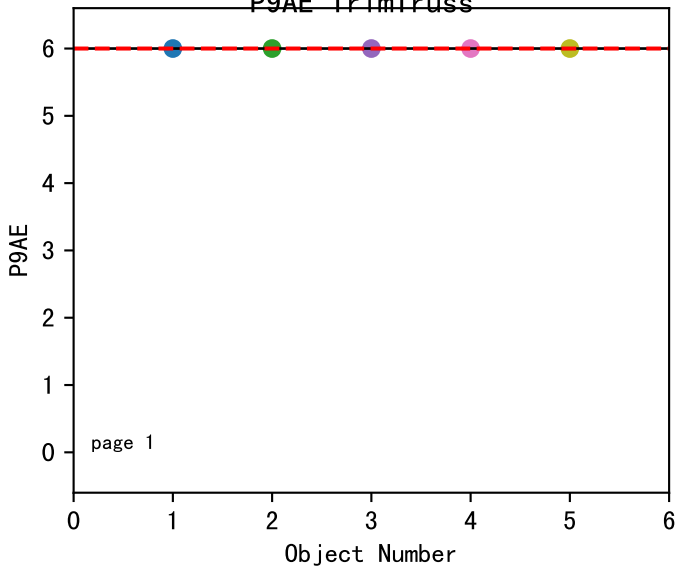


Phenotype Data Analysis Plots
PhenoData day range = 10 – 66
Analysis cutoff day = 66
NC11 P9
2025-06-06 (Day 67)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

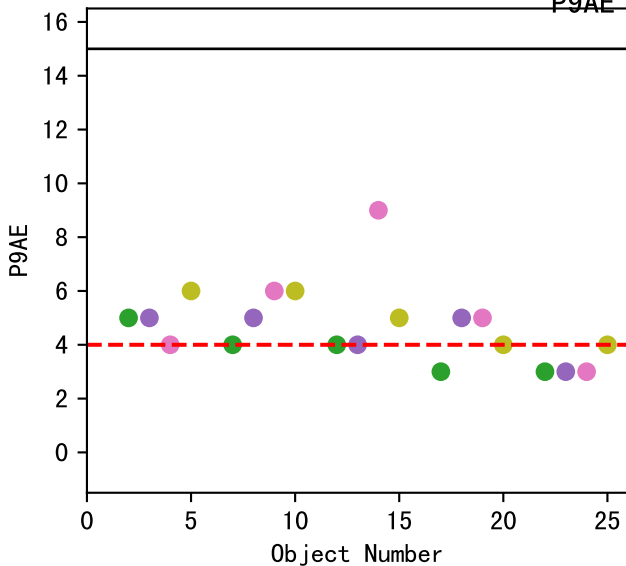
P9AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

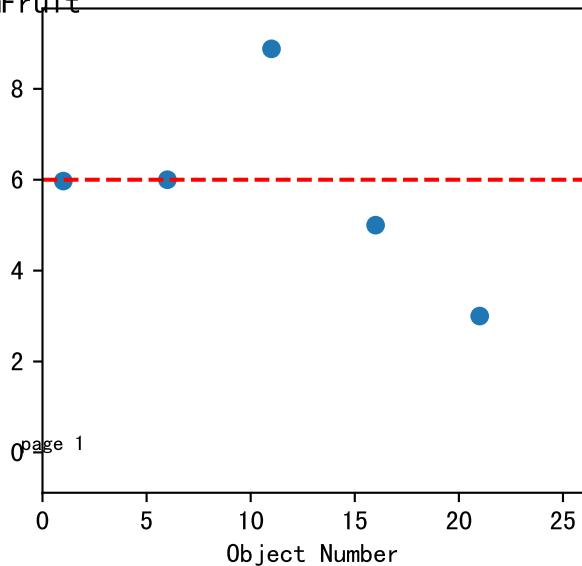
avg1=4.0~25% avg2=na

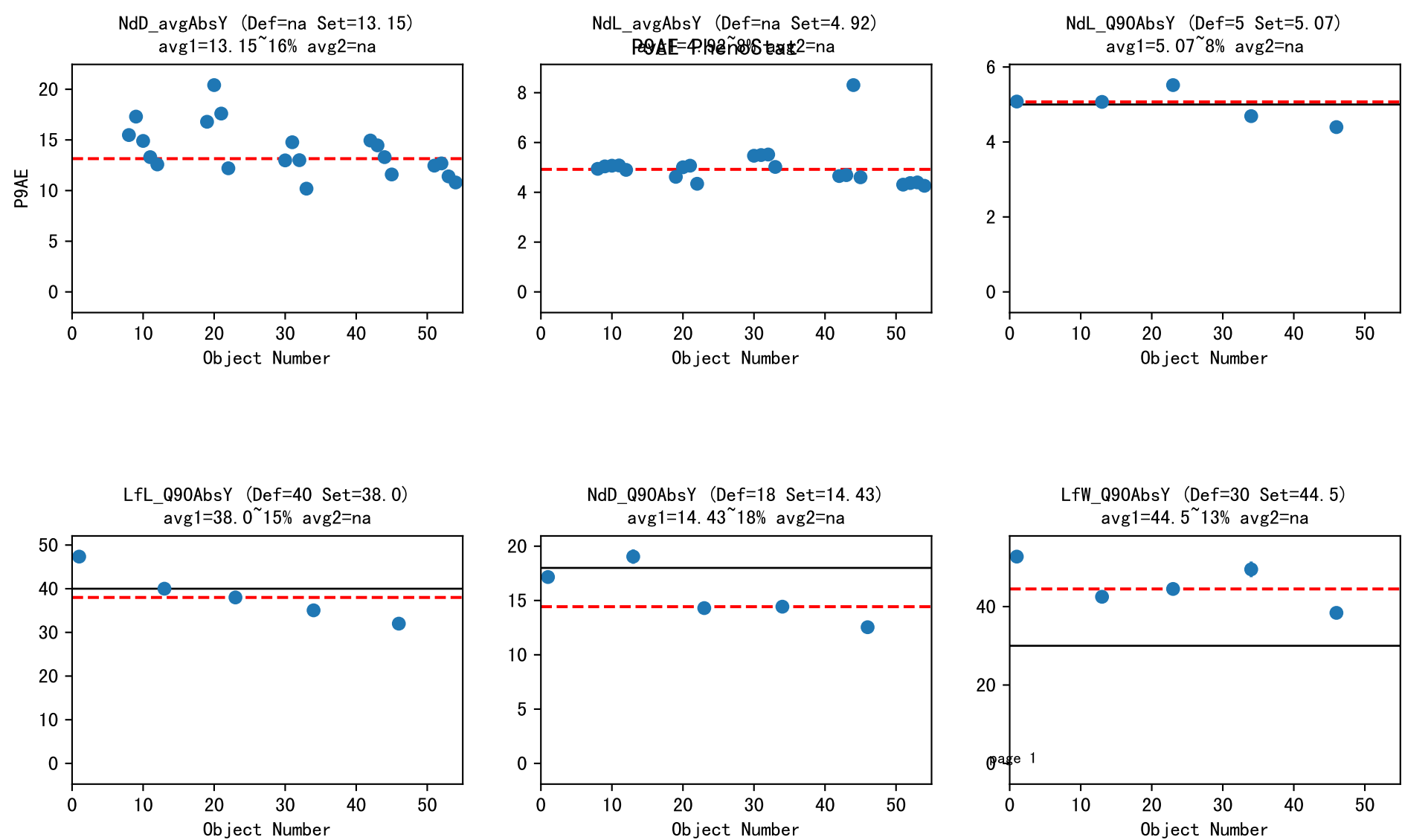
P9AE TrimFruit



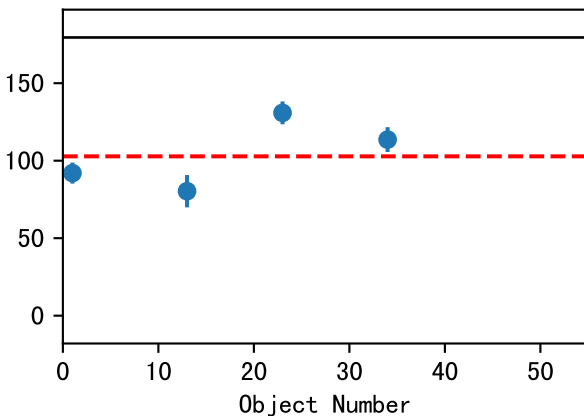
FruitNumMaxPerTruss (Def=na Set=6)

avg1=6.0~9% avg2=na

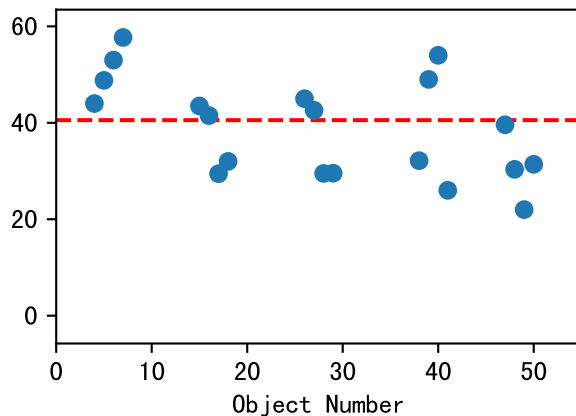




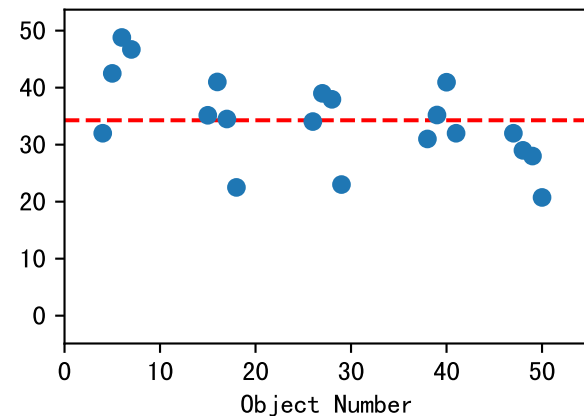
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=102.8~22% avg2=na



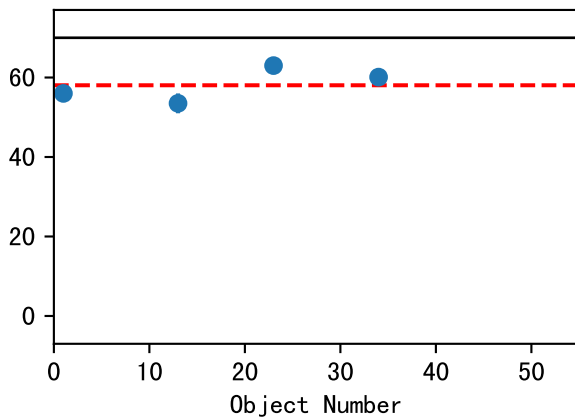
LfW_avgAbsY (Def=na Set=40.55)
avg1=40.55~25% avg2=na



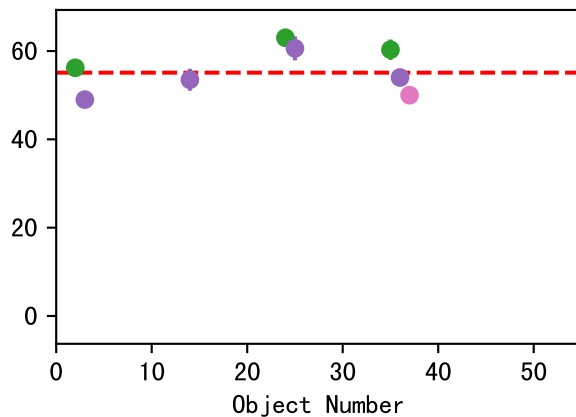
LfL_avgAbsY (Def=na Set=34.27)
avg1=34.27~22% avg2=na



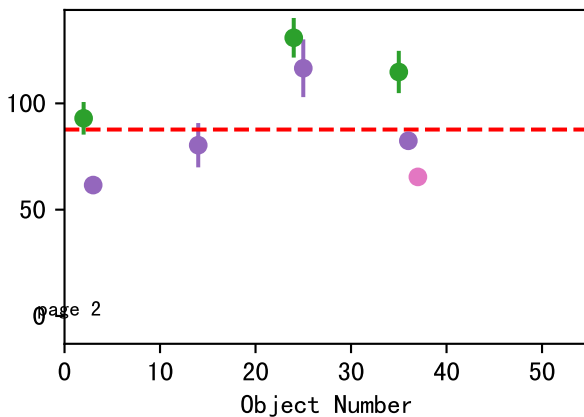
FrD_Q90AbsY (Def=70 Set=58.05)
avg1=58.05~7% avg2=na



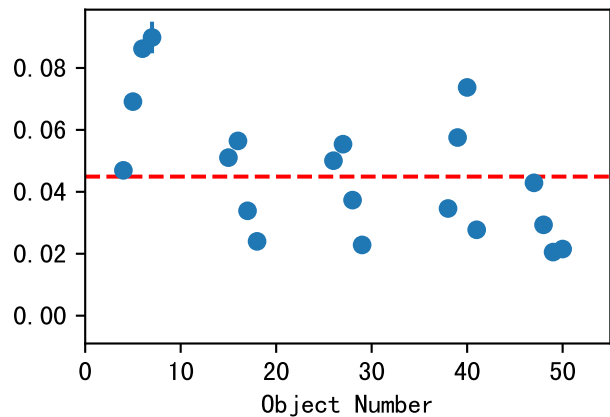
FrD_avgAbsY (Def=na Set=55.1)
avg1=55.1~9% avg2=na



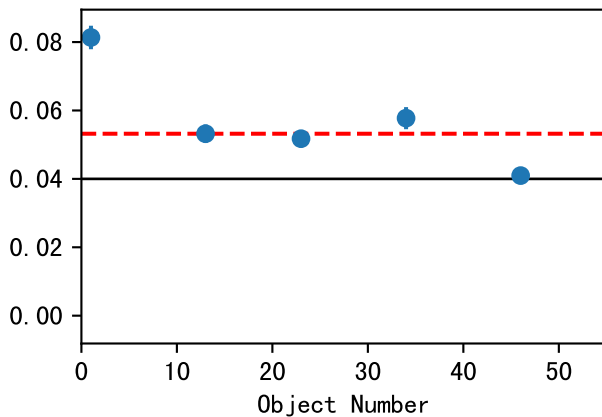
FrV_avgAbsY (Def=na Set=87.69)
avg1=87.69~29% avg2=na



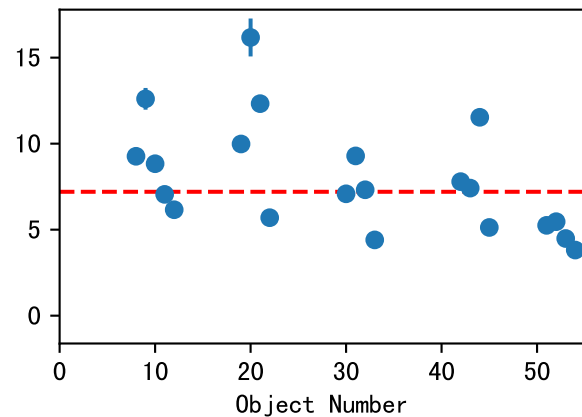
LfA_avgAbsY (Def=na Set=0.04)
avg1=0.04~47% avg2=na



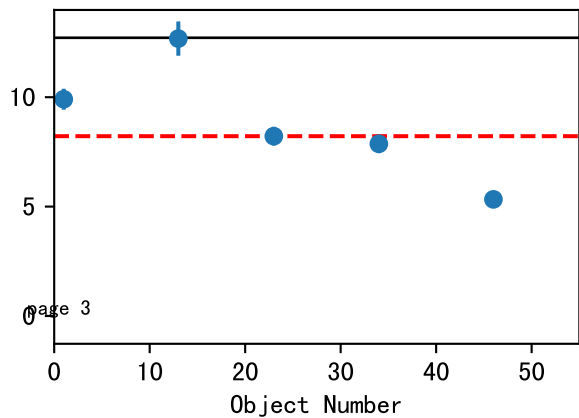
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.05~6% avg2=na



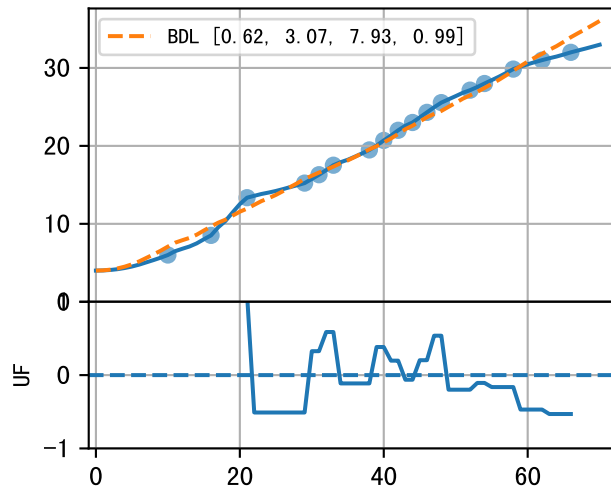
NdV_avgAbsY (Def=na Set=7.2)
avg1=7.2~37% avg2=na



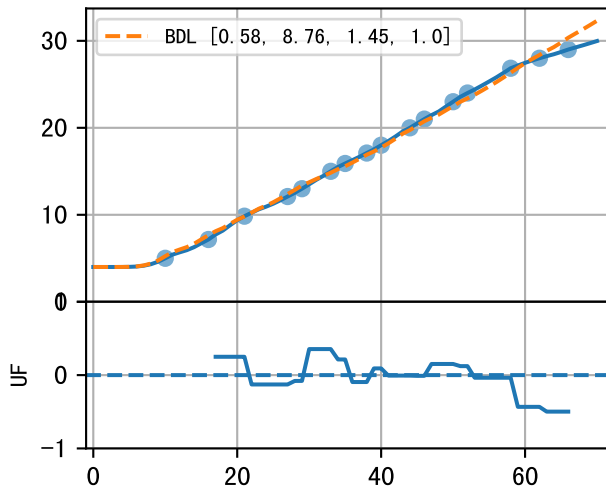
NdV_Q90AbsY (Def=12.72 Set=8.22)
avg1=8.22~33% avg2=na



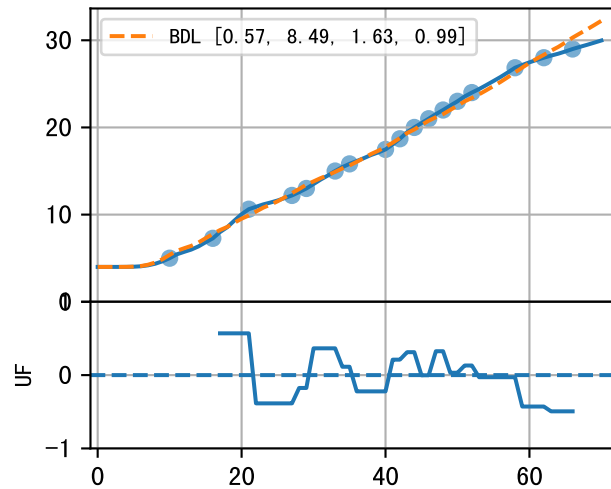
P9AE-065-3 (fit failed)



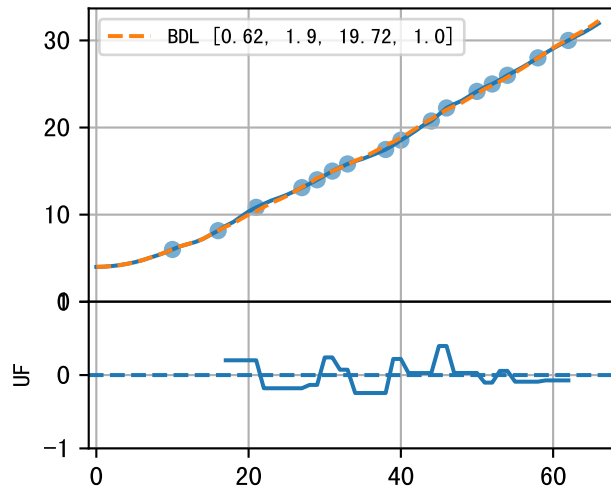
P9AE-077-12N (fit failed)



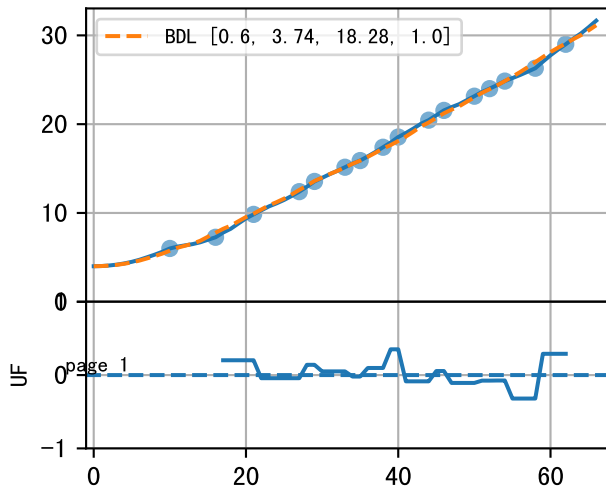
P9AE-089-25 (fit failed)



P9AE-100-19 (fit failed)



P9AE-111-7 (fit failed)



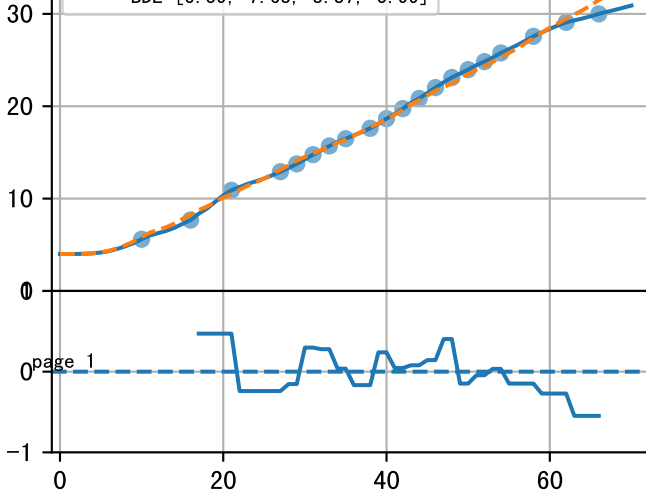
P9AEavg (fit failed)

NdN

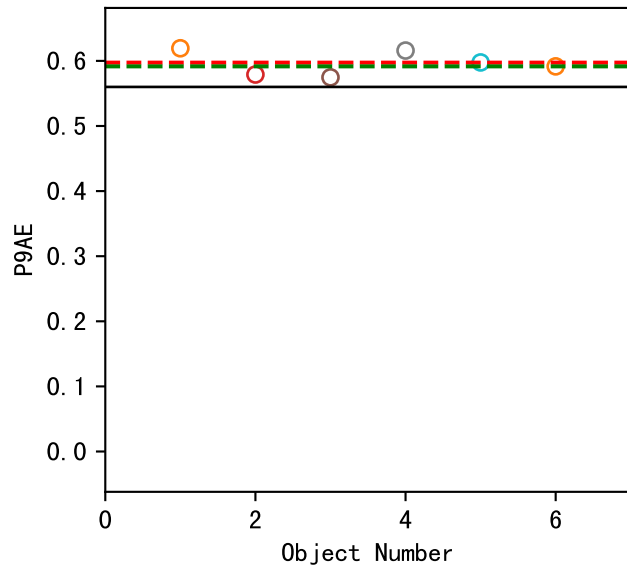
BDL [0.59, 7.63, 3.37, 0.99]

UF

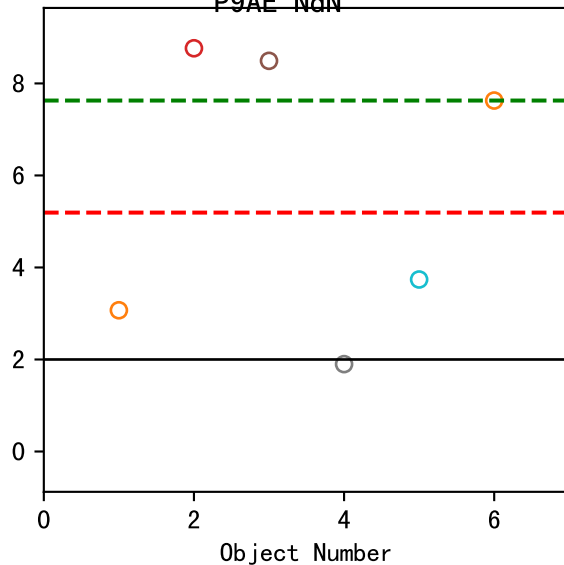
page 1



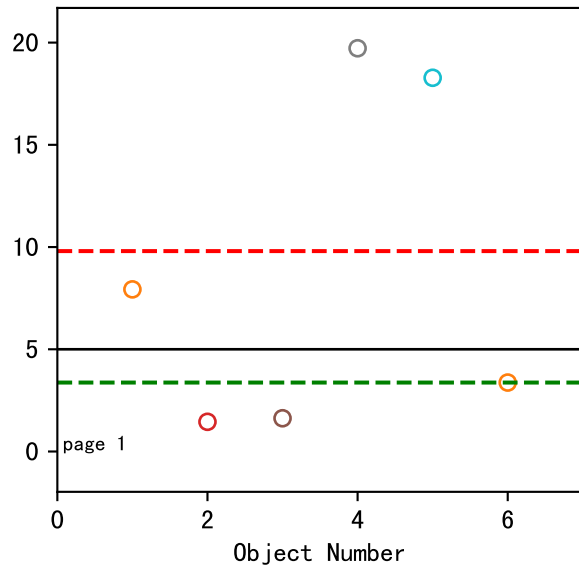
a (Def=0.56 Set=0.59)
avg1=0.6(fail) avg2=0.59



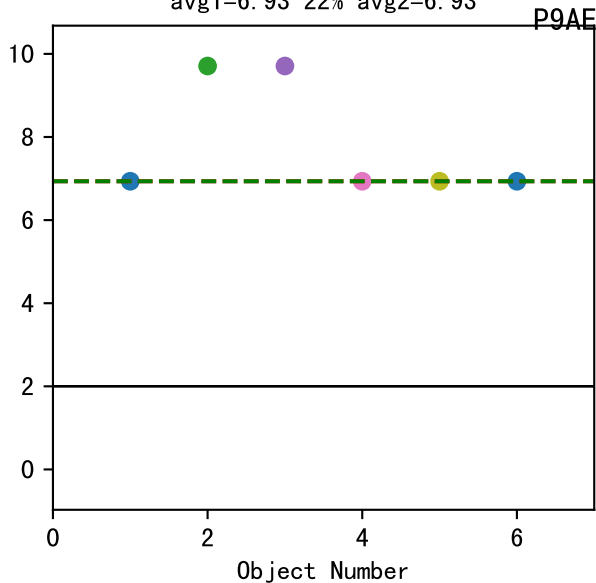
dm (Def=2 Set=7.63)
avg1=5.19(fail) avg2=7.63



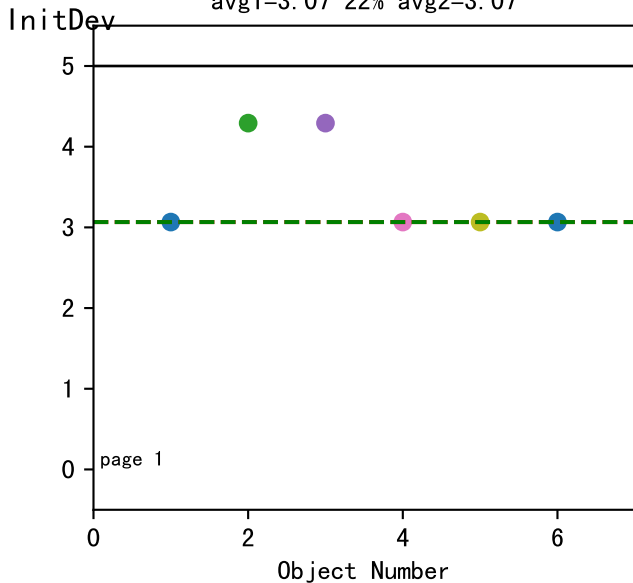
de (Def=5 Set=3.37)
avg1=9.8(fail) avg2=3.37



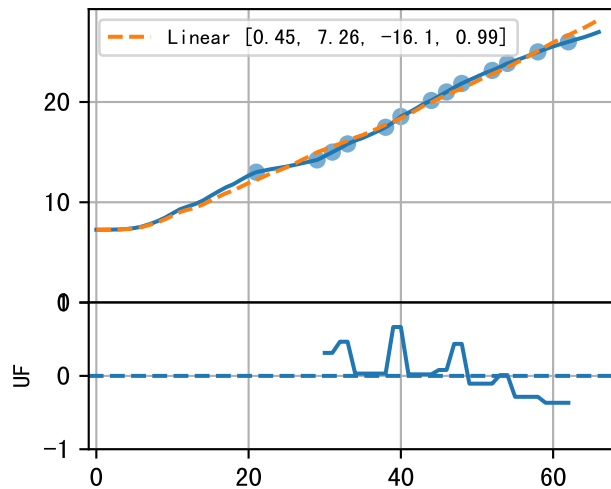
InitDev_dm (Def=2 Set=6.93)
avg1=6.93~22% avg2=6.93



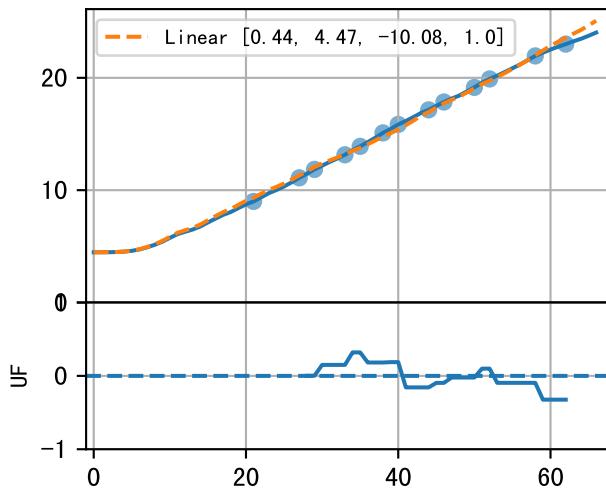
InitDev_de (Def=5 Set=3.07)
avg1=3.07~22% avg2=3.07



