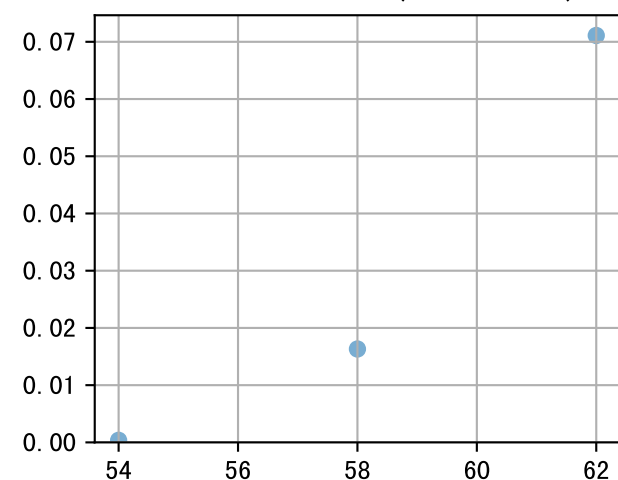
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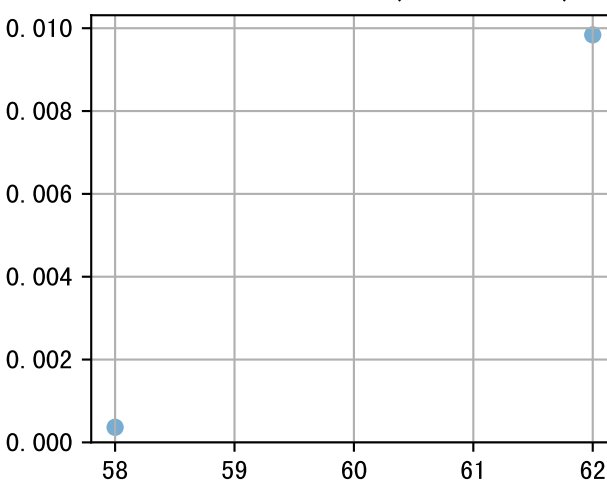
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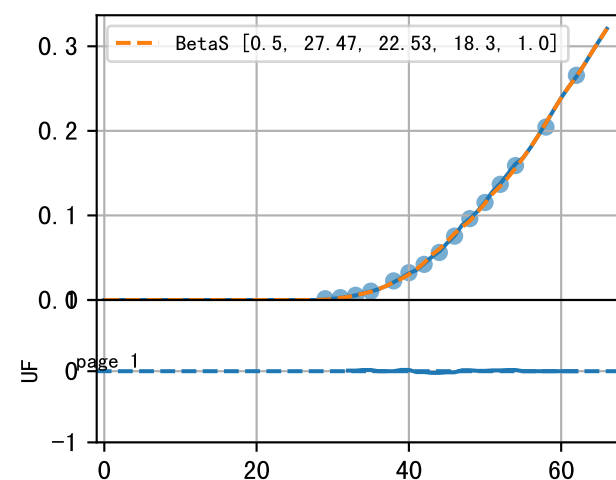
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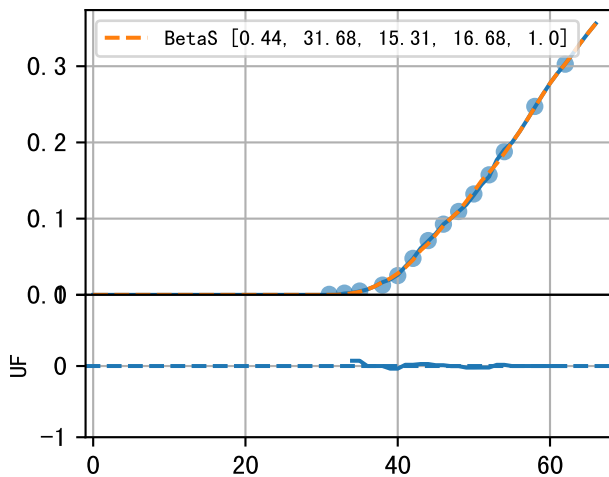
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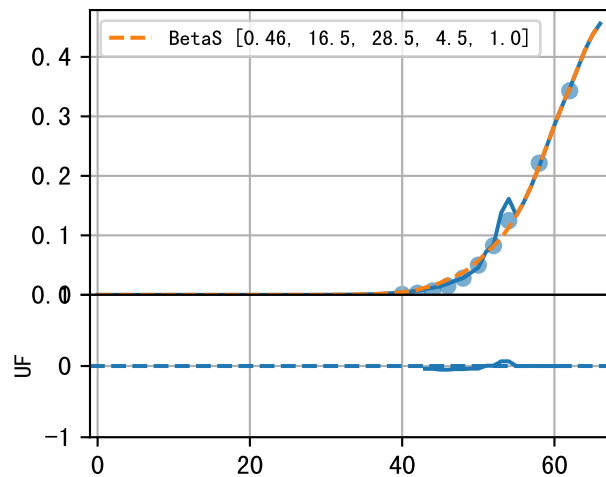
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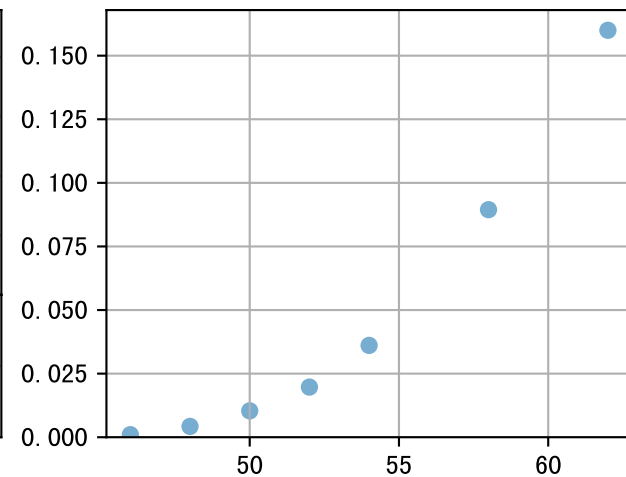
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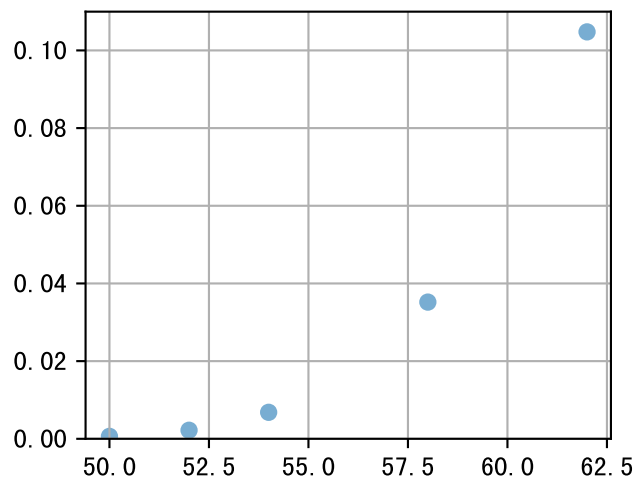
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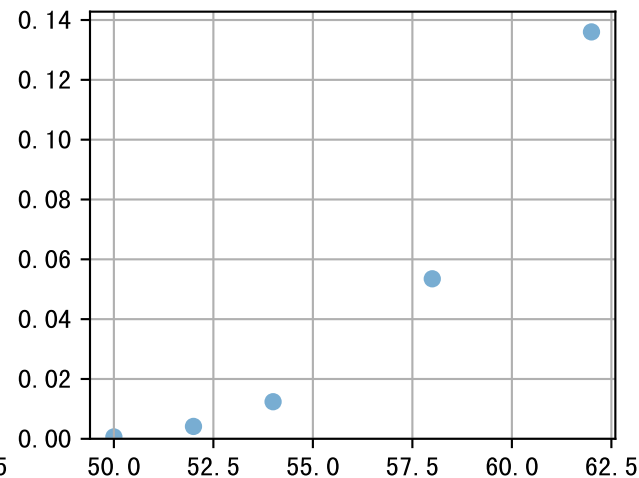
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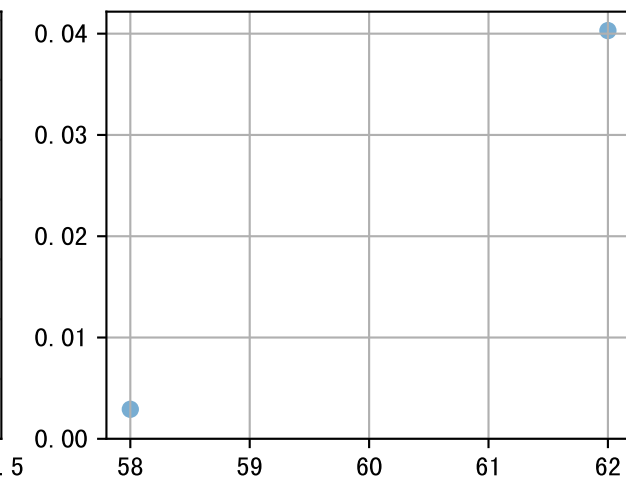
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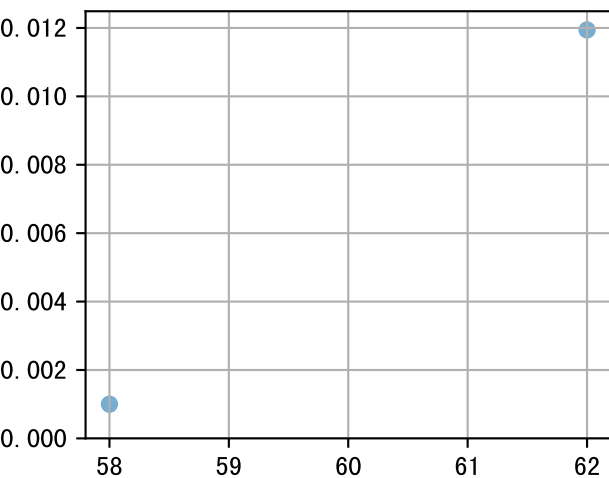
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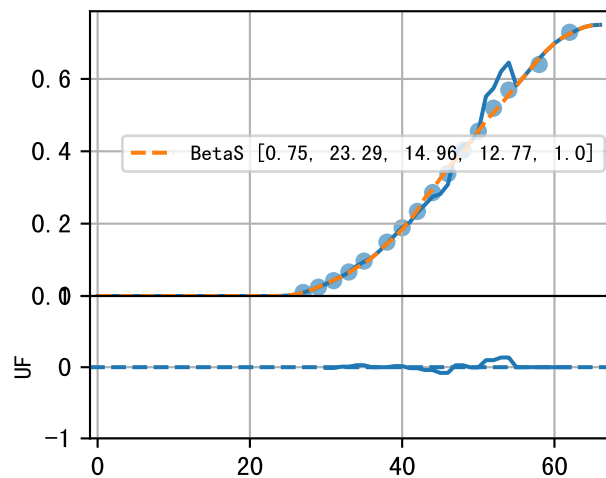
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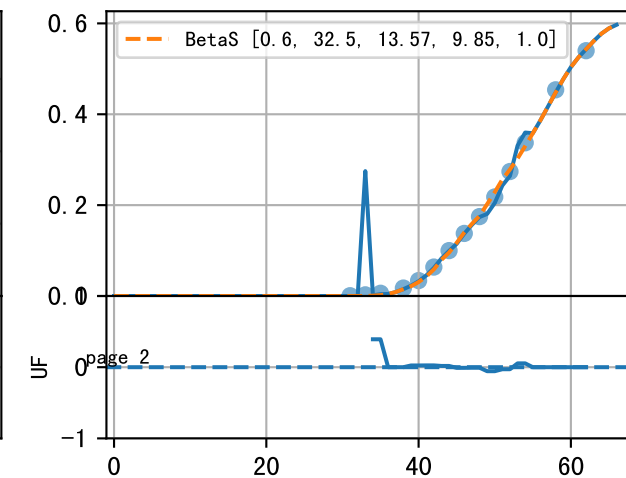
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P9AE-089-25T1Fr1

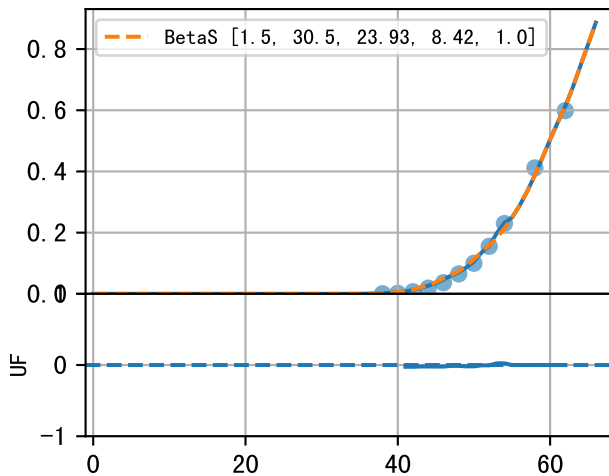


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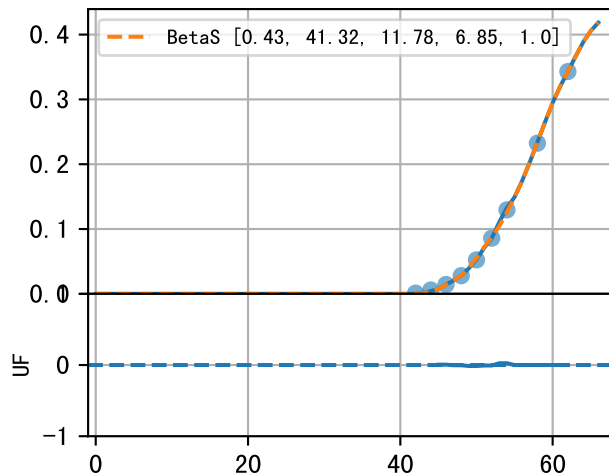


FrV

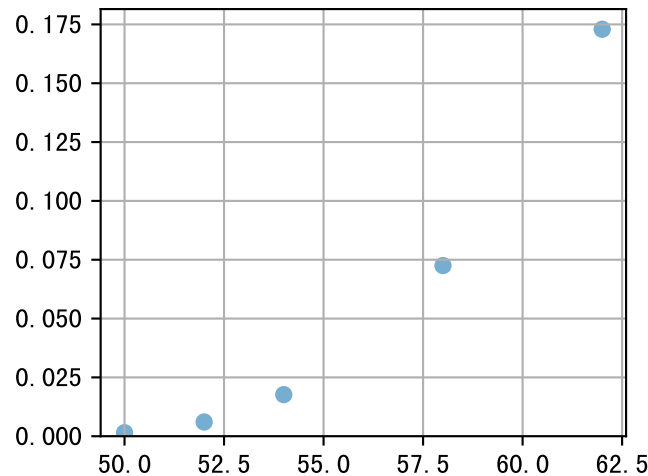
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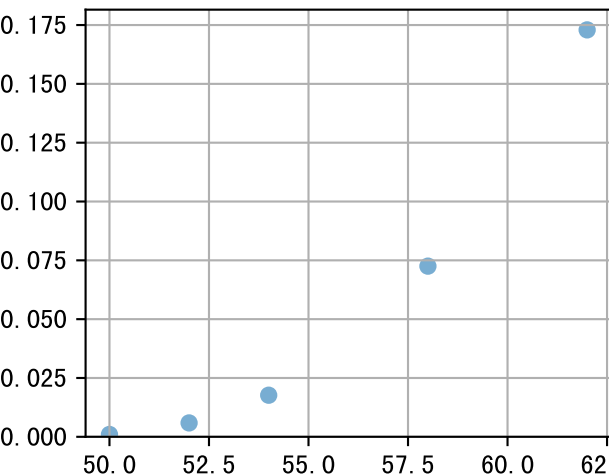
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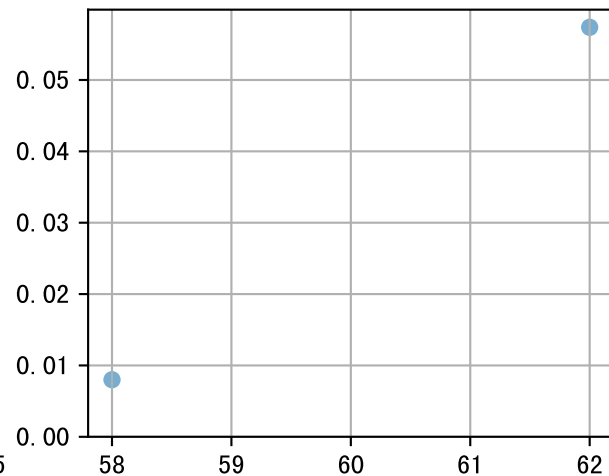
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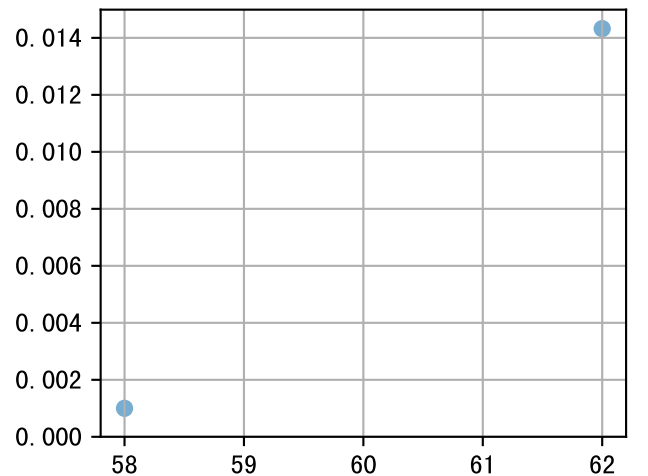
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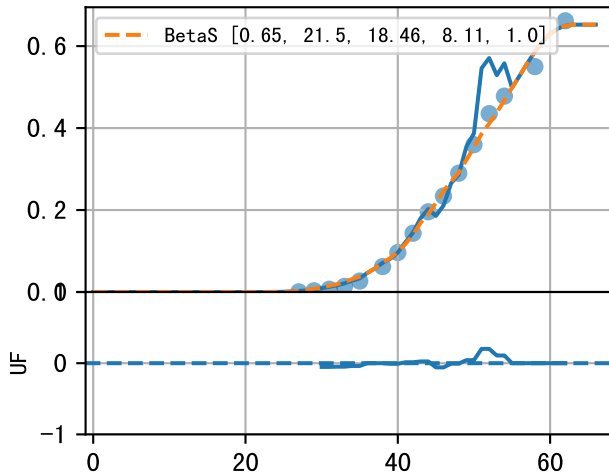
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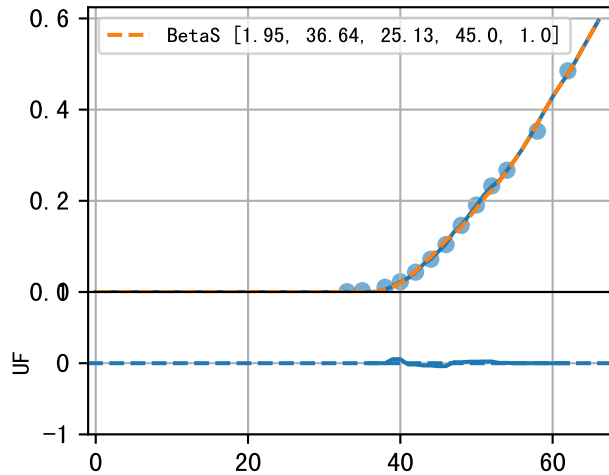
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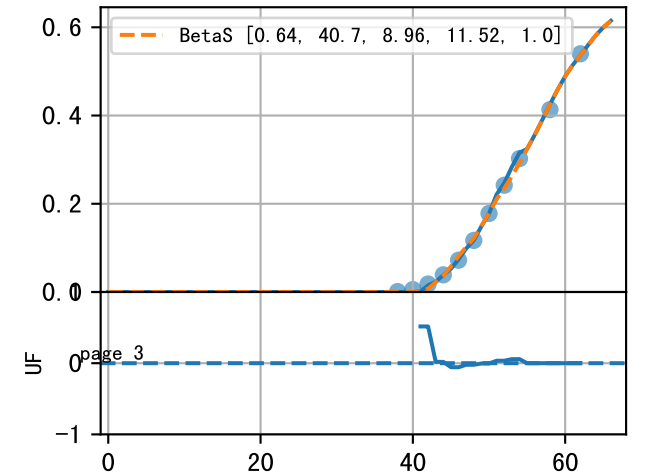
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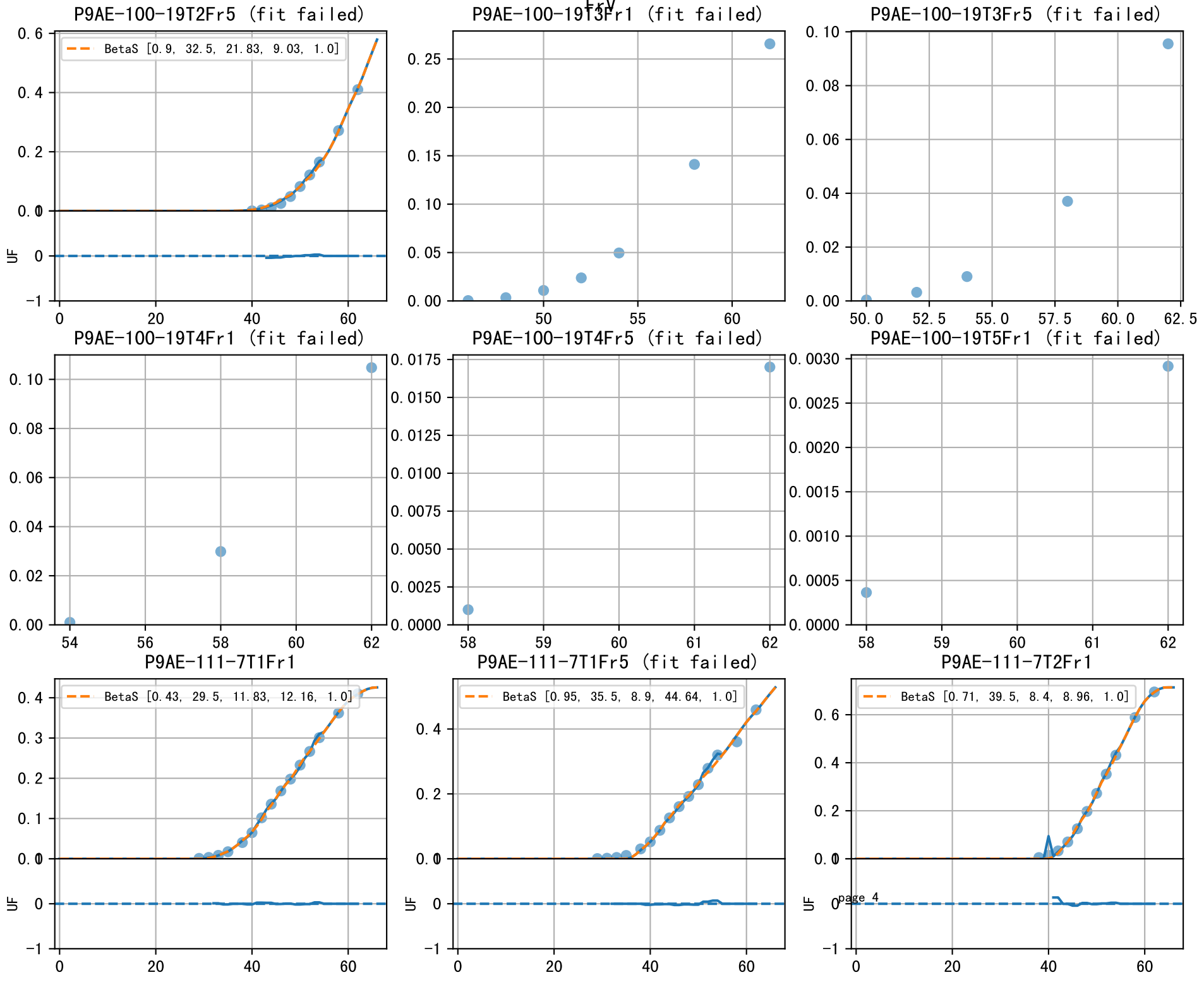
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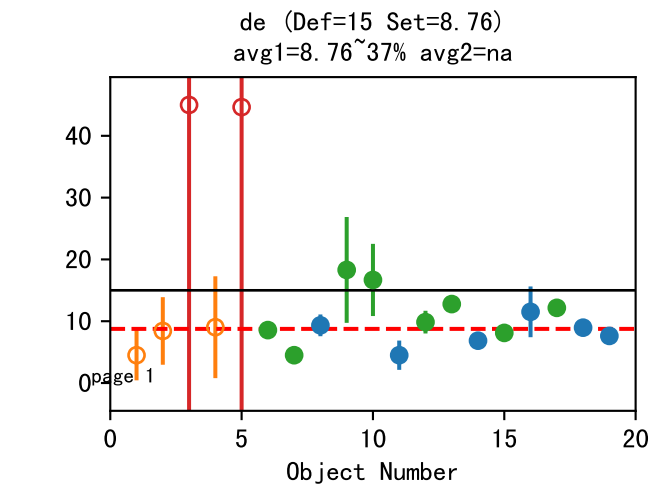
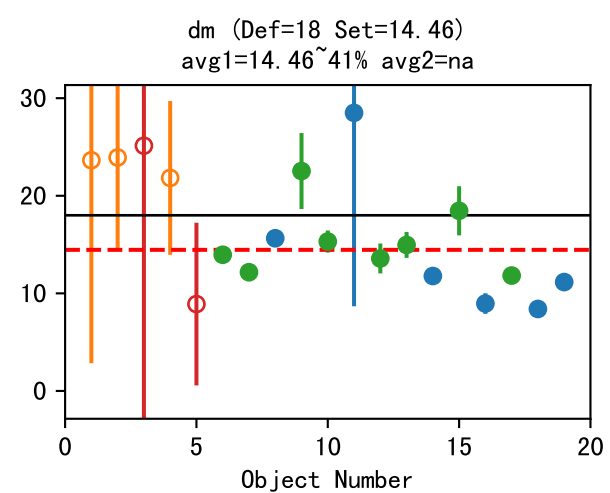
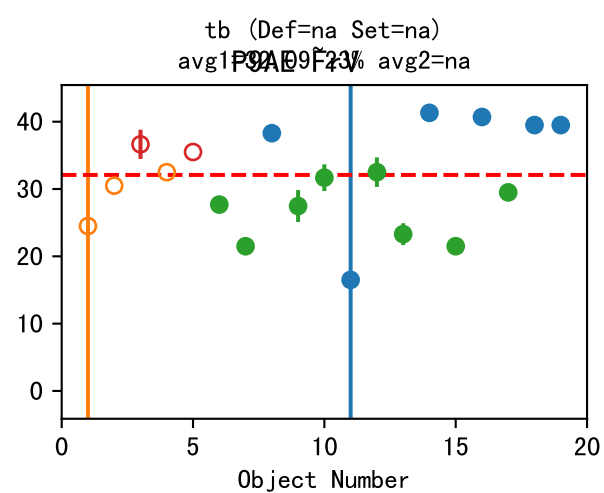
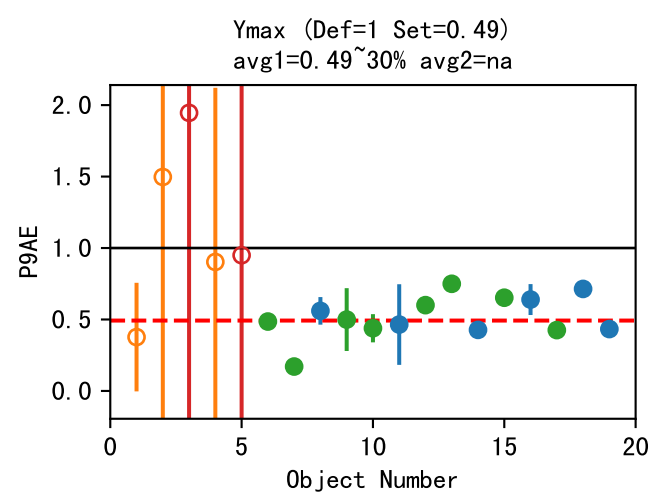
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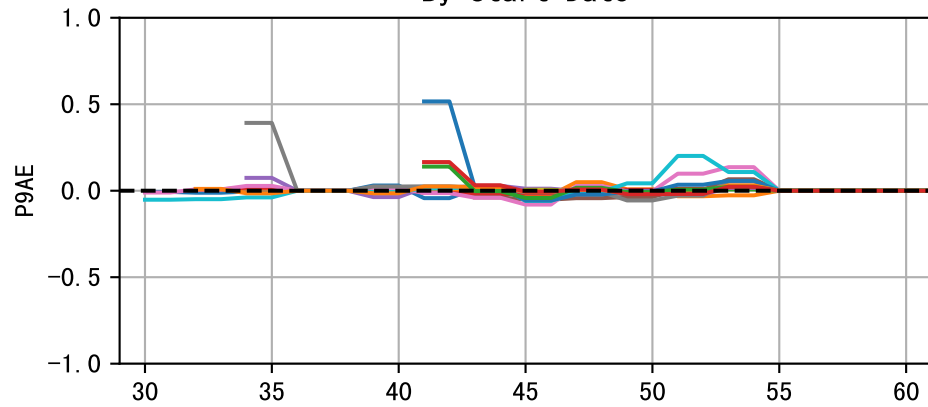
FrV