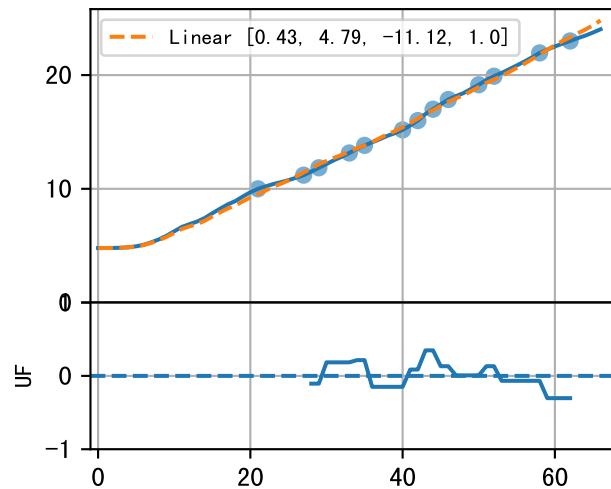
P9AE-065-3



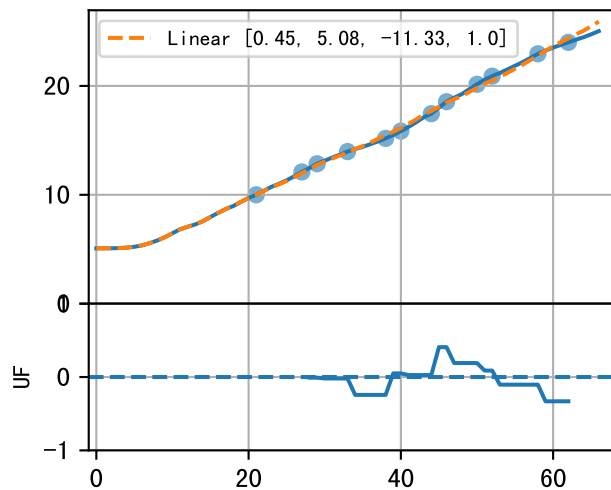
P9AE-077-32



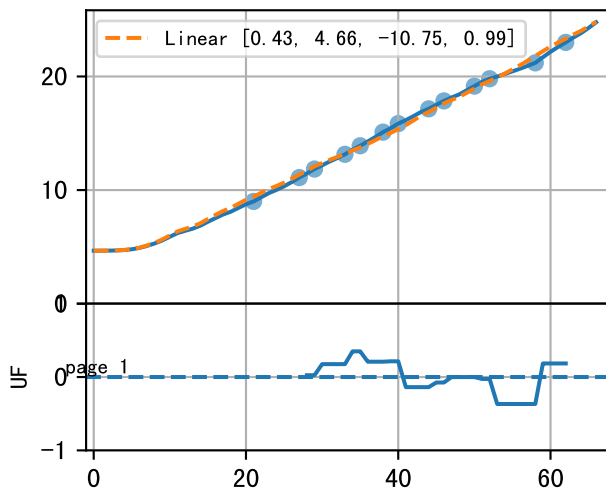
P9AE-089-25



P9AE-100-19



P9AE-111-7

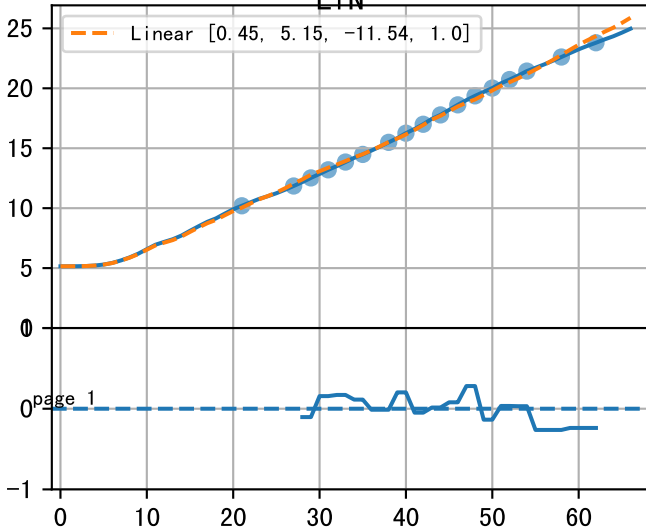


P9A_{avg}
L_{fn}

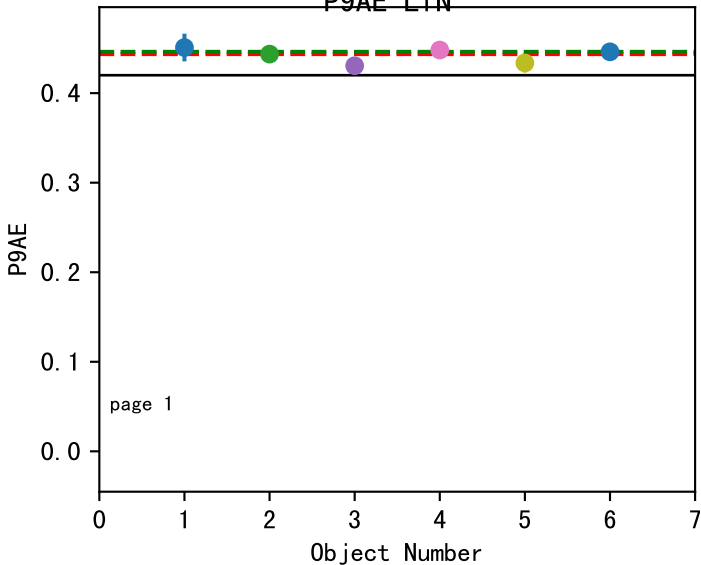
Linear [0.45, 5.15, -11.54, 1.0]

UF

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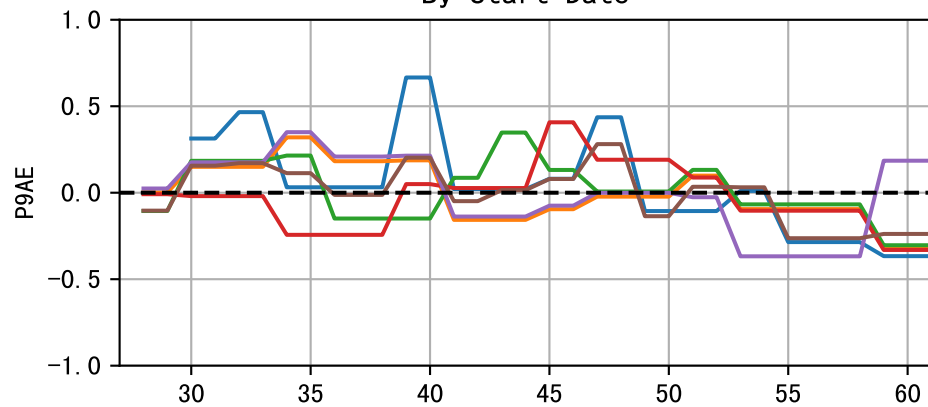


a (Def=0.42 Set=0.45)
avg1=0.44 $\sim$ 2% avg2=0.45 $\sim$ 3%
P9AE LFN

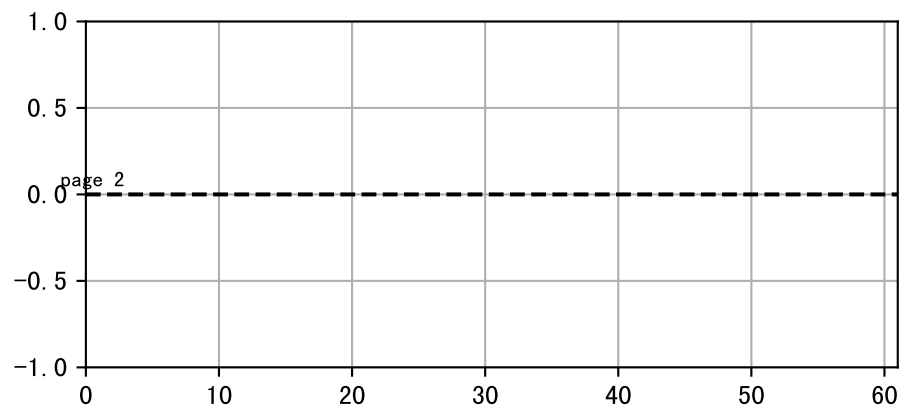
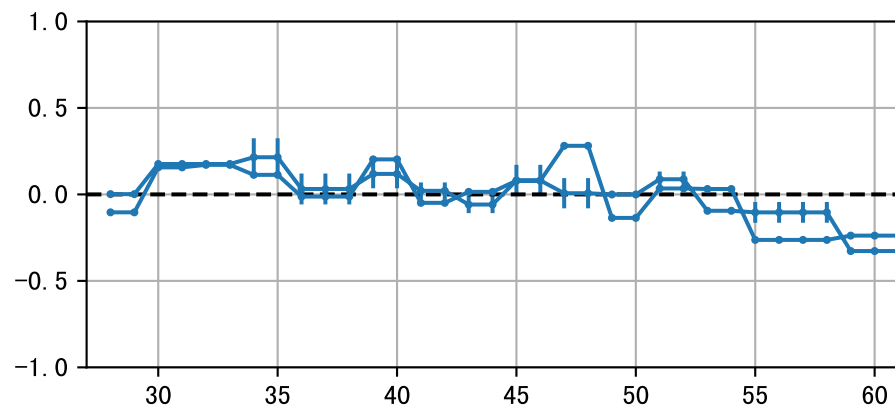
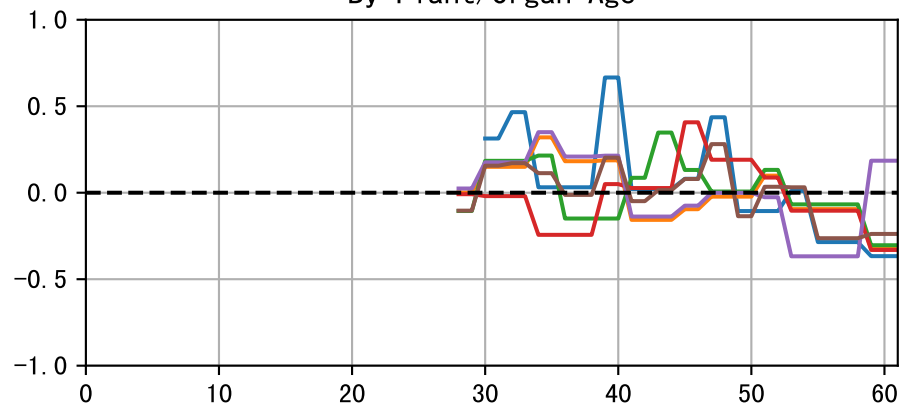


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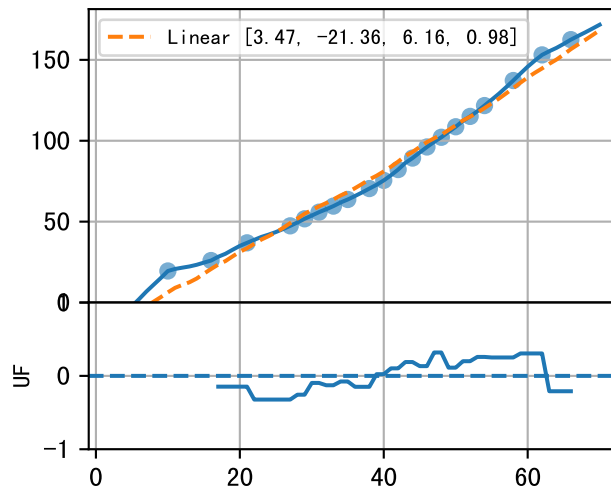
By Start Date



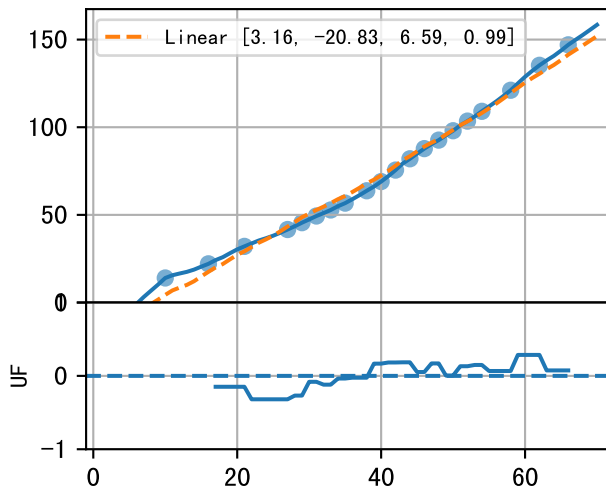
By Plant/Organ Age



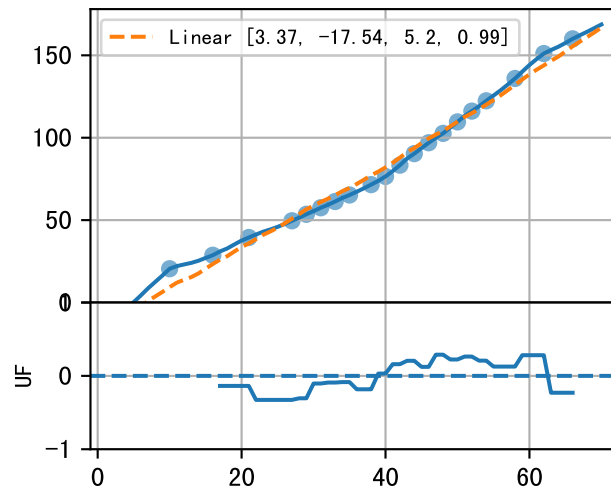
P9AE-065-3



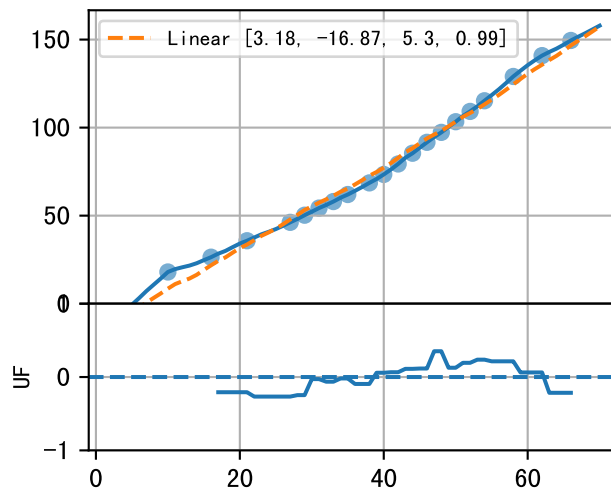
P9AE-077-32



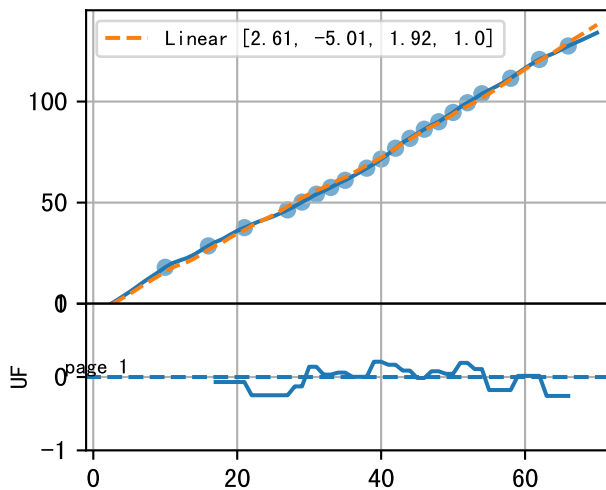
P9AE-089-25



P9AE-100-19

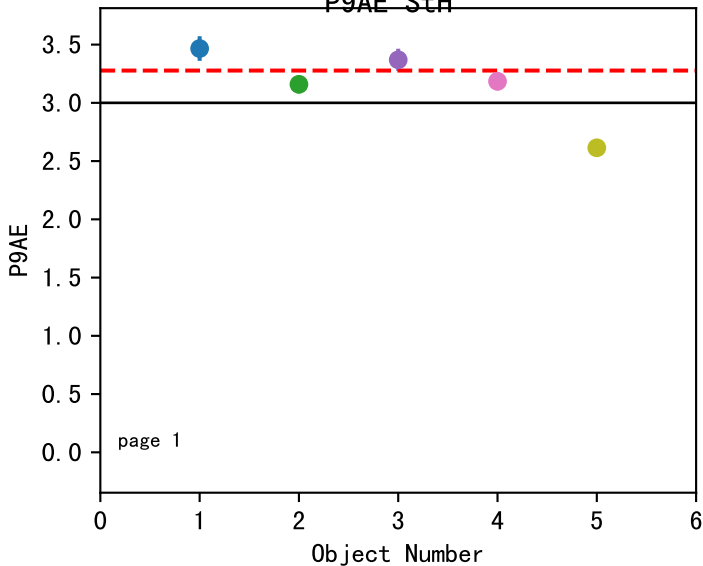


P9AE-111-7

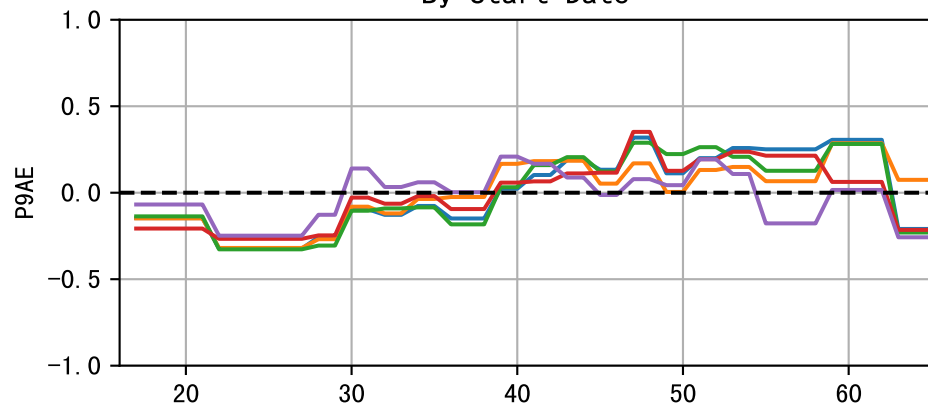


a (Def=3 Set=3.28)
avg1=3.28~5% avg2=na

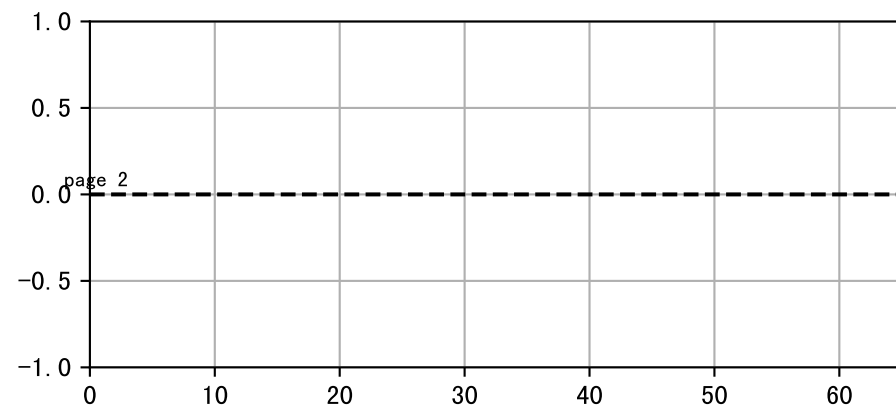
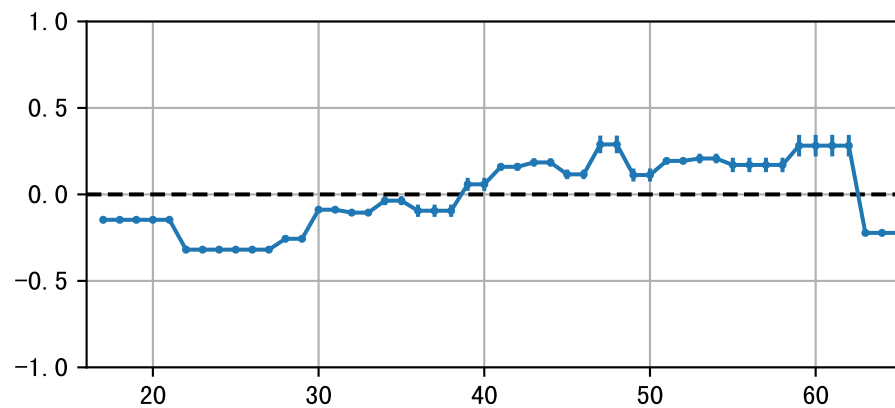
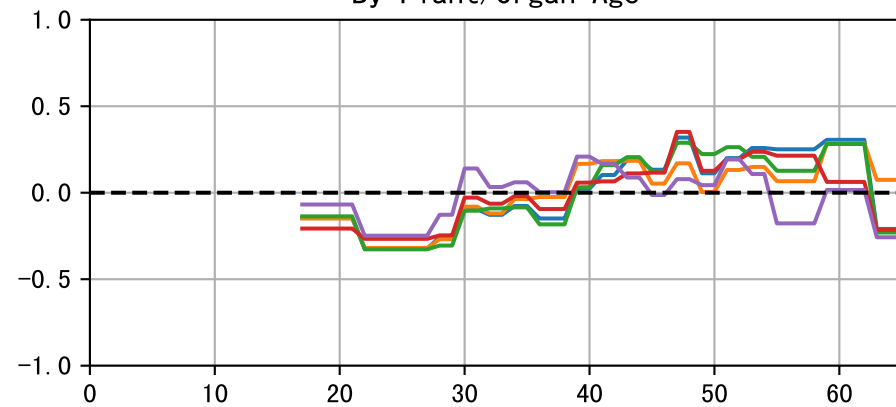
P9AE StH



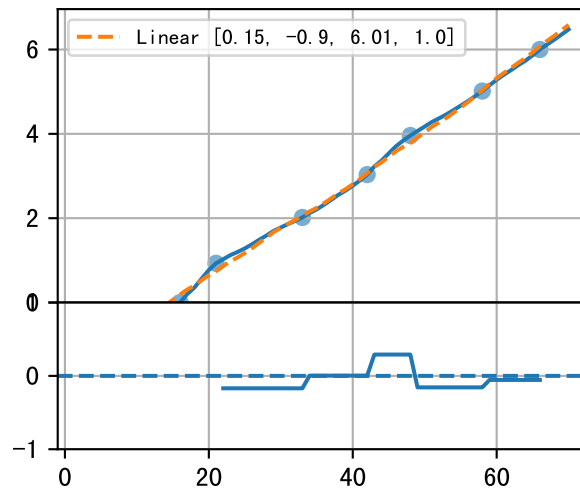
By Start Date



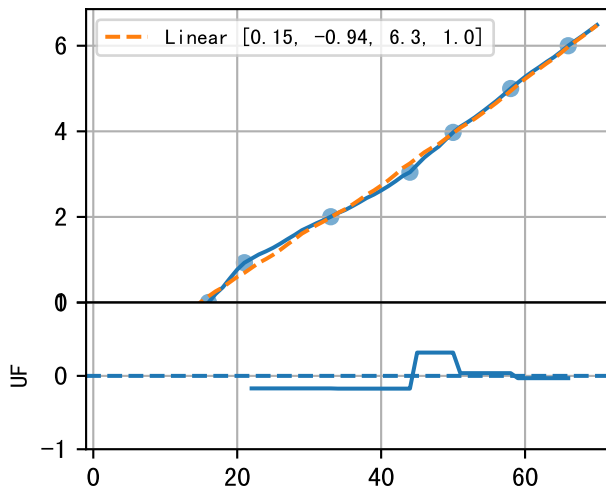
By Plant/Organ Age



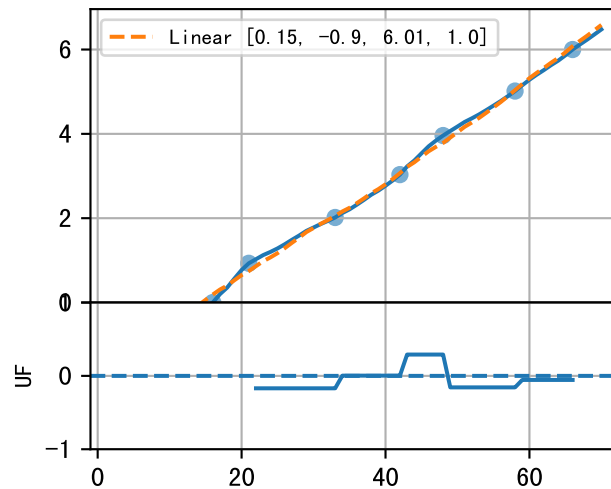
P9AE-065-3



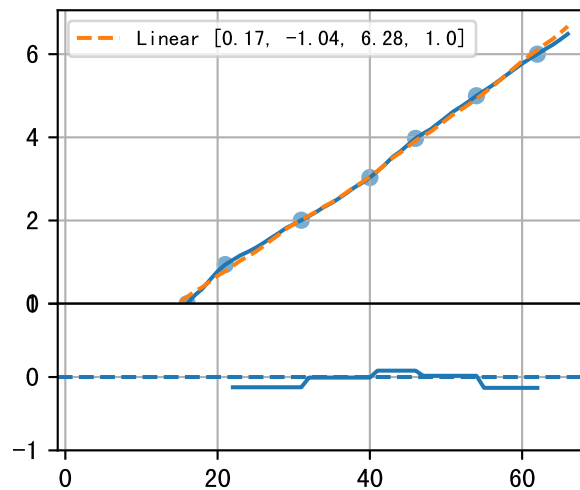
P9AE-077-32



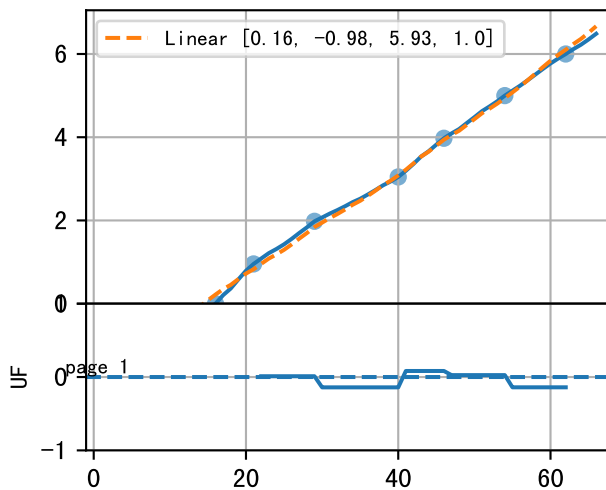
P9AE-089-25



P9AE-100-19



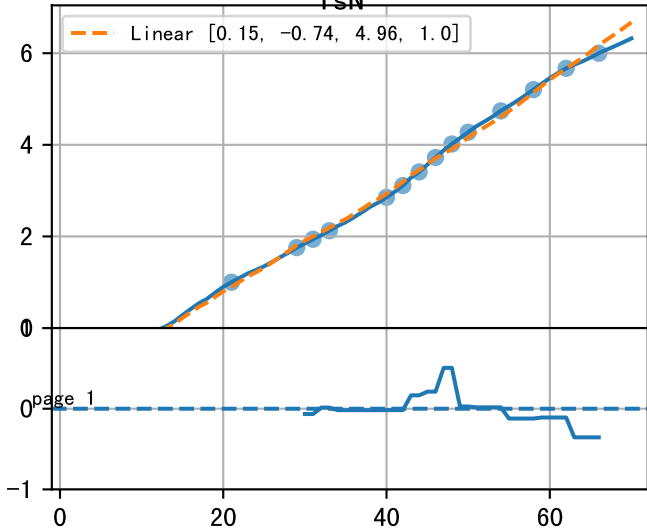
P9AE-111-7



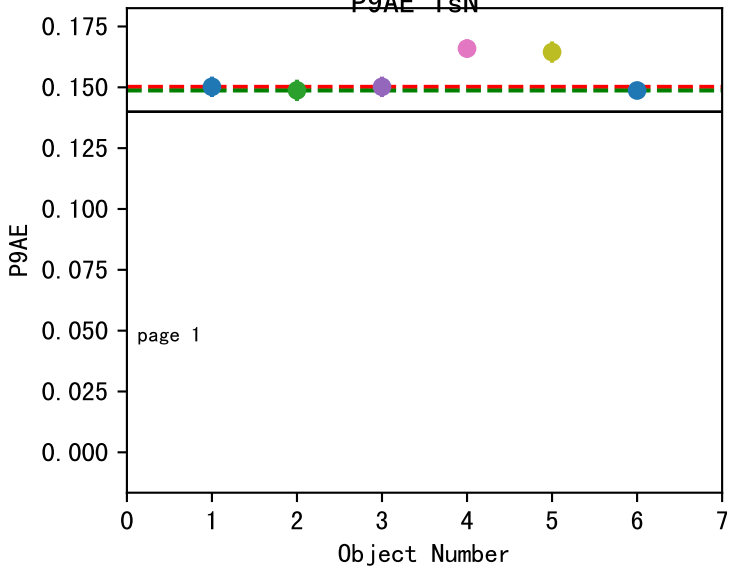
P9AEavg
T_{SN}

Linear [0.15, -0.74, 4.96, 1.0]

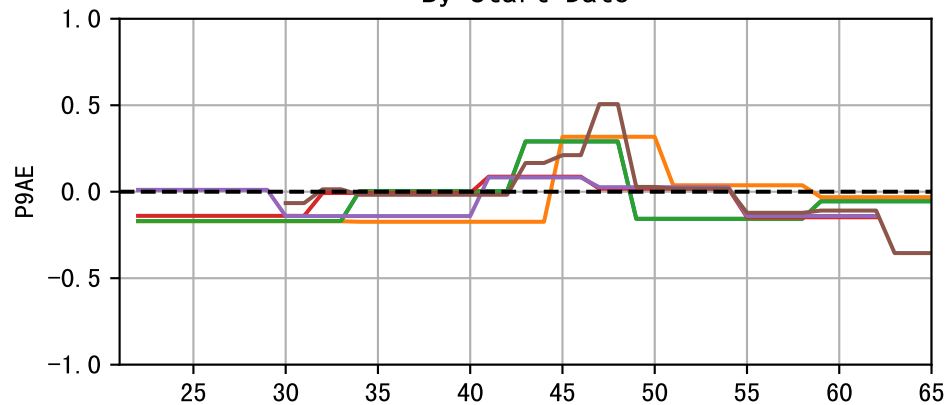
UF
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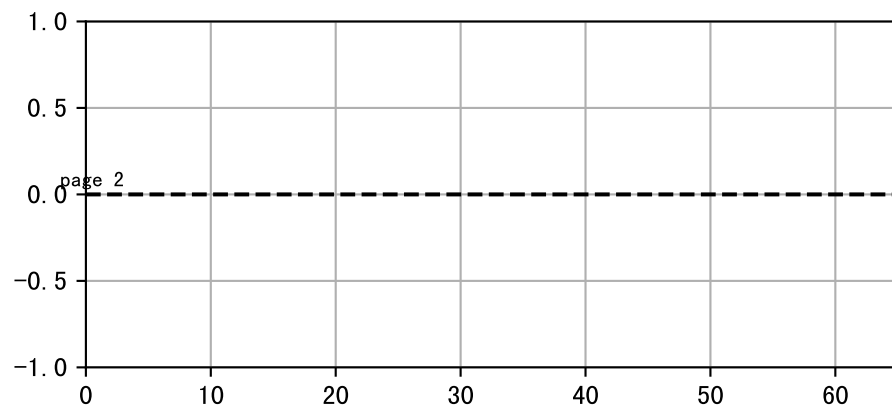
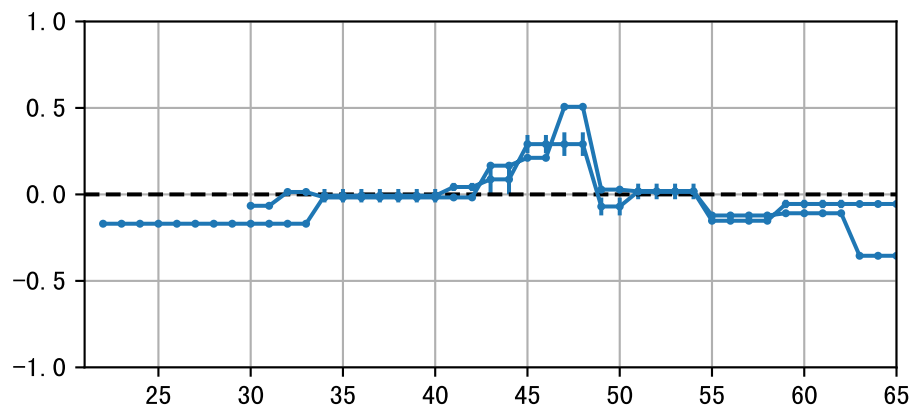
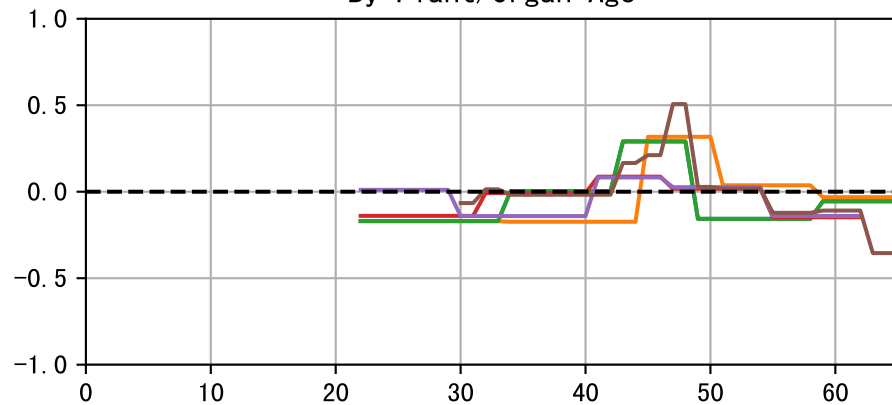
a (Def=0.14 Set=0.15)
avg1=0.15 $\sim$ 6% avg2=0.15 $\sim$ 4%
P9AE TSN



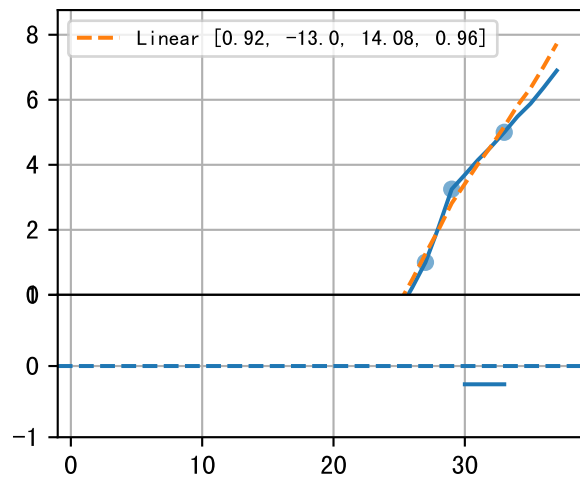
By Start Date



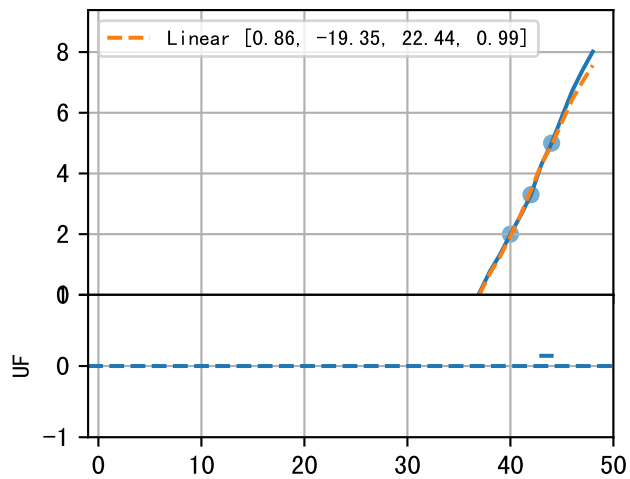
By Plant/Organ Age



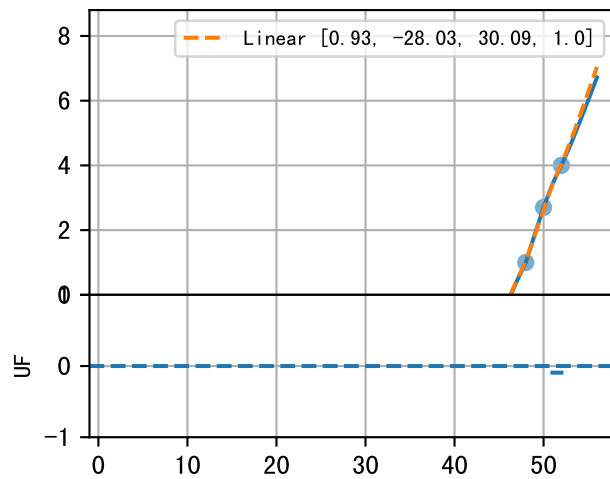
P9AE-065-3T1



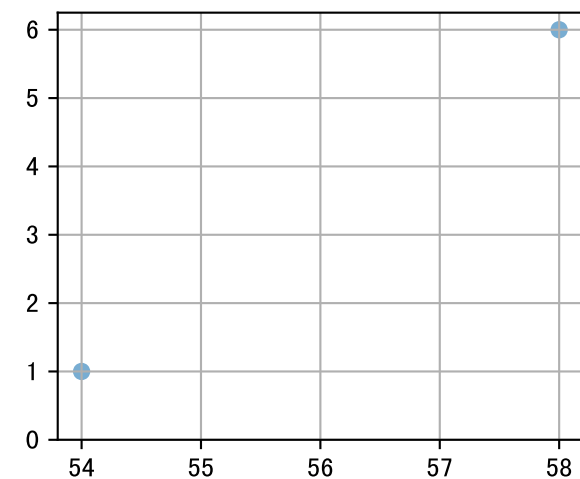
P9AE-065-3T2



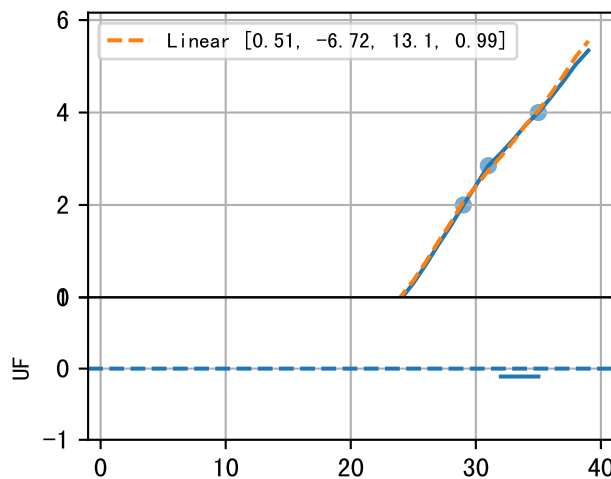
P9AE-065-3T3



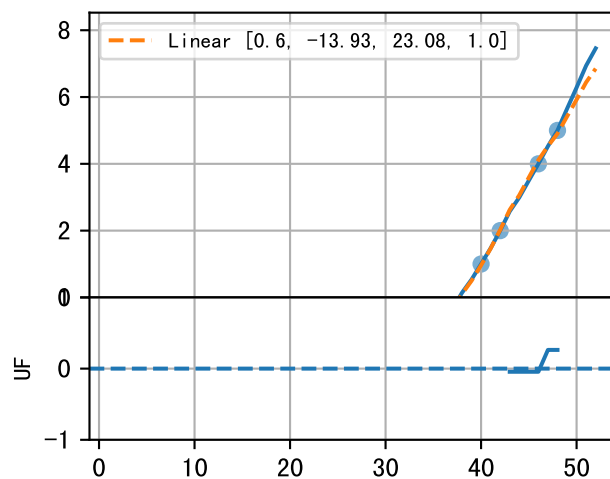
P9AE-065-3T4 (fit failed)



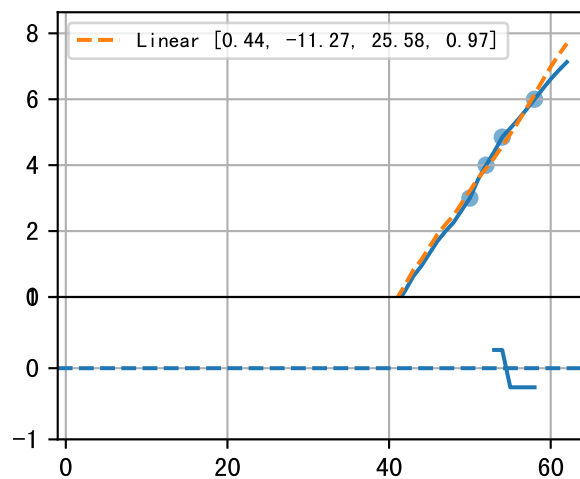
P9AE-077-32T1



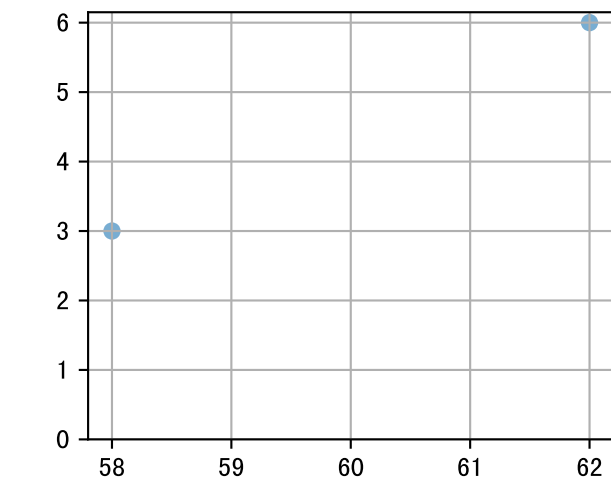
P9AE-077-32T2



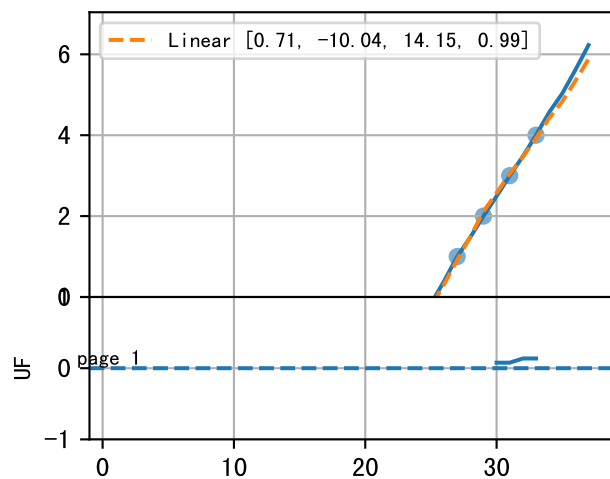
P9AE-077-32T3



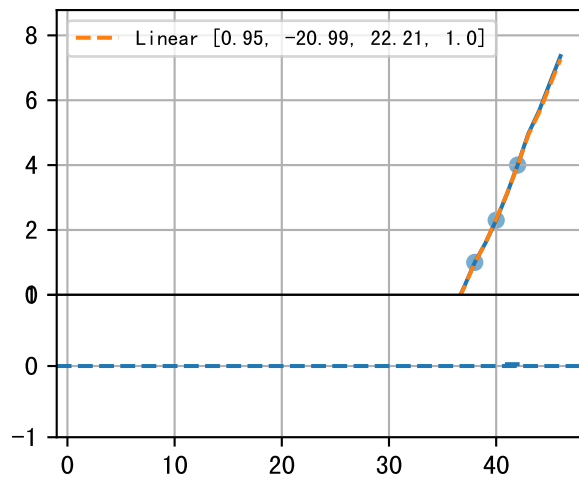
P9AE-077-32T4 (fit failed)



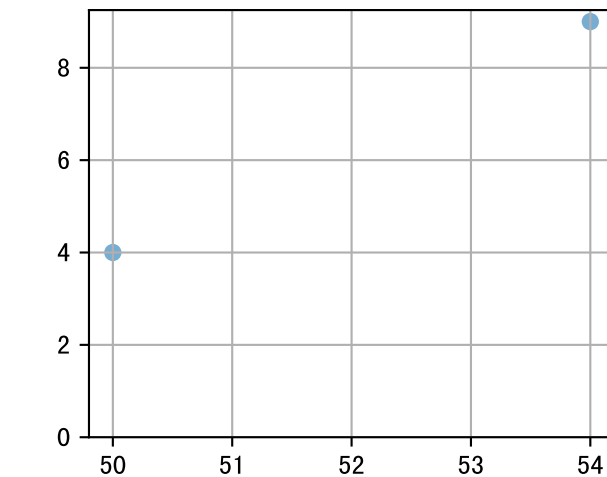
P9AE-089-25T1



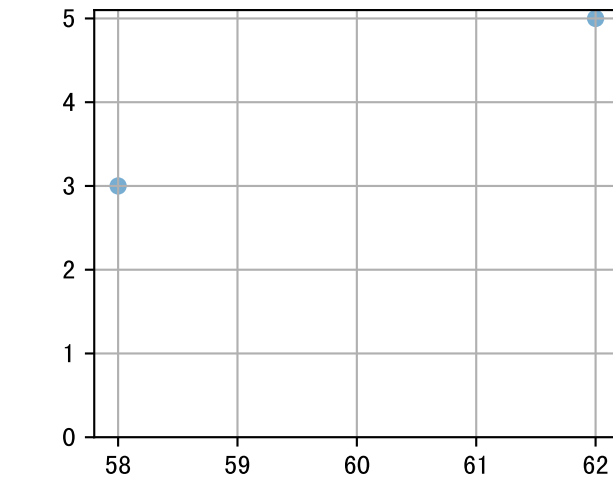
P9AE-089-25T2



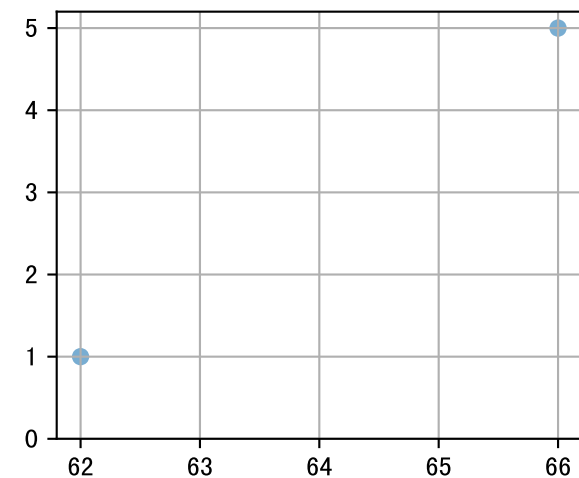
P9AE-089-25T3 (fit failed)



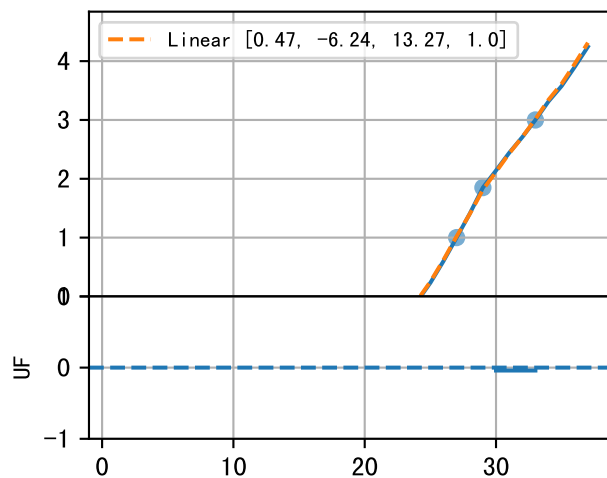
P9AE-089-25T4 (fit failed)



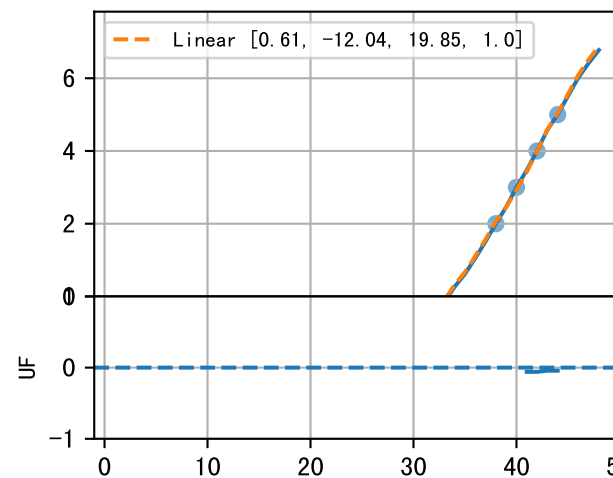
P9AE-089-25T5 (fit failed)



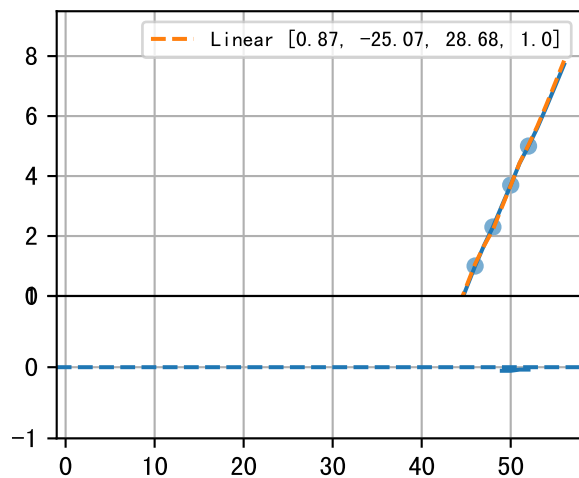
P9AE-100-19T1



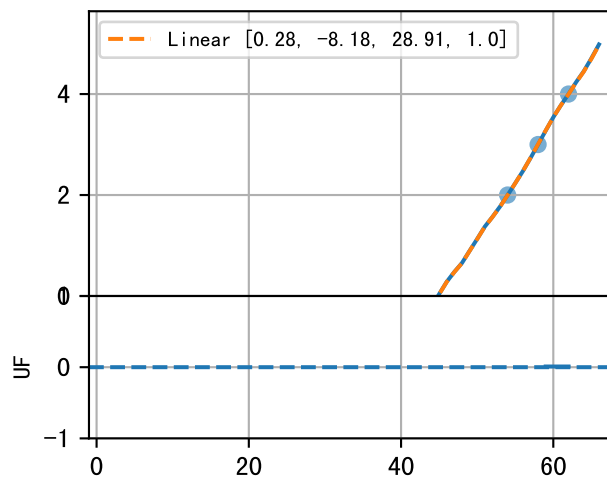
P9AE-100-19T2



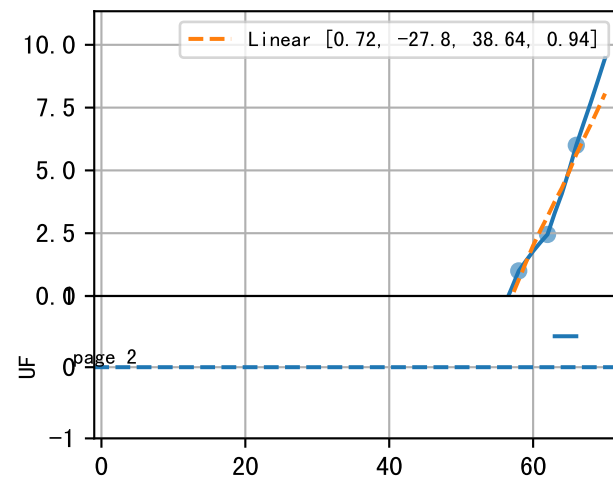
P9AE-100-19T3

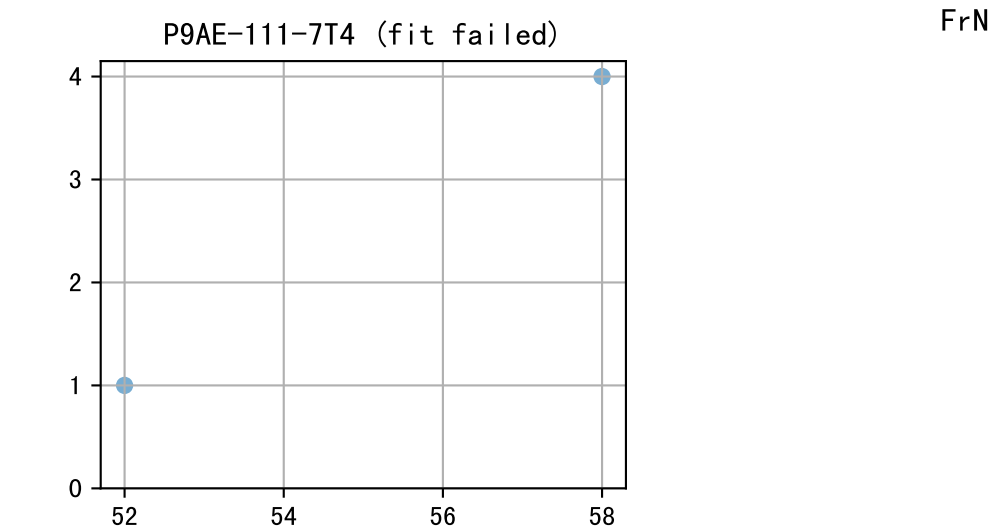


P9AE-100-19T4

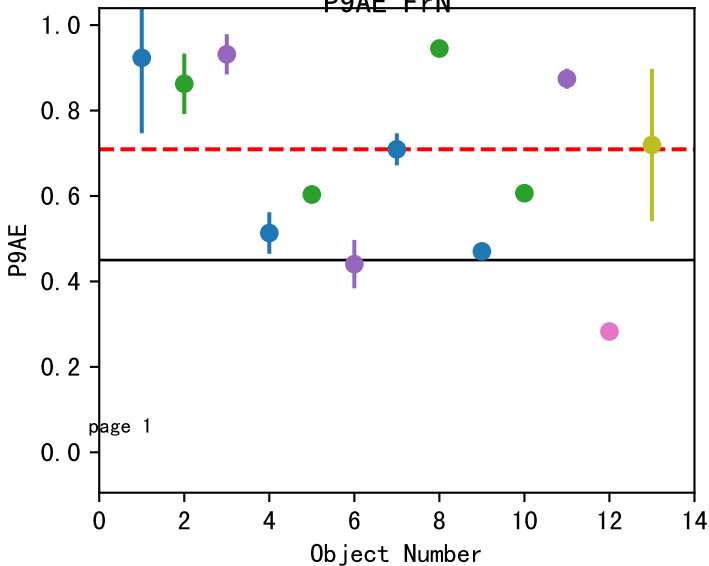


P9AE-100-19T5

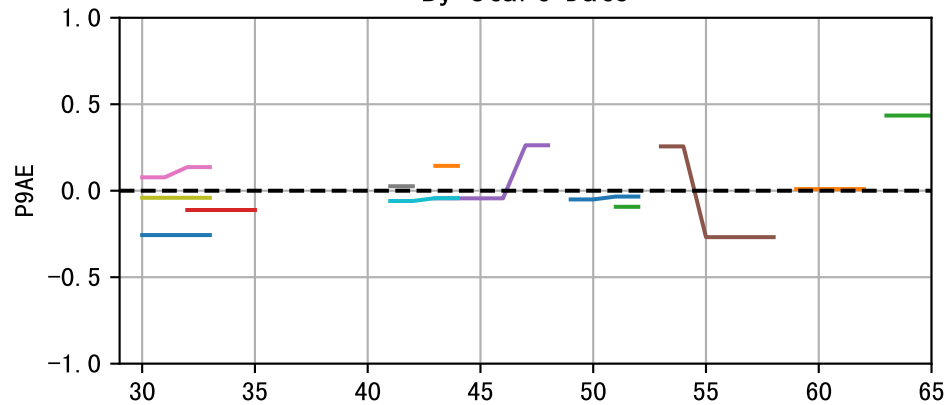




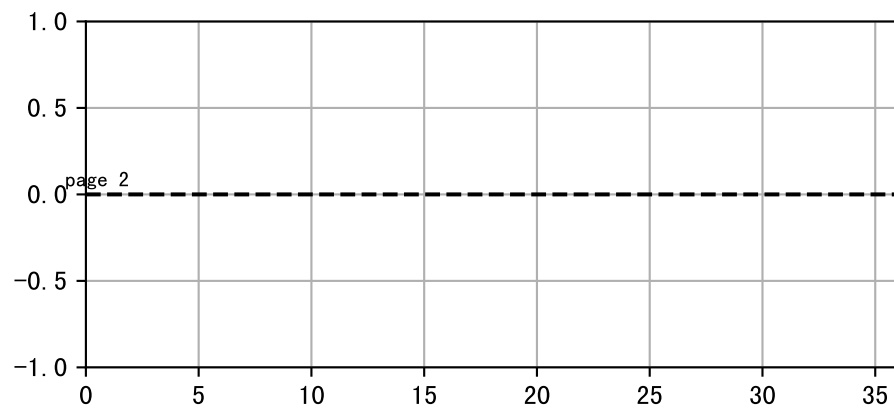
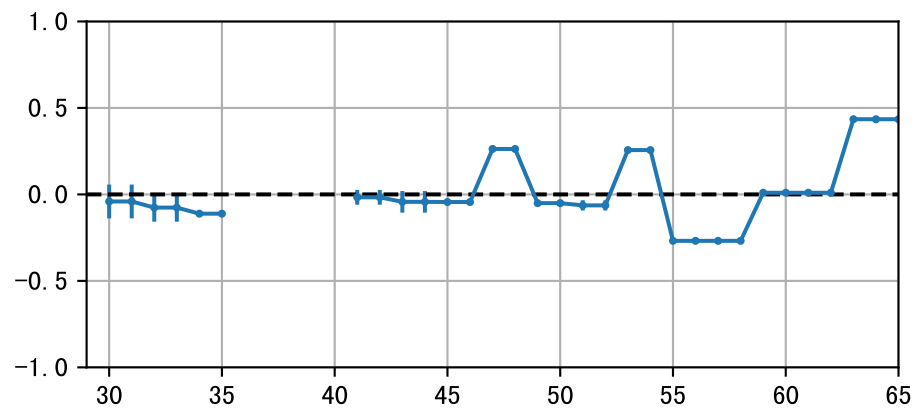
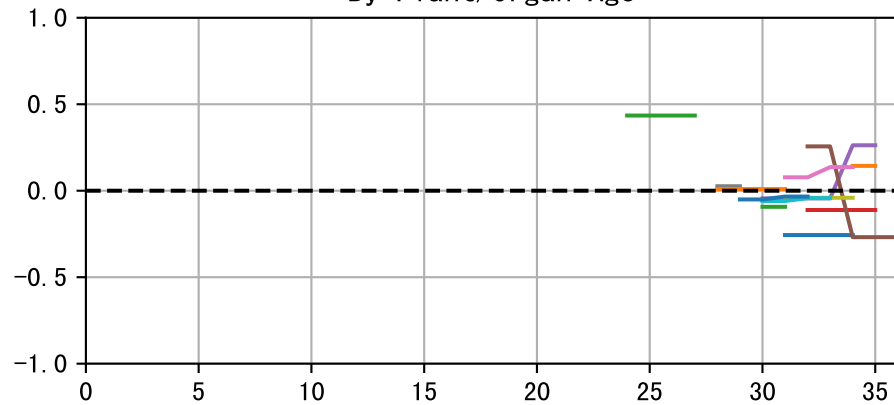
a (Def=0.45 Set=0.71)
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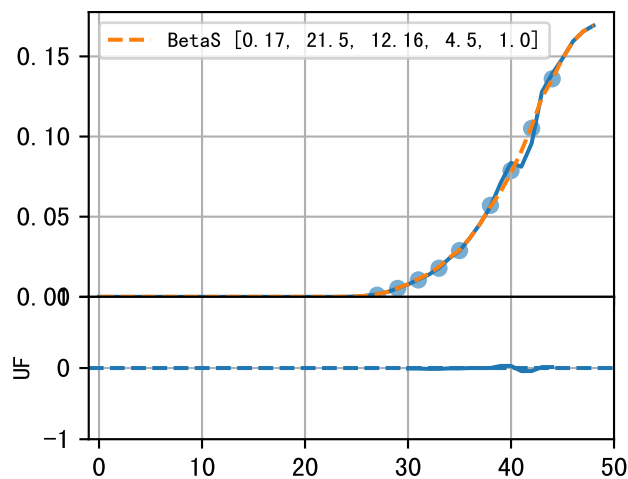
By Start Date