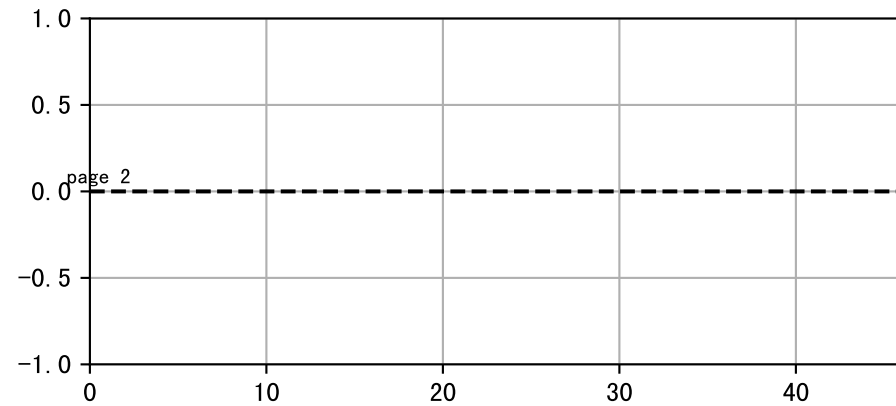
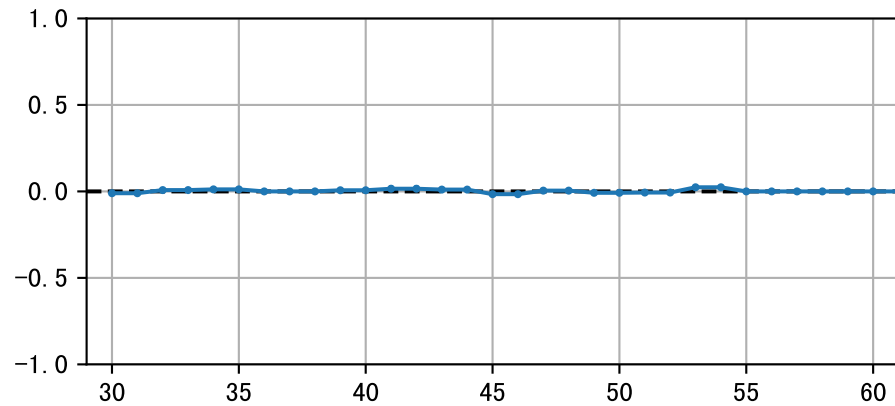
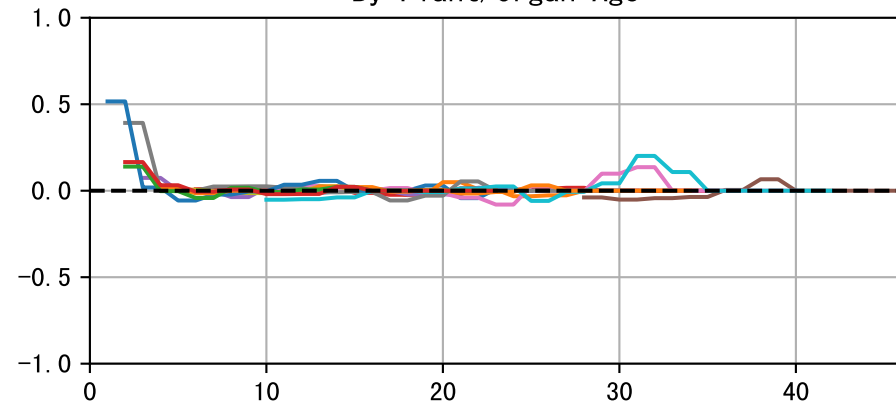




By Start Date

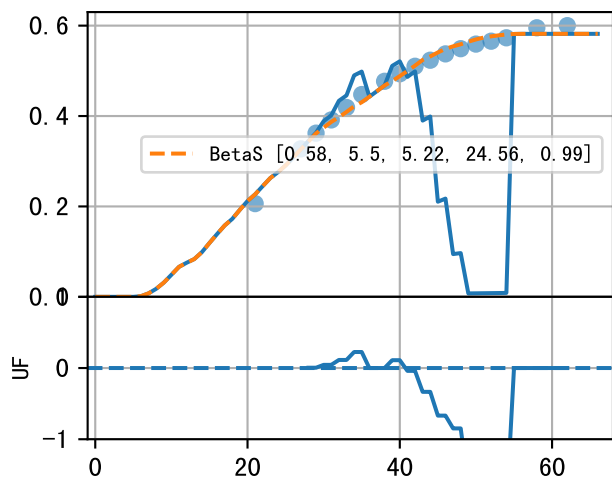


By Plant/Organ Age

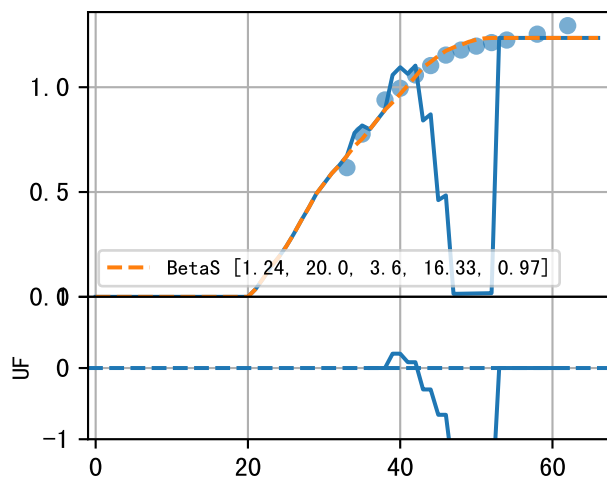




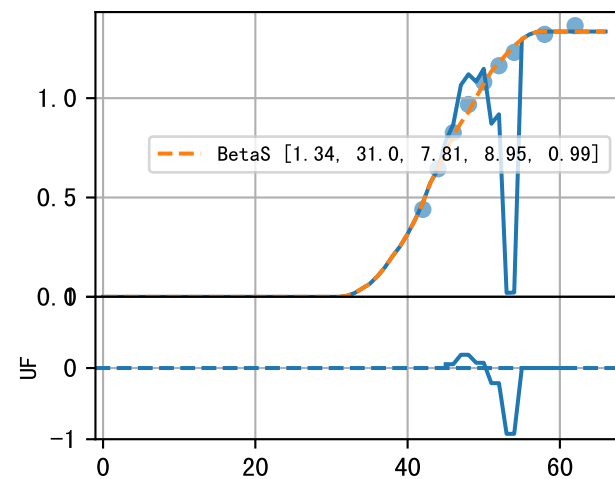
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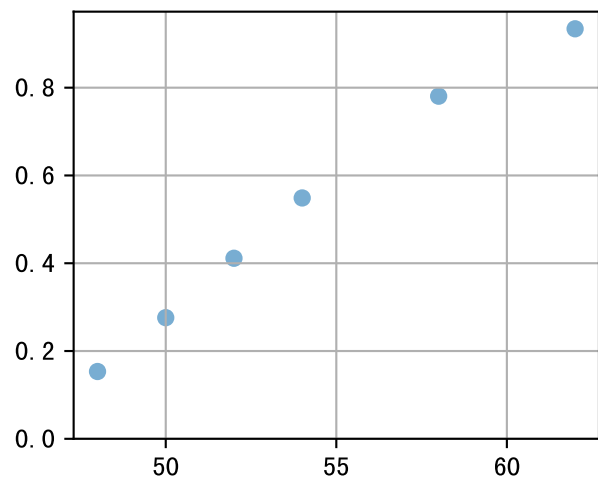
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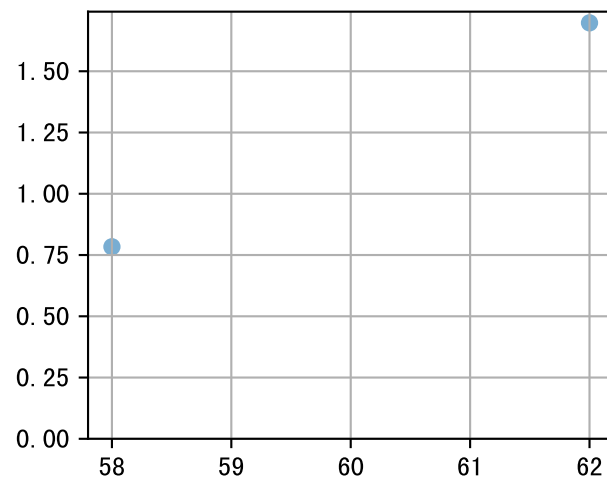
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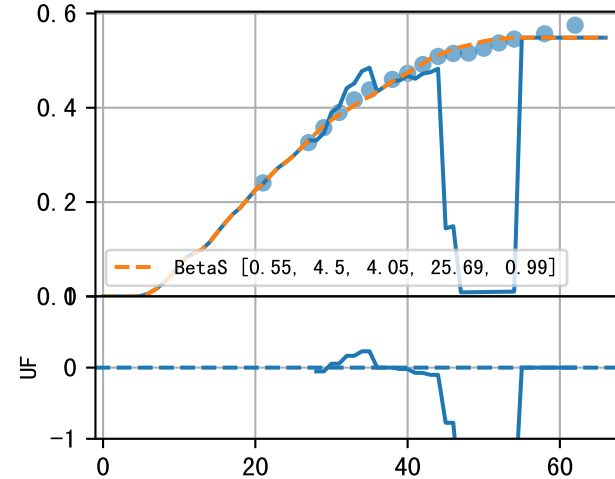
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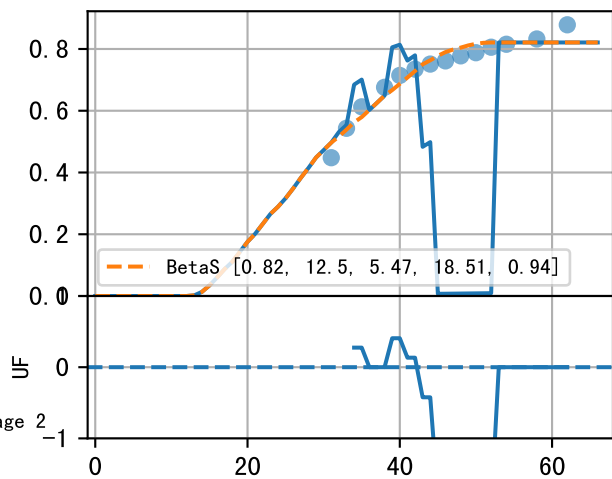
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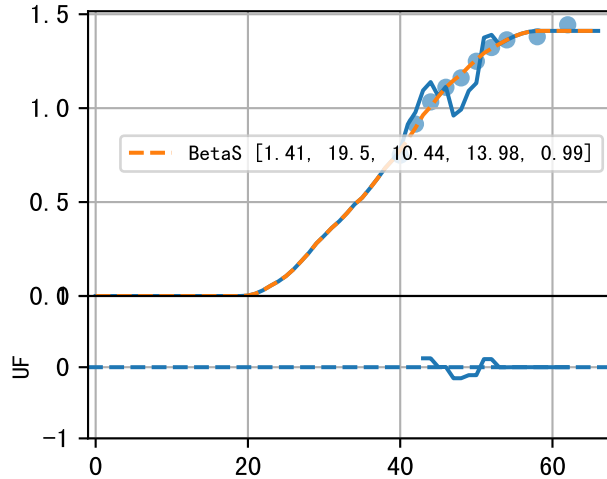
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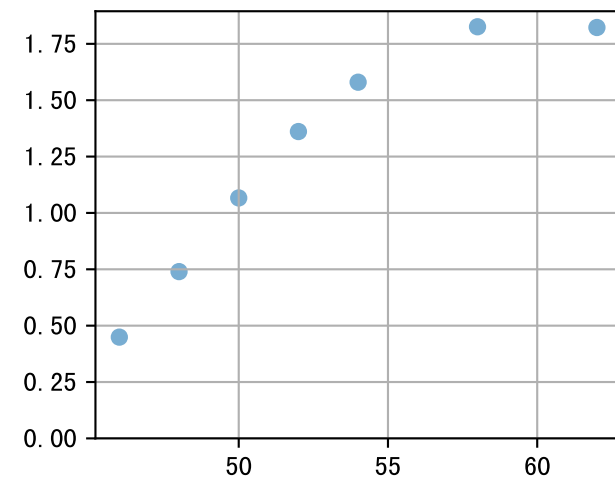
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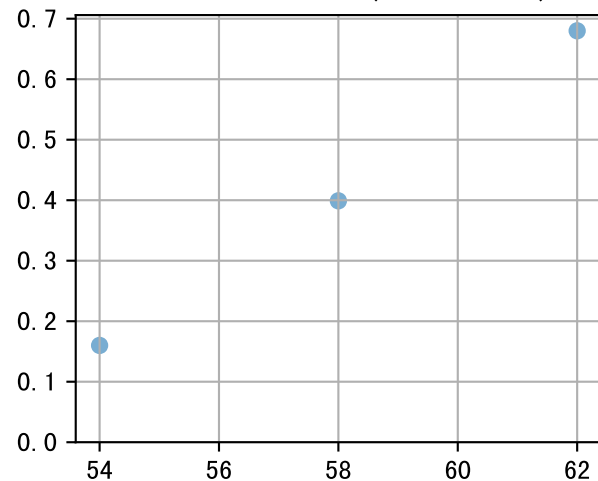
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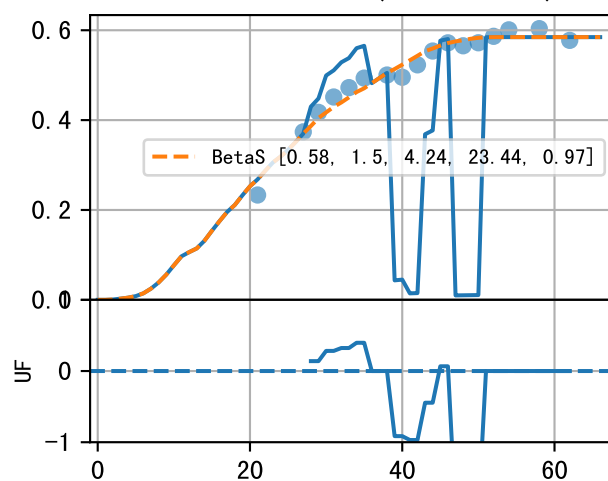
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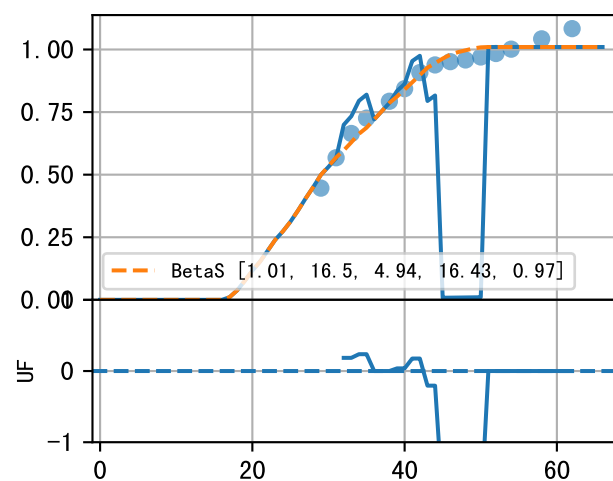
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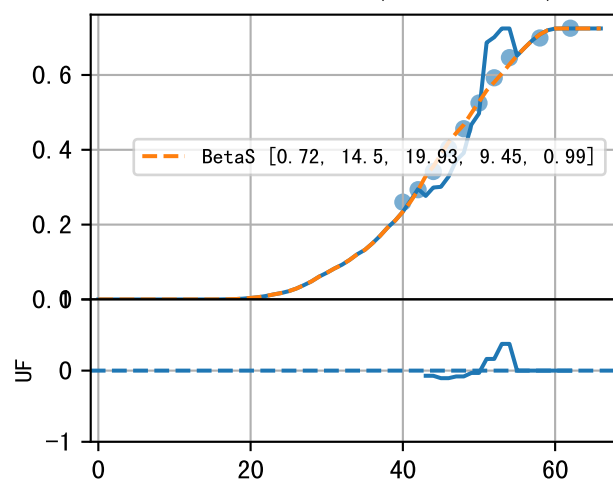
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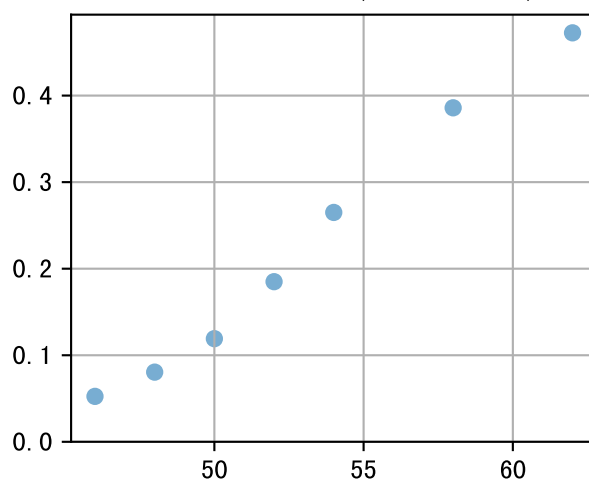
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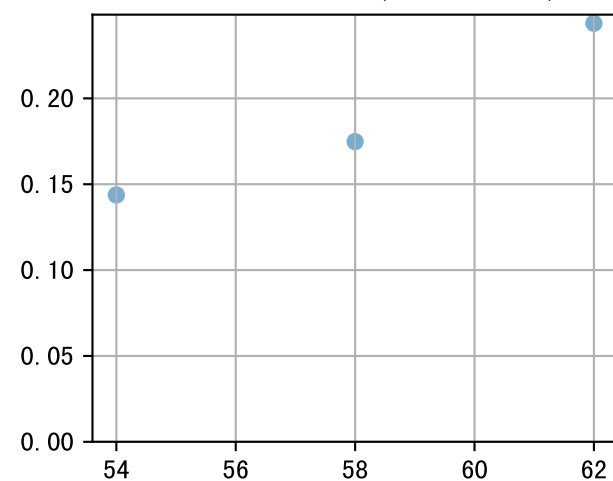
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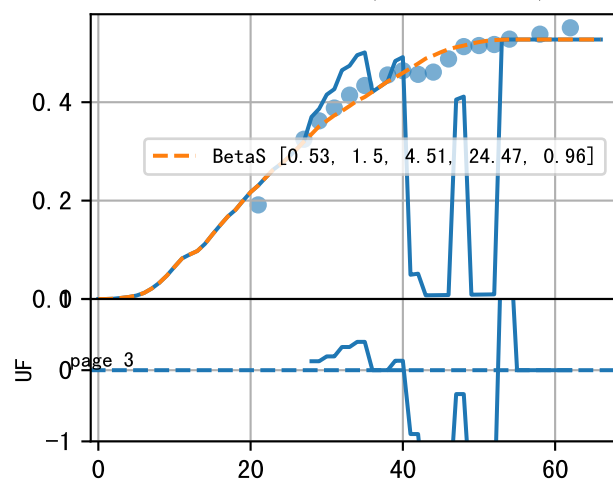
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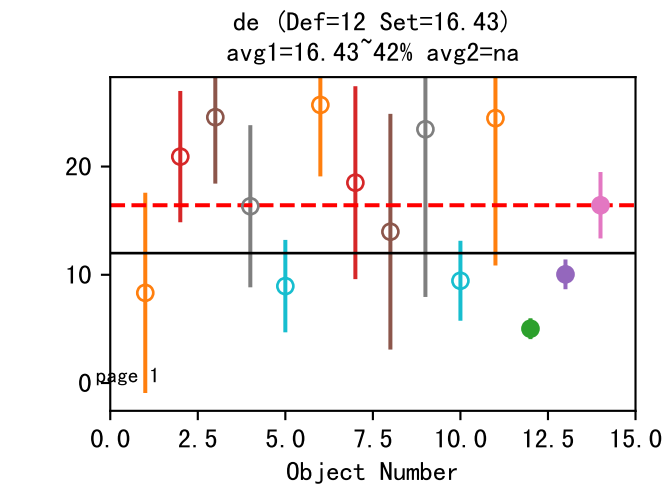
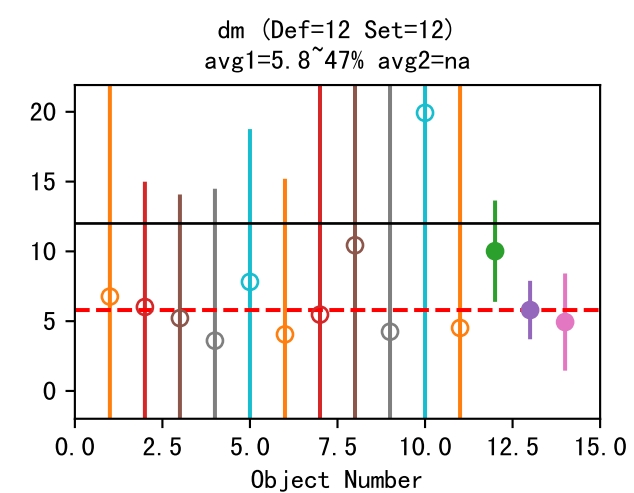
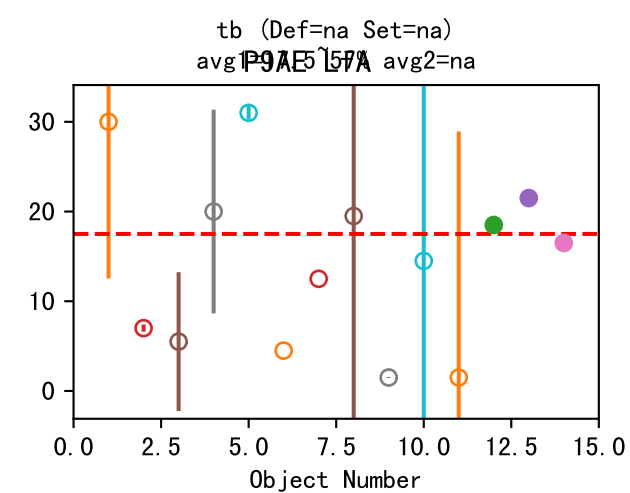
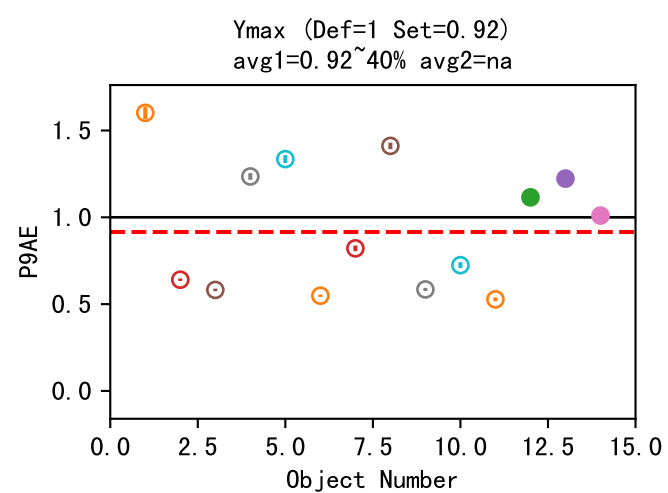


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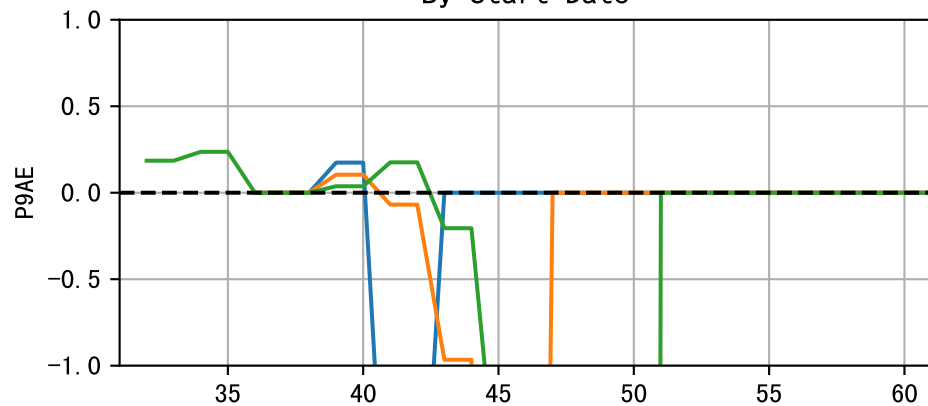


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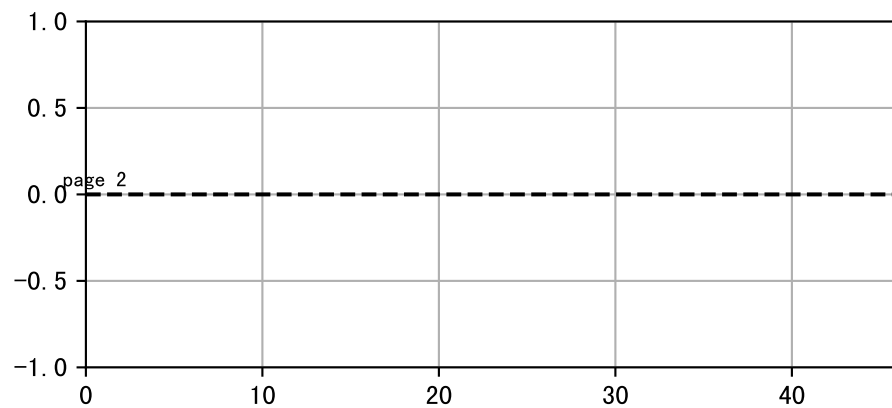
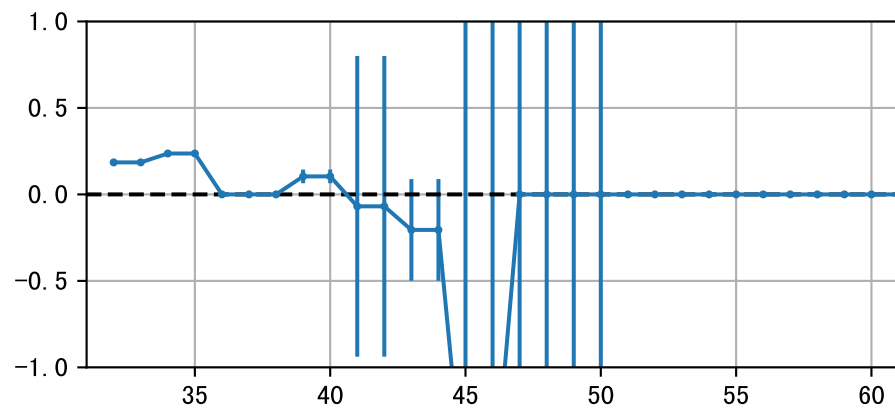
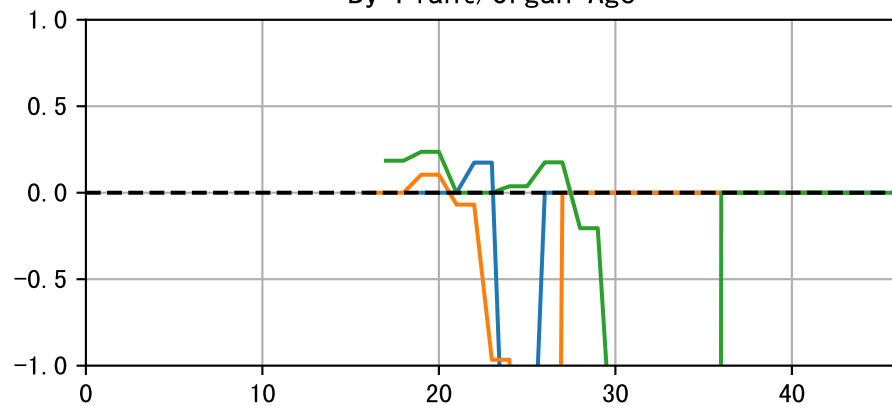


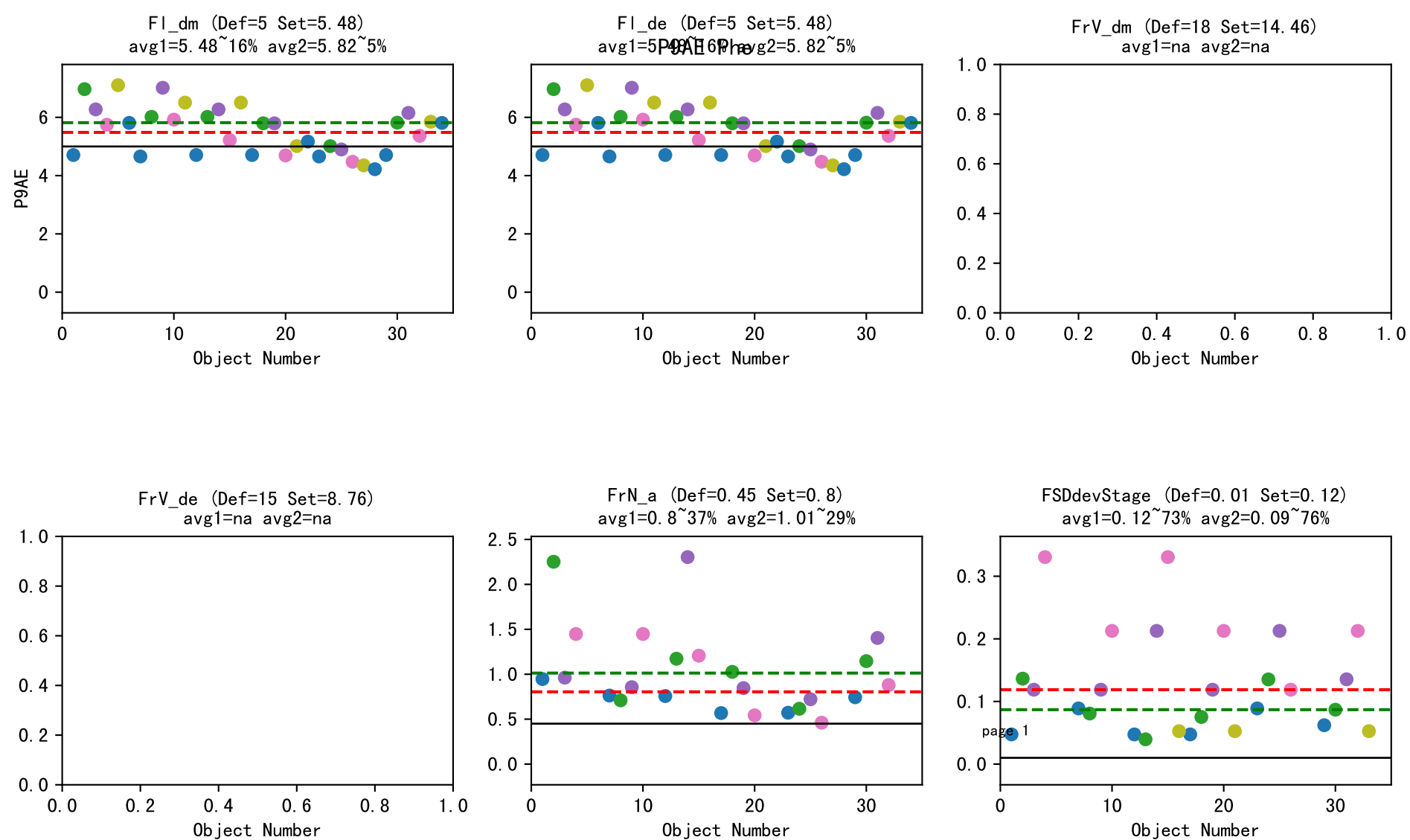


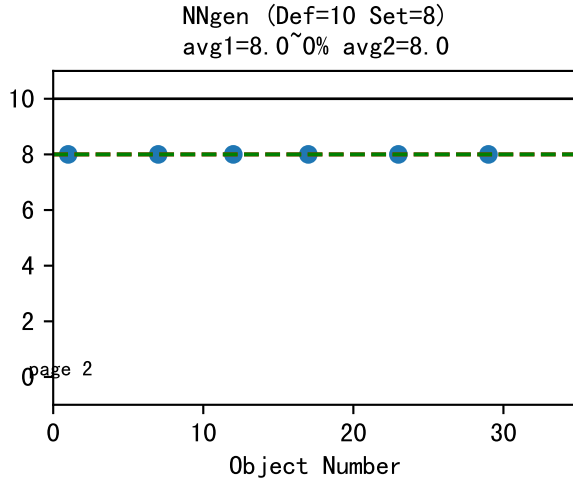
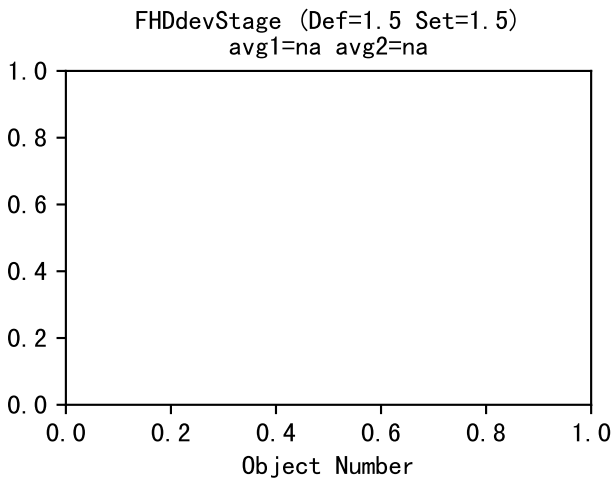
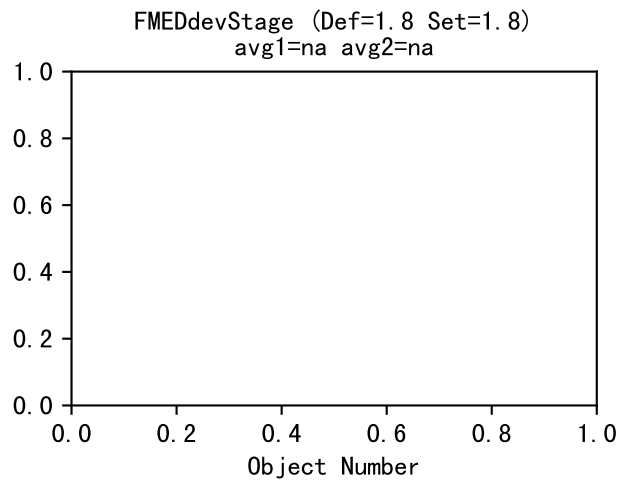
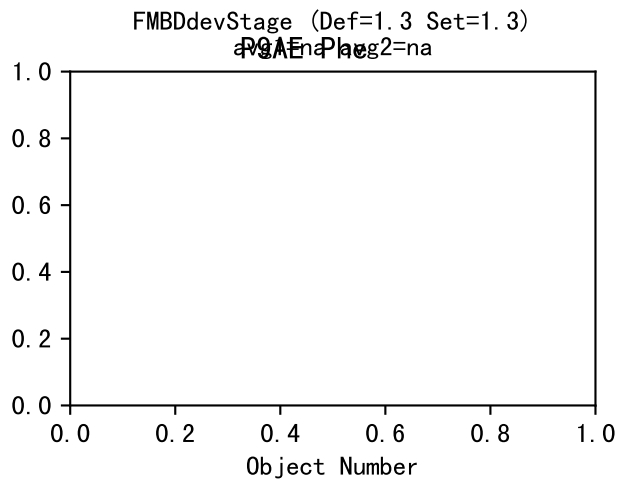
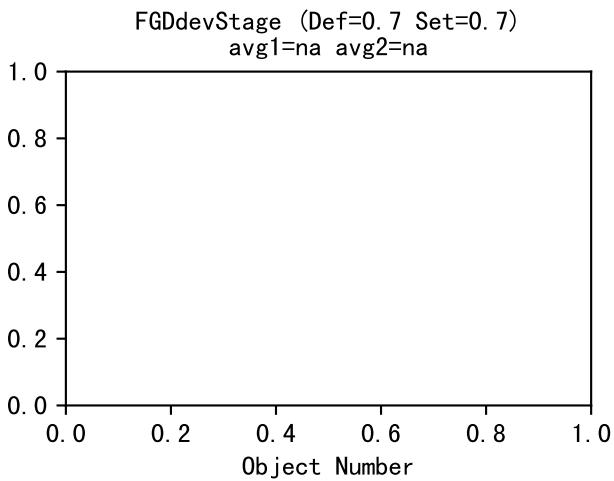
By Start Date