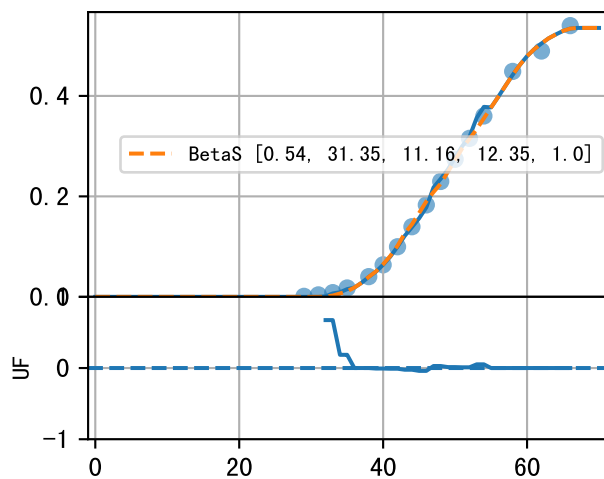
By Plant/Organ Age



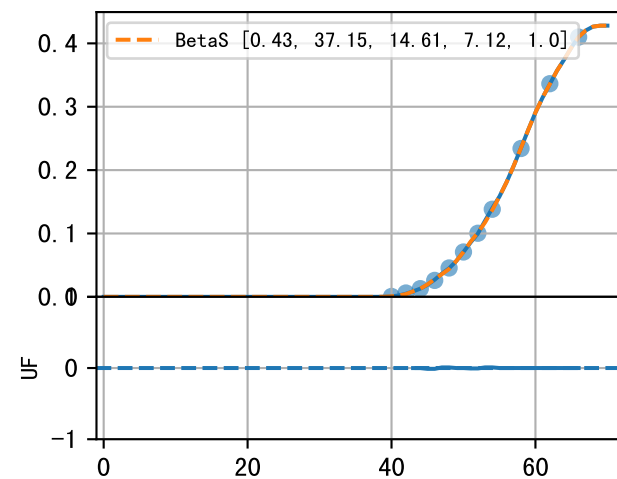
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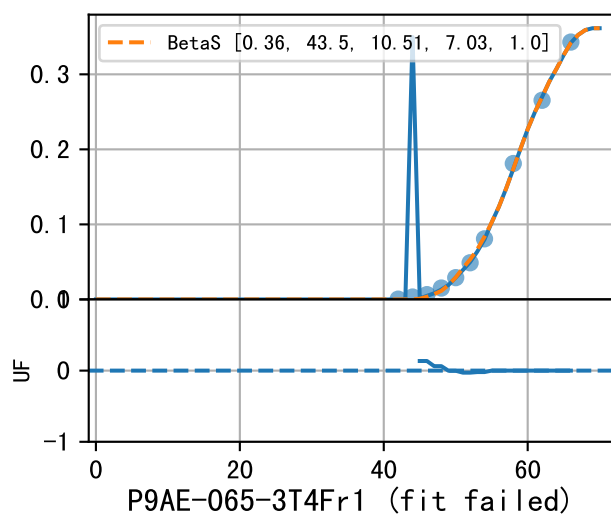
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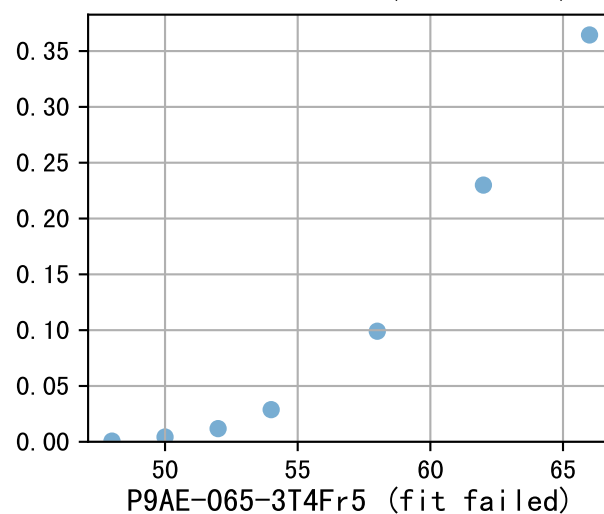
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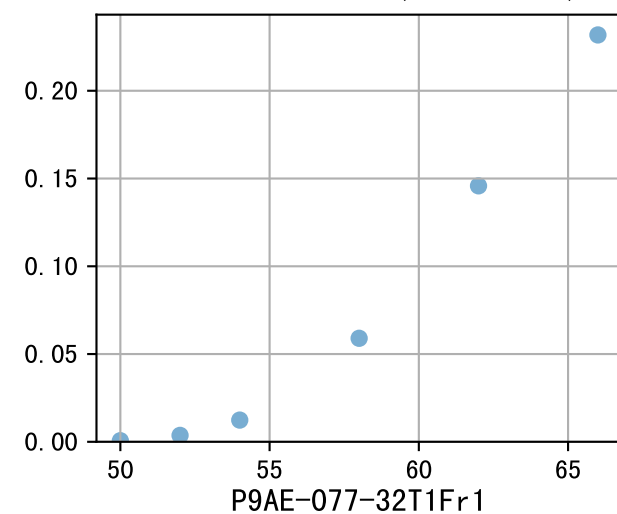
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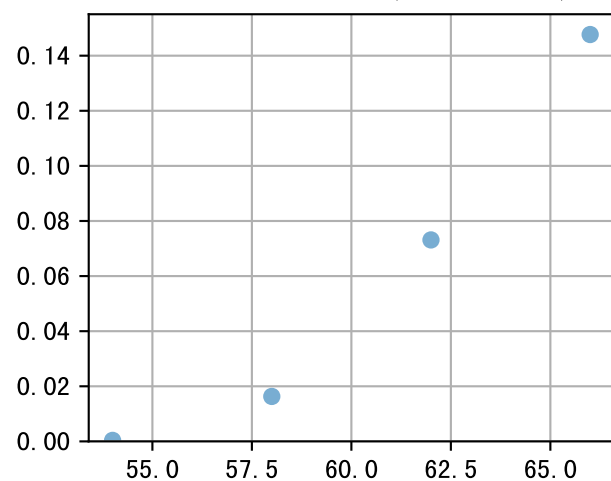
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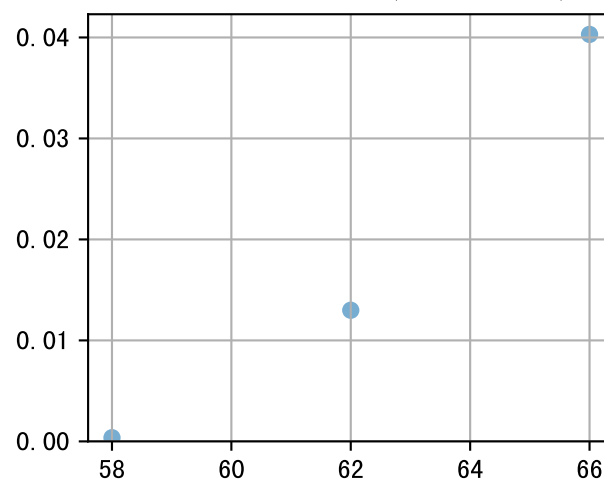
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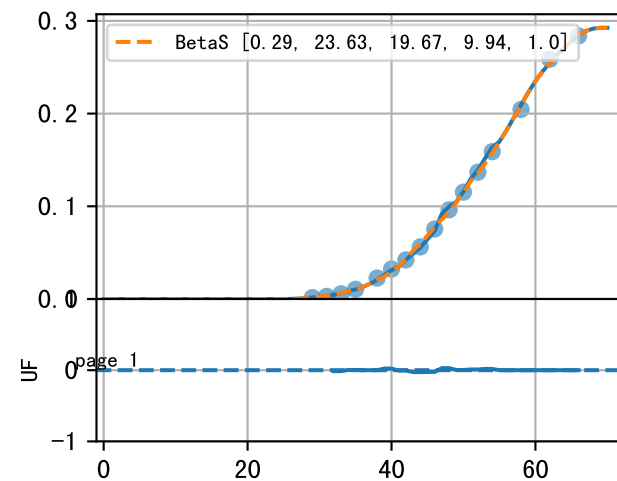
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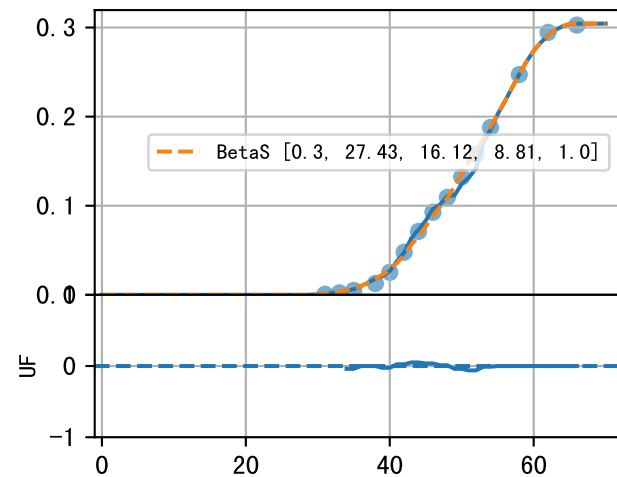
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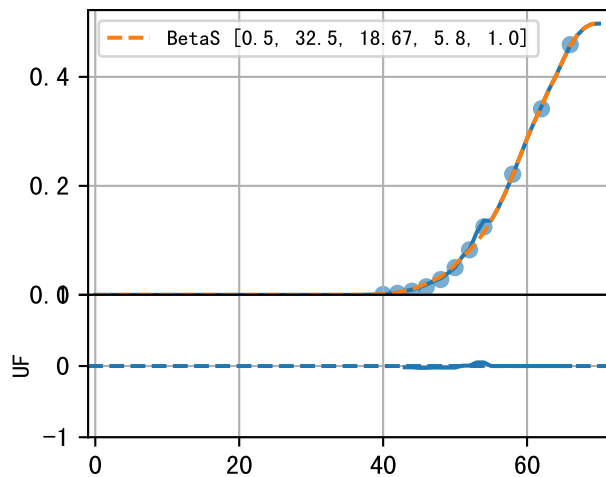
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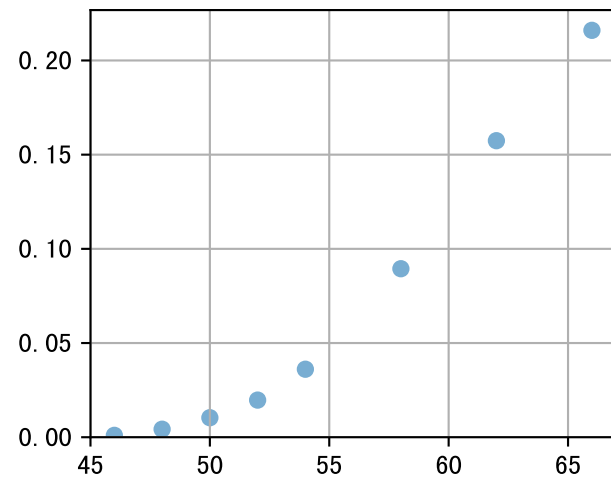
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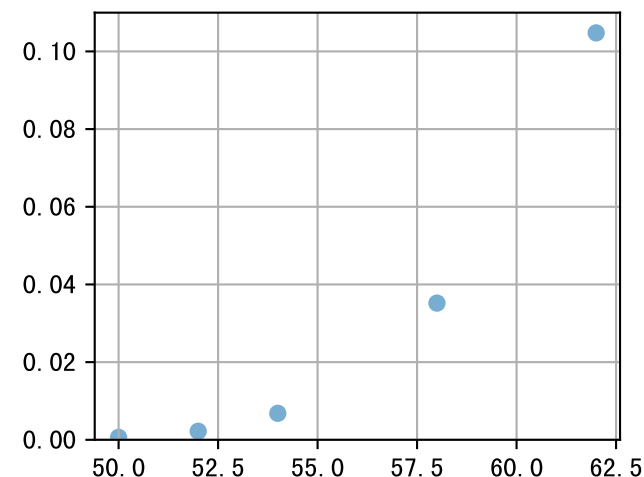
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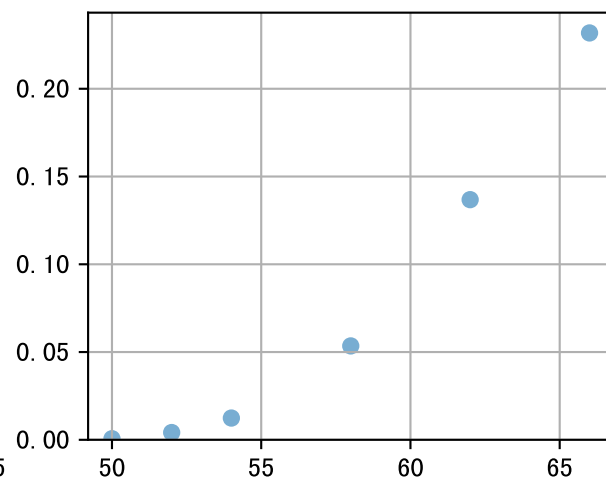
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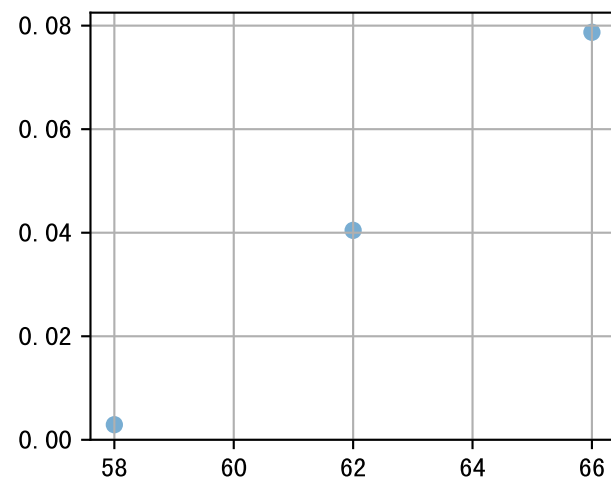
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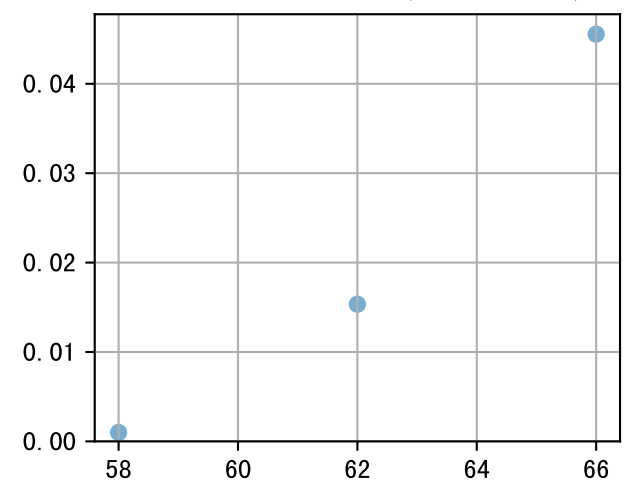
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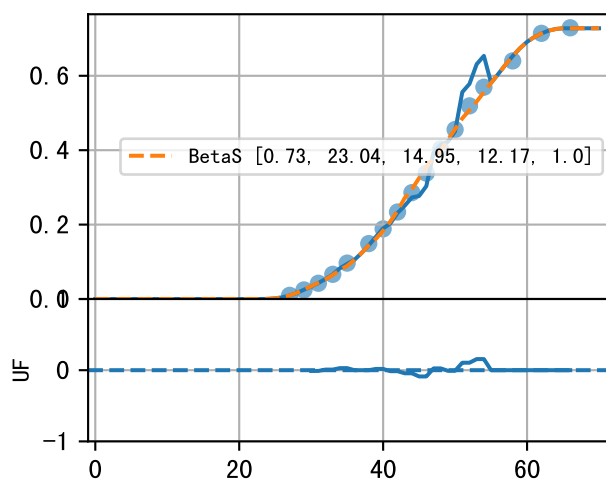
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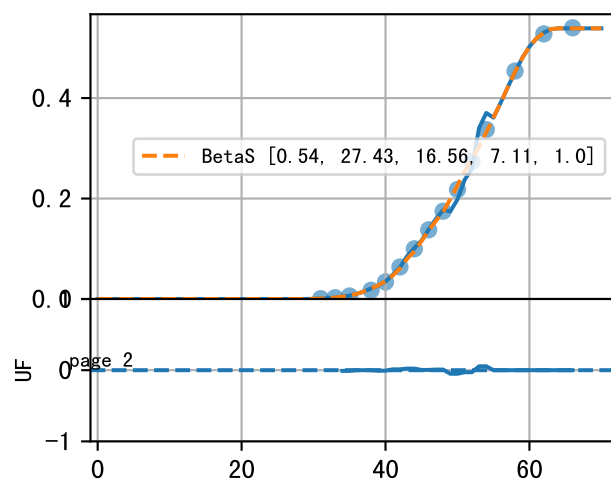
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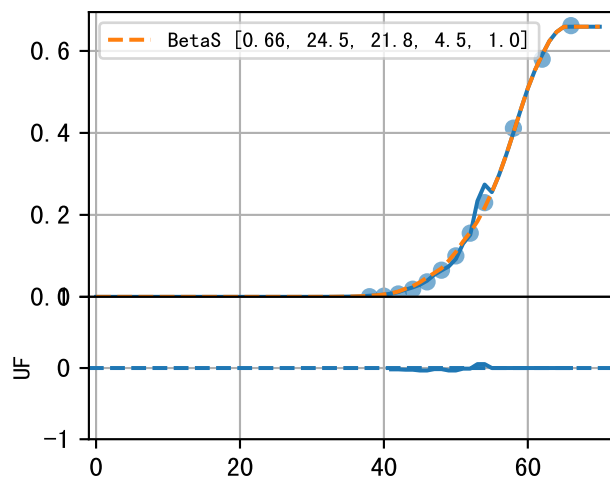
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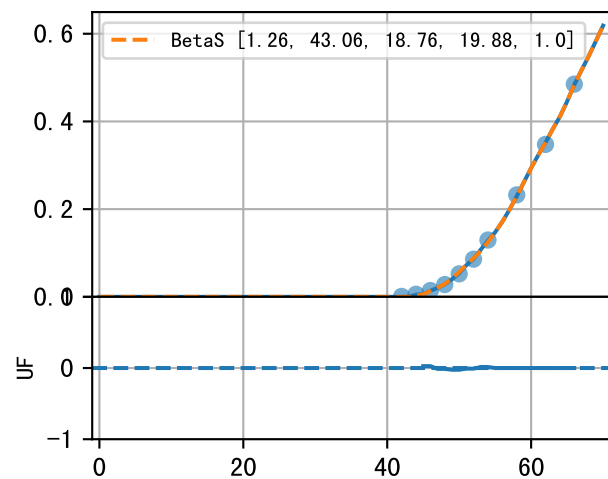
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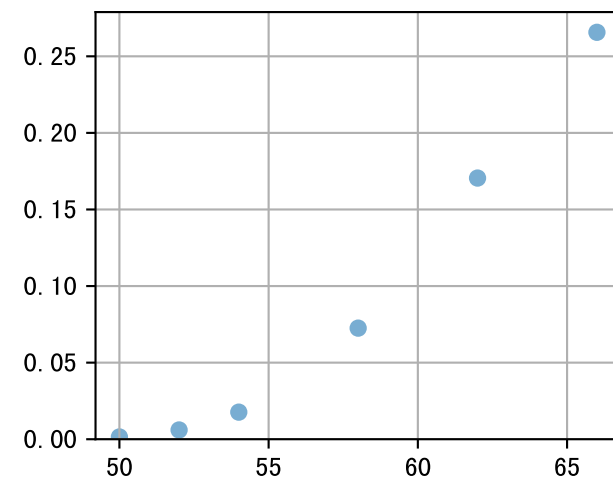
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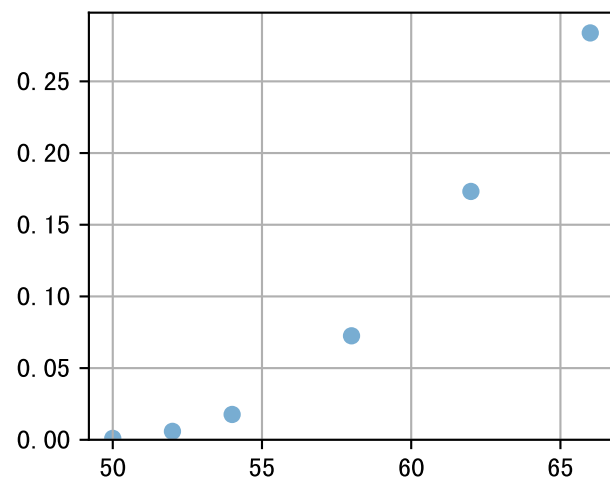
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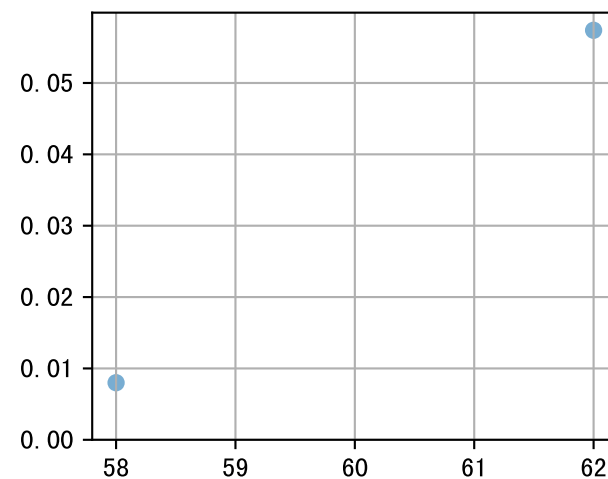
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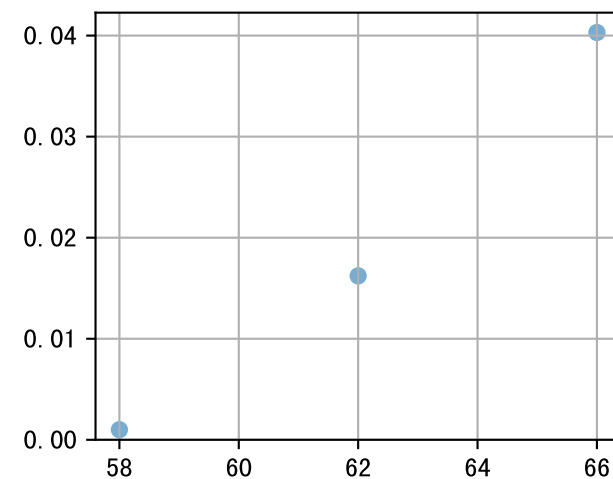
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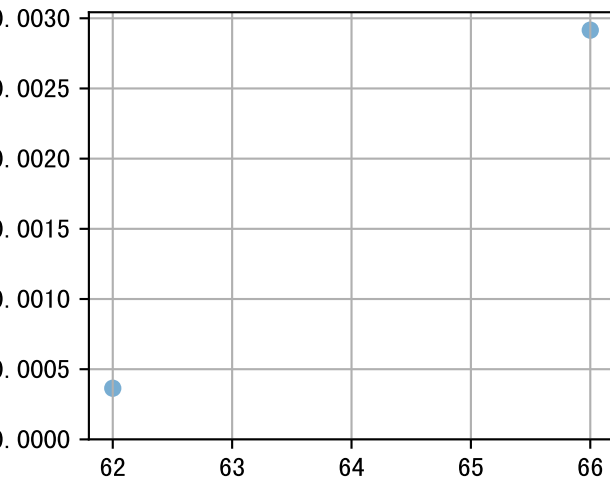
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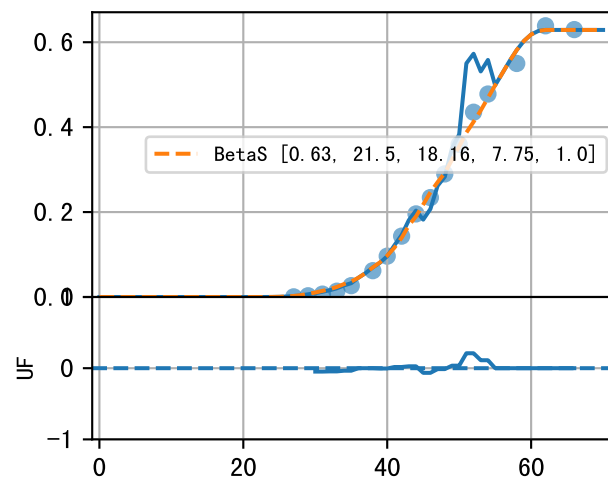
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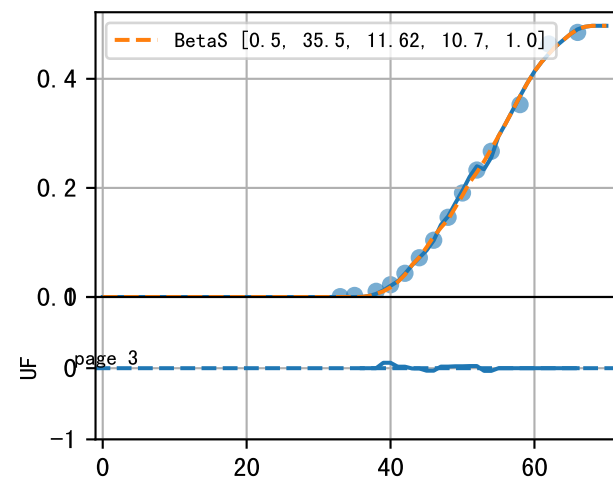
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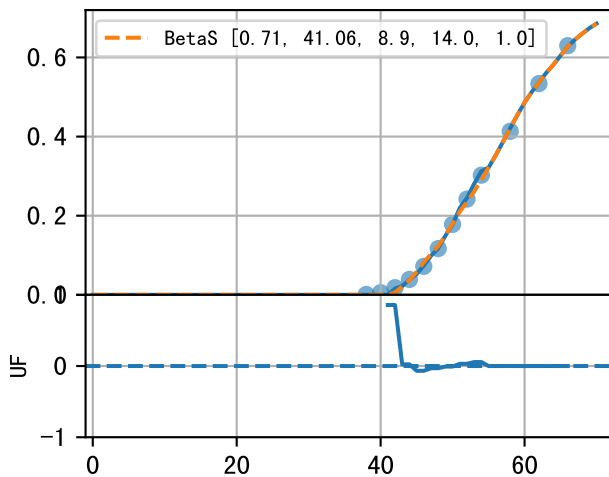
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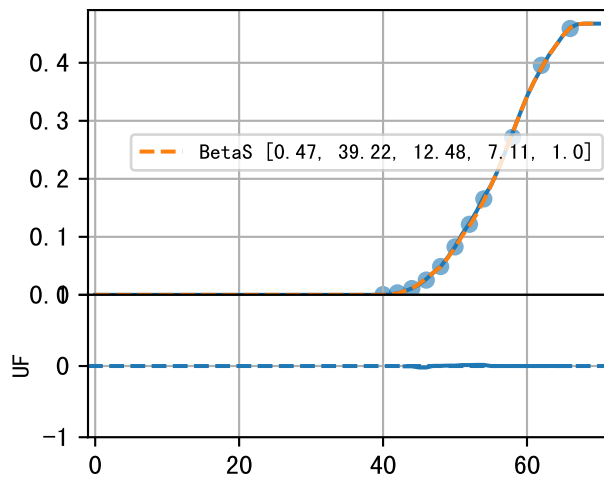
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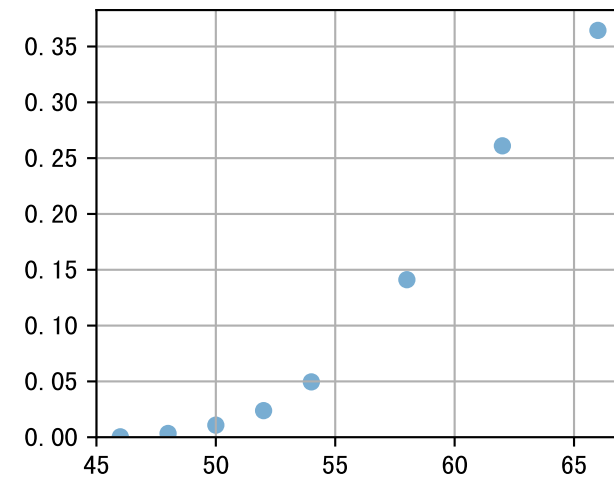
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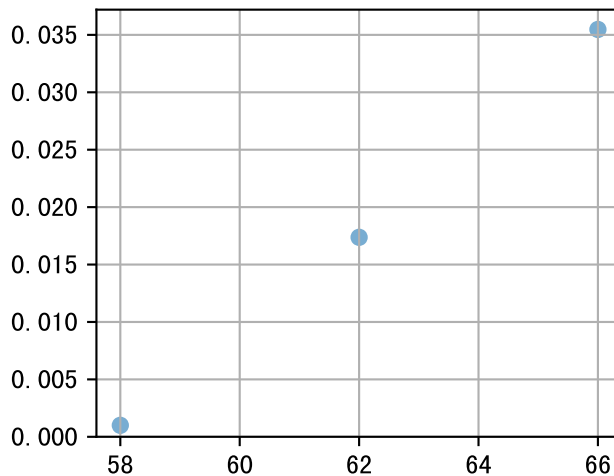
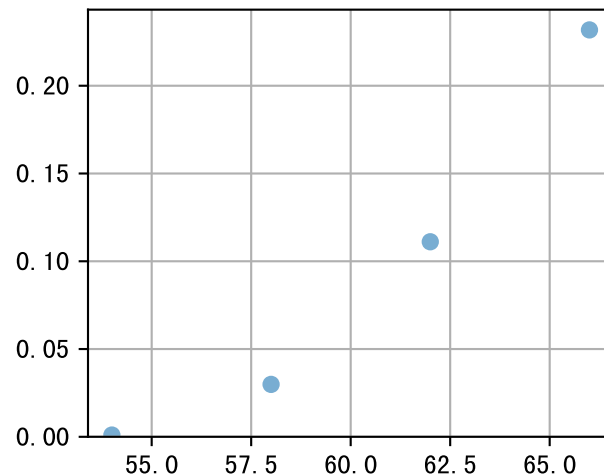
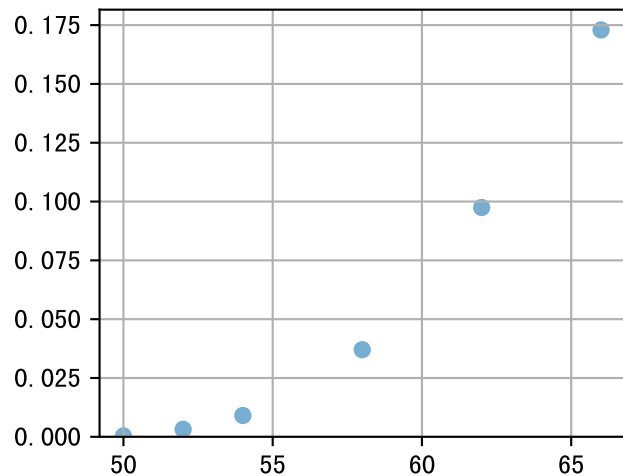
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P9AE-100-19T3Fr5 (fit failed)

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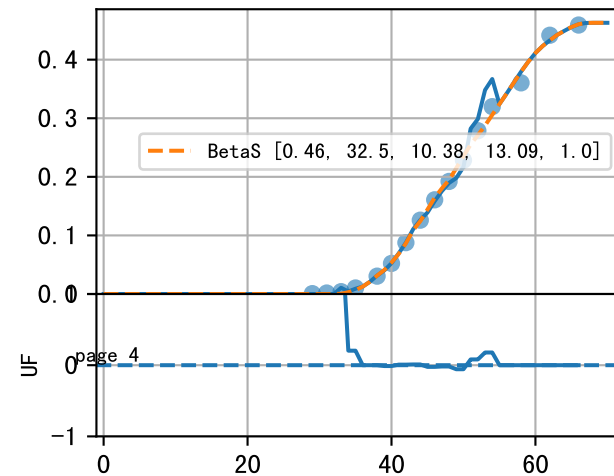
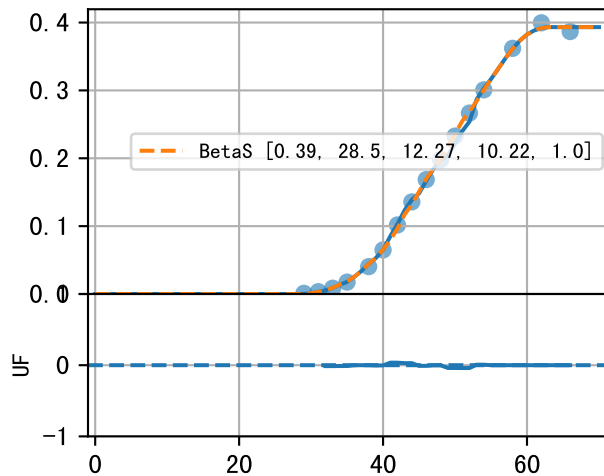
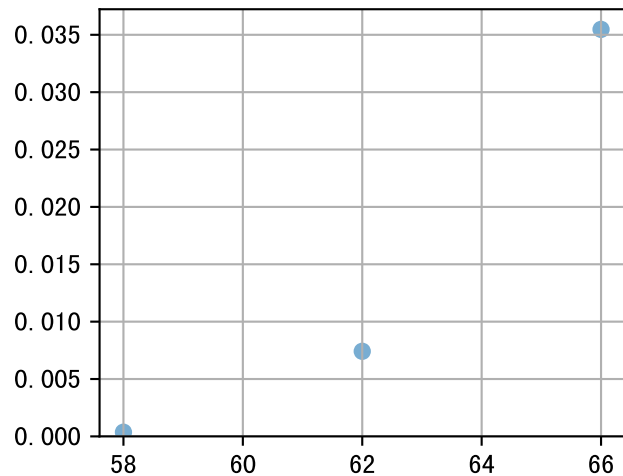
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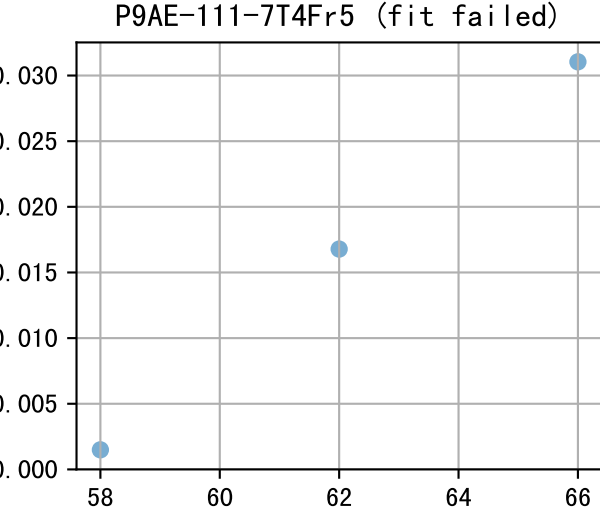
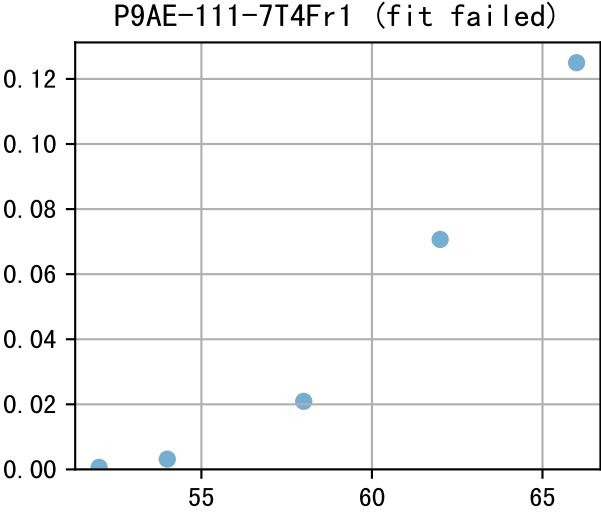
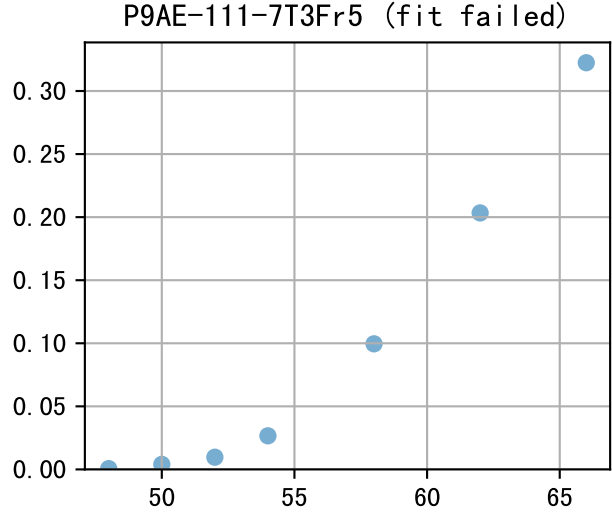
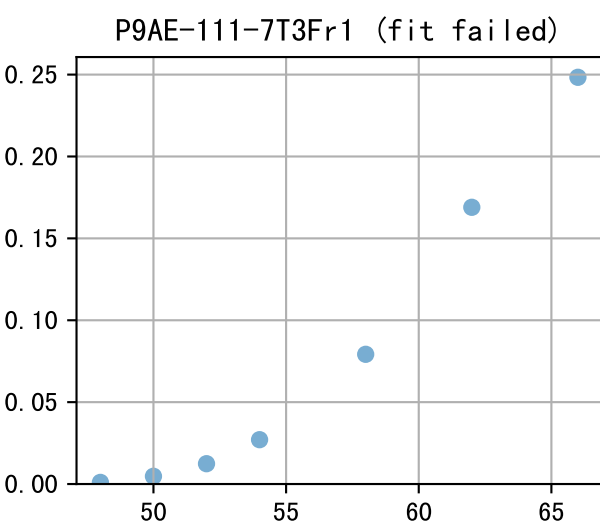
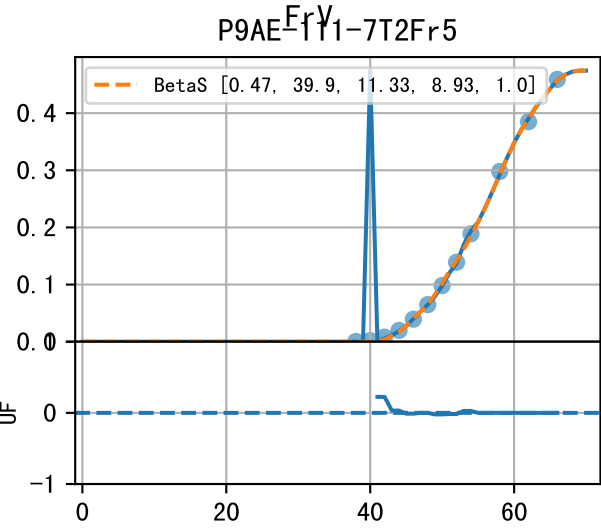
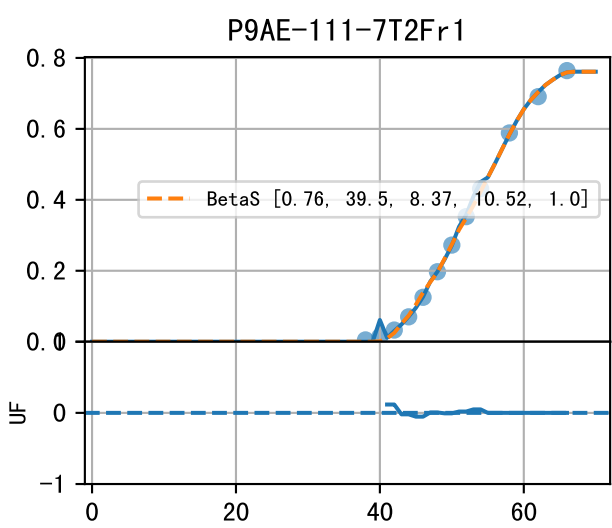