By Plant/Organ Age

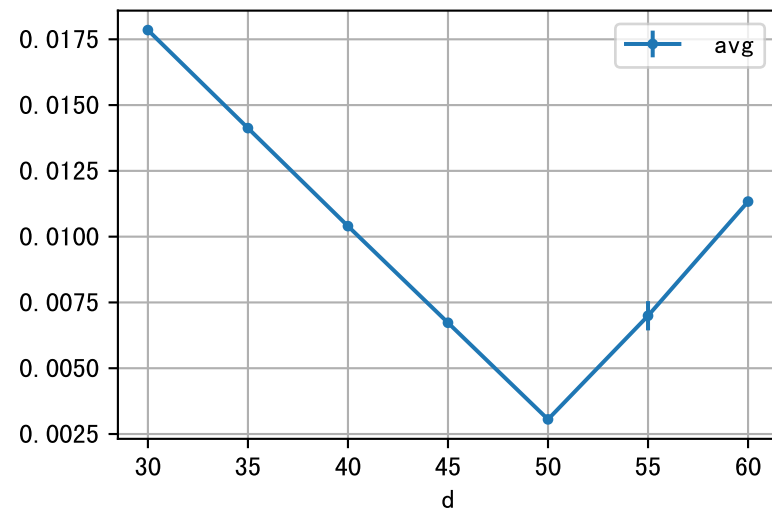




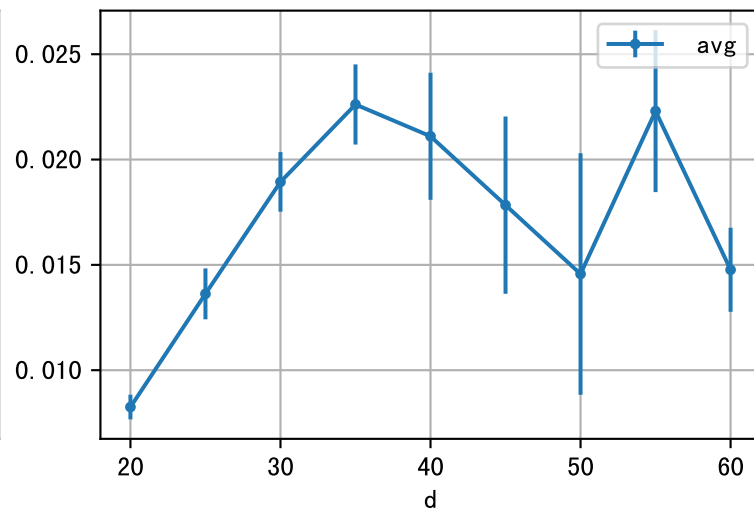


LfA: avg vs. d at each age group

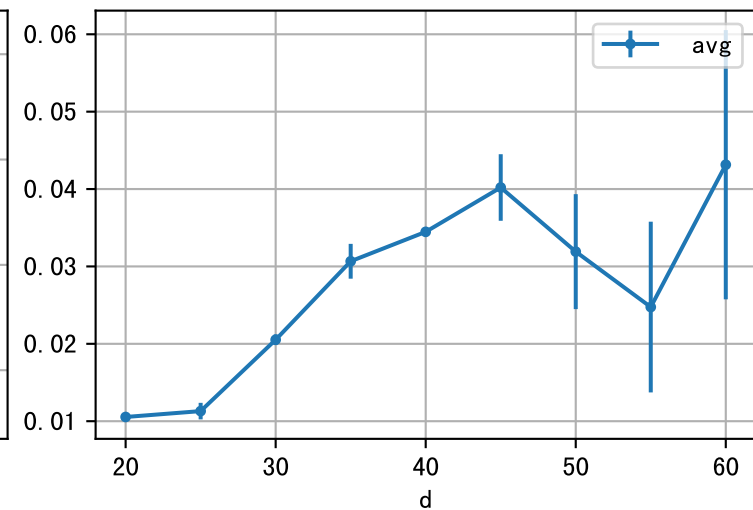
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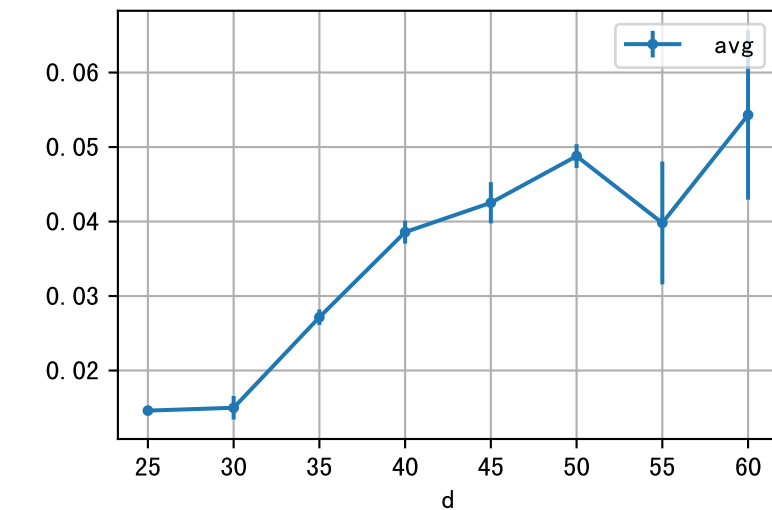
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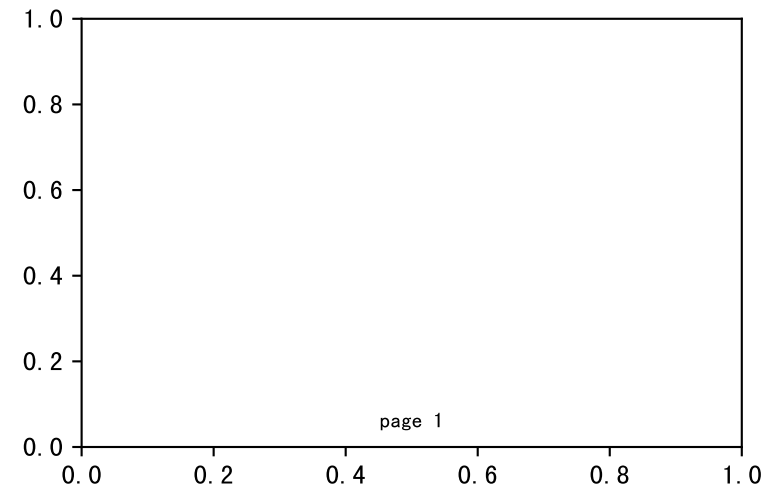
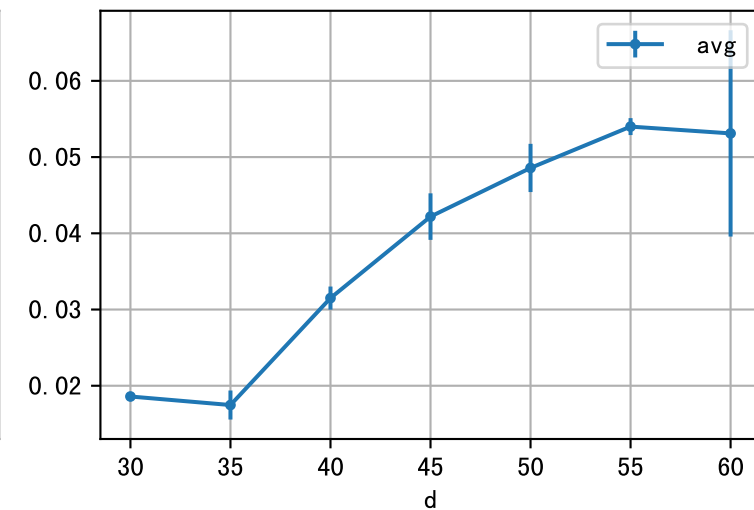
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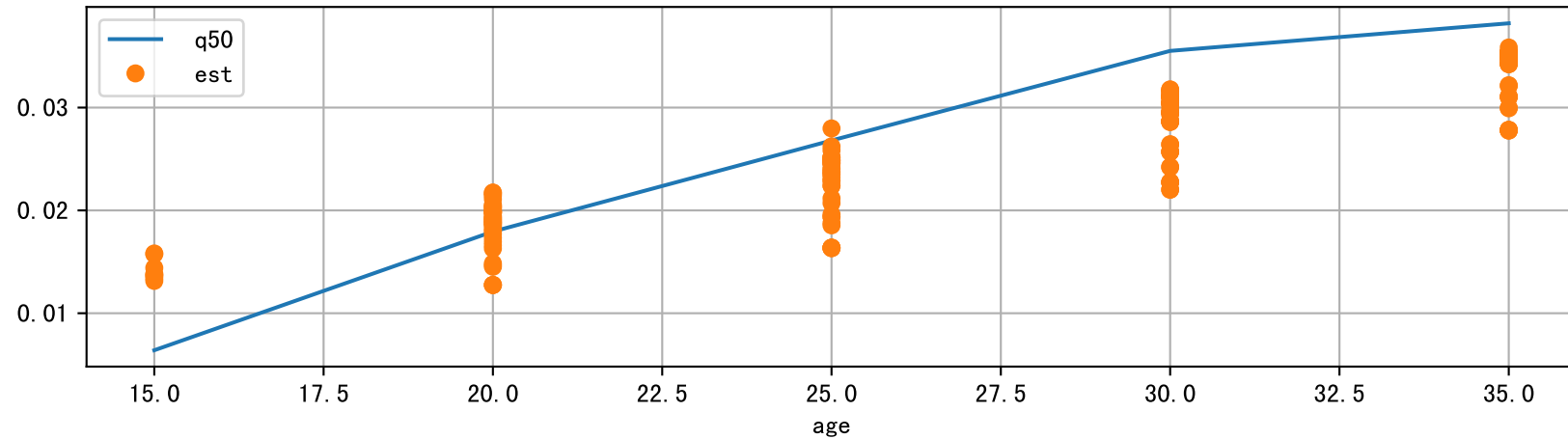


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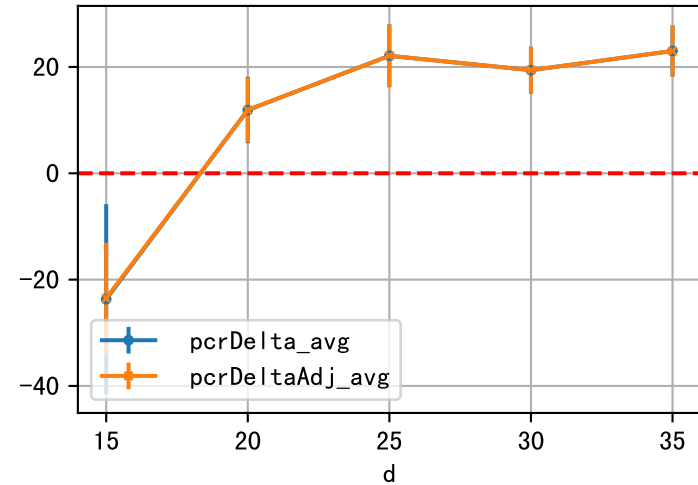
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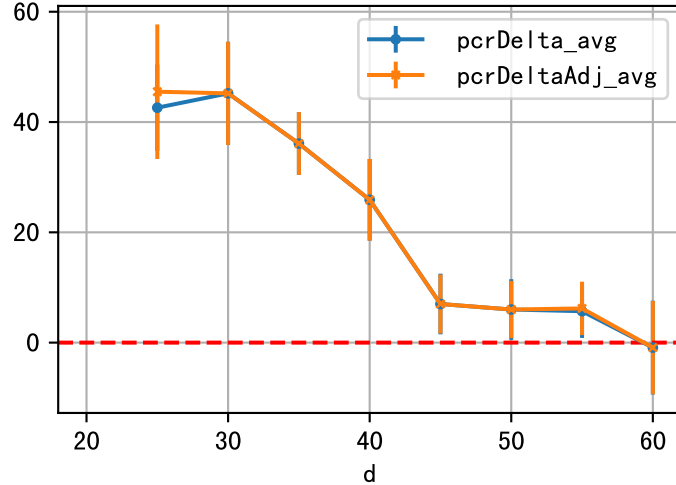


P9AE LfA: D_5d_LfA

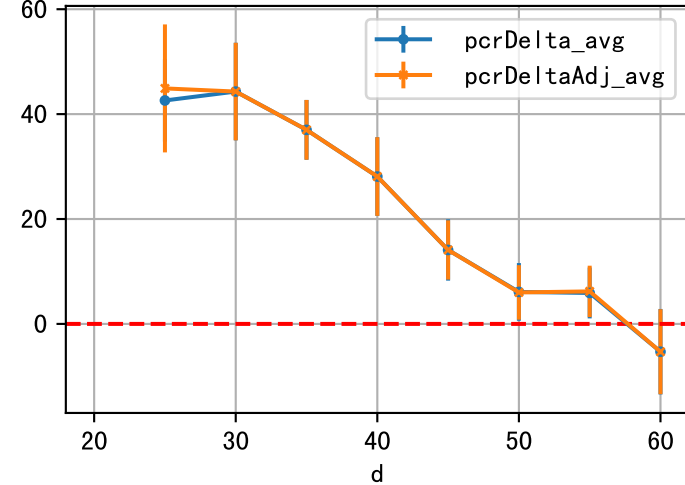
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DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

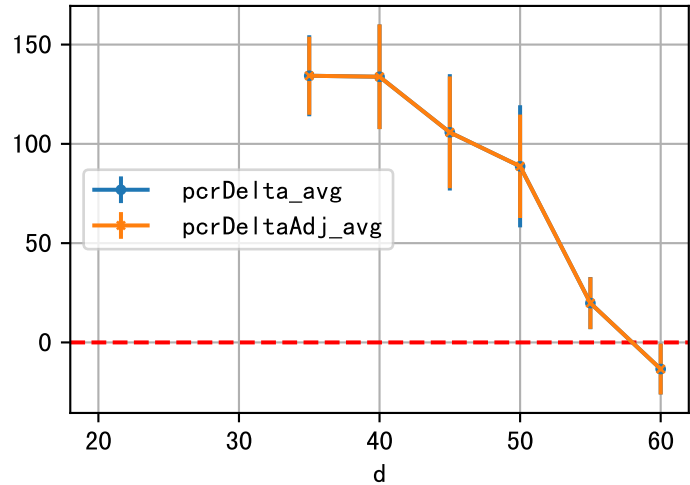
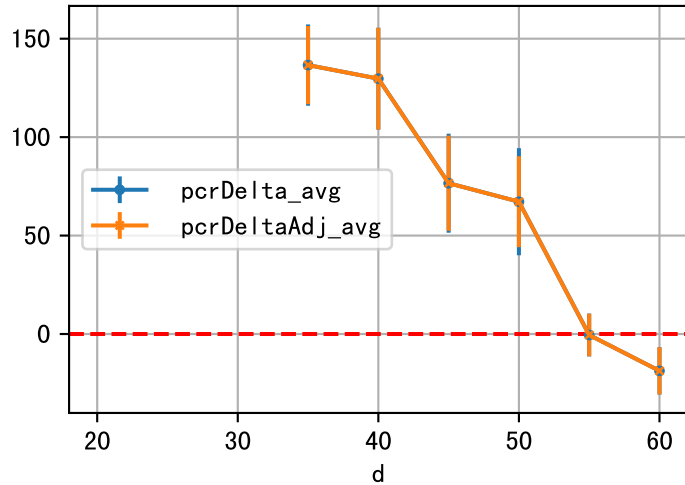
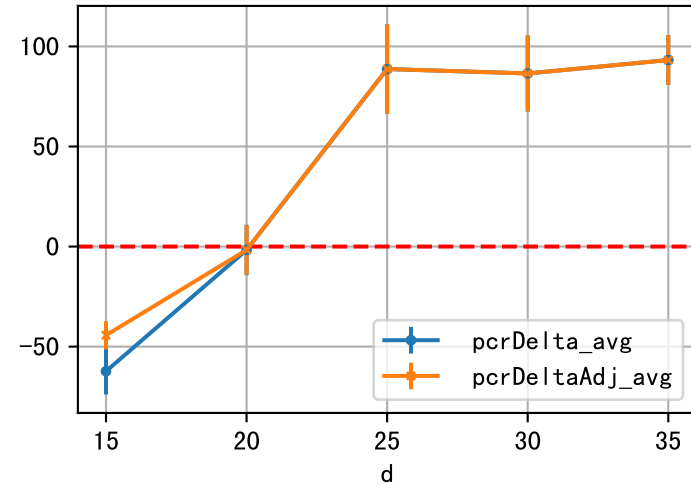


P9AE LfA: D_15d_LfA

DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

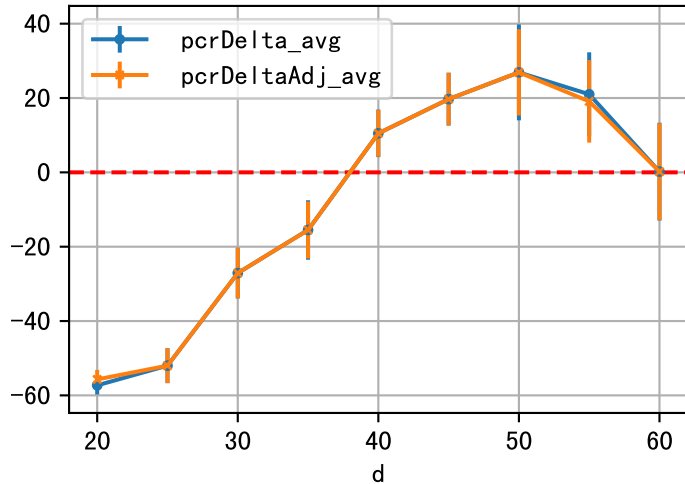
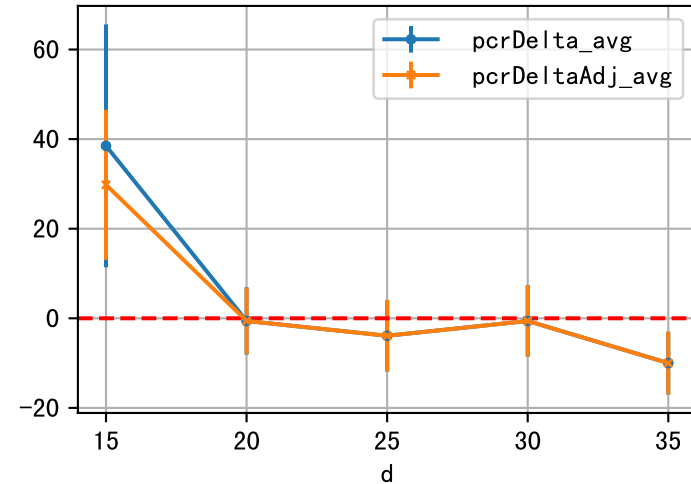


P9AE LfA: D_Q50_LfA

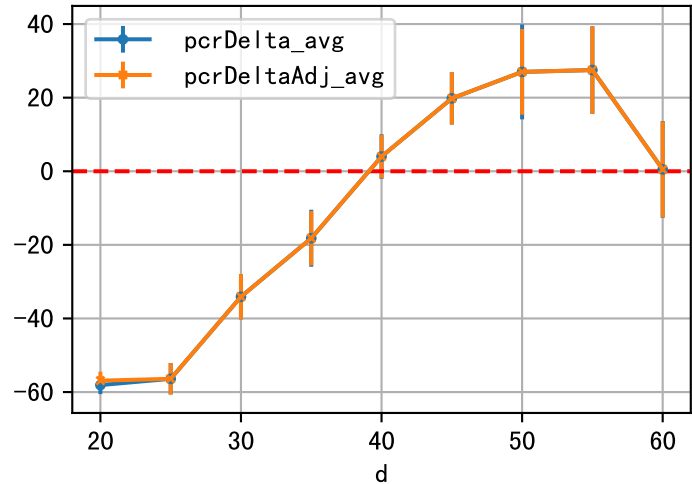
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DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD



page 5

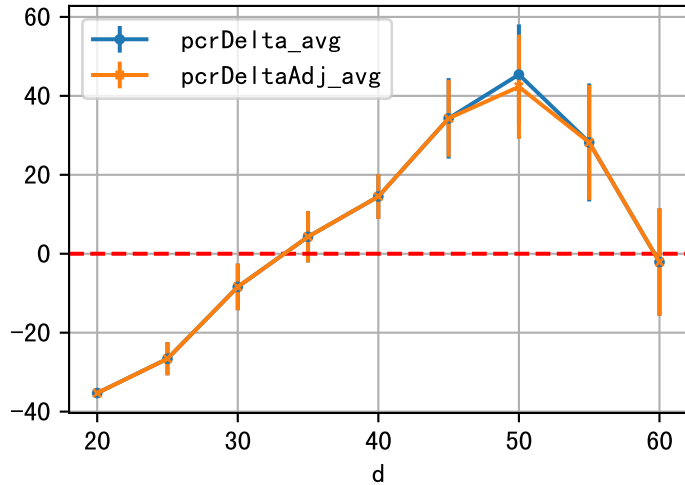
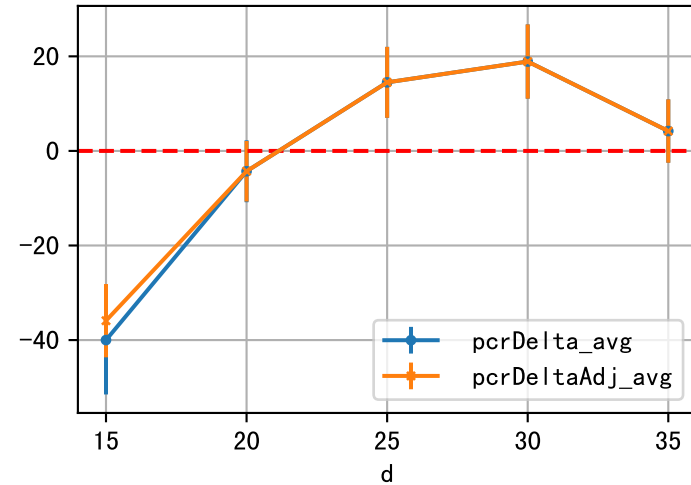


P9AE LfA: D_Est_LfA

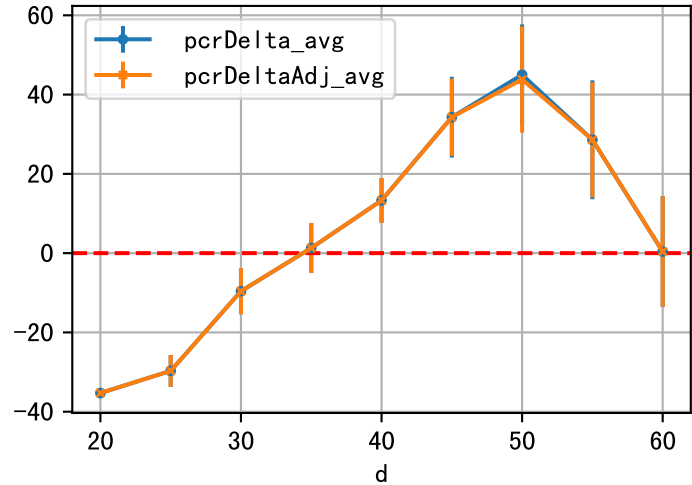
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DeltaTypeAbbr=GrpByDay

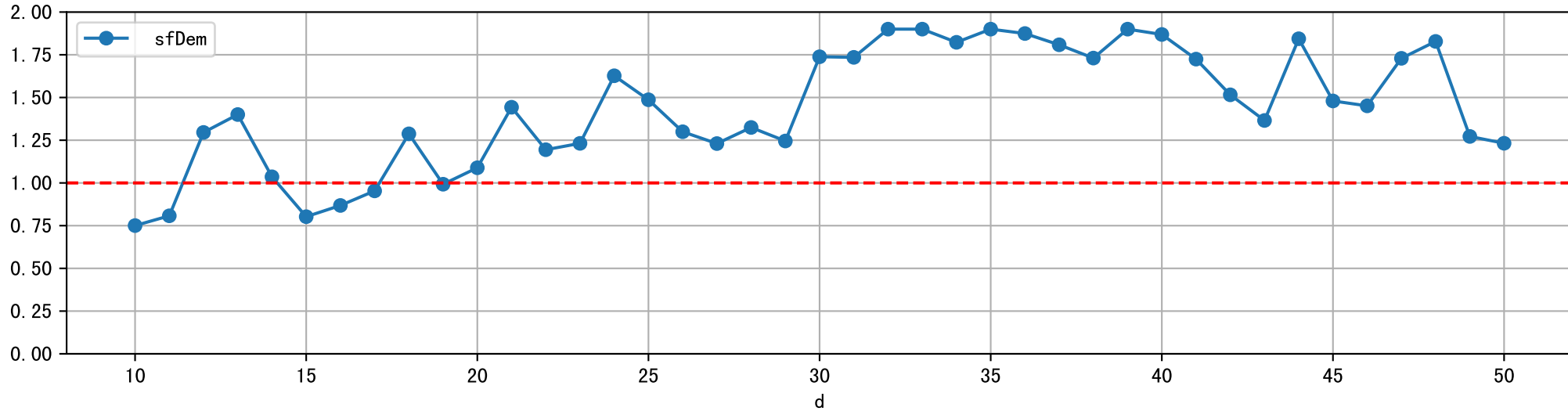
DeltaTypeAbbr=Wei AvgByD

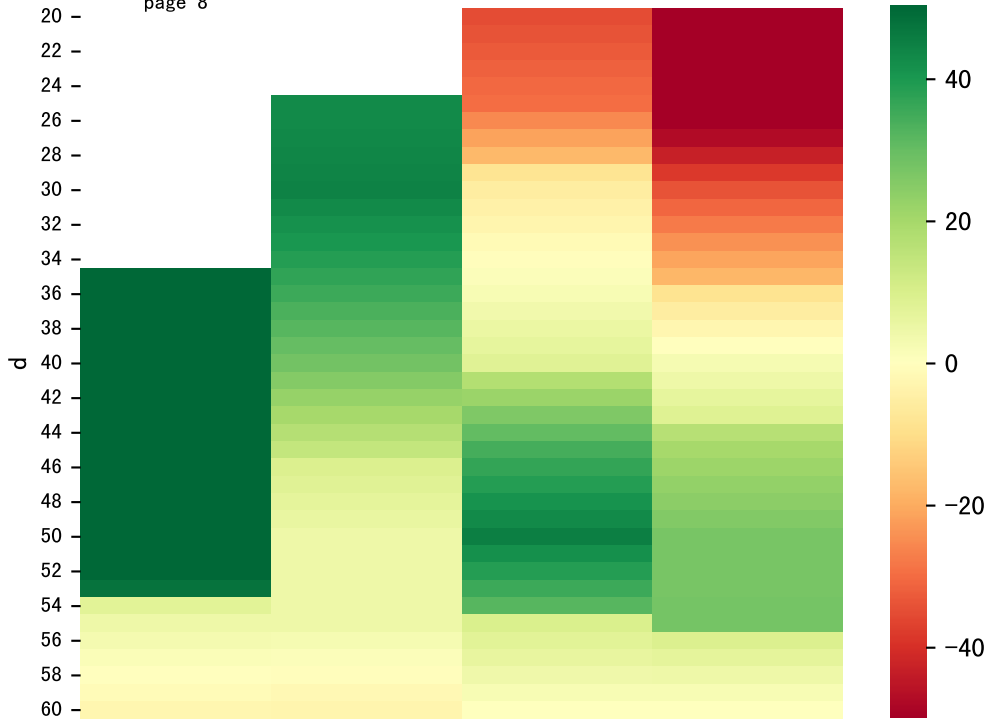


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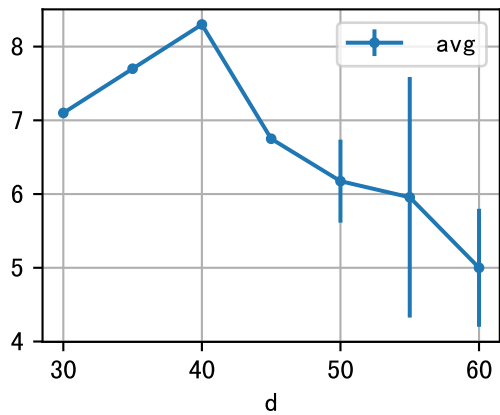
LfA: sfDem



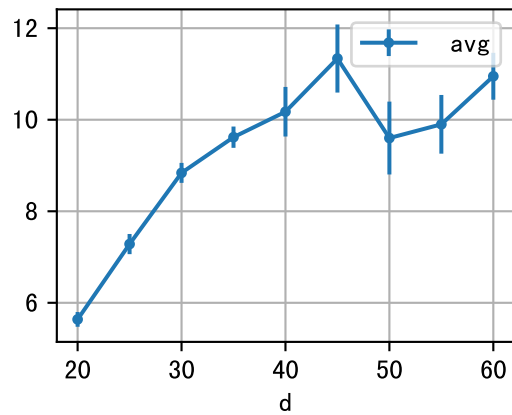


NdD: avg vs. d at each age group

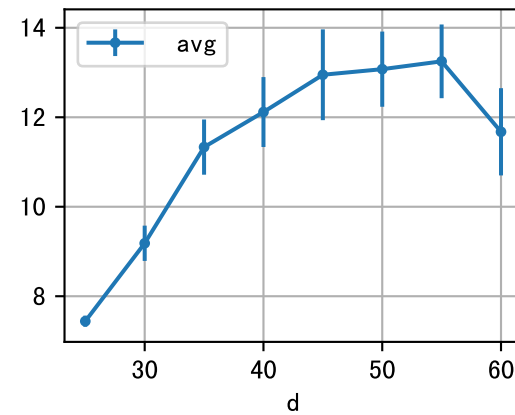
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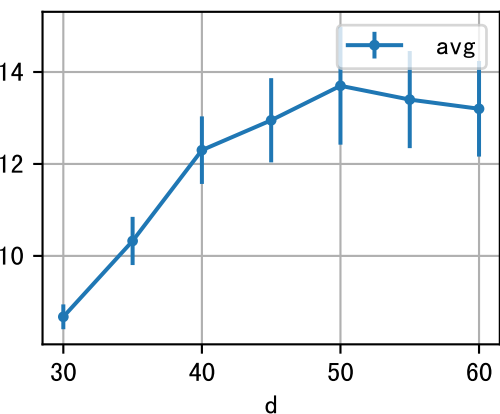
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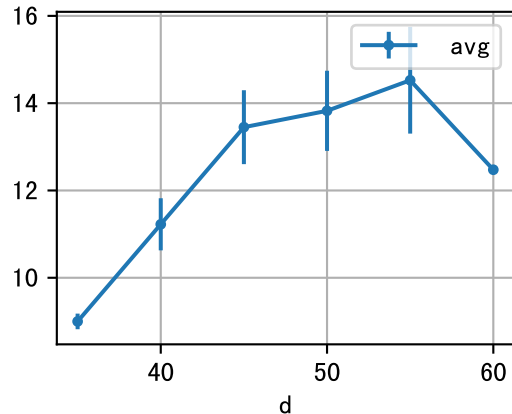
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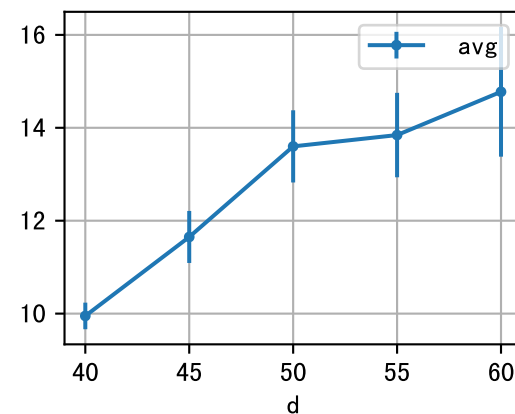
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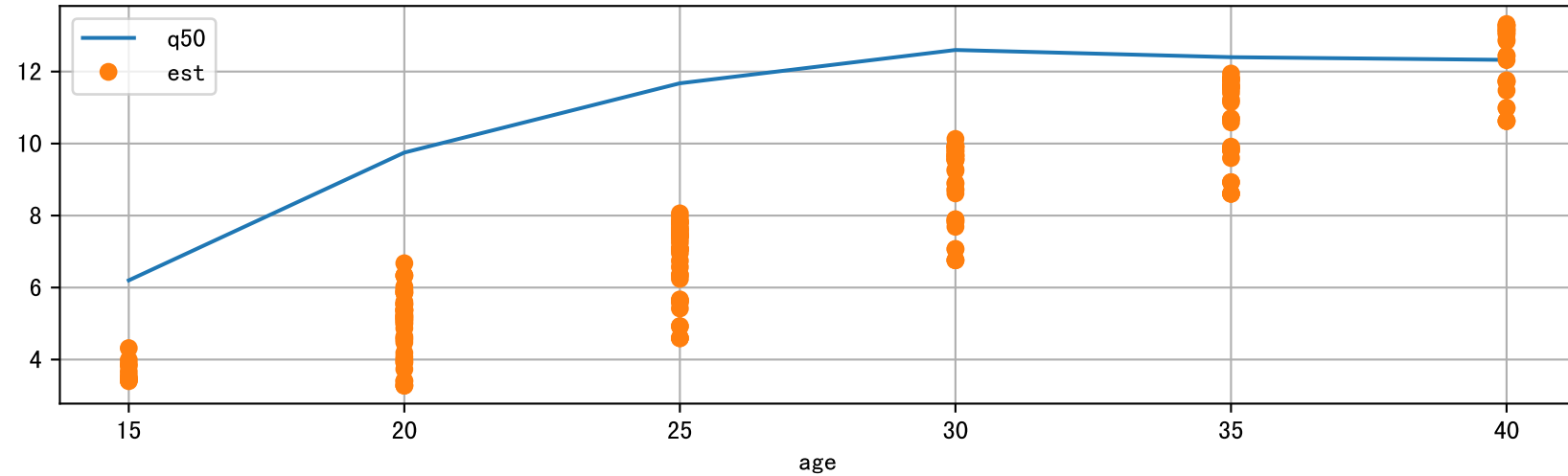
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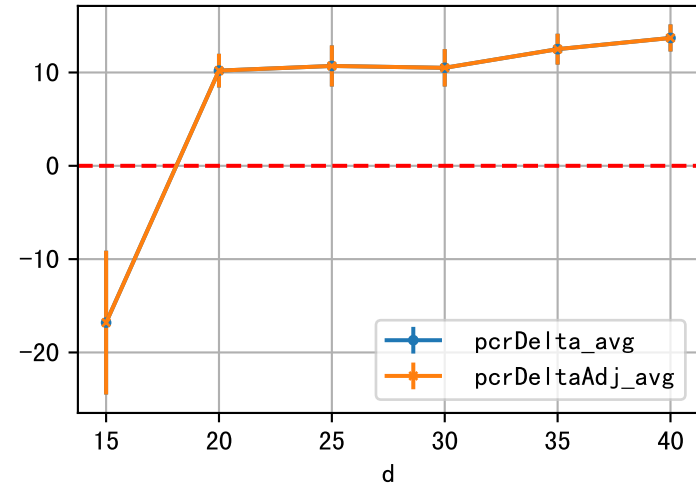
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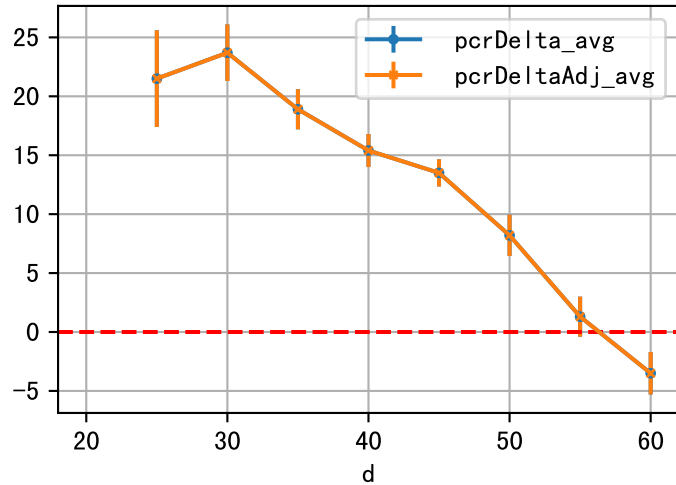
NdD: model est vs obs0v@Q50



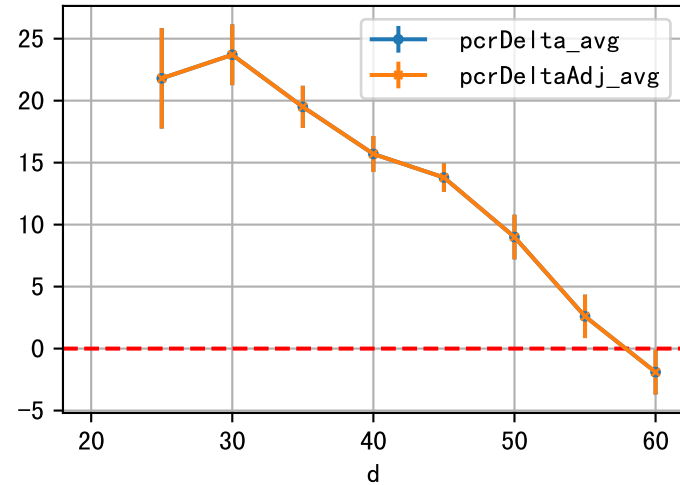
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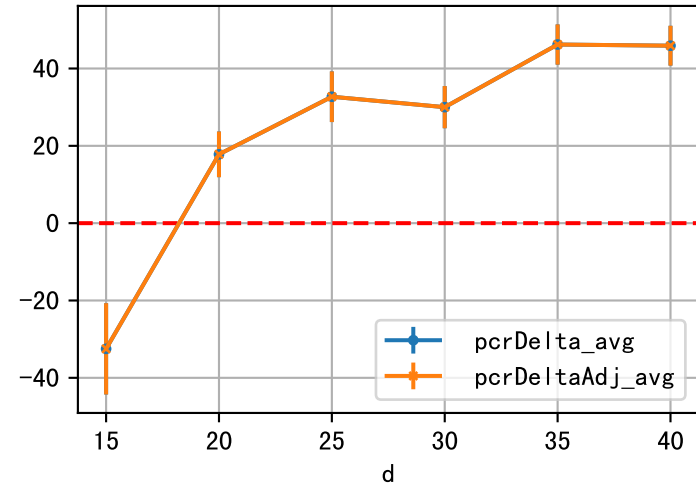
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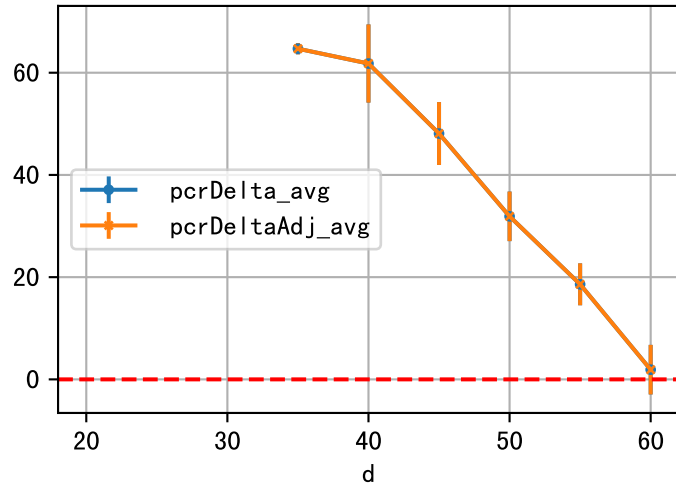
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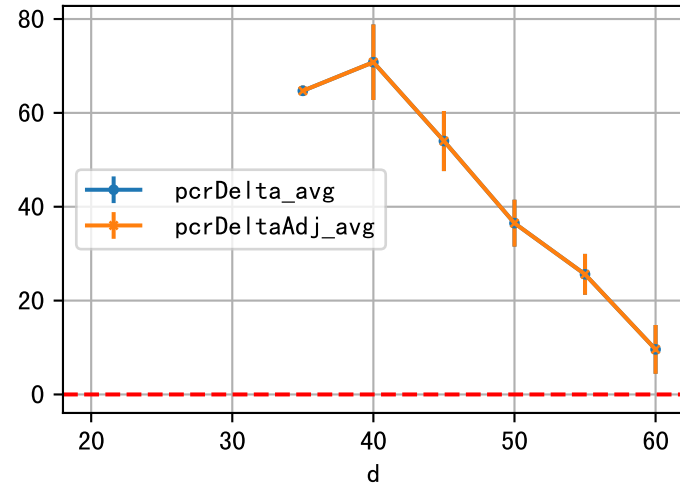
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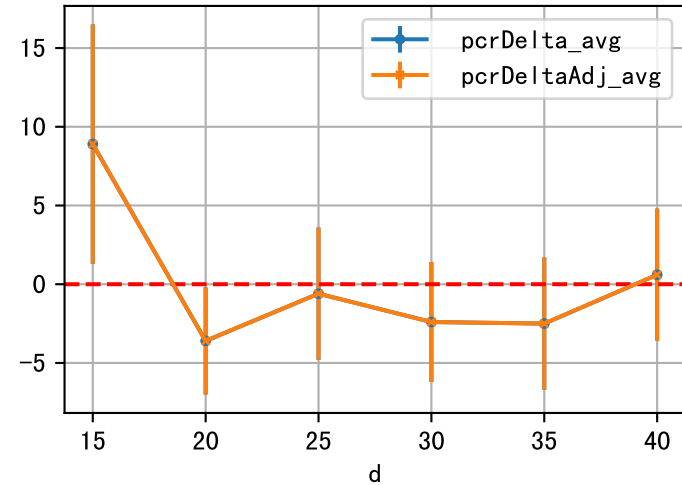
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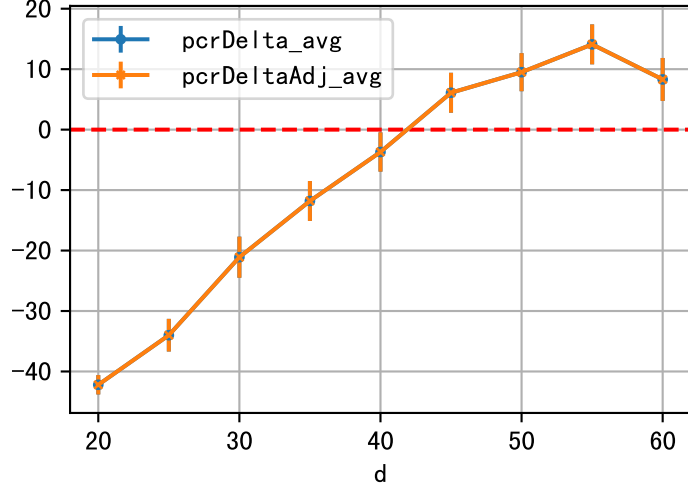
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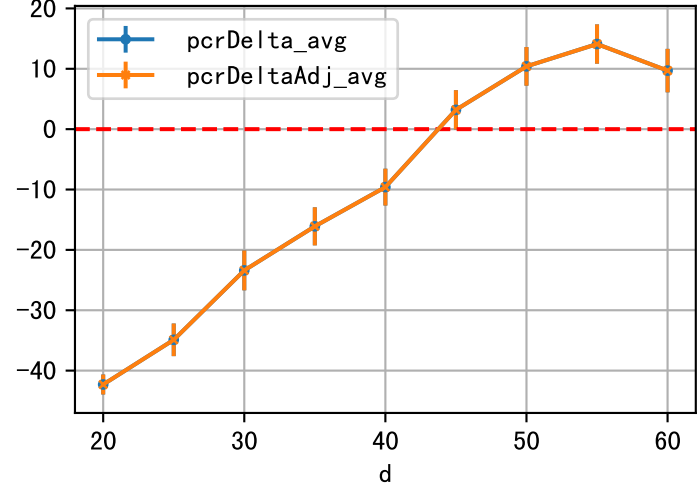


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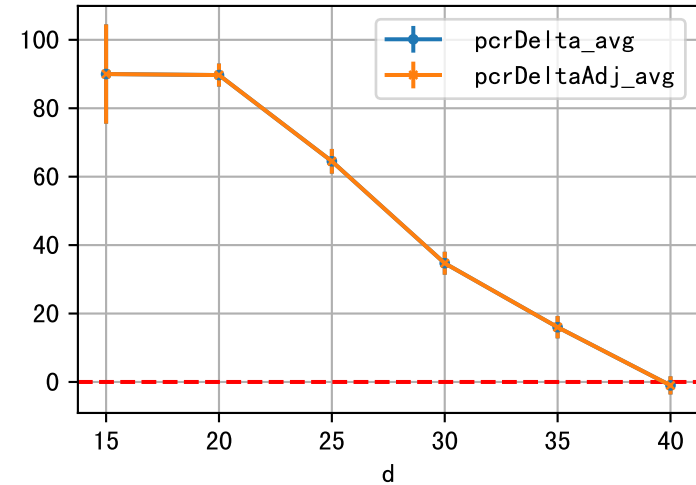


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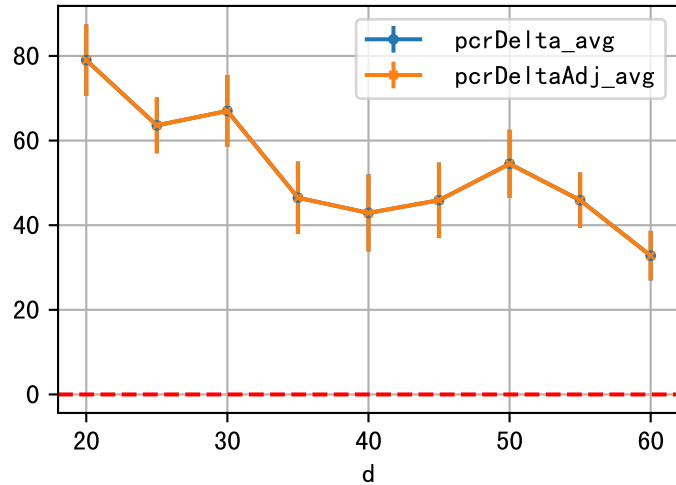
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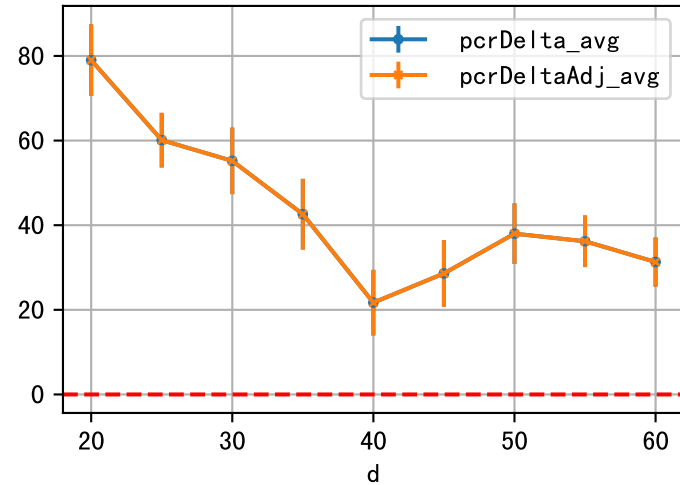
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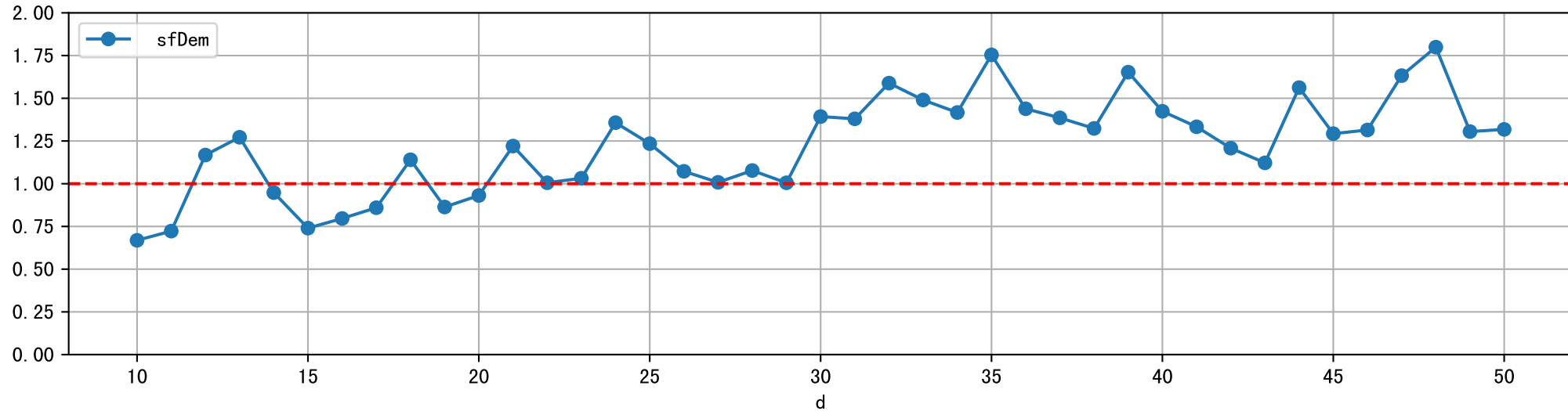
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DeltaTypeAbbr=Wei AvgByD