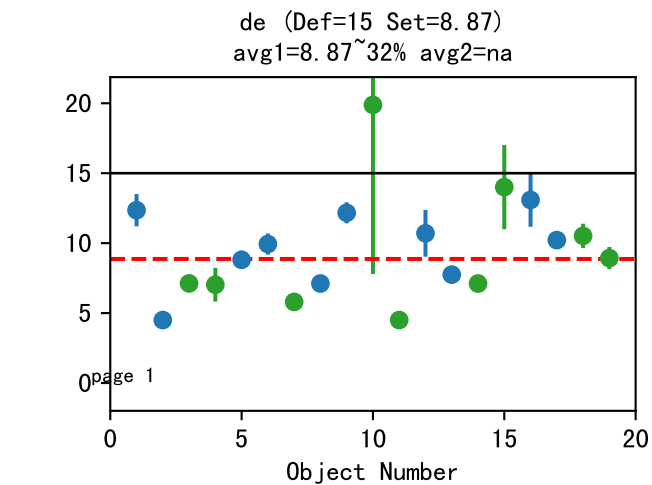
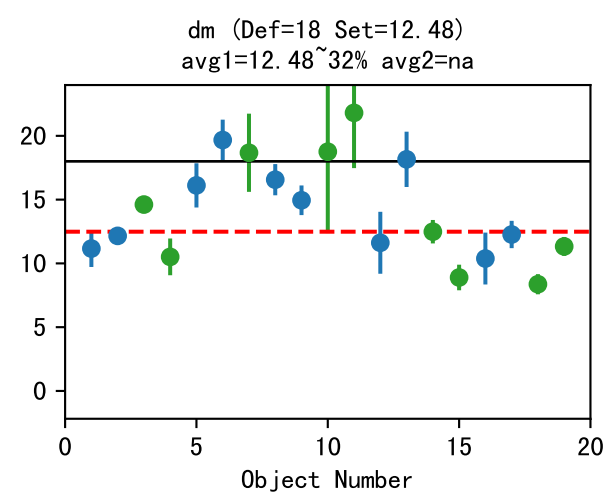
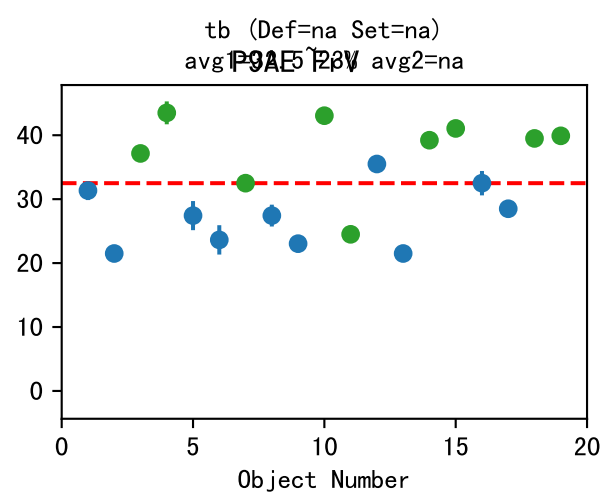
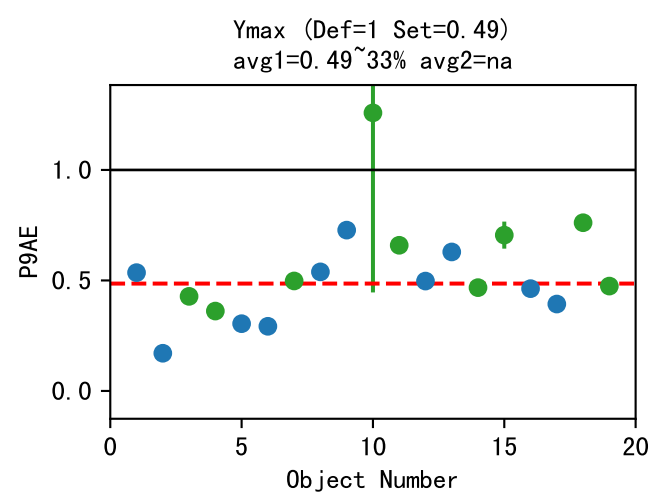
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P9AE-111-7T1Fr1

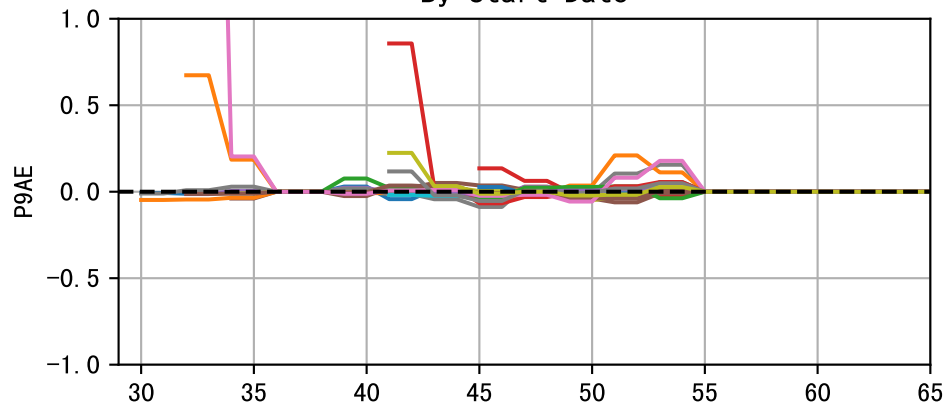
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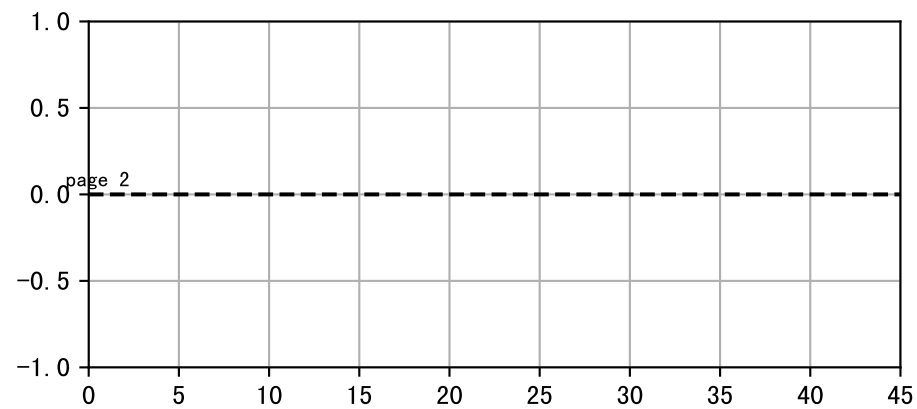
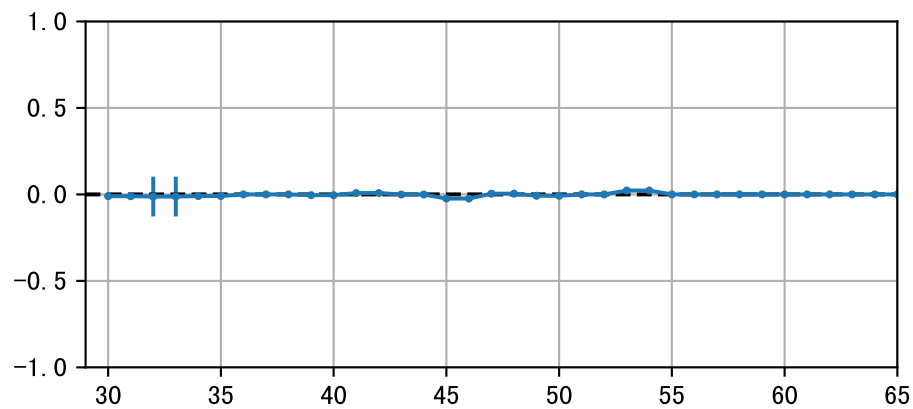
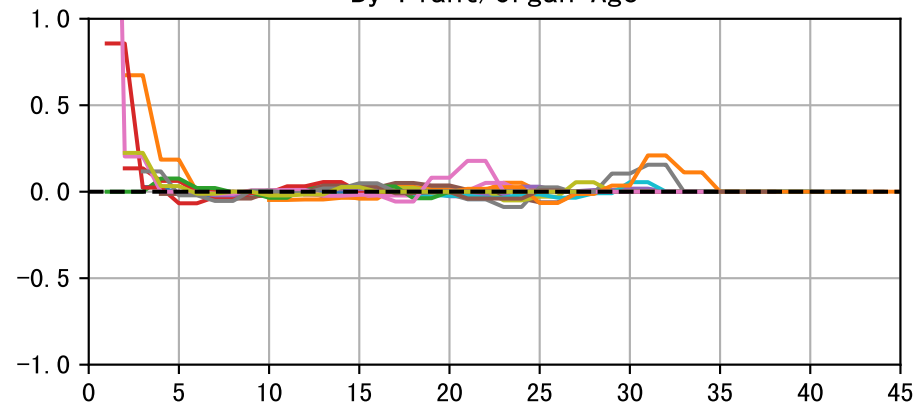


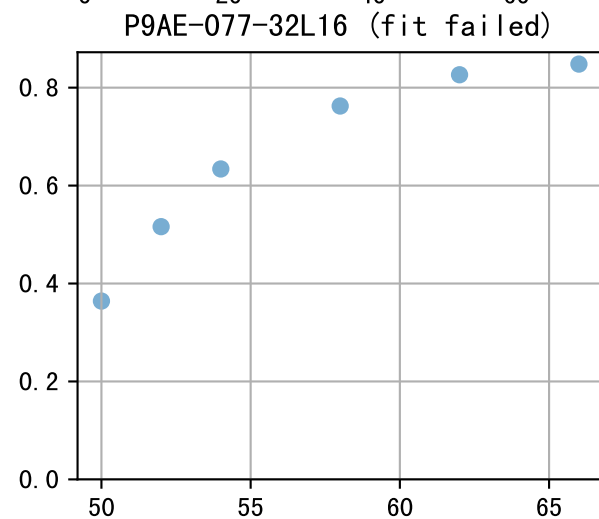
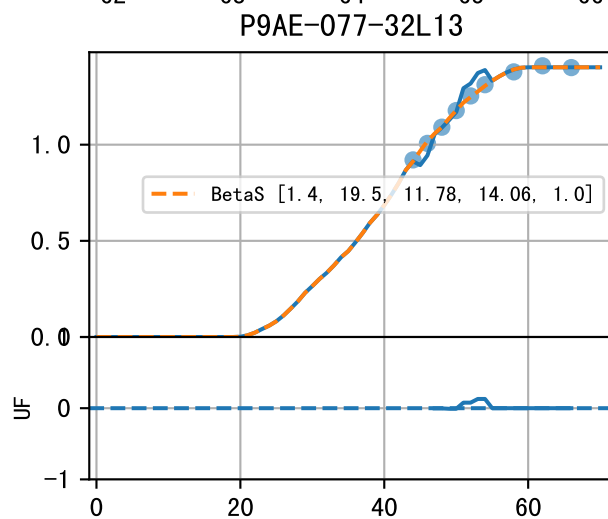
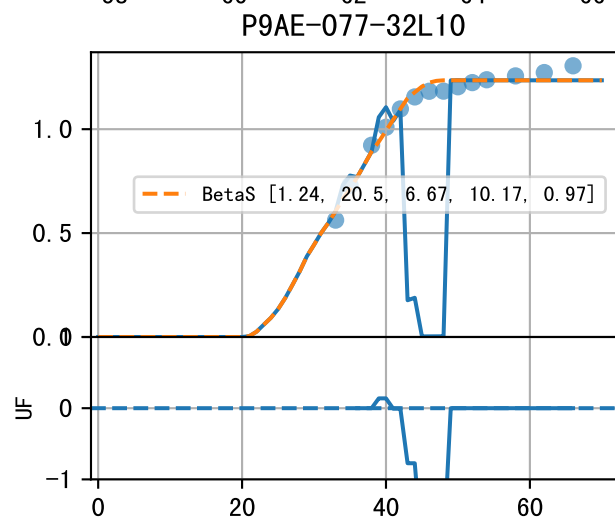
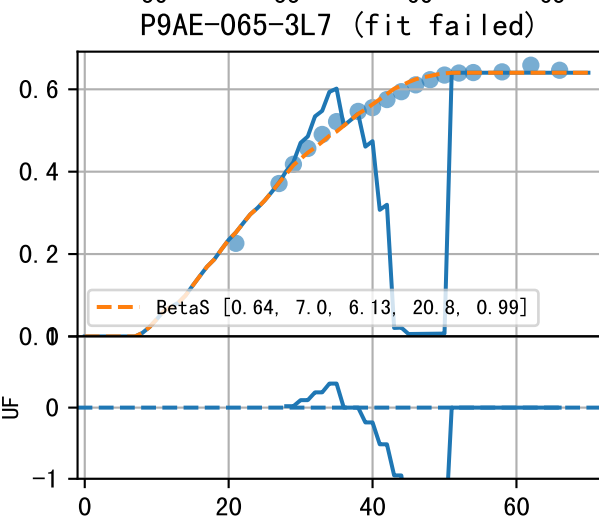
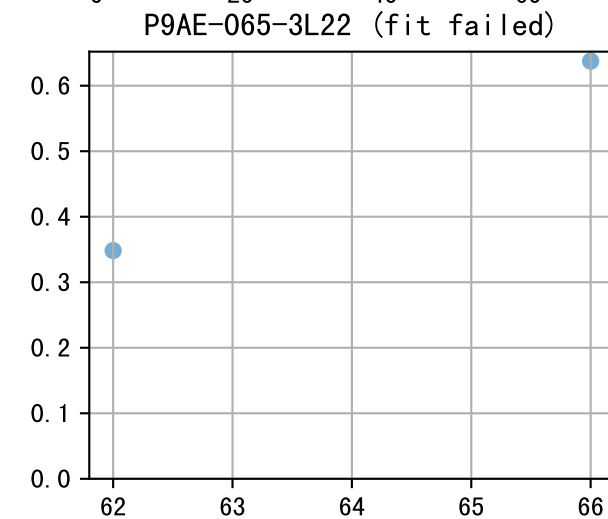
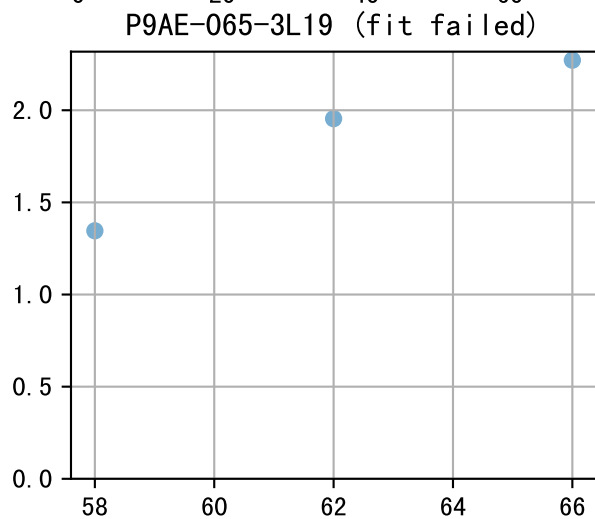
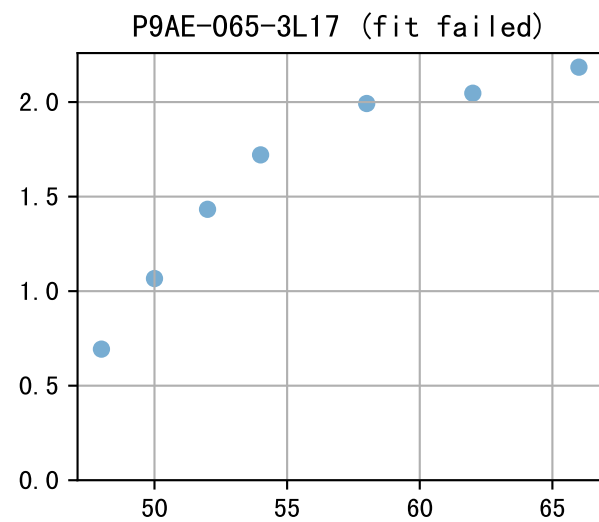
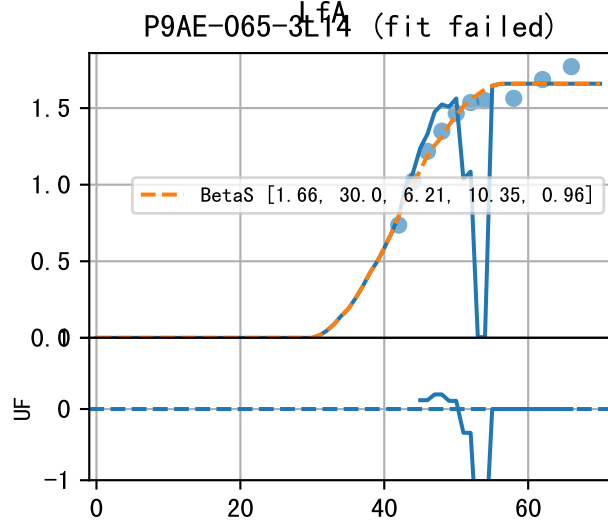
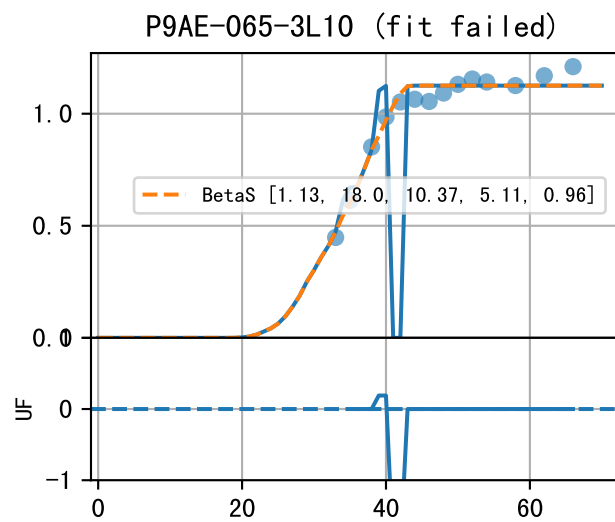


By Start Date

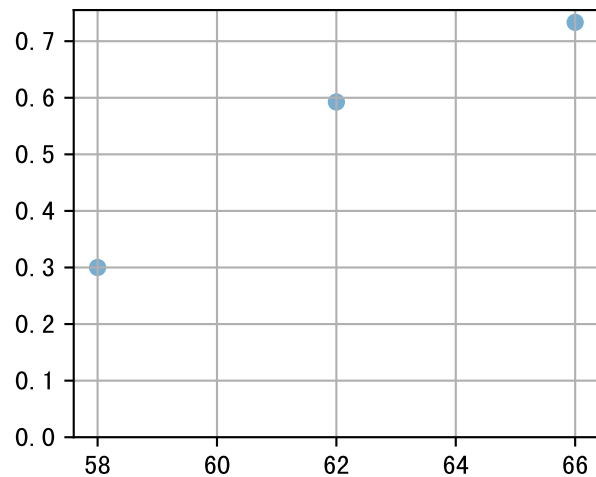


By Plant/Organ Age

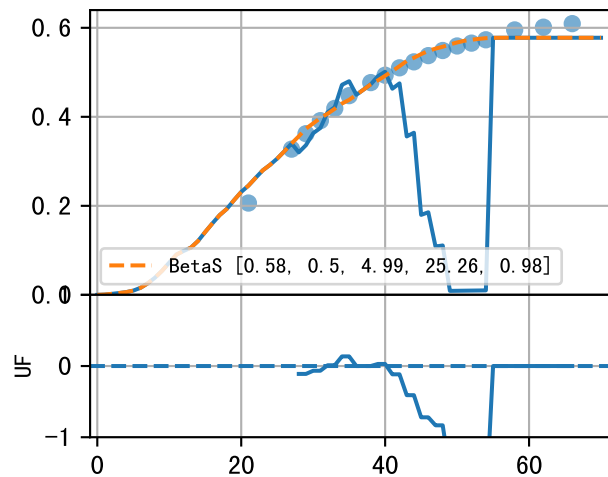




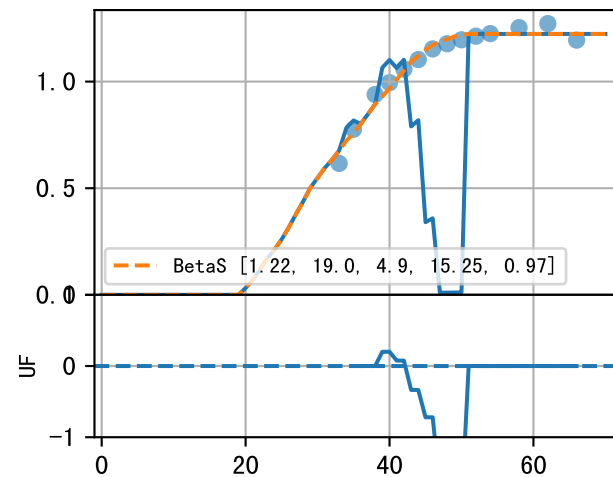
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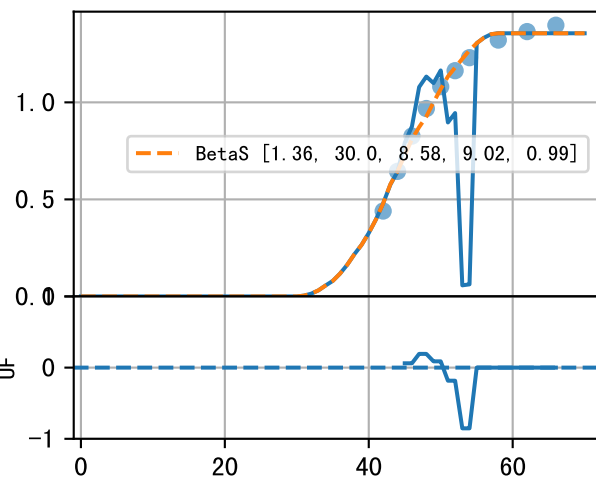
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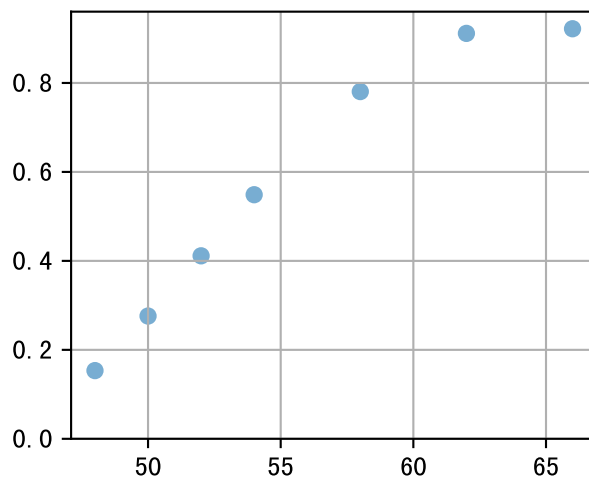
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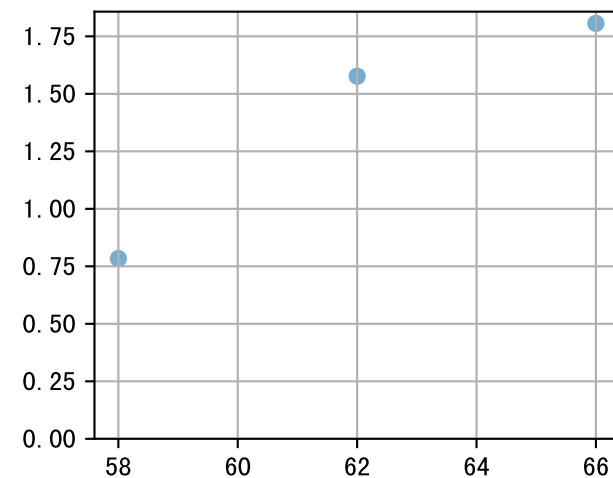
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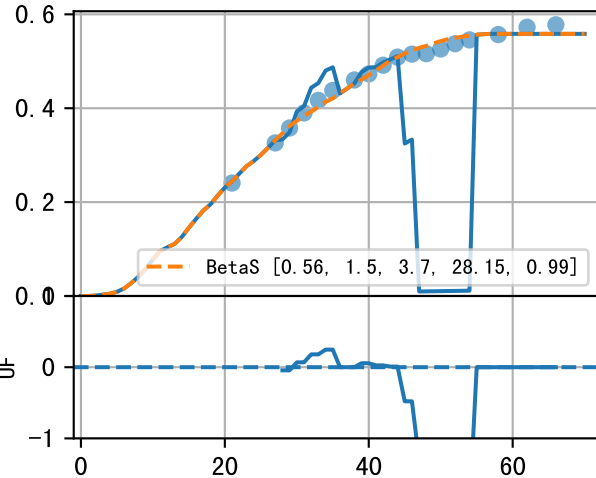
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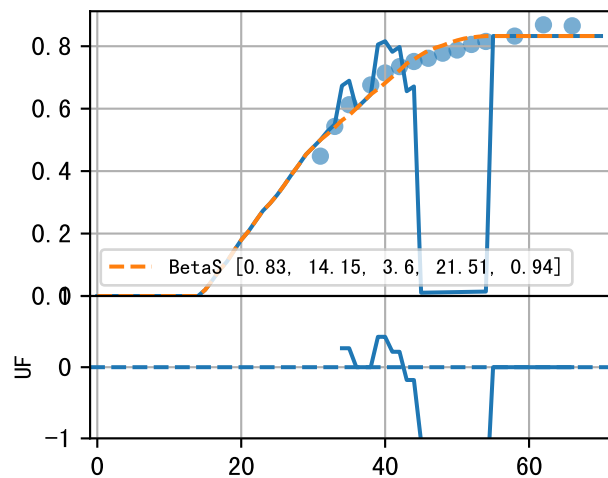
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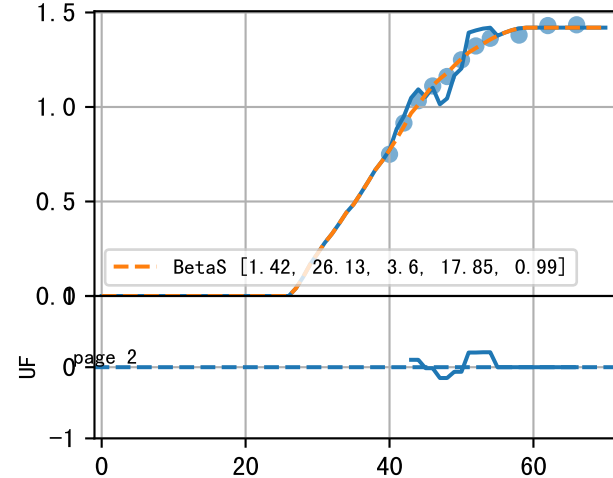
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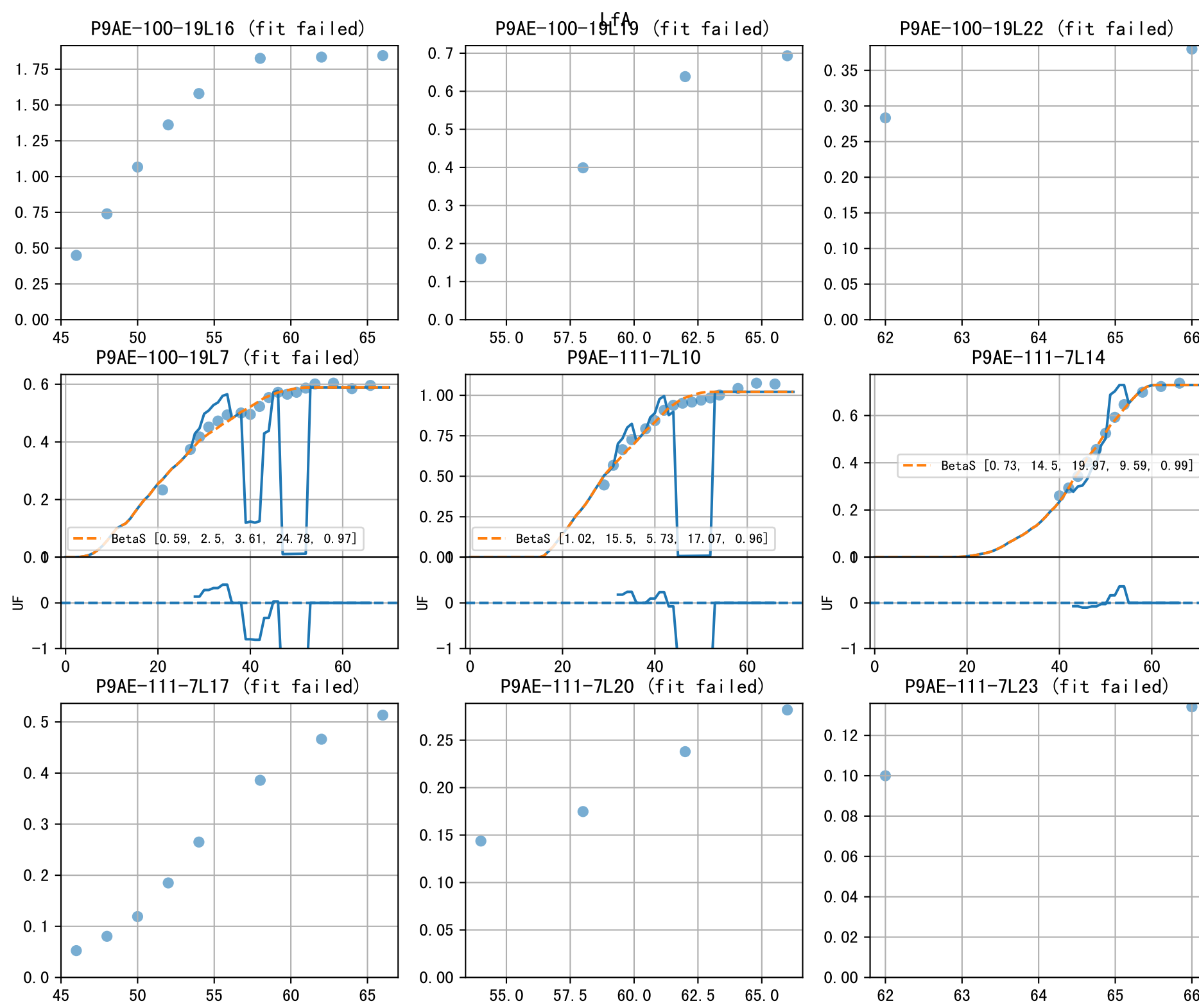


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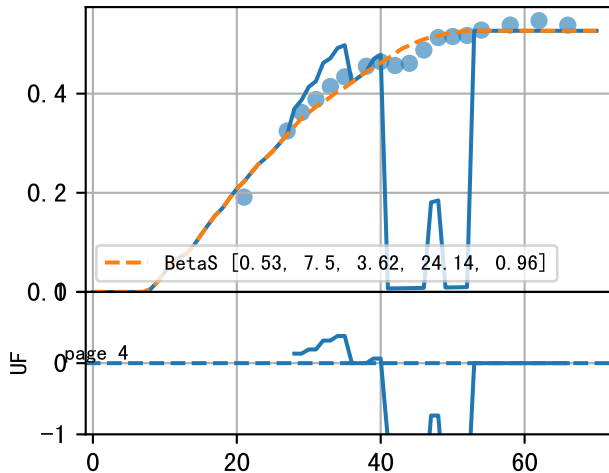