NdD: sfDem



22 -

24 -

26 -

28 -

30 -

32 -

34 -

36 —

39

40

42

44

46

10

50

—

100

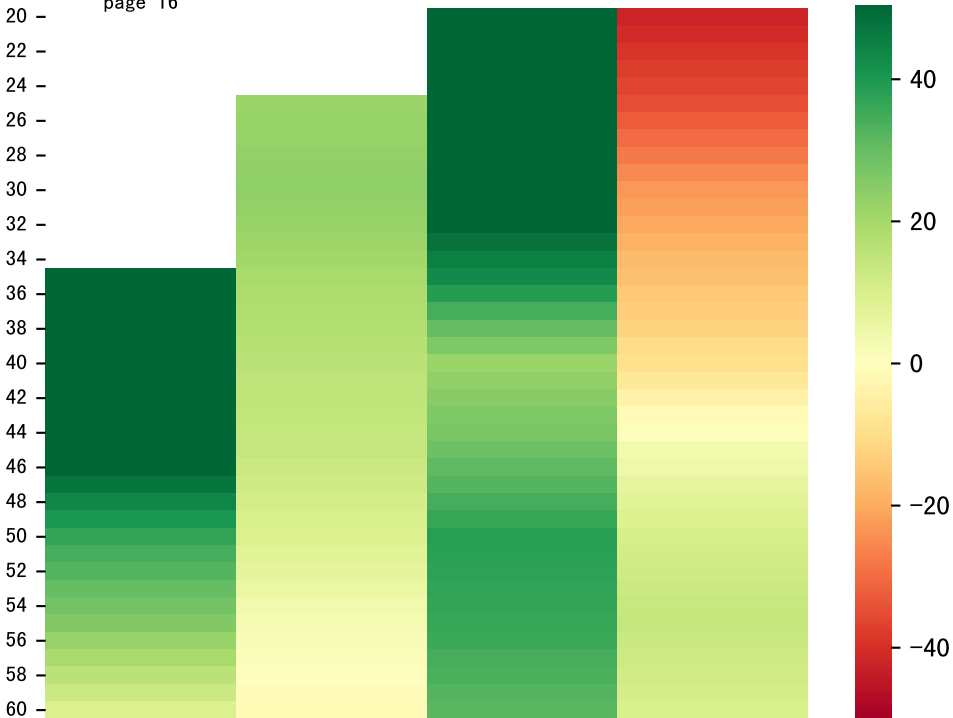
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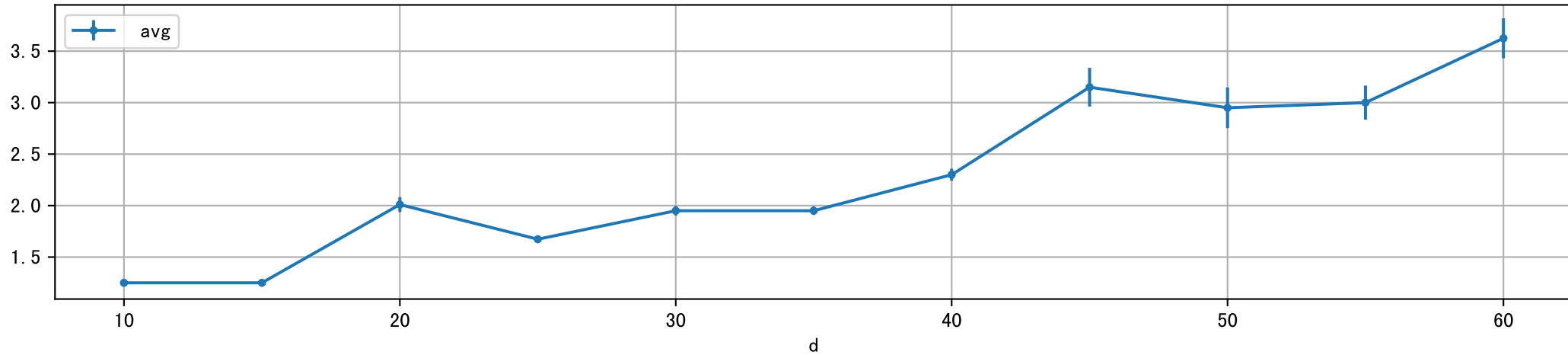
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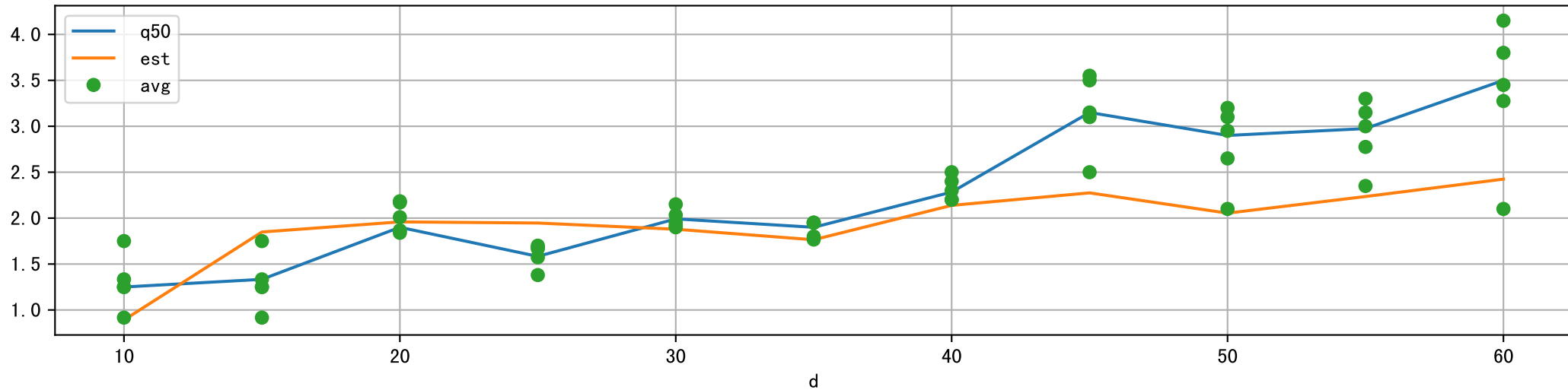
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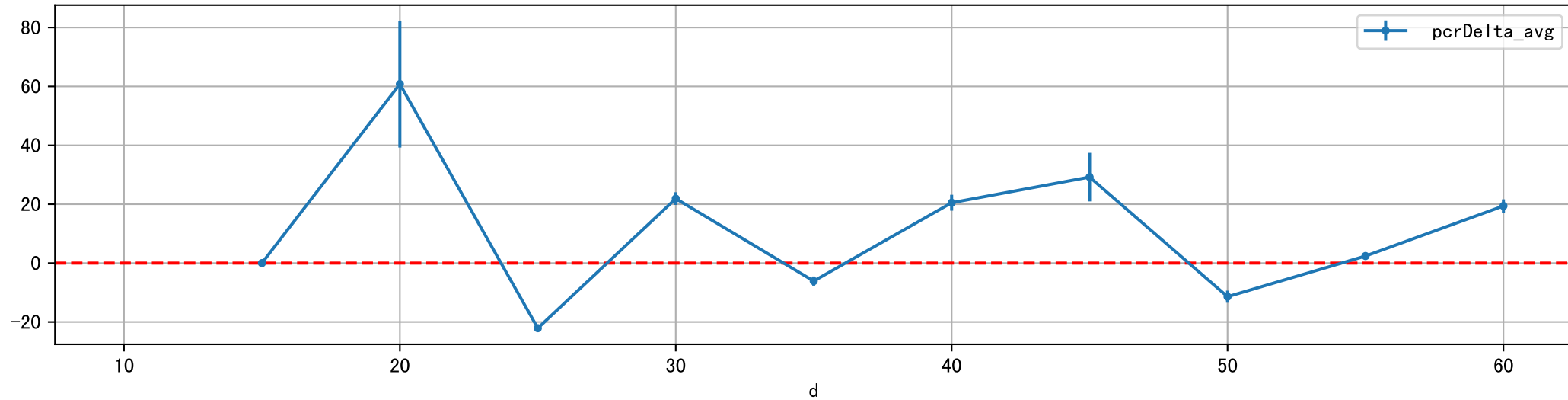
dStH: avg vs. d



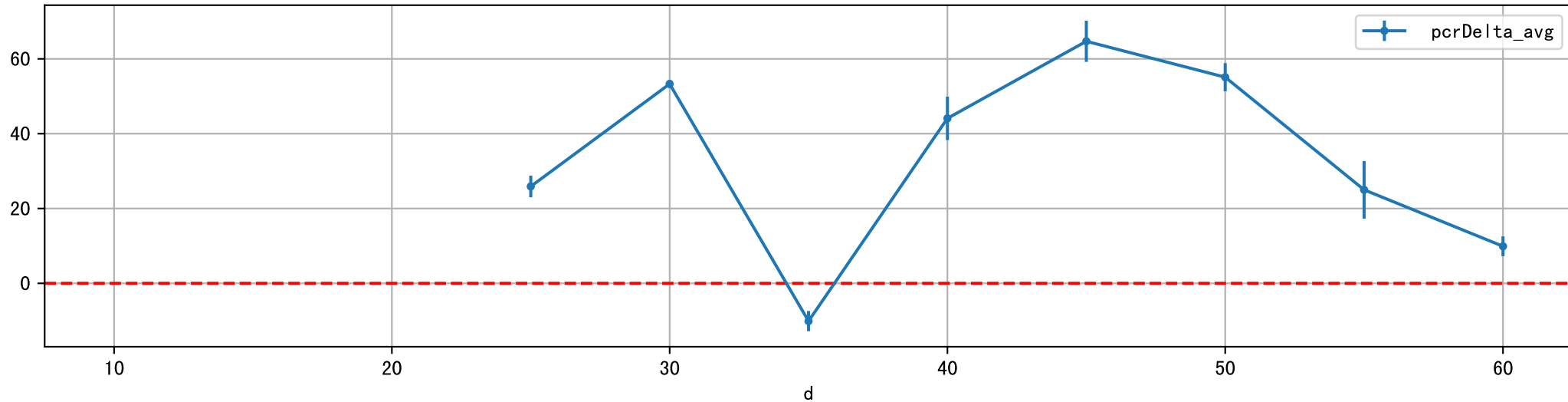
dStH: obsAvg vs obs0v@Q50



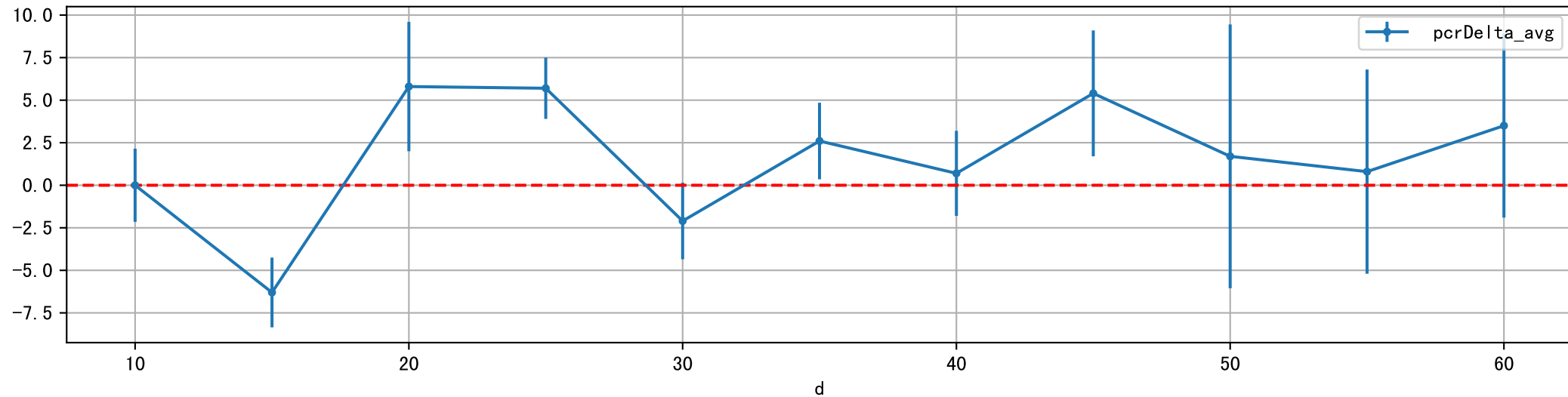
dStH: D_5d_StH



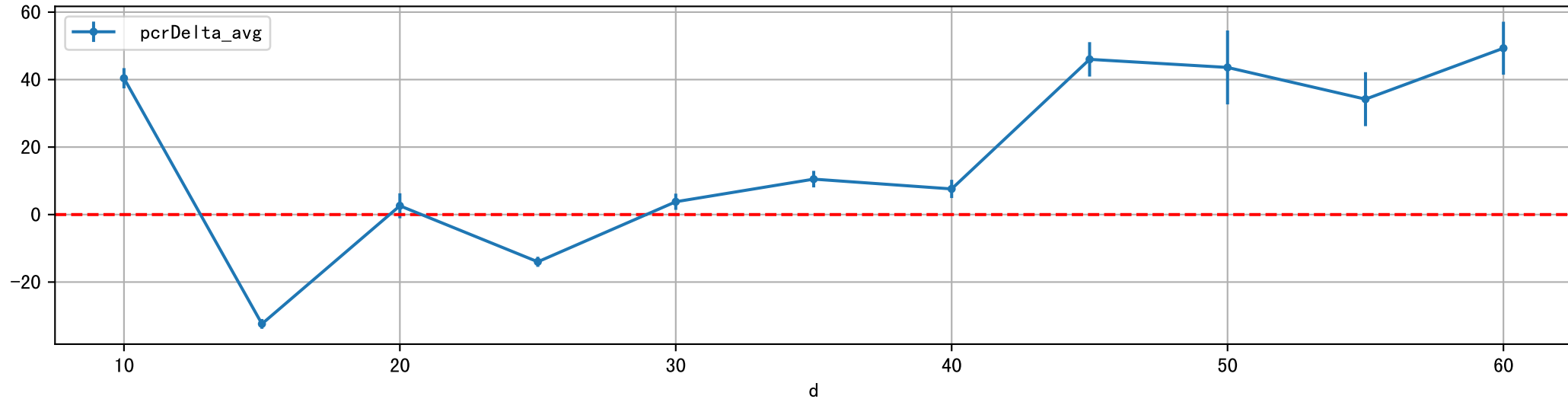
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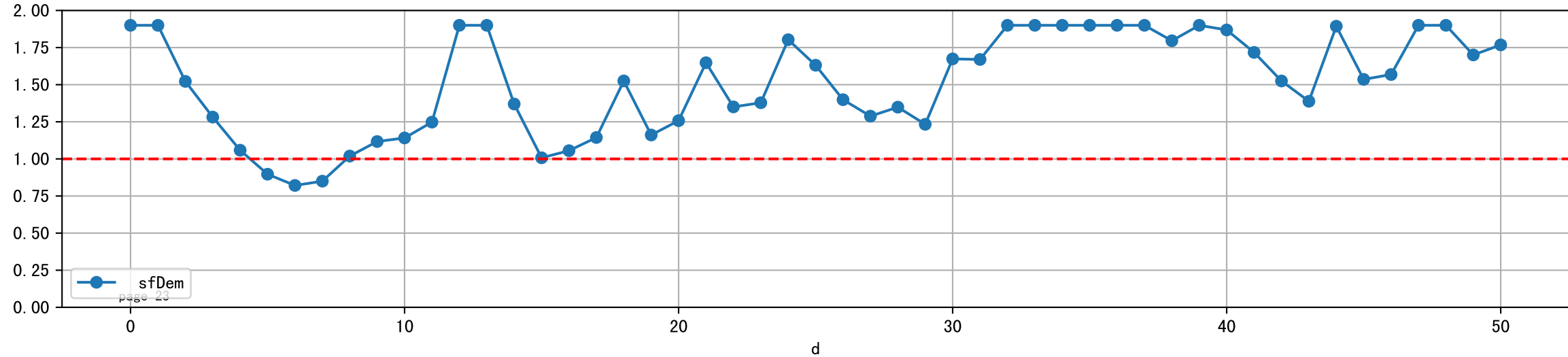
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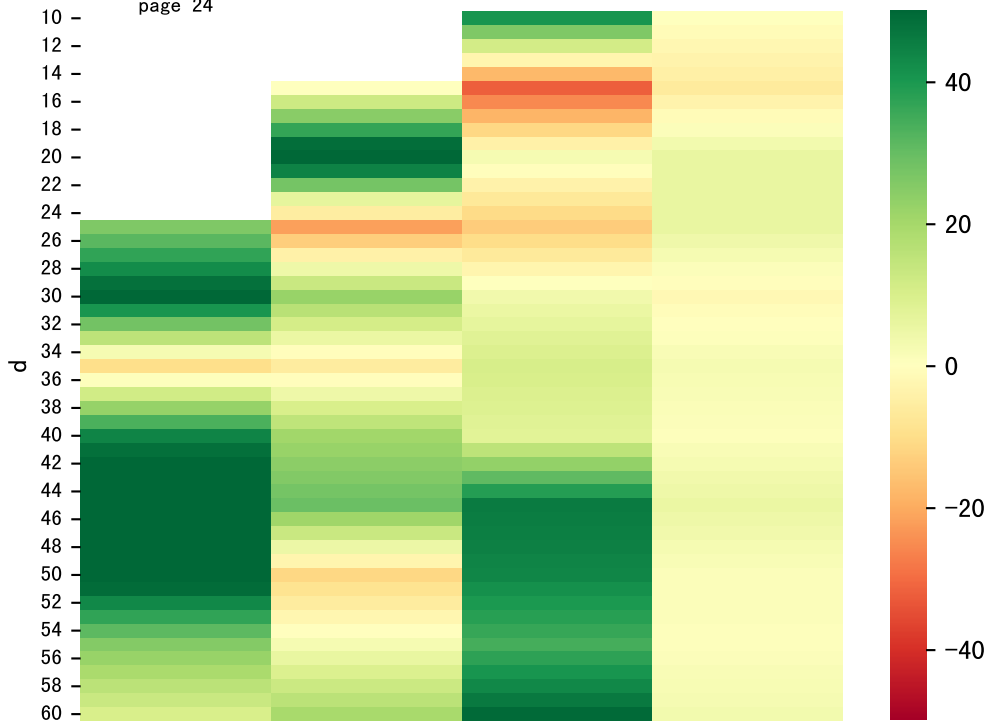


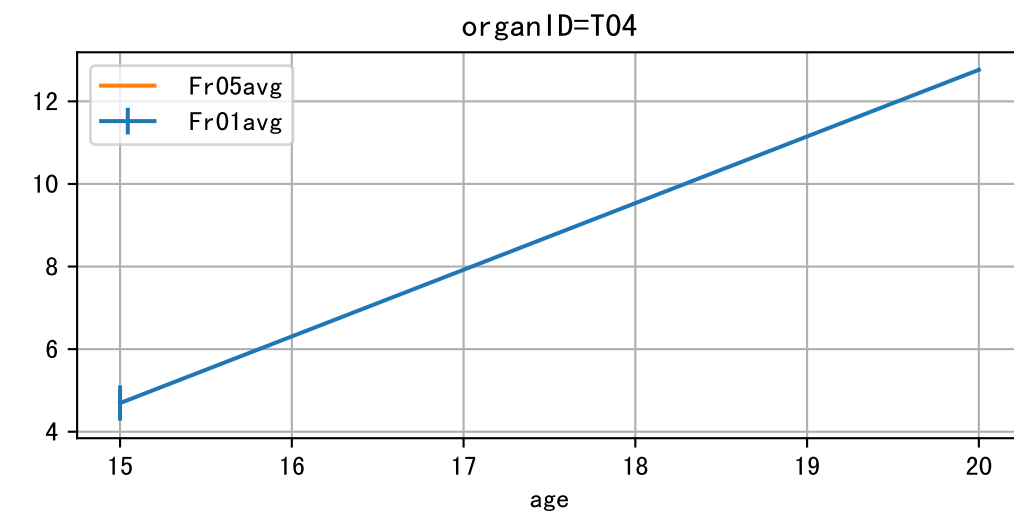
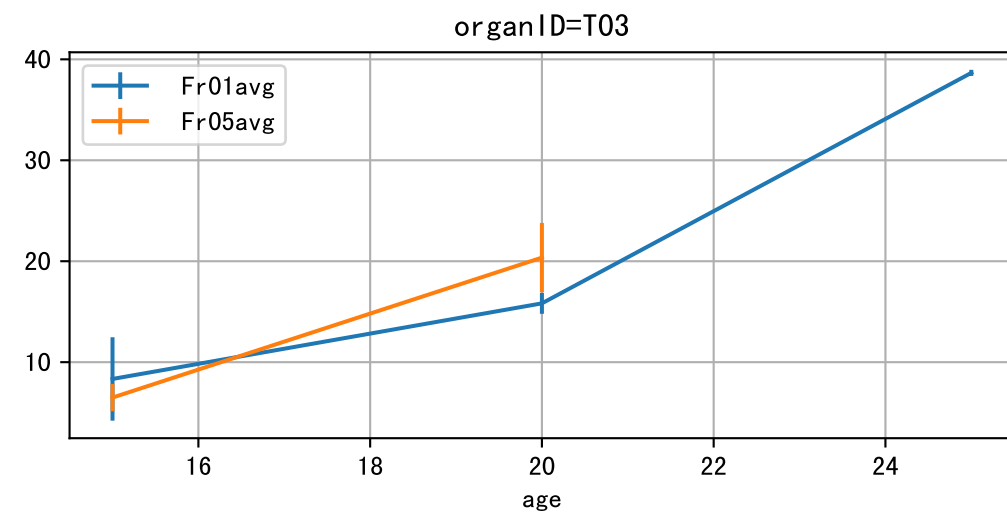
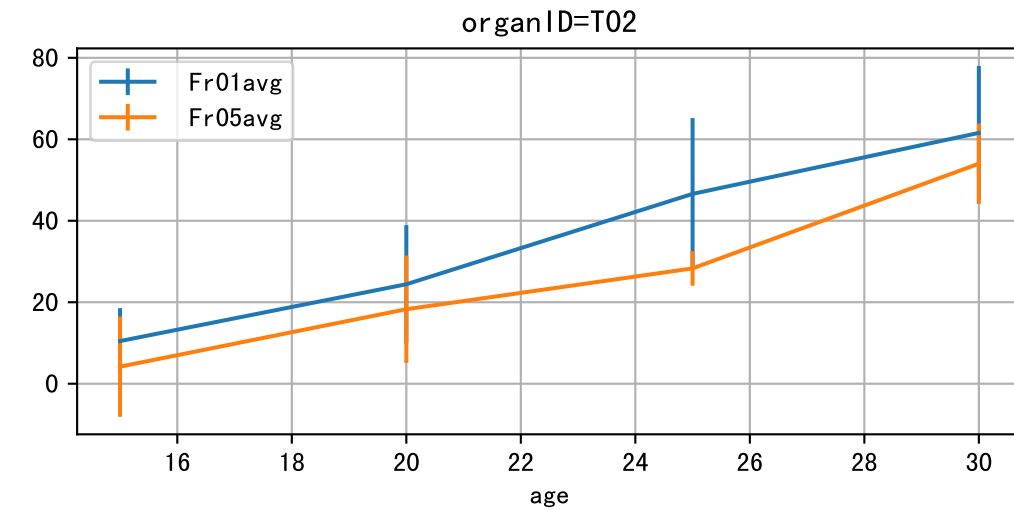
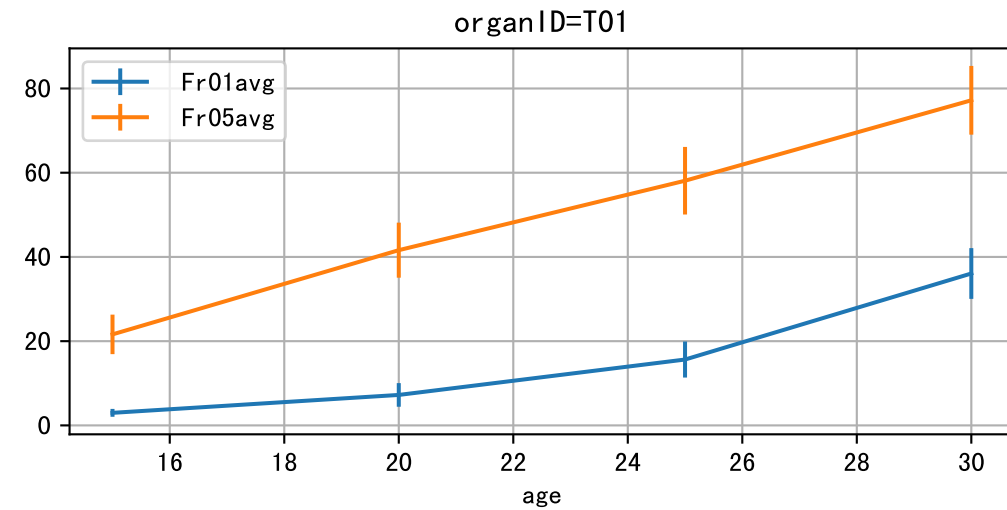
dStH: D_Est_StH



dStH: sfDem

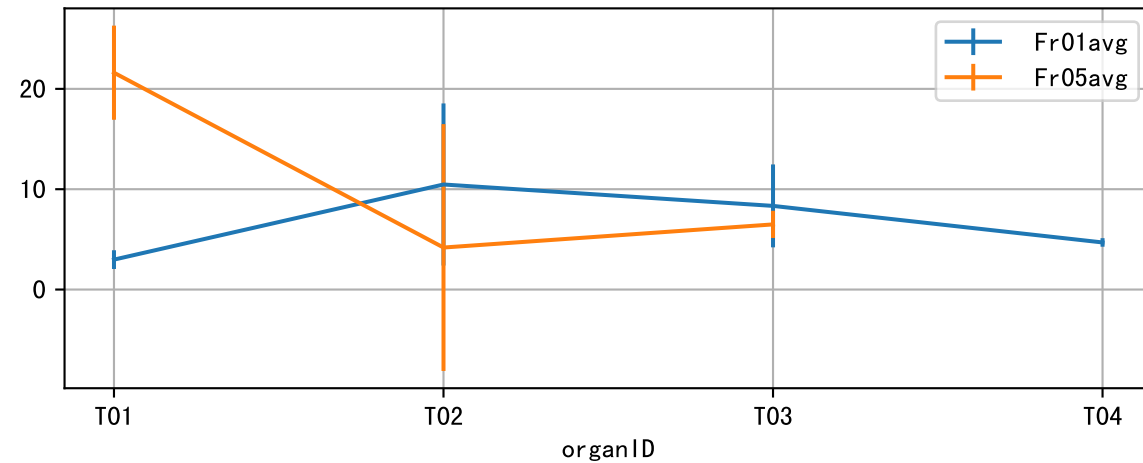




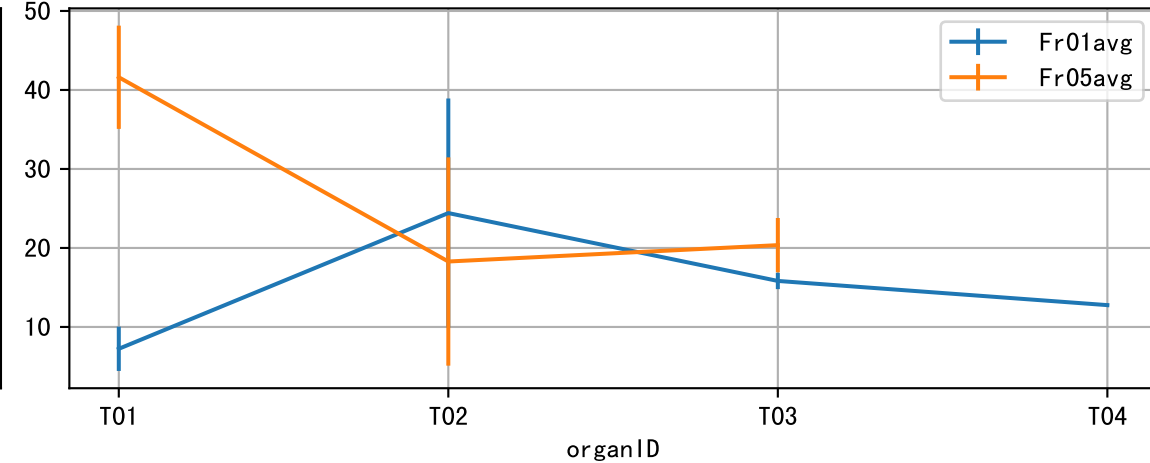


FrV trend at each age

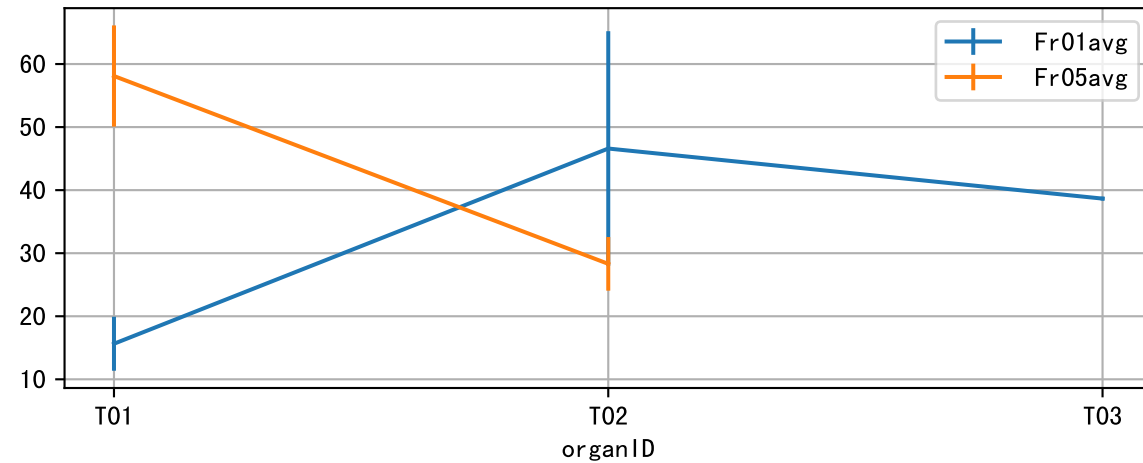
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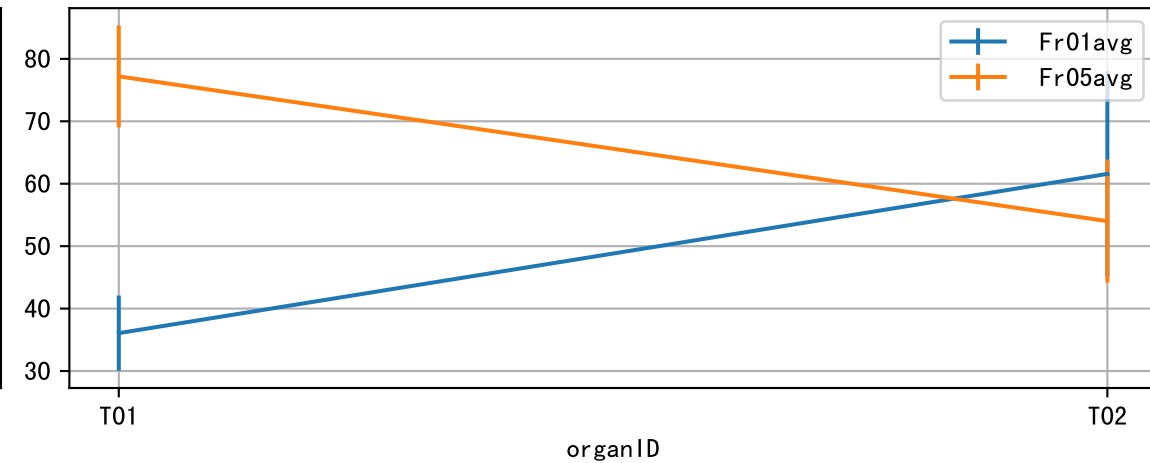
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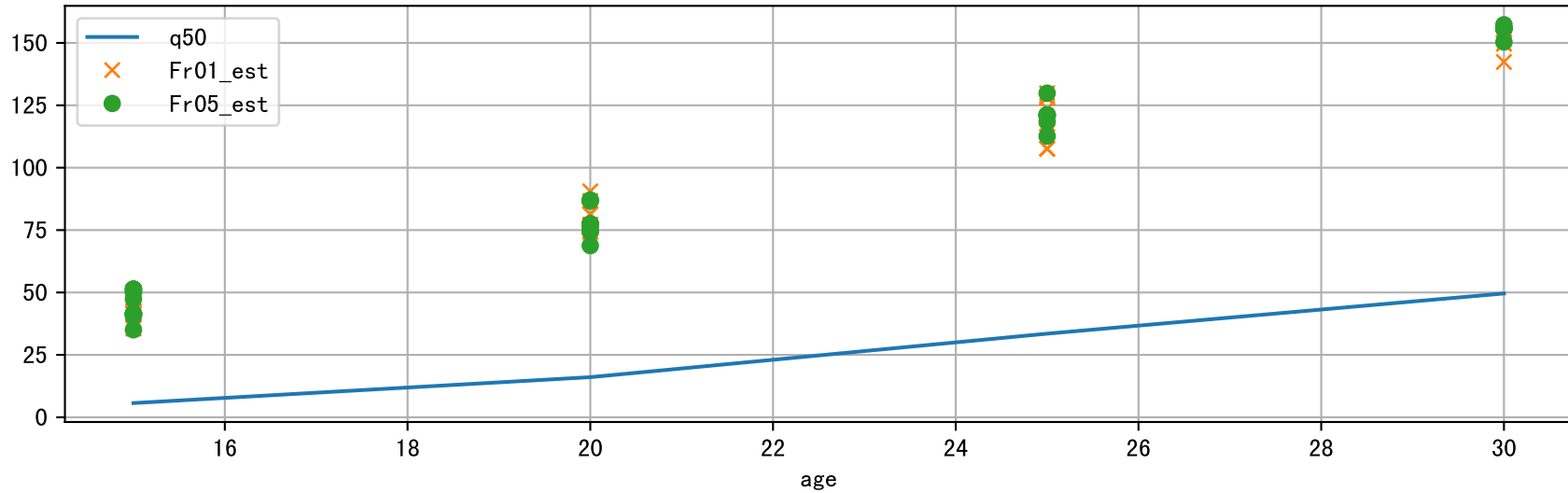
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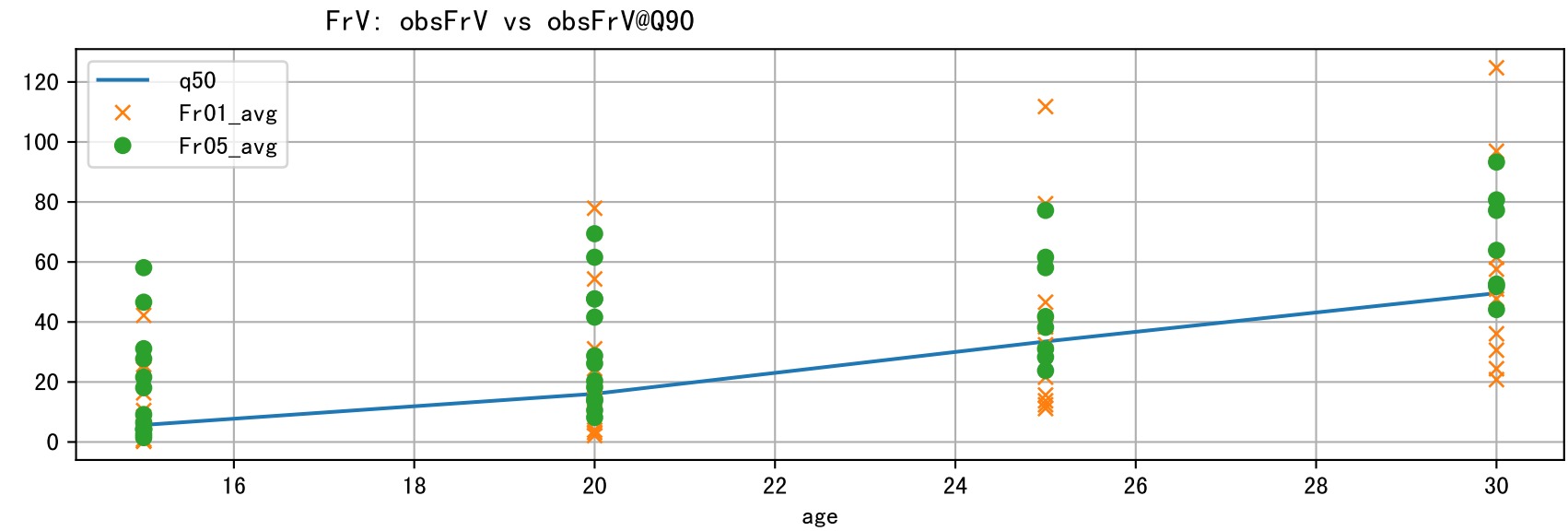


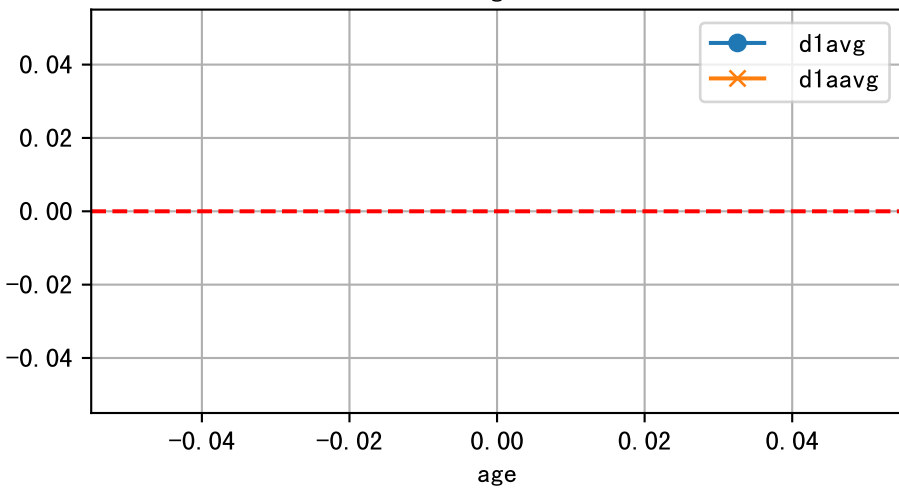
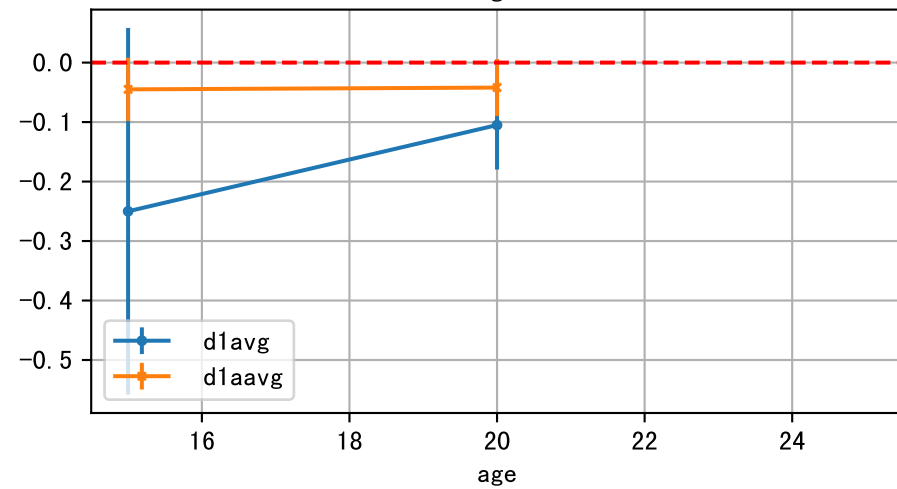
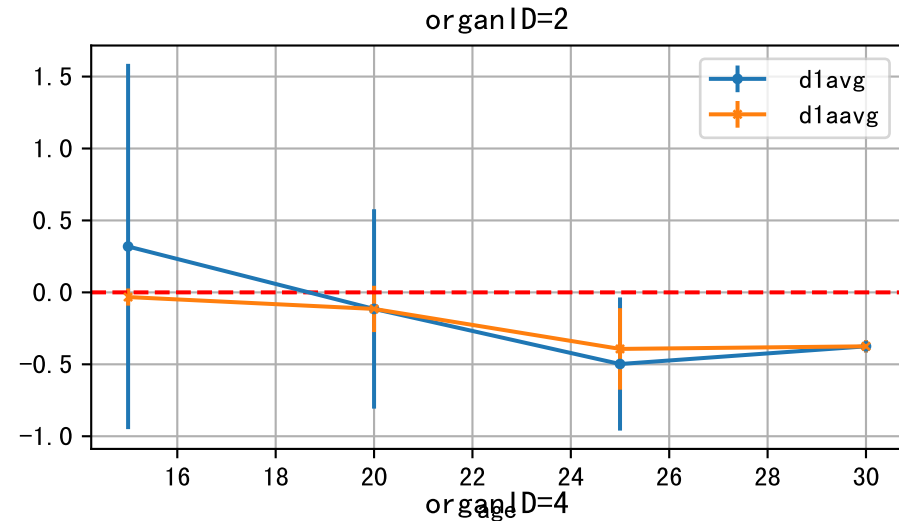
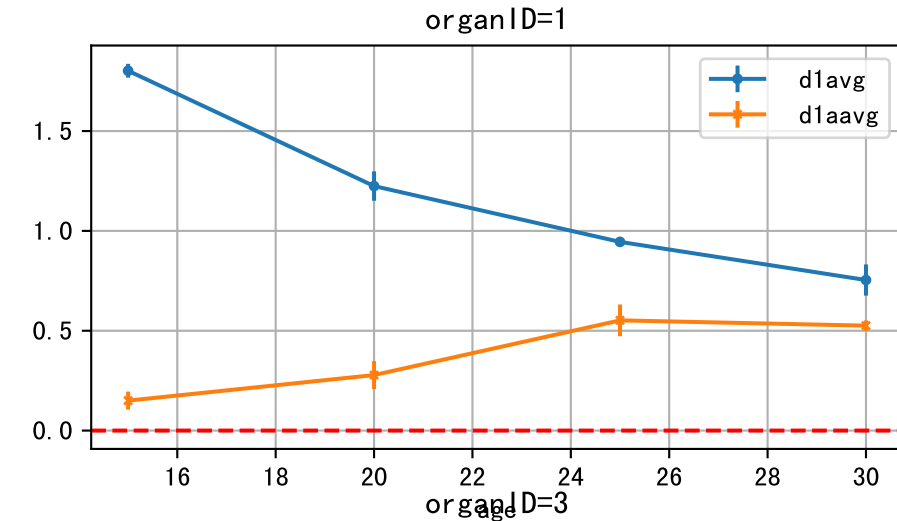
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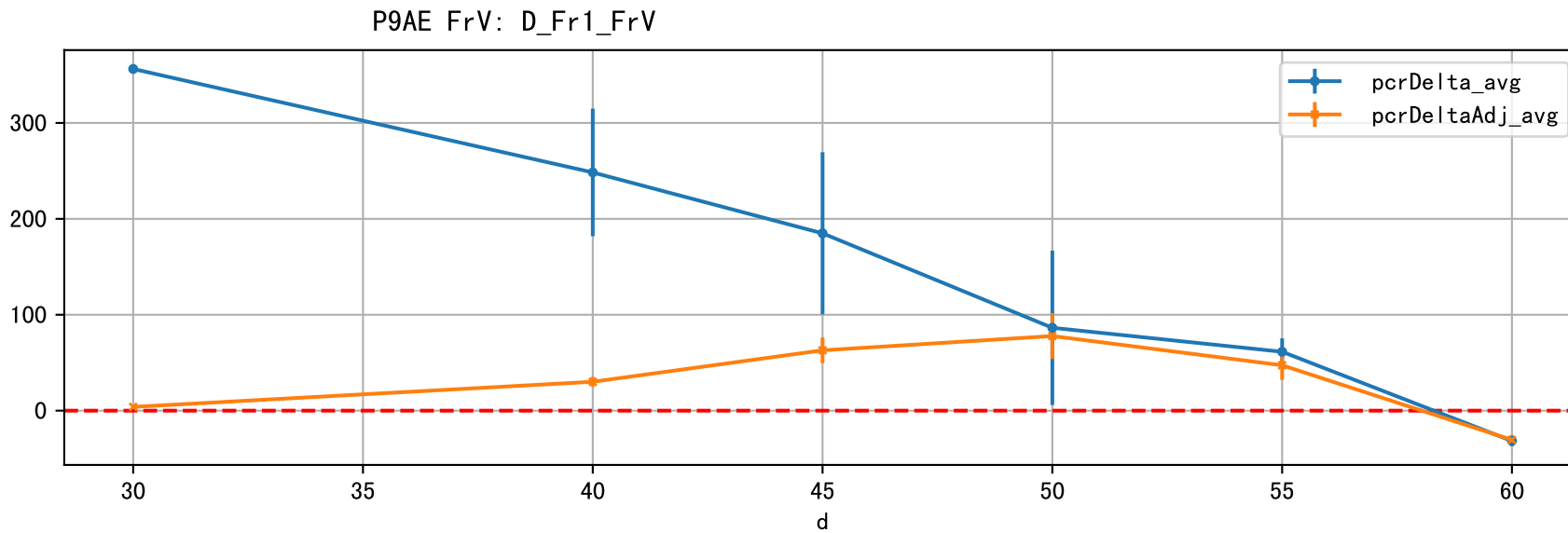