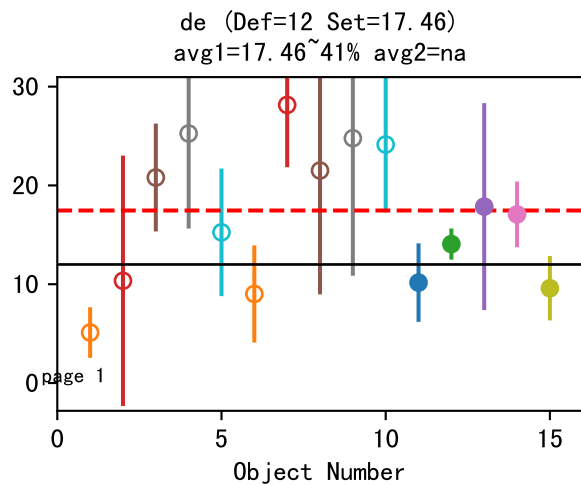
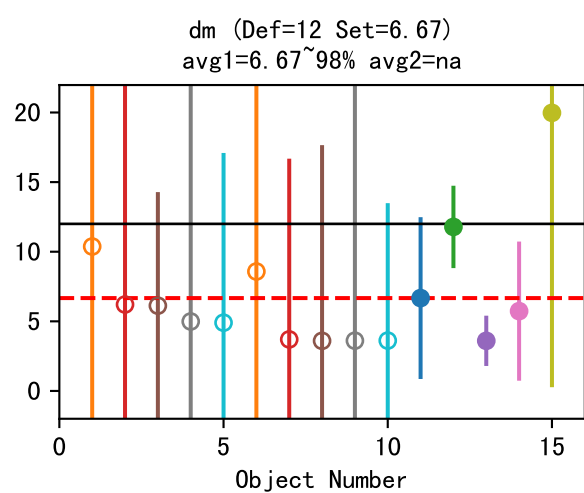
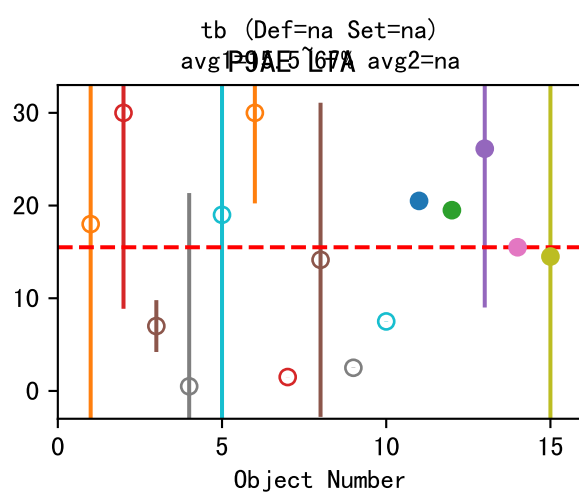
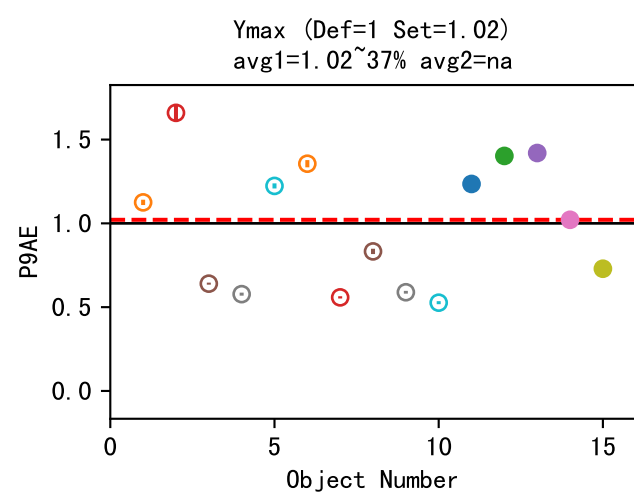
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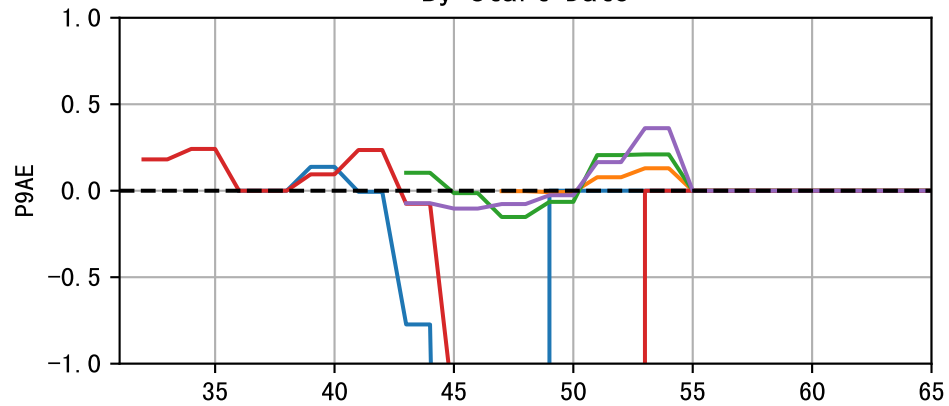


P9AE-111-7L7 (fit failed)

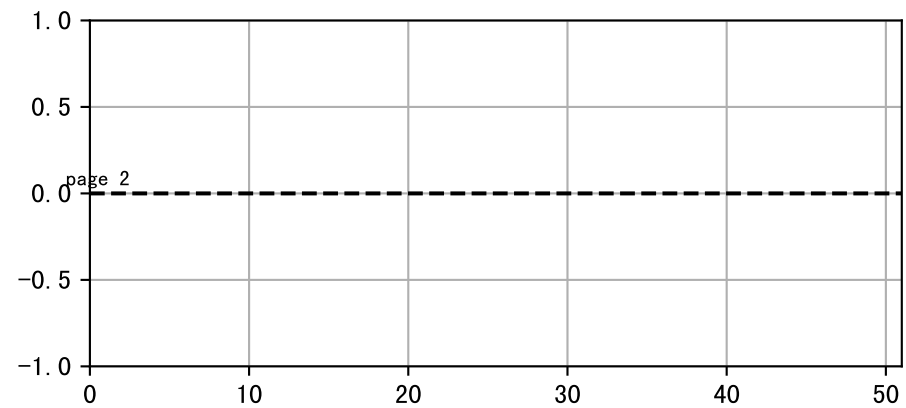
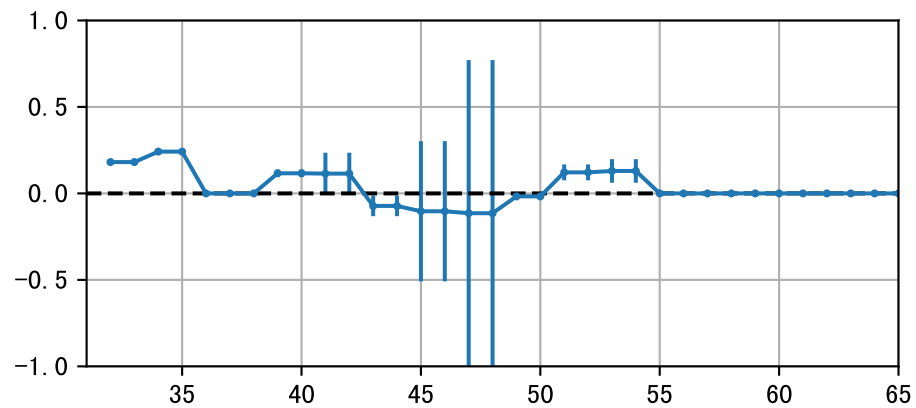
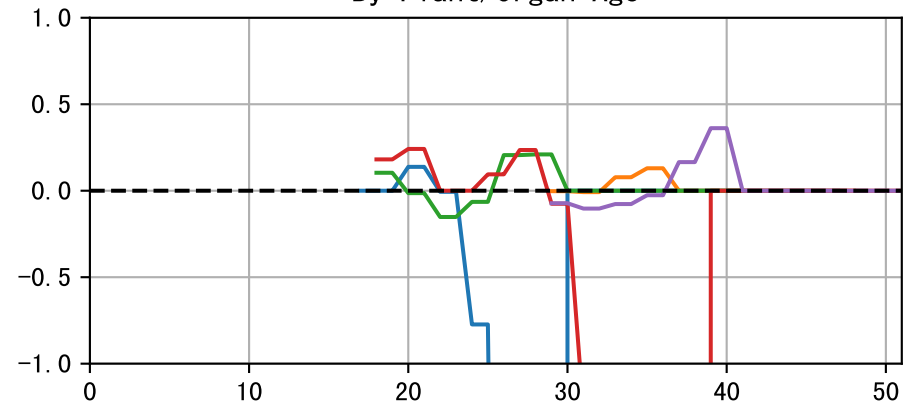


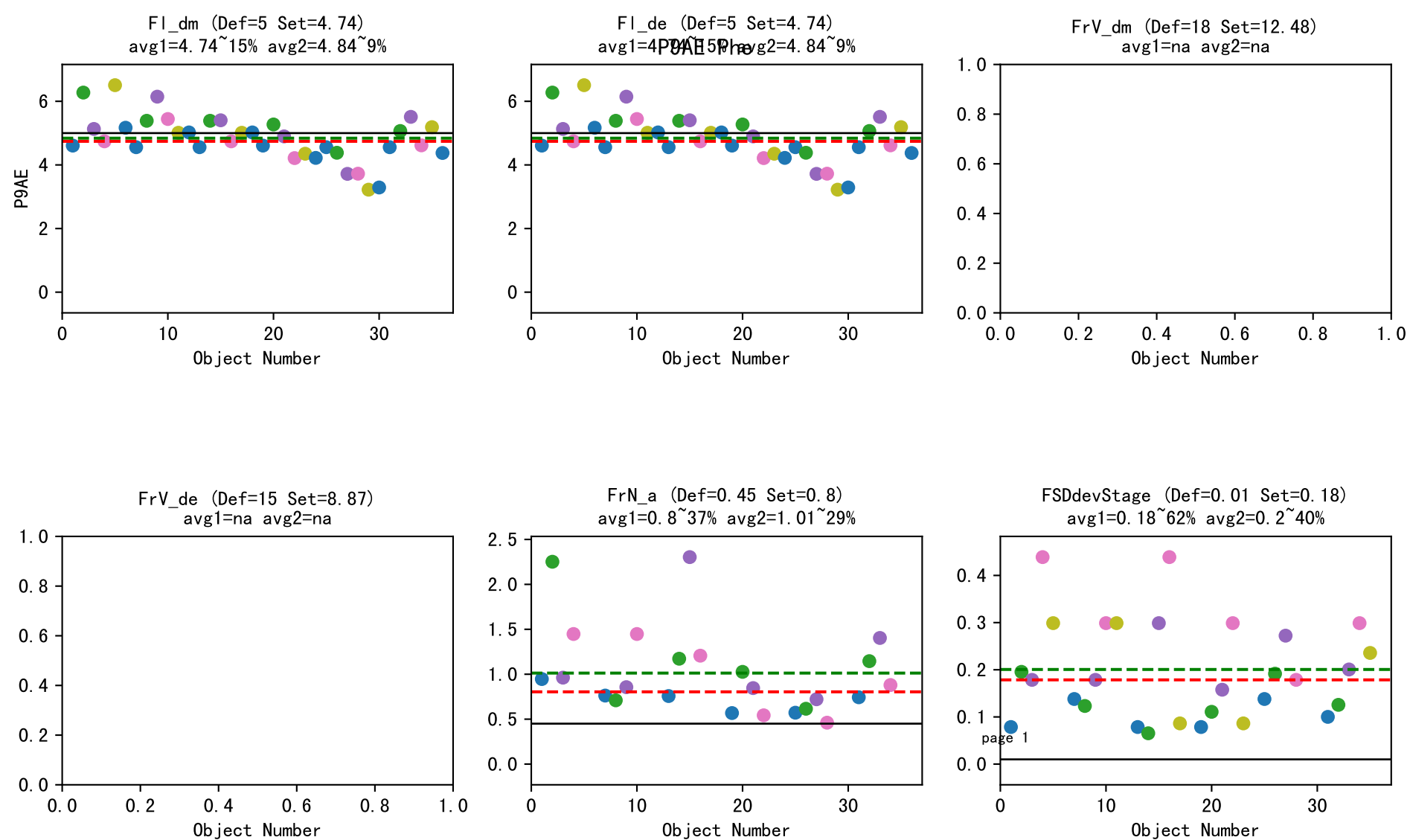


By Start Date

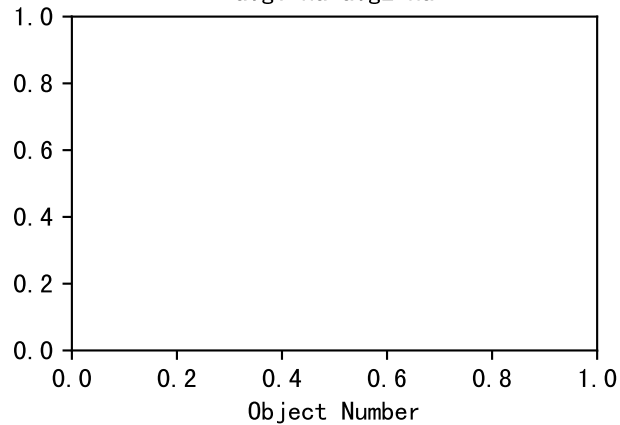


By Plant/Organ Age

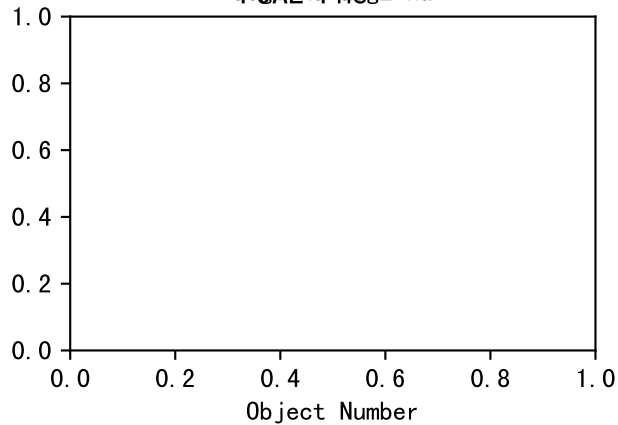




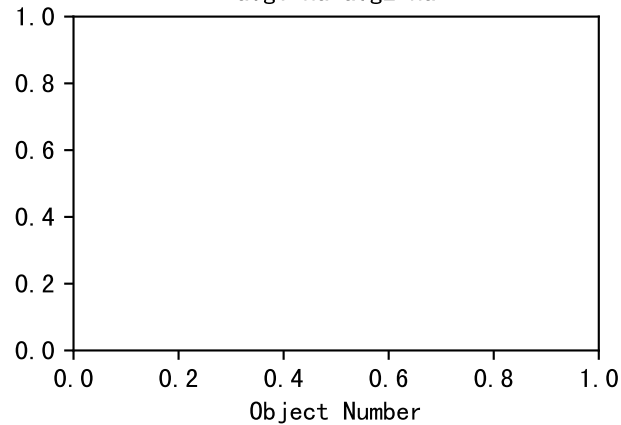
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avg1=na avg2=na



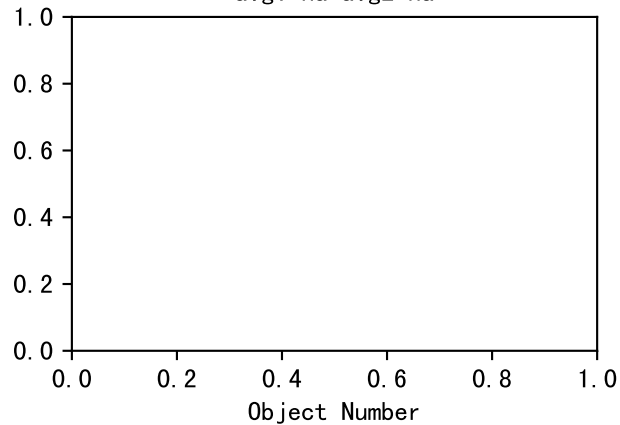
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avg1=na avg2=na



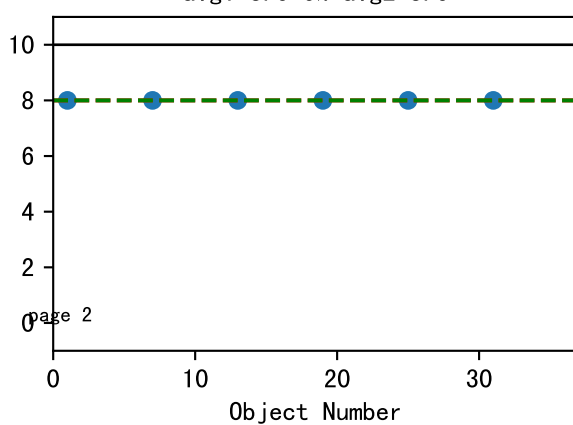
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

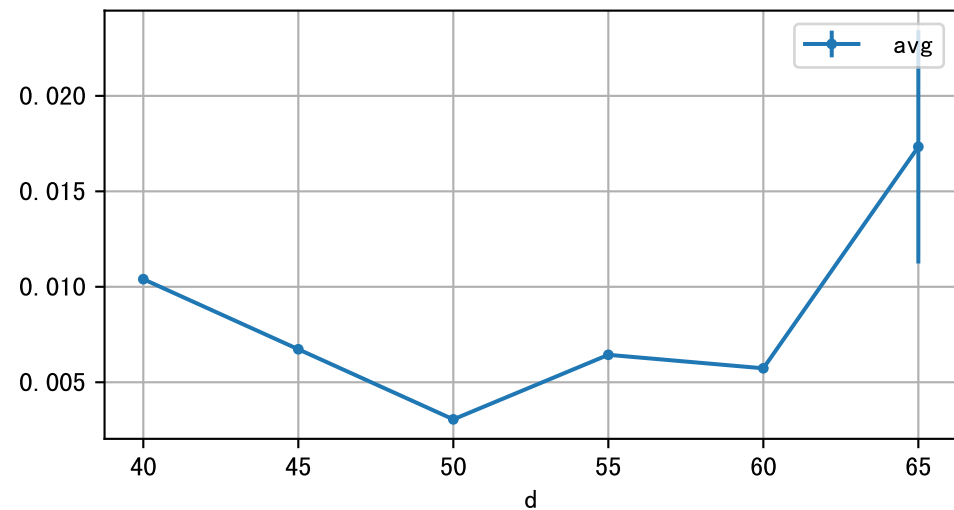


NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=8.0

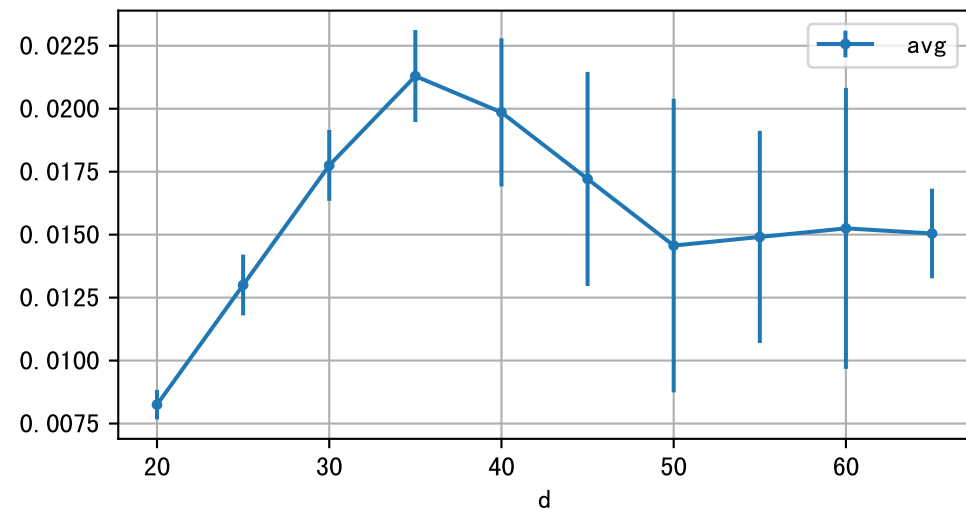


LfA: avg vs. d at each age group

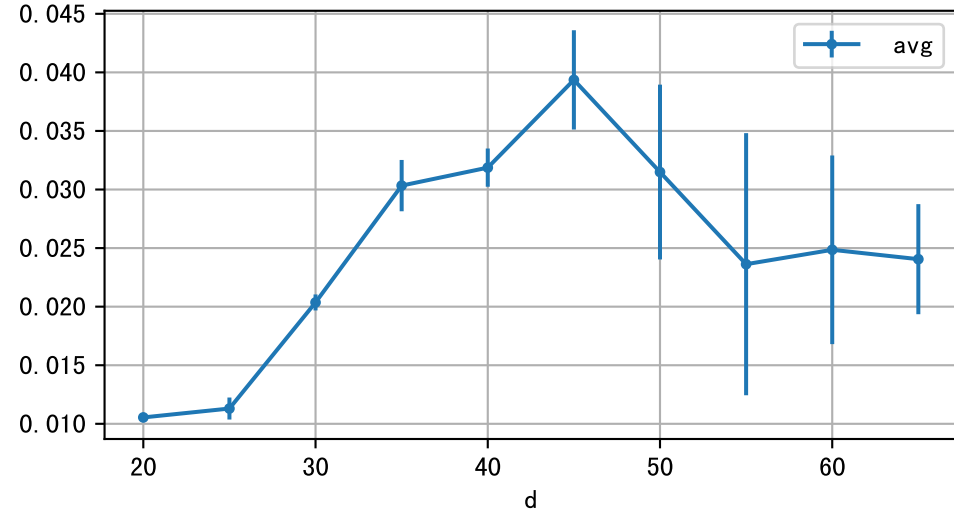
age=15



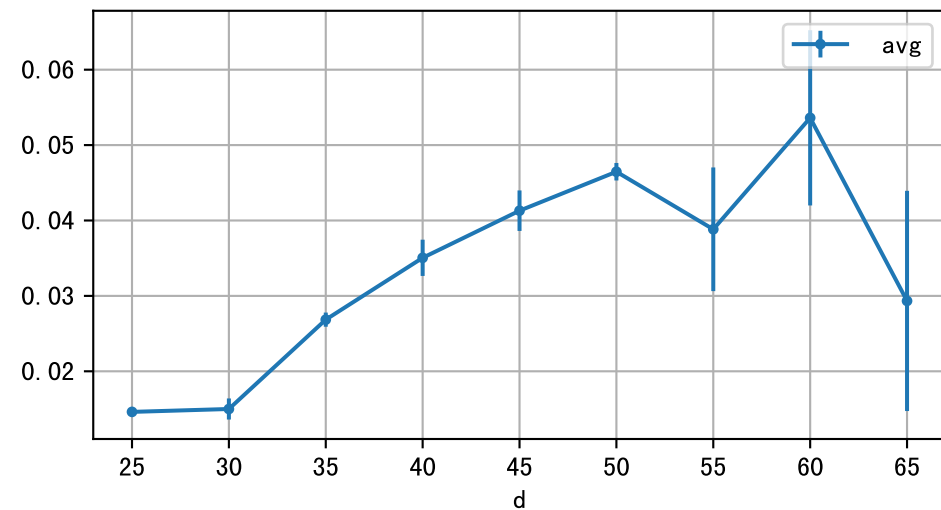
age=20

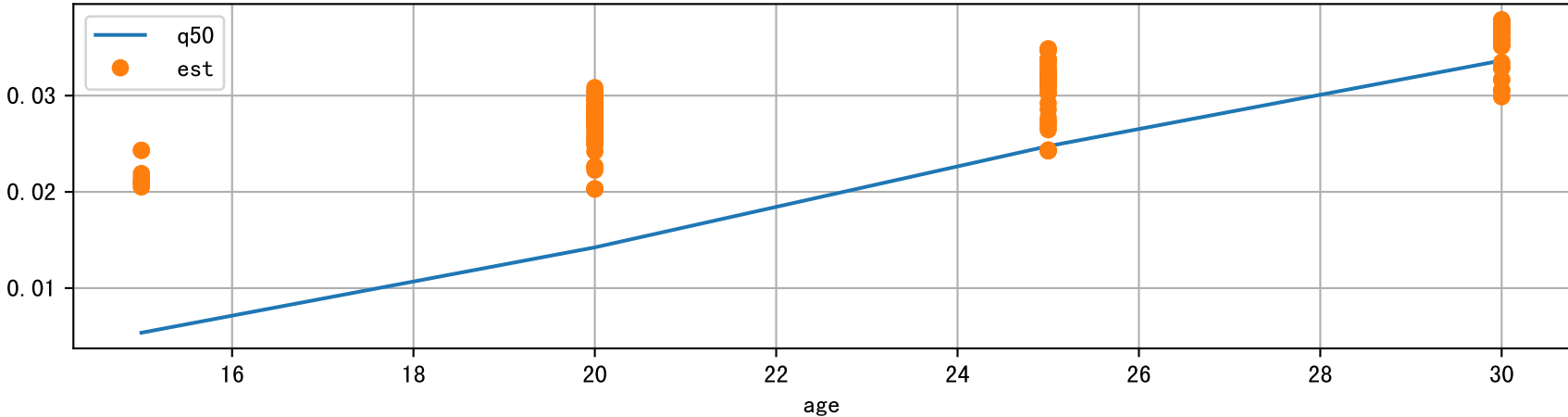


age=25



age=30



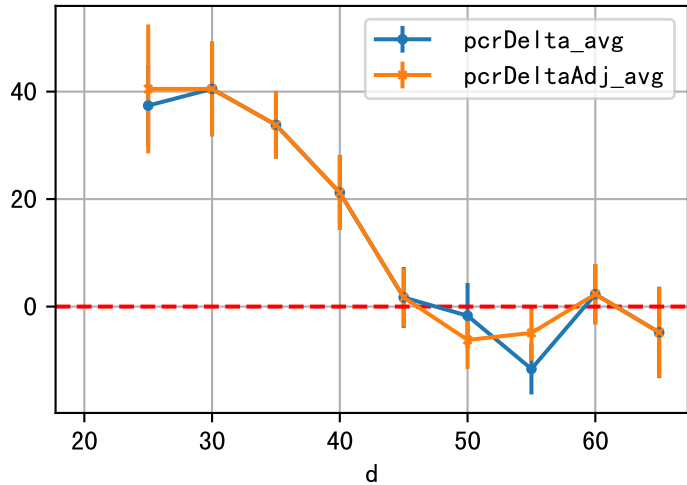
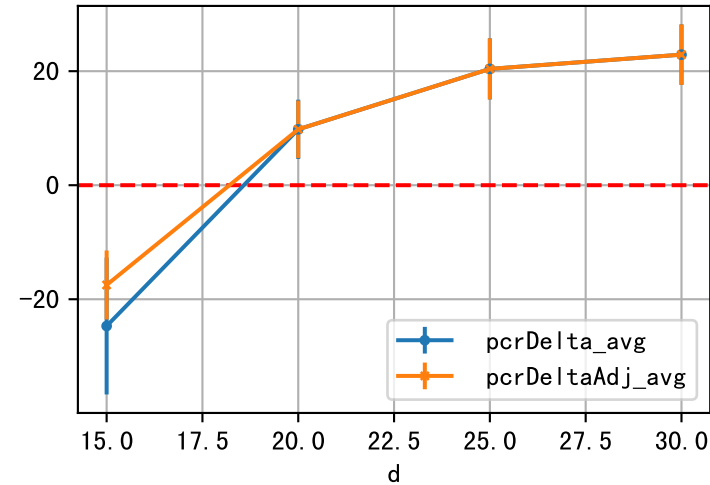


P9AE LfA: D_5d_LfA

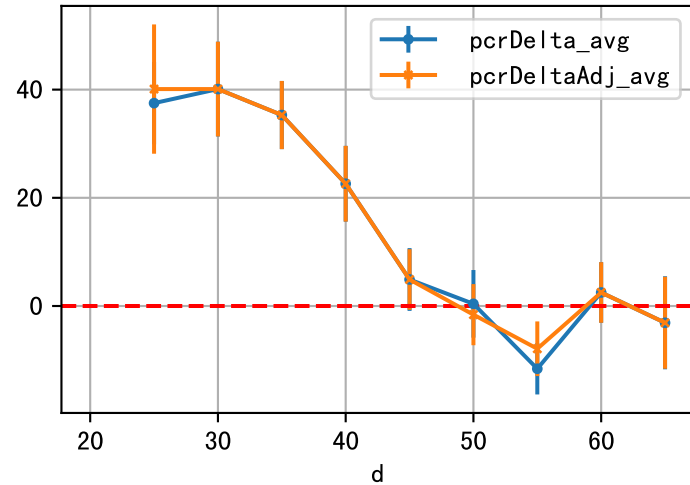
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD



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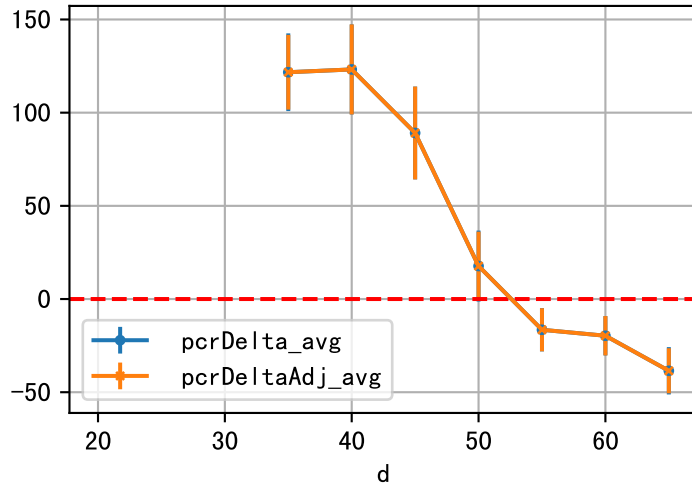
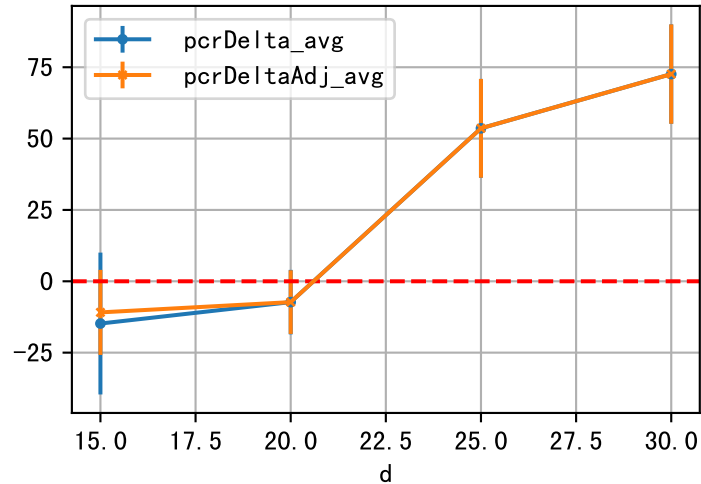


P9AE LfA: D_15d_LfA

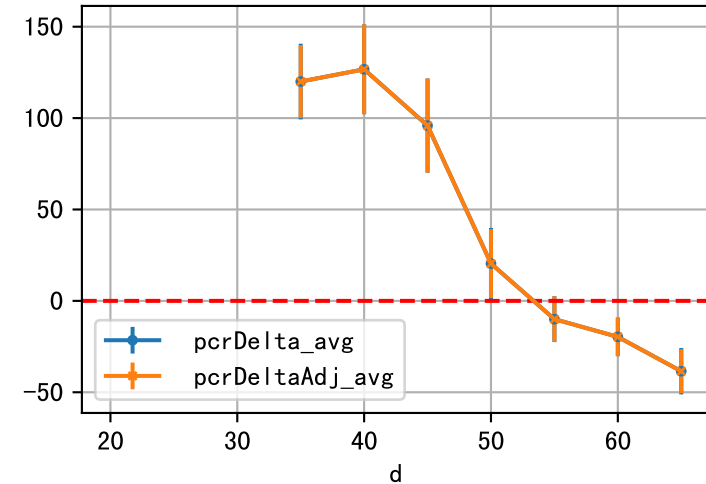
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

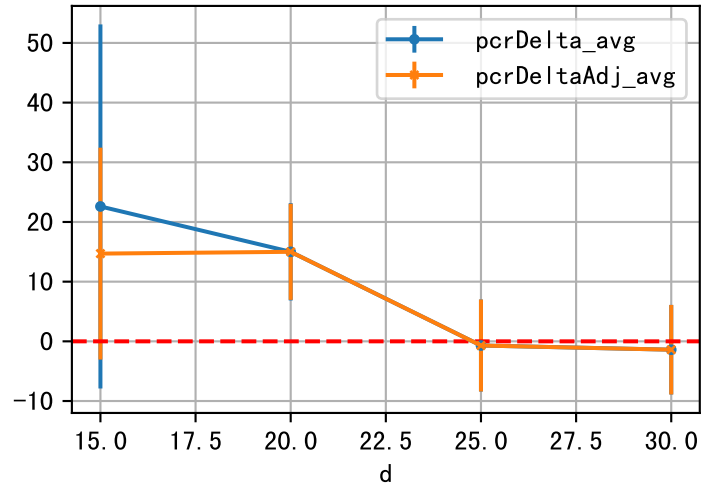


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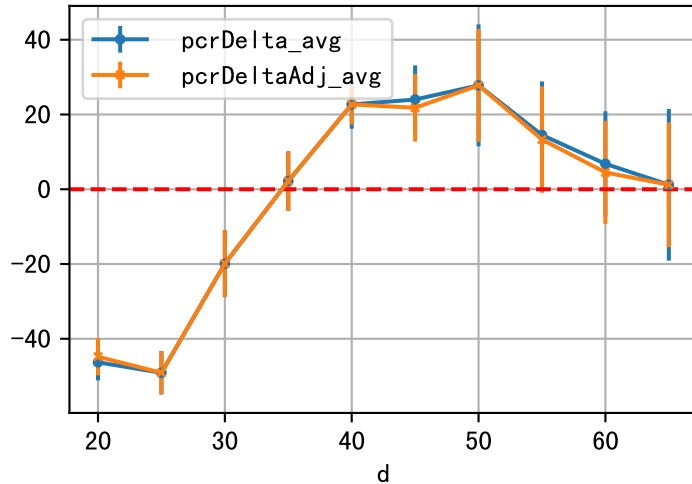


P9AE LfA: D_Q50_LfA

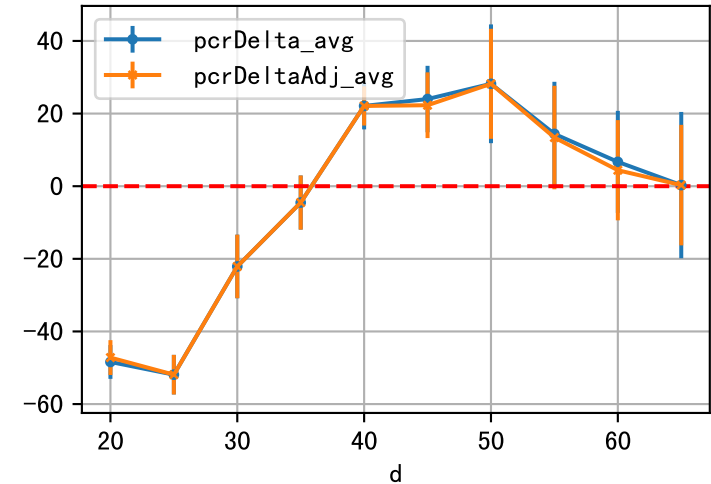
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

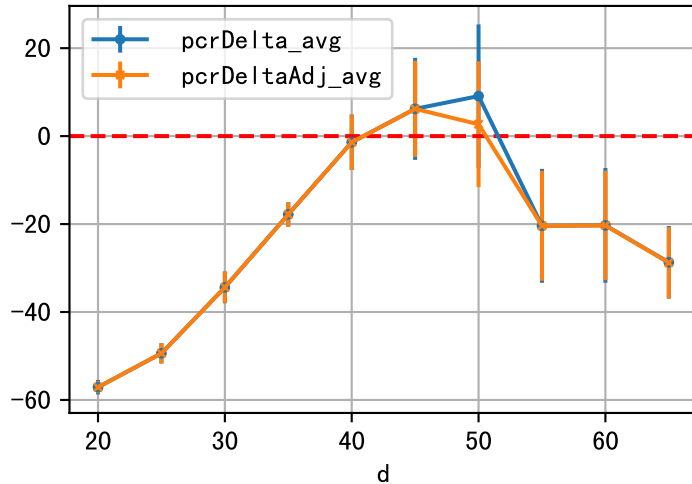
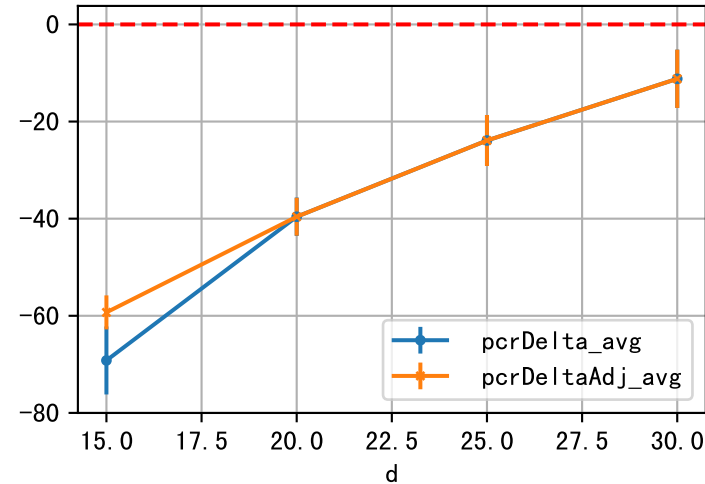


P9AE LfA: D_Est_LfA

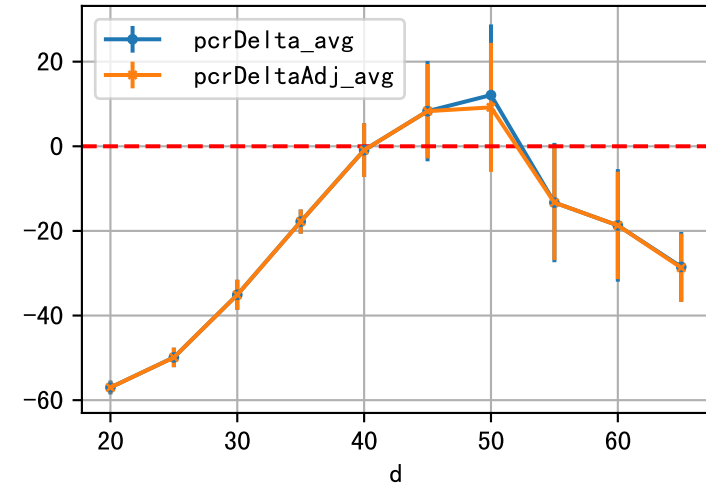
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

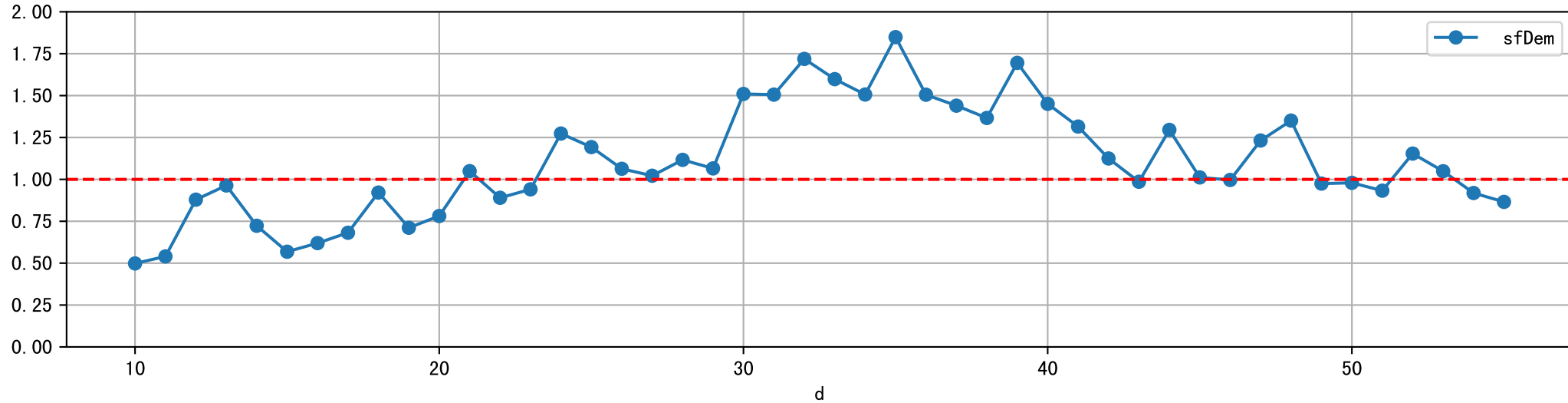
DeltaTypeAbbr=Wei AvgByD

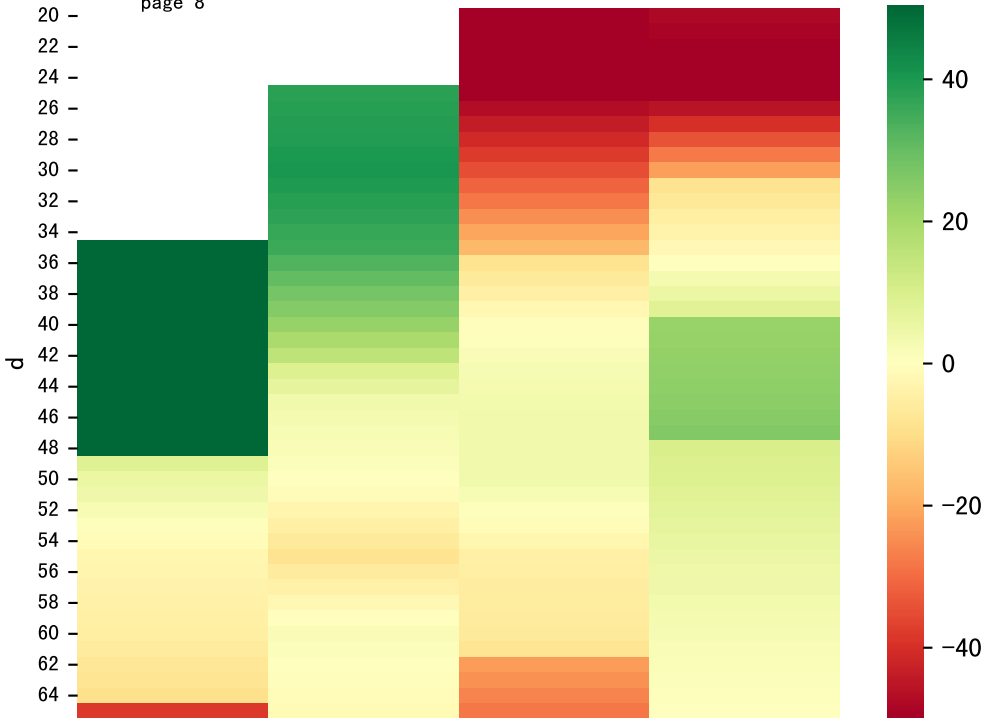


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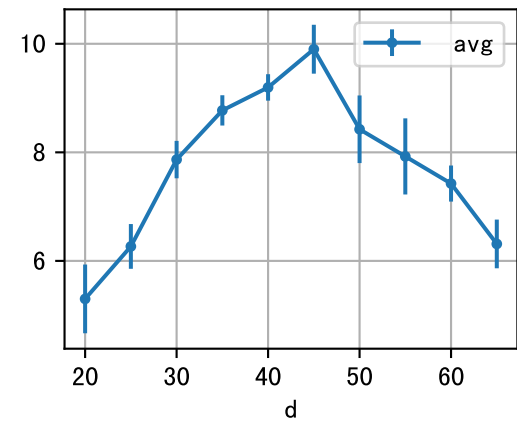
LfA: sfDem



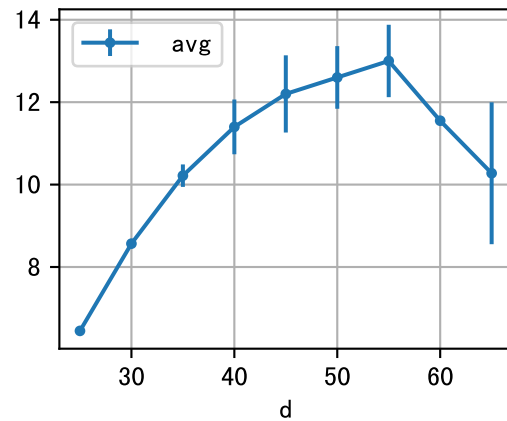


NdD: avg vs. d at each age group

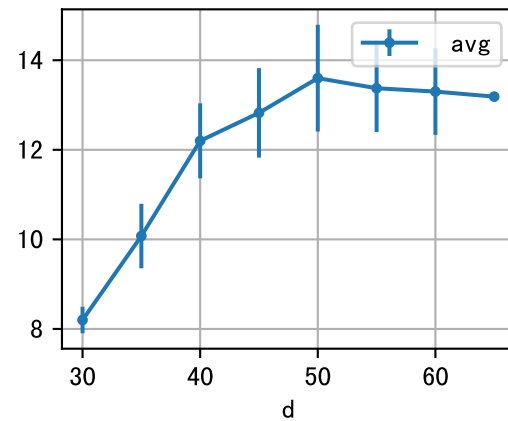
age=15



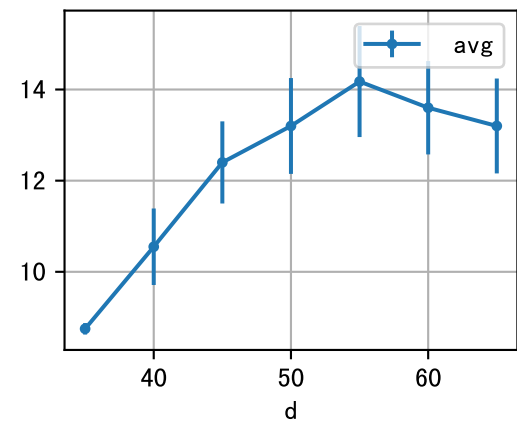
age=20



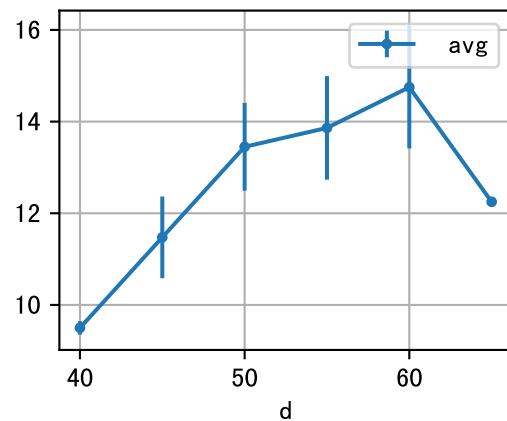
age=25



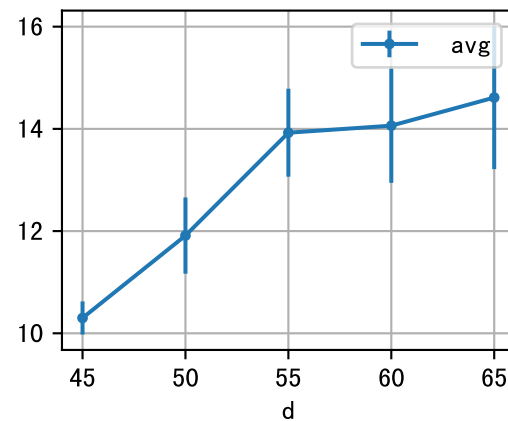
age=30



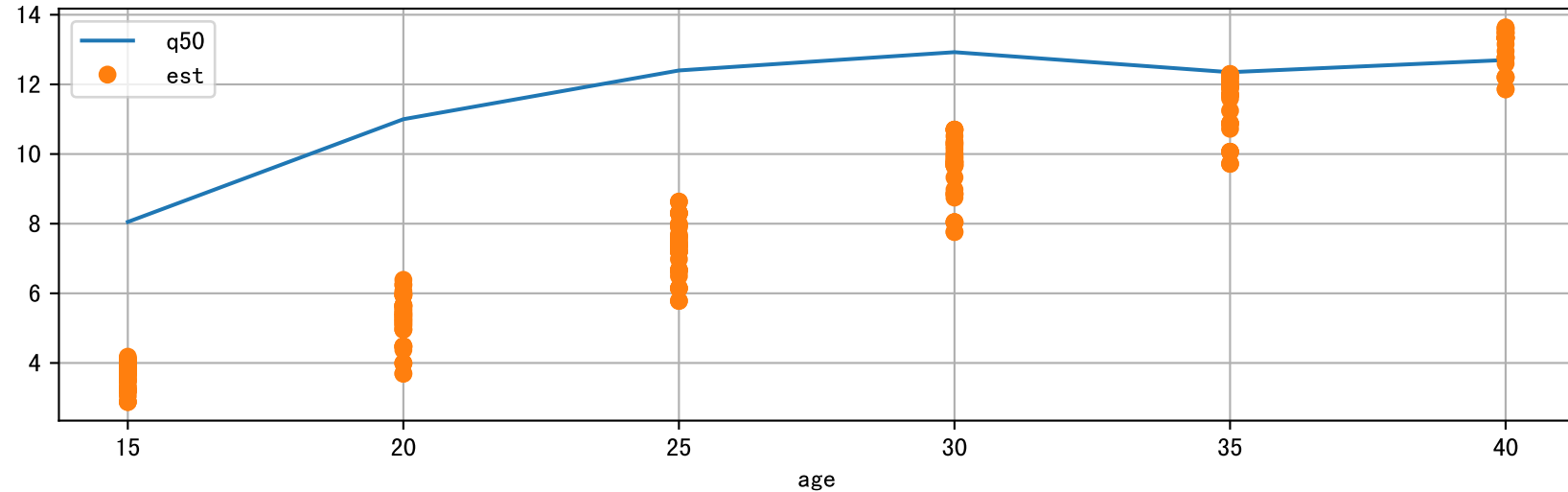
age=35



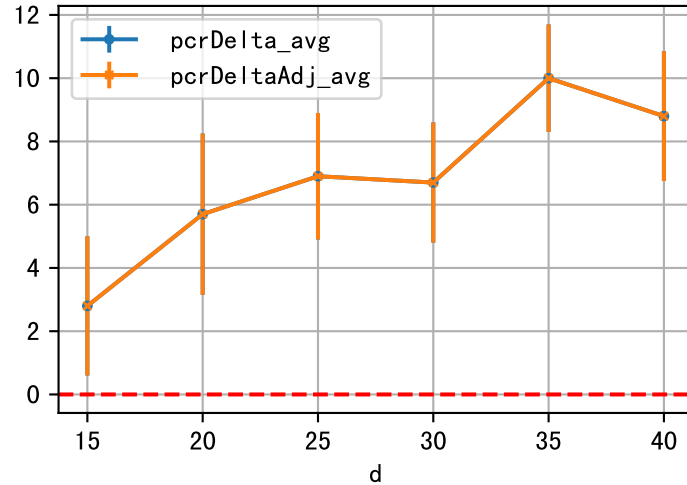
age=40



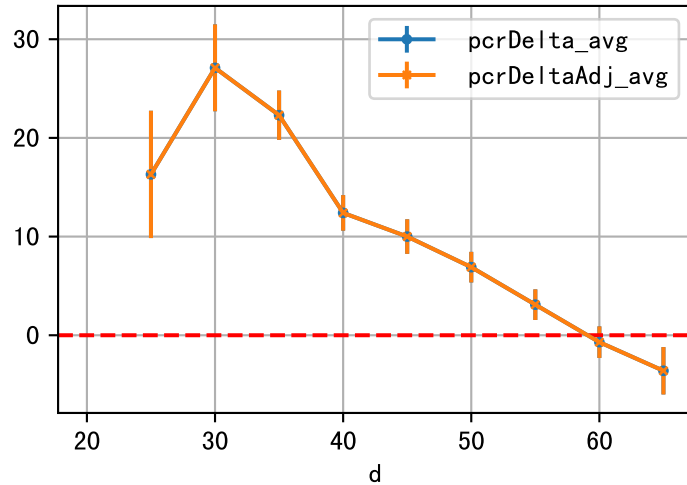
NdD: model est vs obs0v@Q50



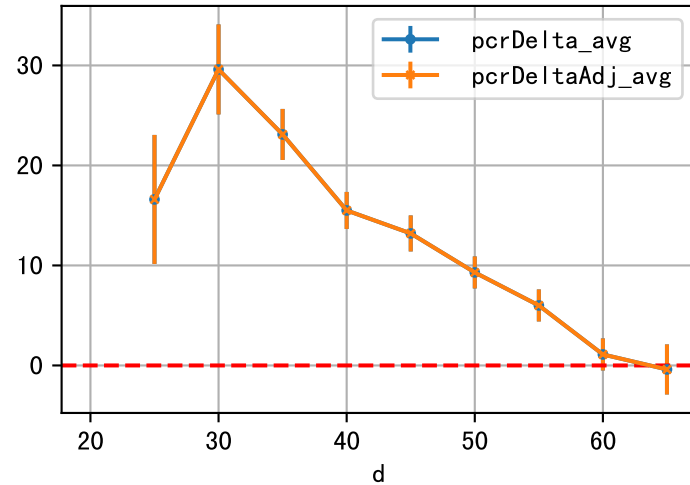
DeltaTypeAbbr=GrpByAge



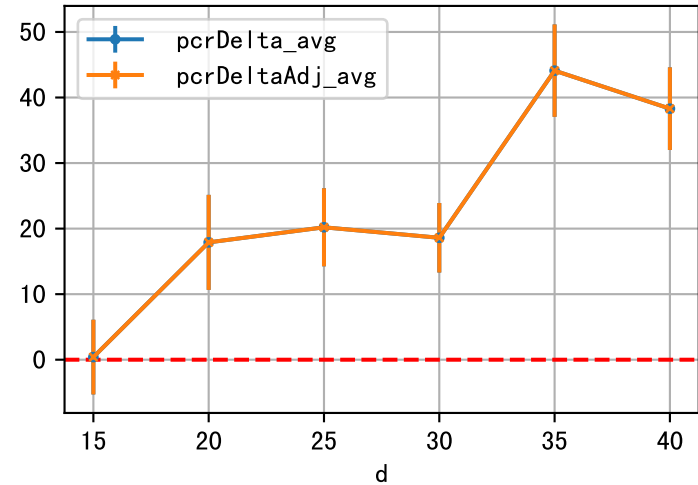
DeltaTypeAbbr=GrpByDay



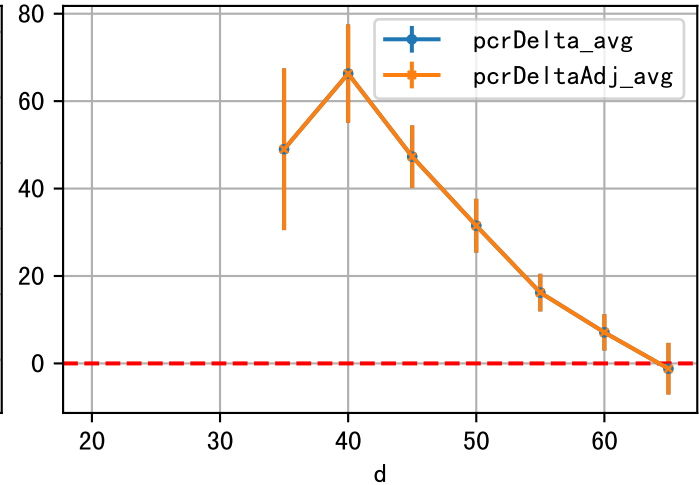
DeltaTypeAbbr=Wei AvgByD



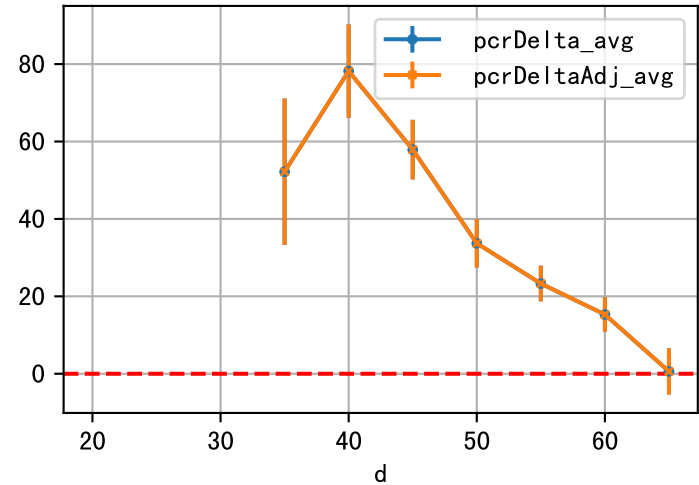
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



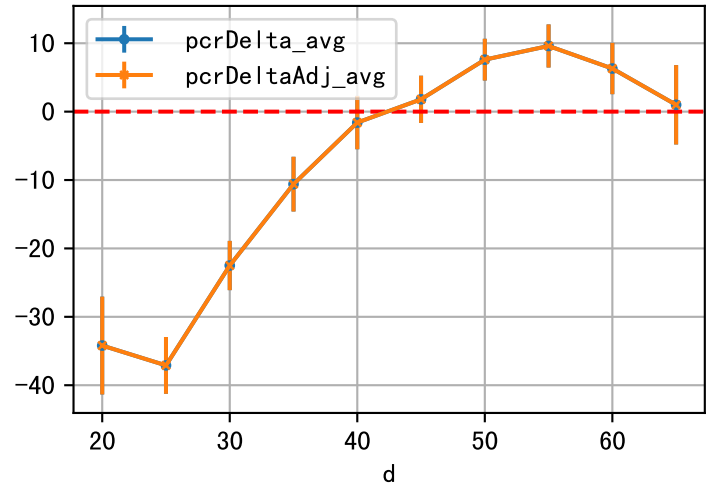
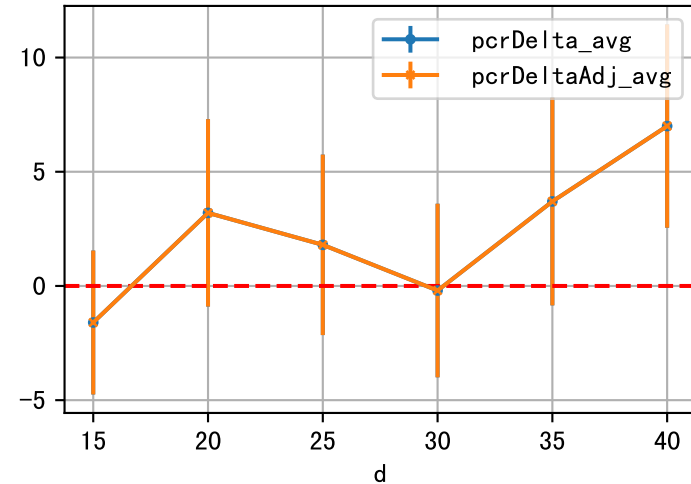
DeltaTypeAbbr=WeiAvgByD



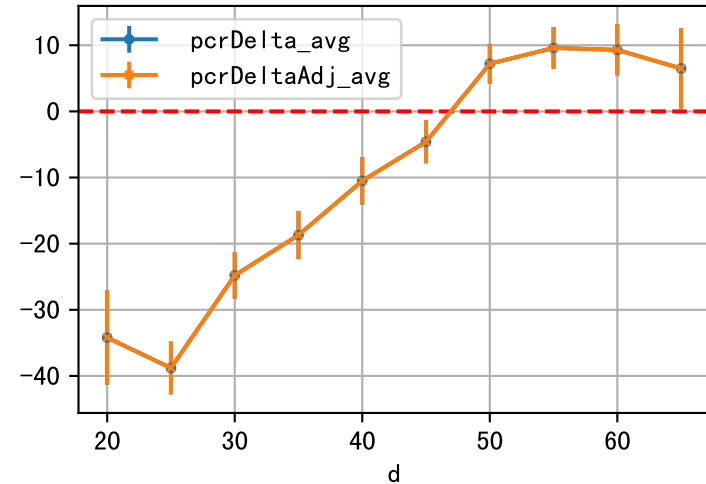
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

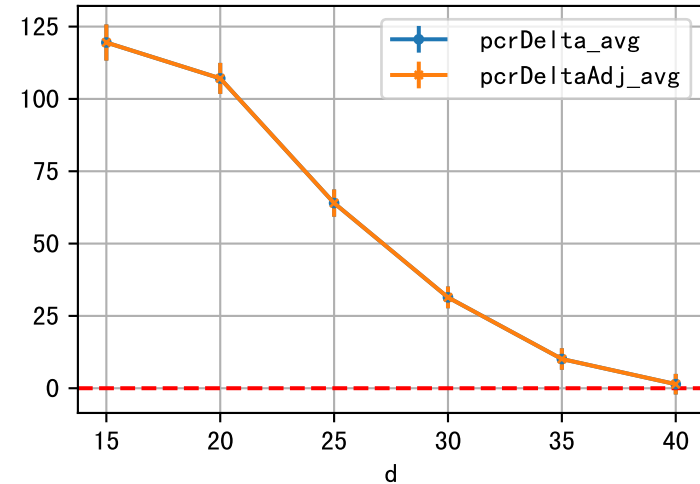
DeltaTypeAbbr=Wei AvgByD



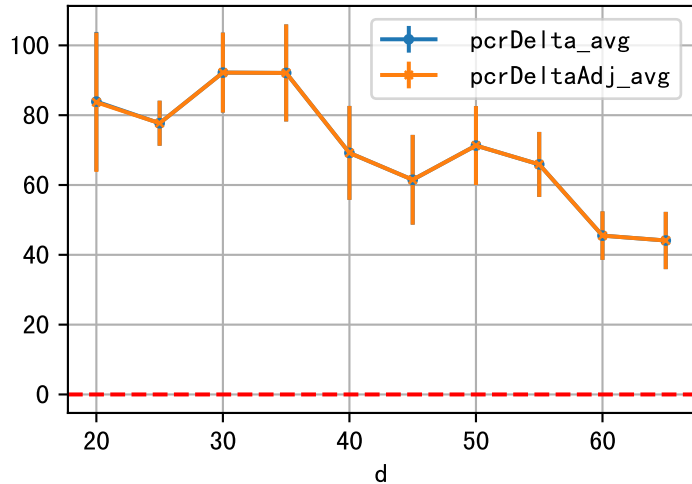
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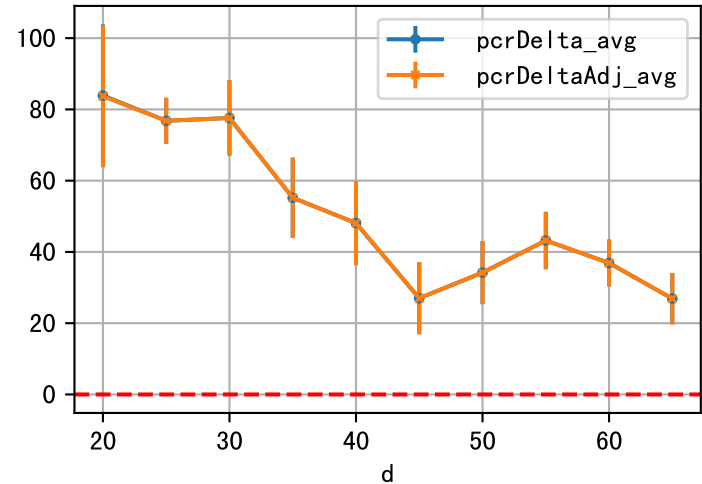
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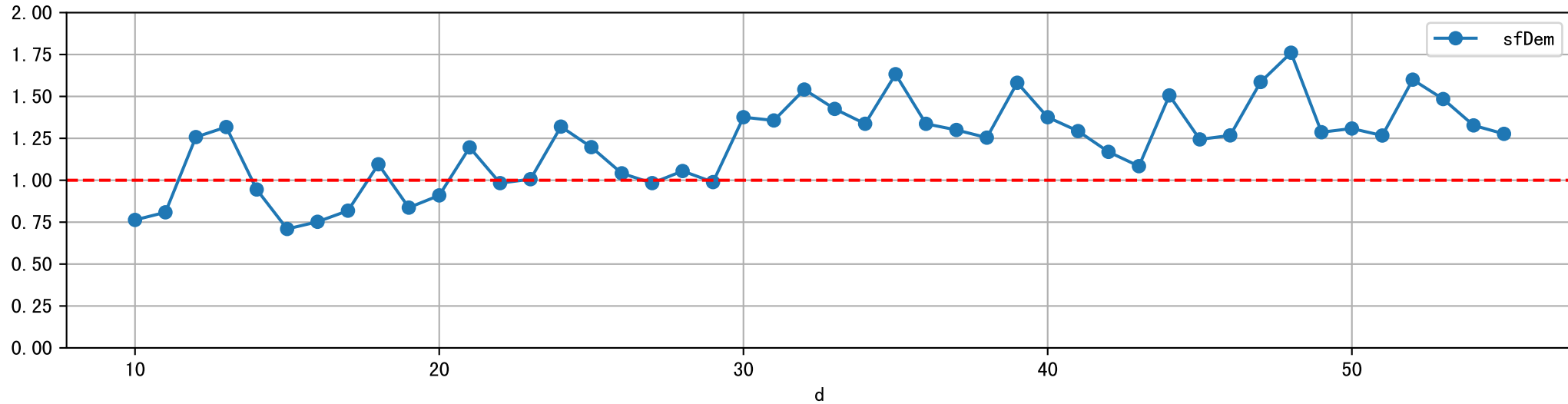
DeltaTypeAbbr=GrpByDay