FrV: model Est vs obsFrV at Q90

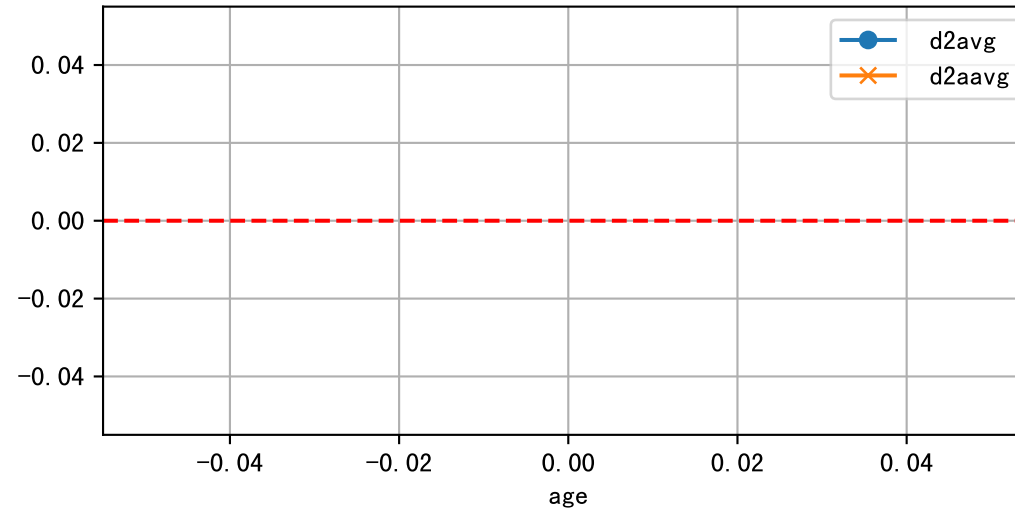




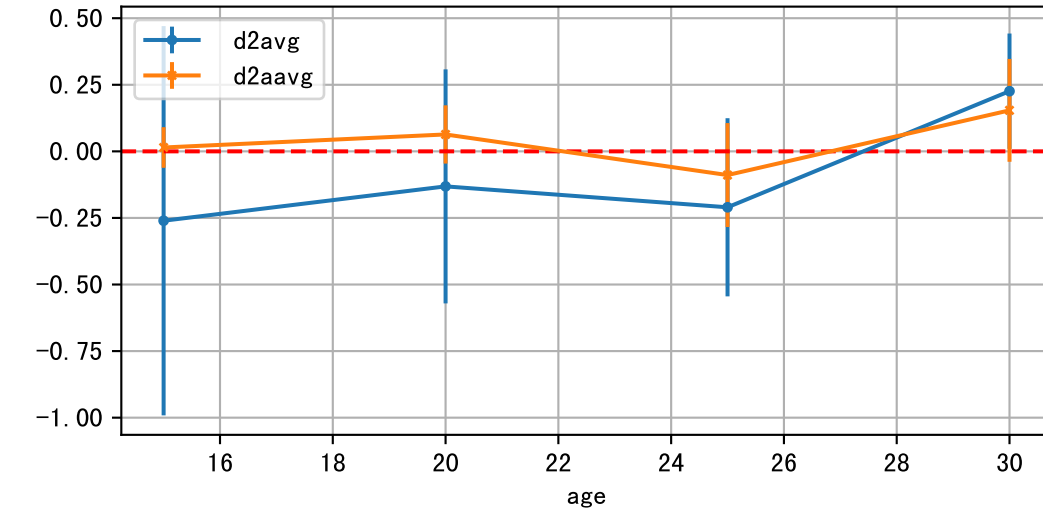




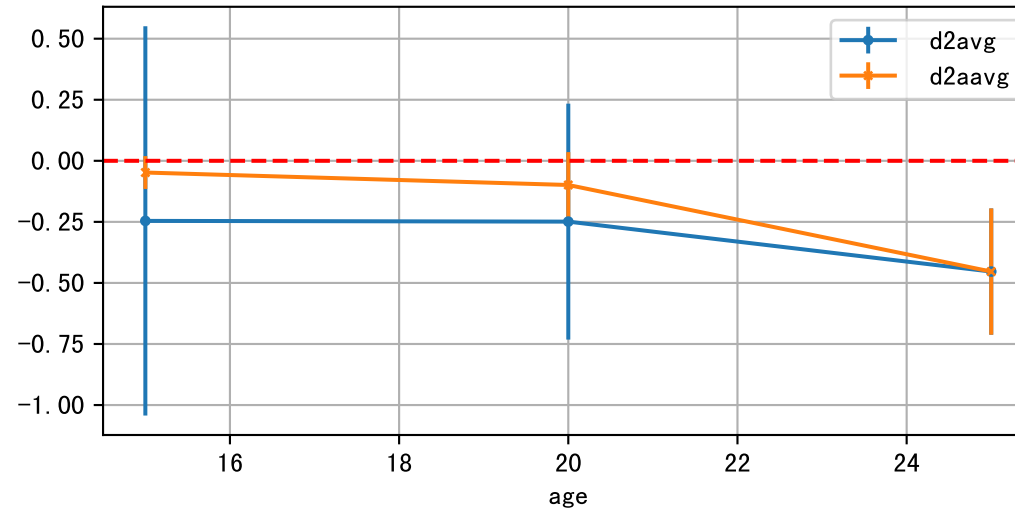
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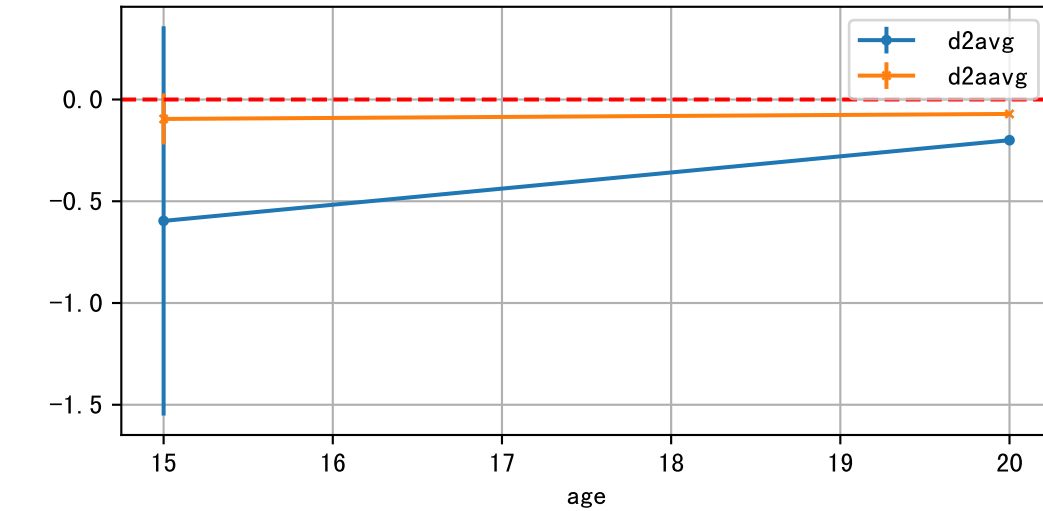
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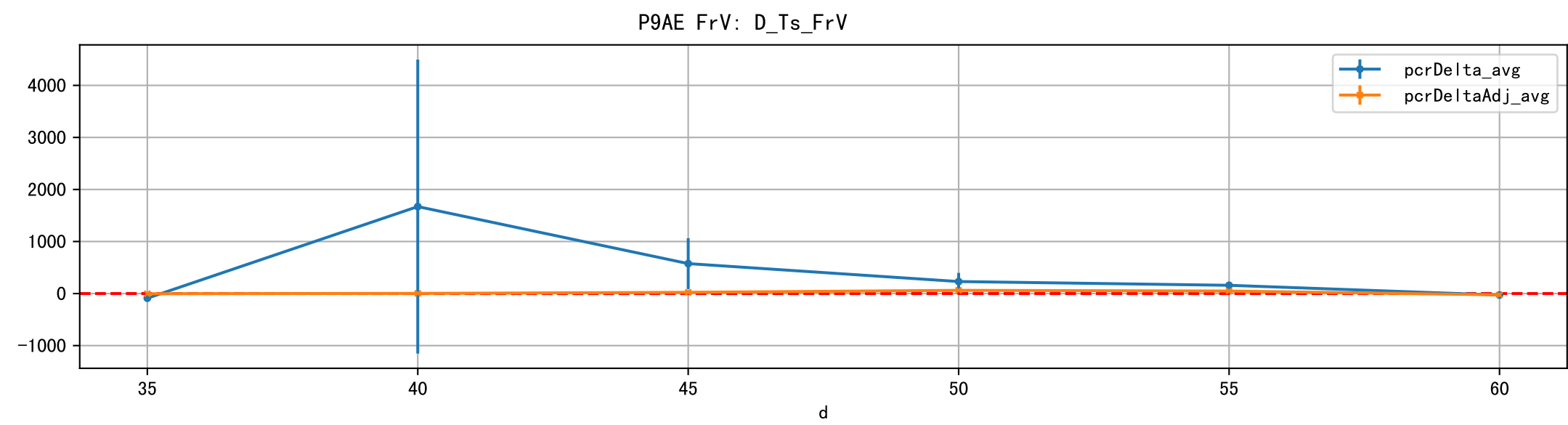


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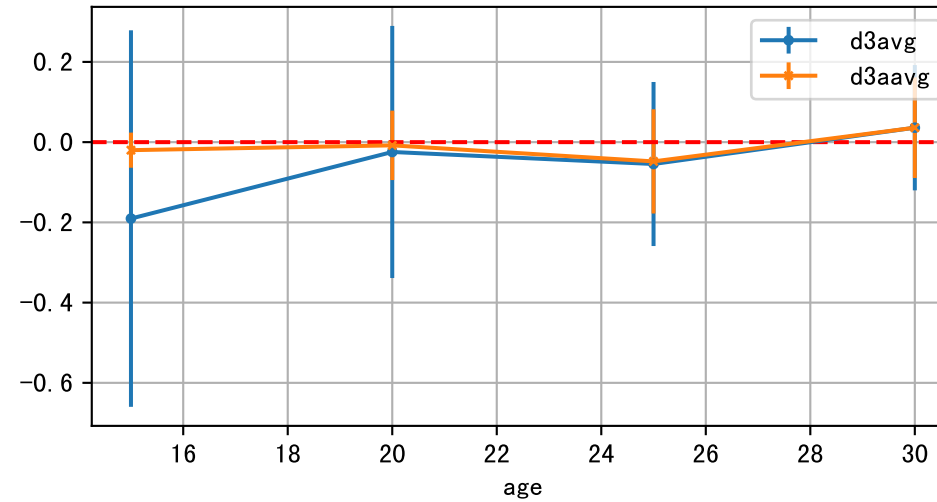


organID=4

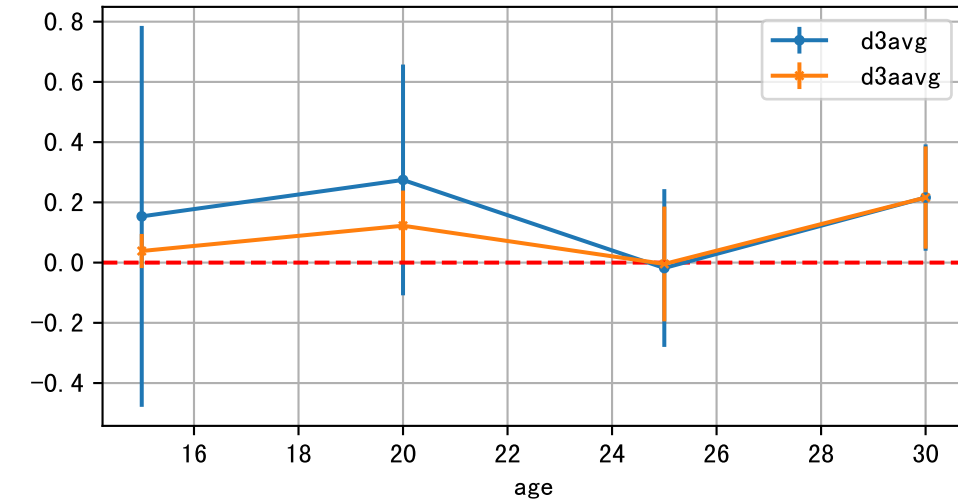




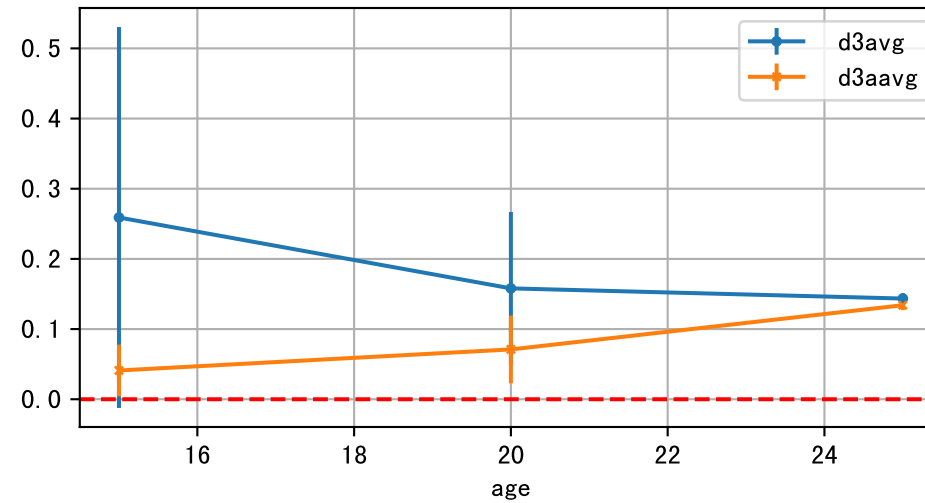
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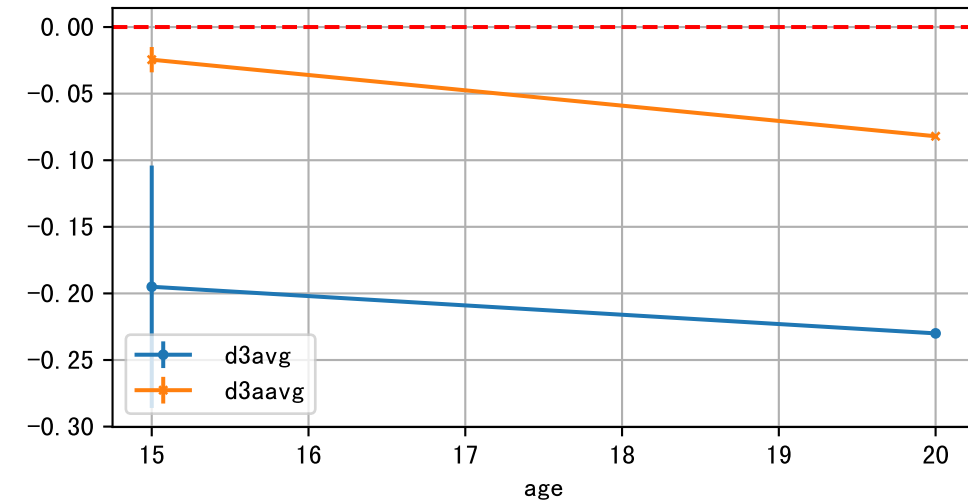
organID=2

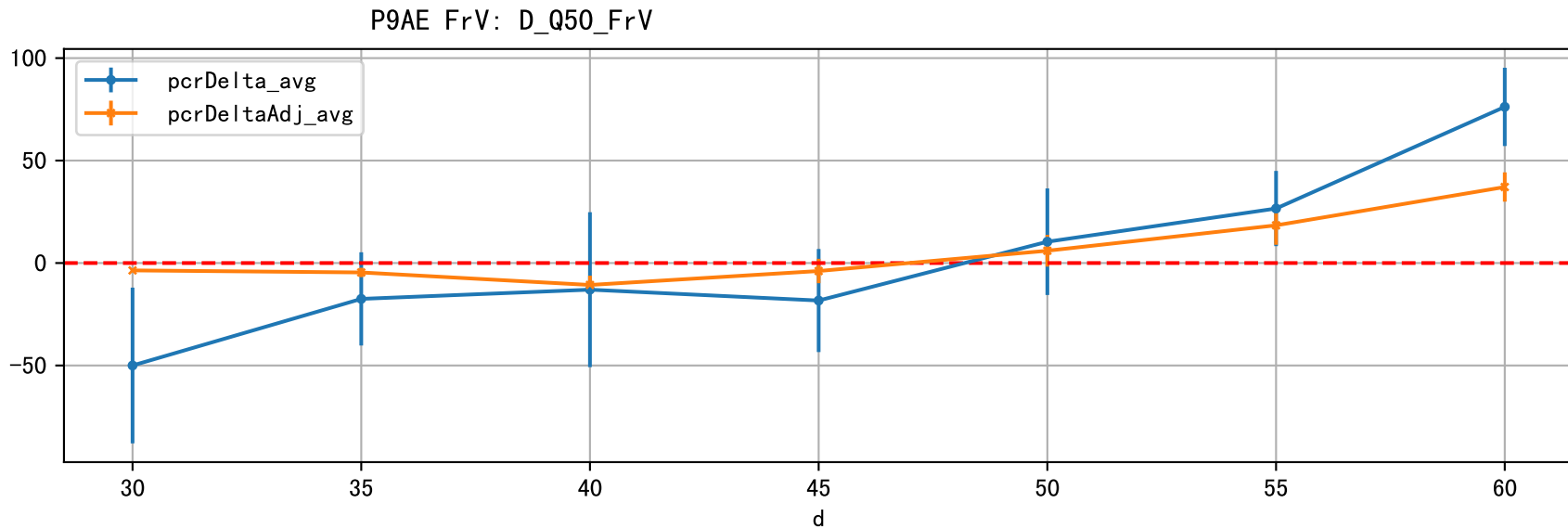


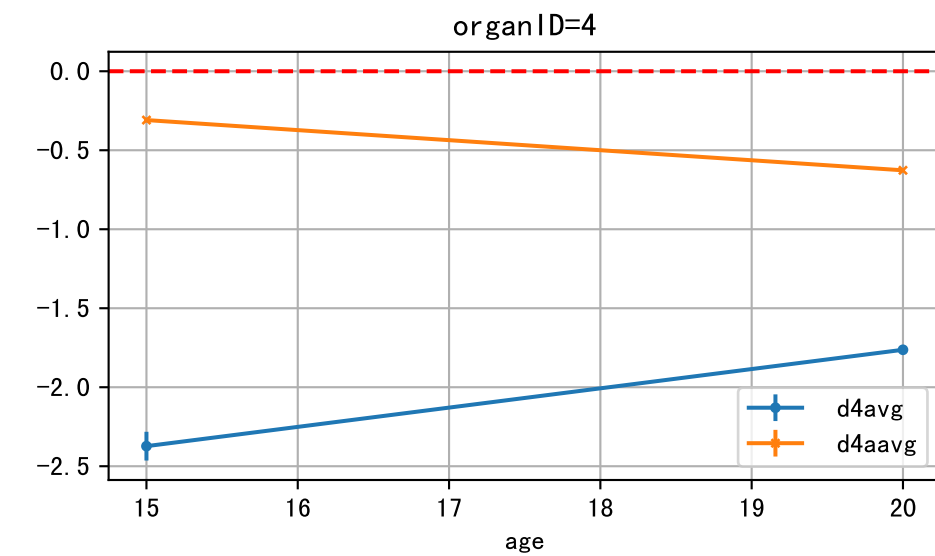
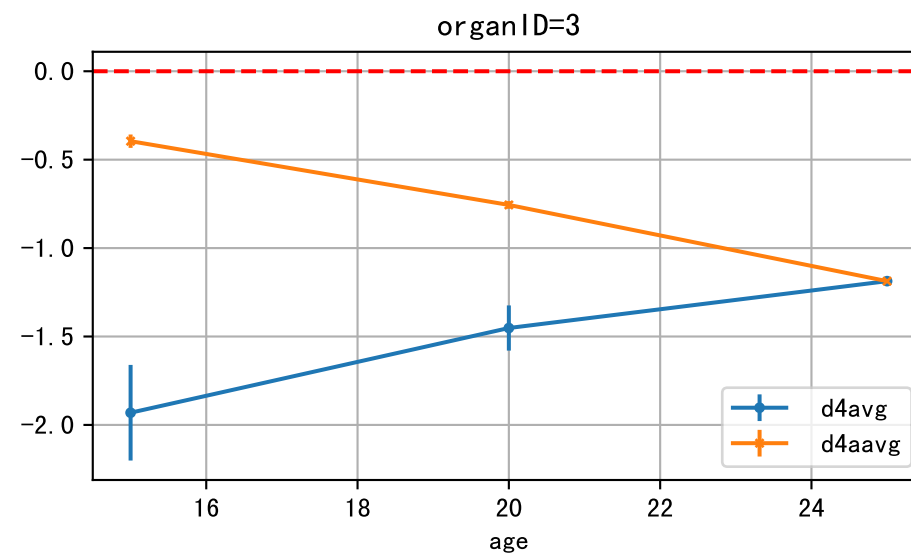
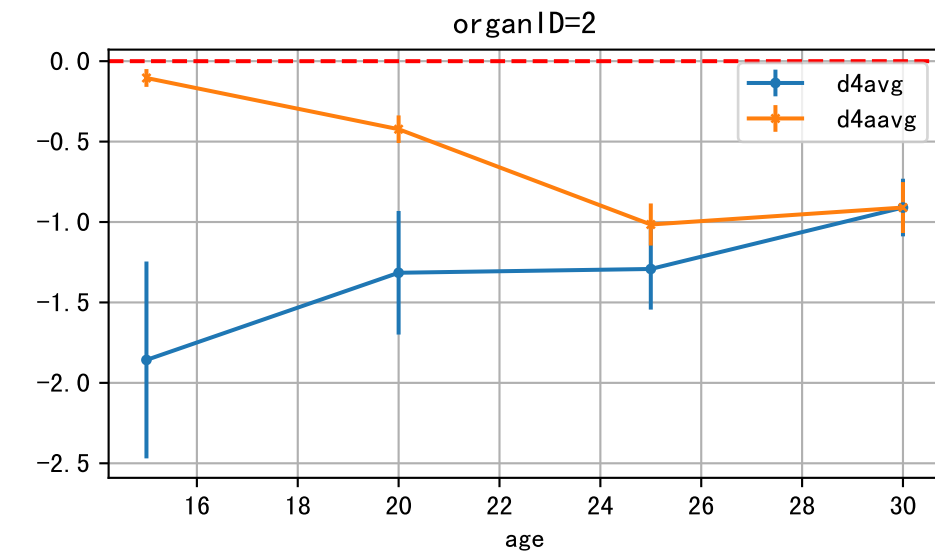
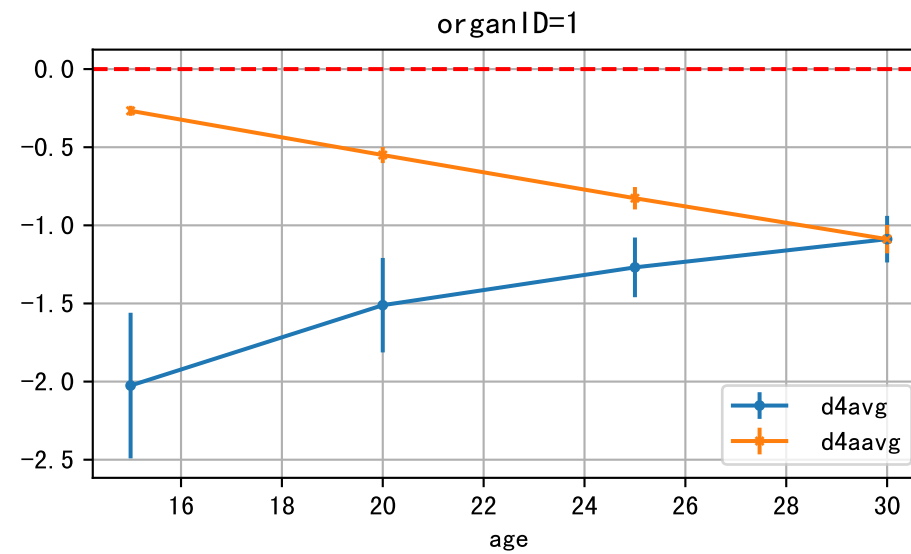
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organID=4







P9AE FrV: D_Est_FrV