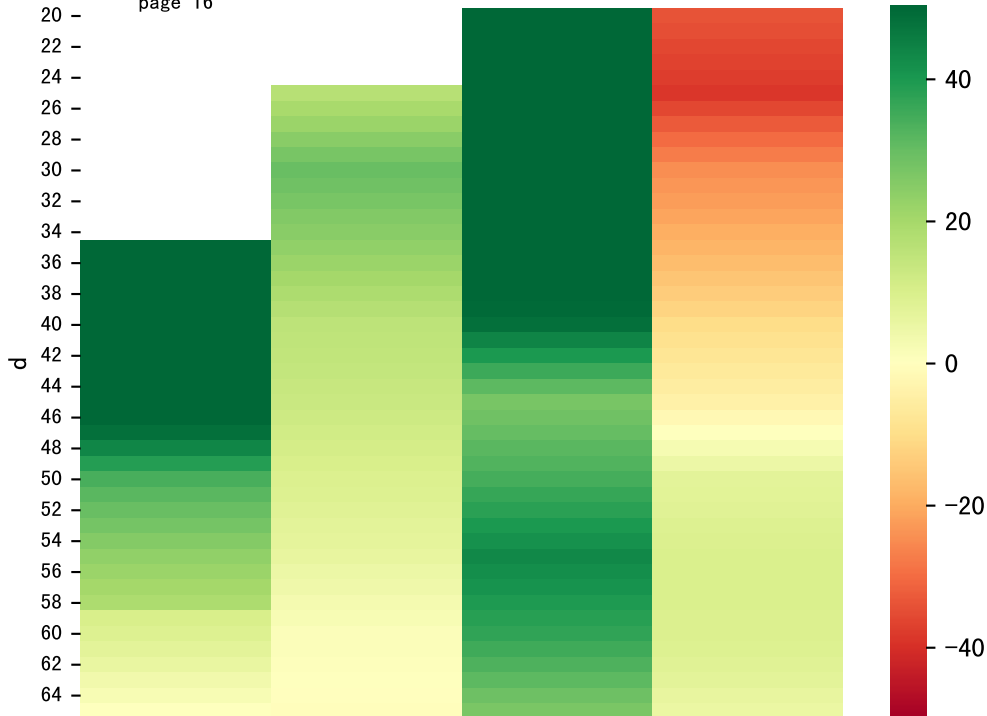


DeltaTypeAbbr=Wei AvgByD

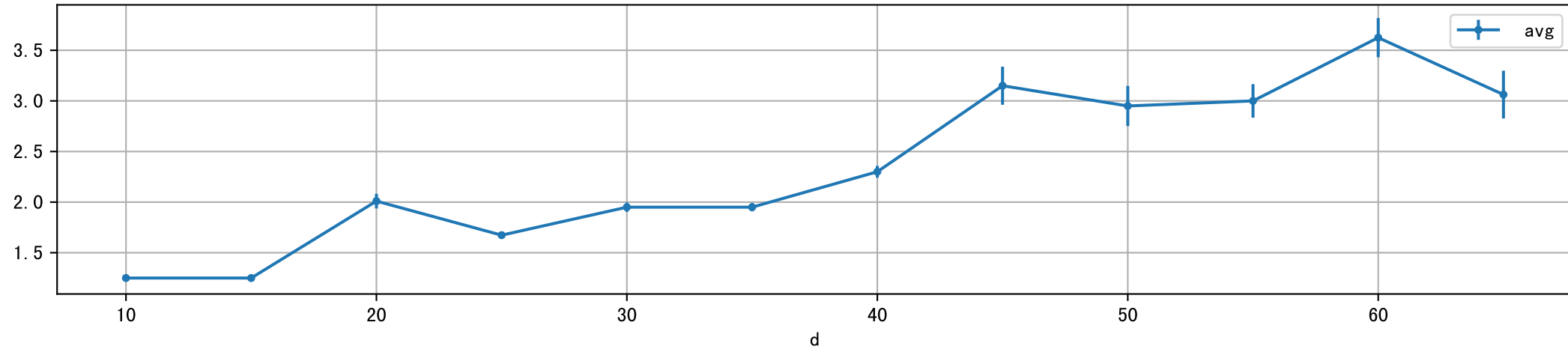


NdD: sfDem

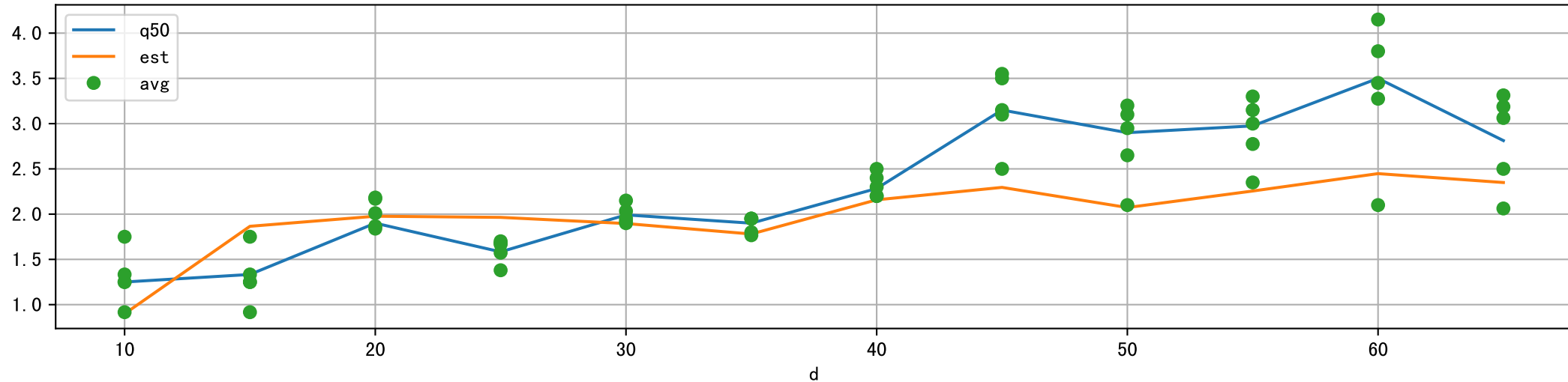




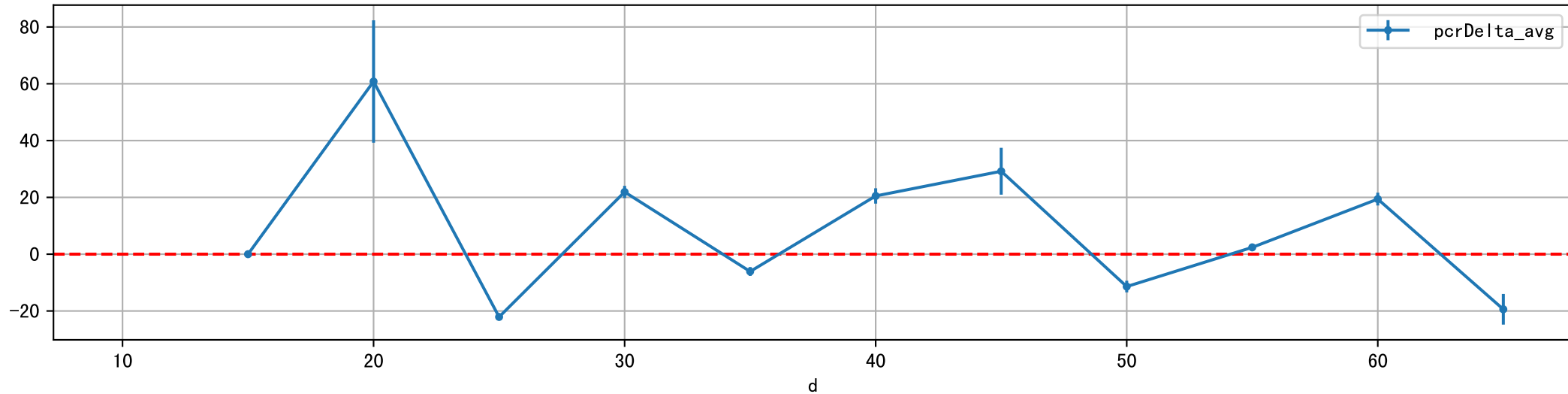
dStH: avg vs. d



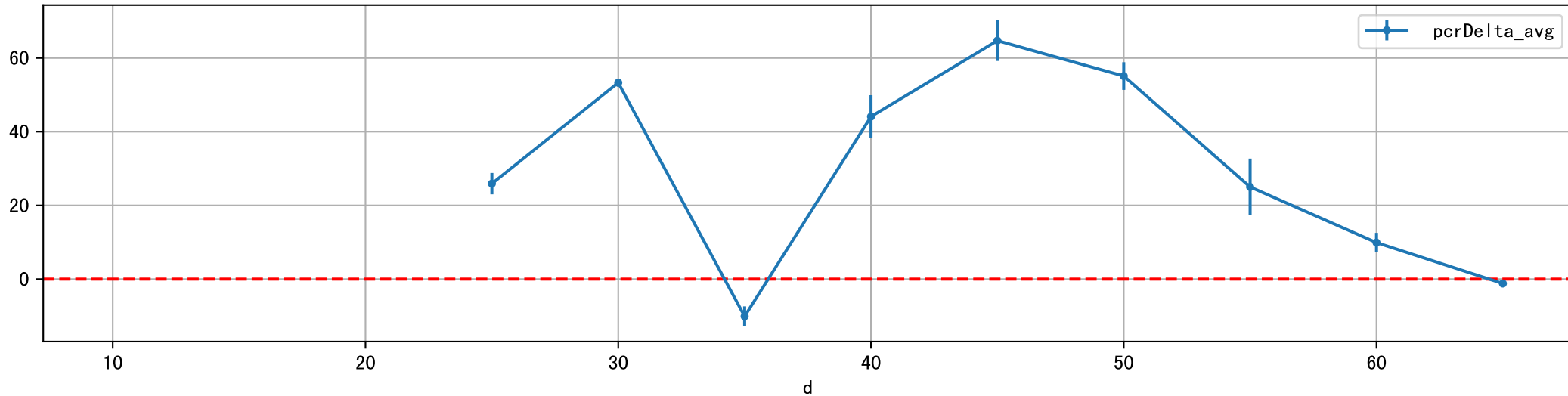
dStH: obsAvg vs obs0v@Q50



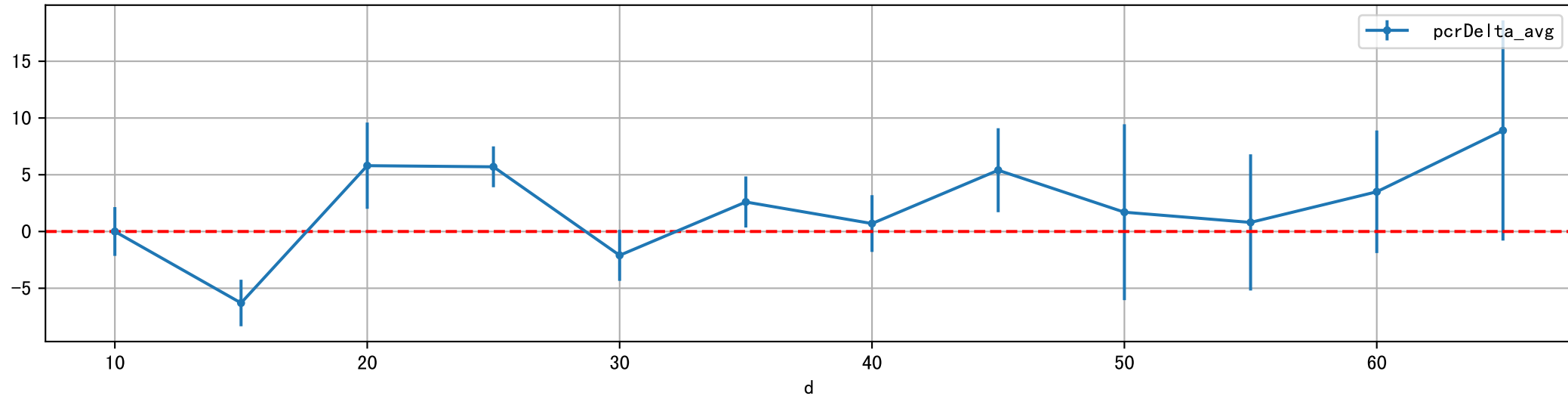
dStH: D_5d_StH



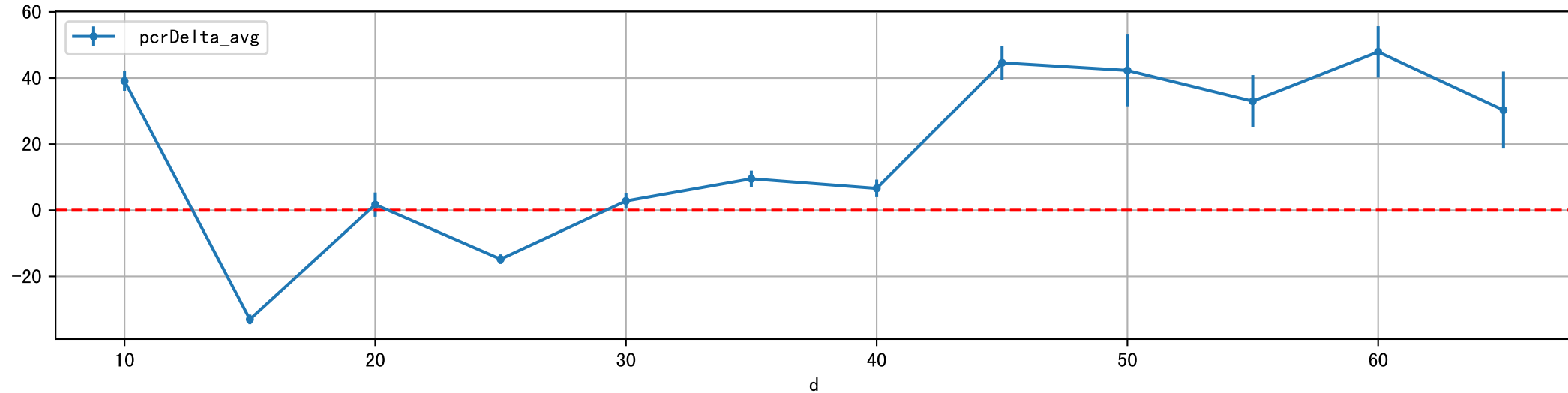
dStH: D_15d_StH



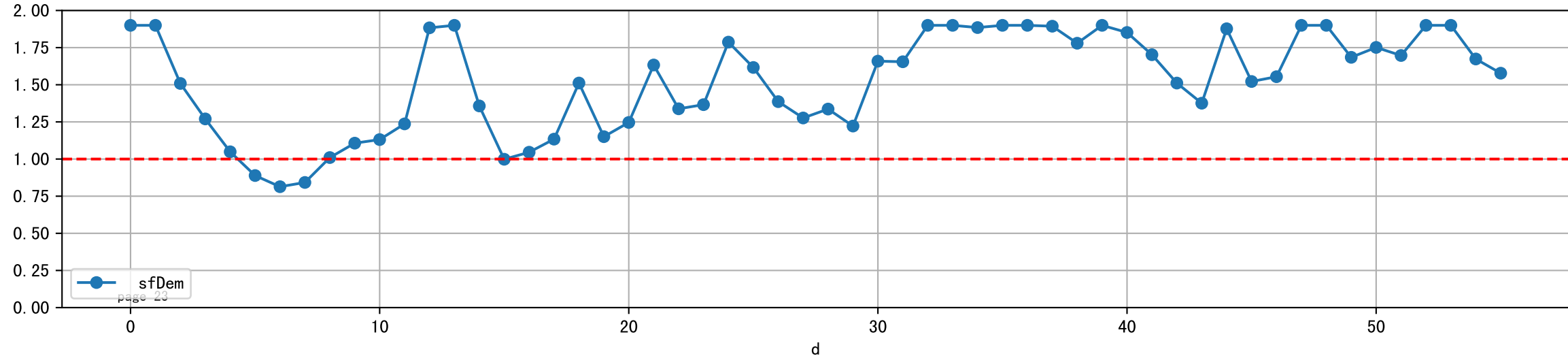
dStH: D_Q50_StH

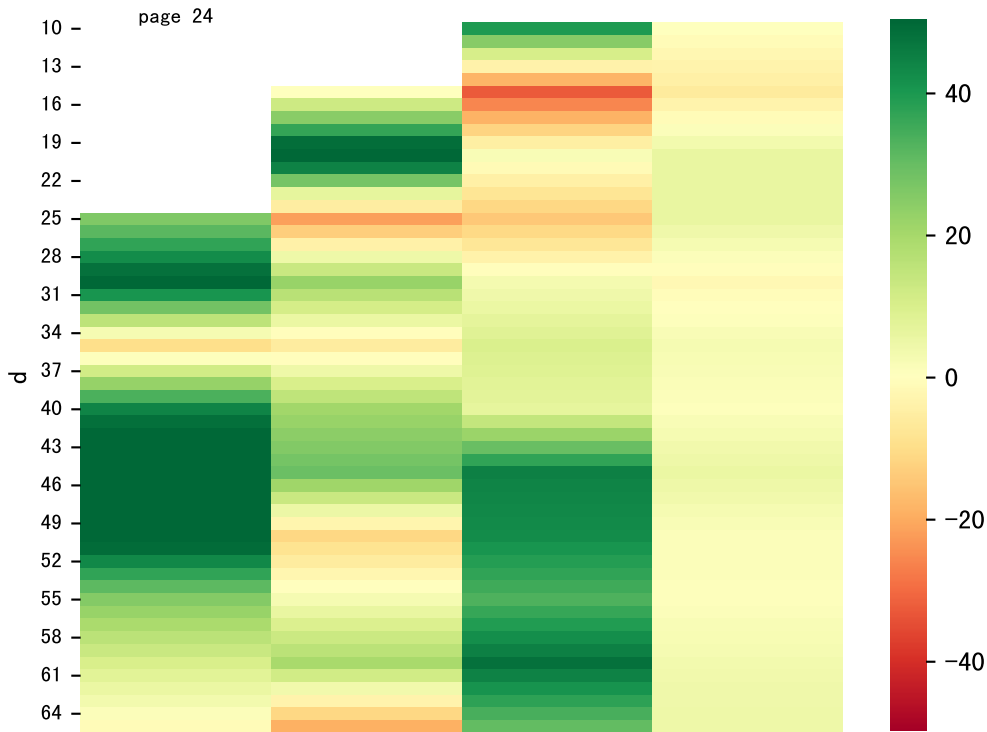


dStH: D_Est_StH



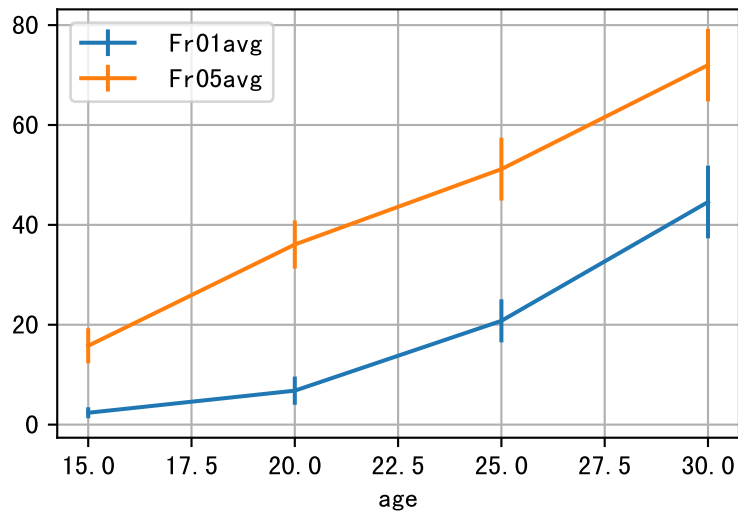
dStH: sfDem



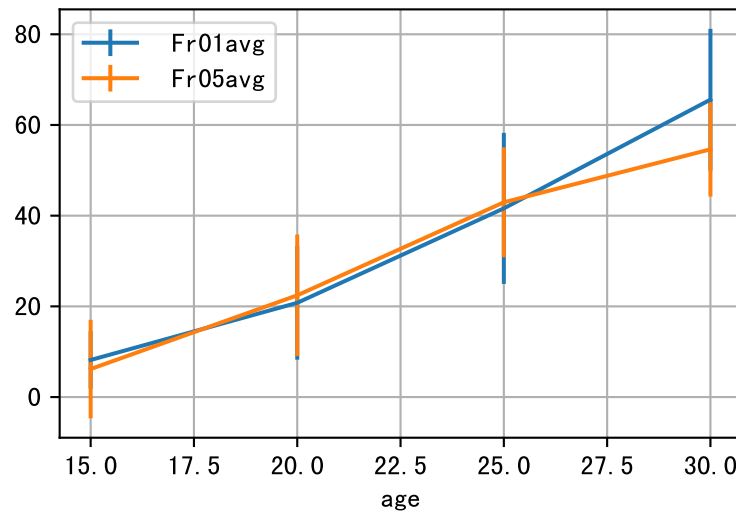


FrV: Fr01 vs Fr05 at each truss

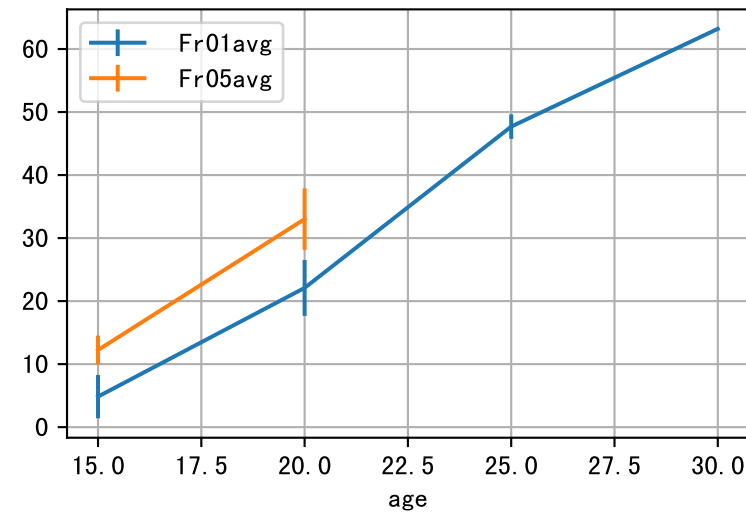
organID=T01



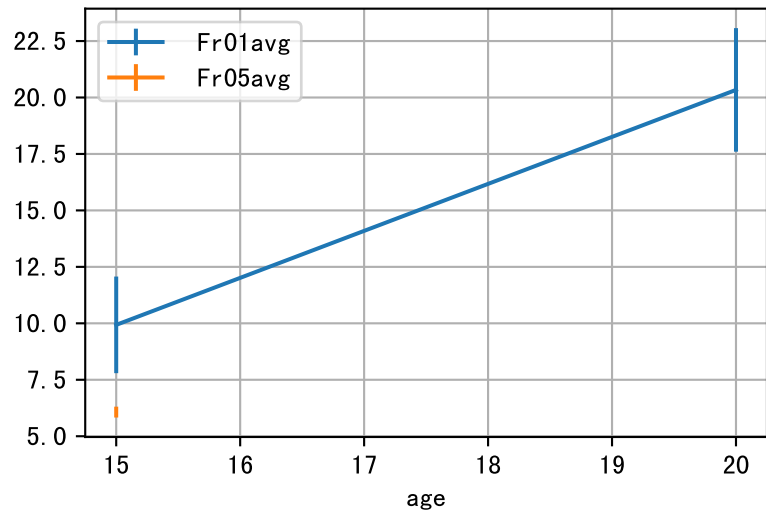
organID=T02



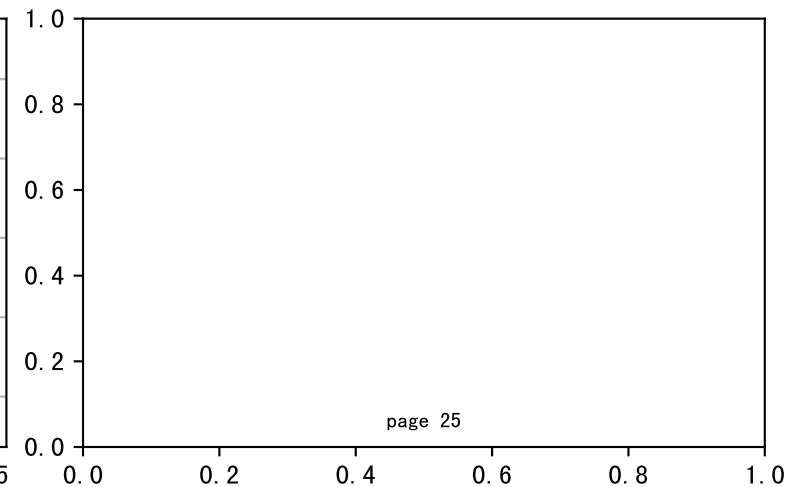
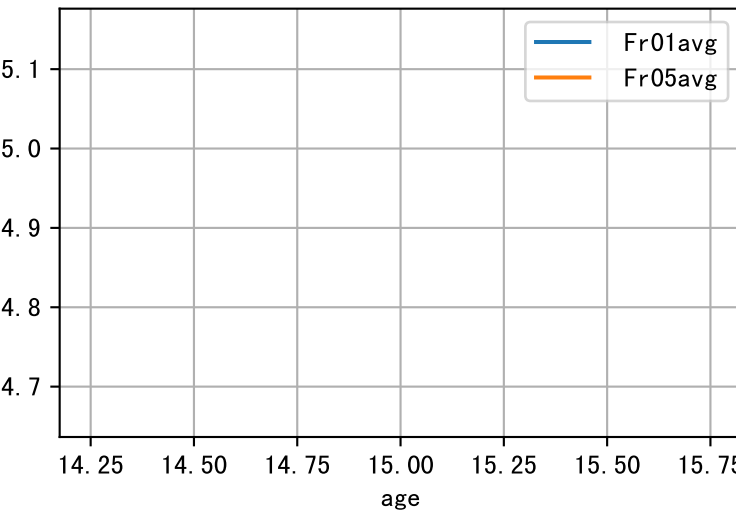
organID=T03



organID=T04

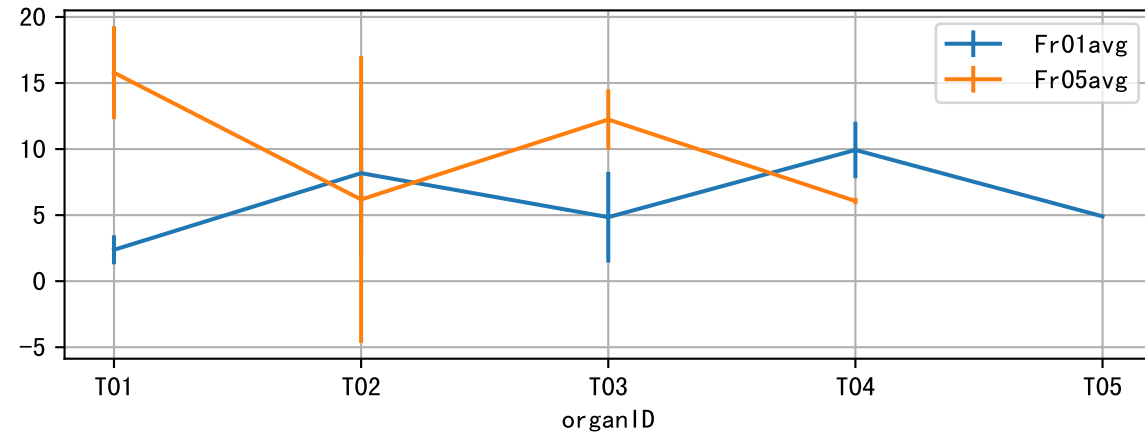


organID=T05

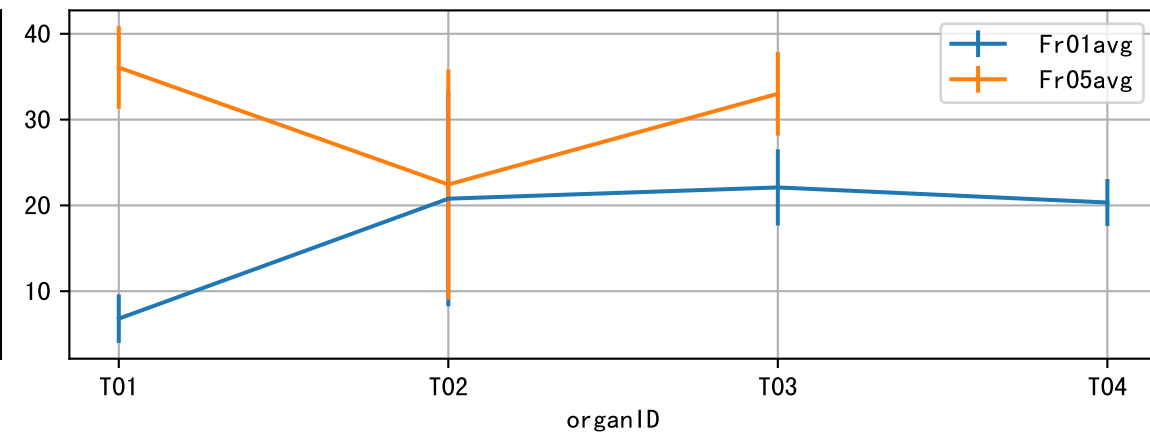


FrV trend at each age

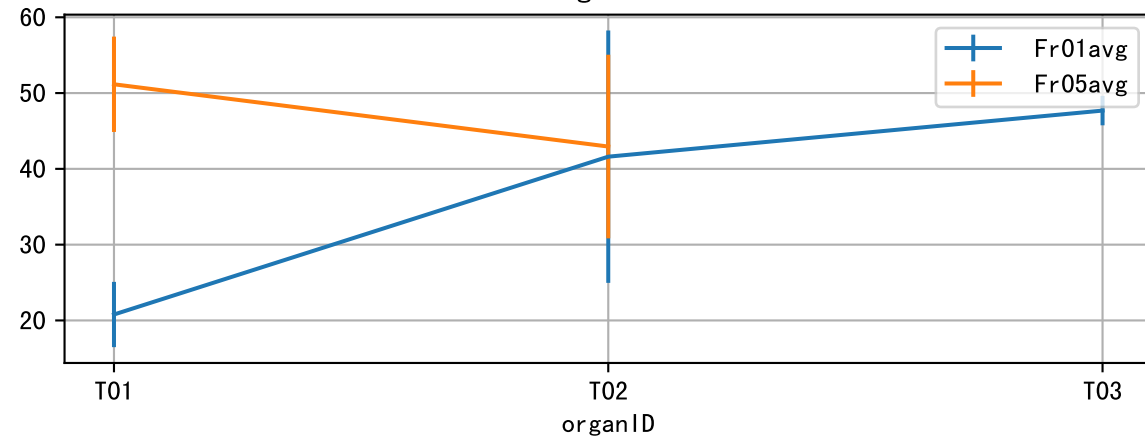
age=15



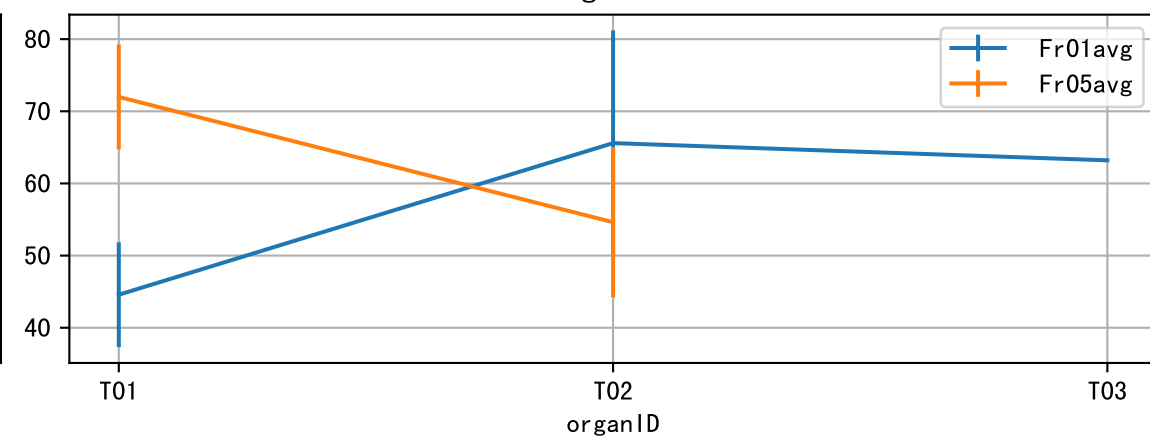
age=20



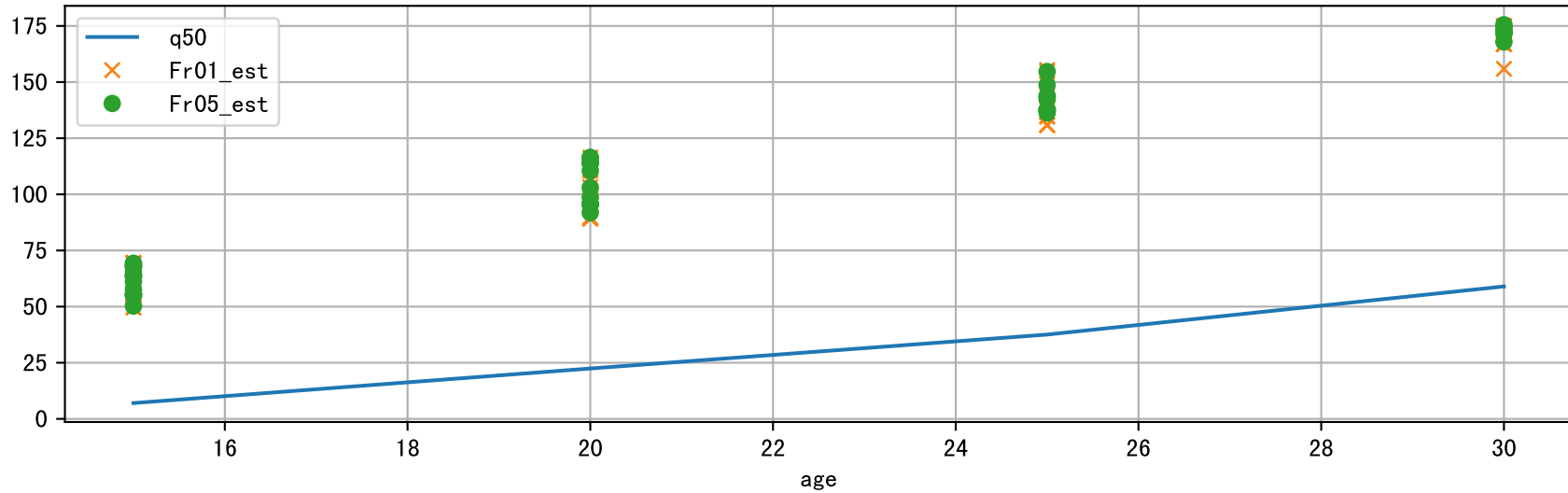
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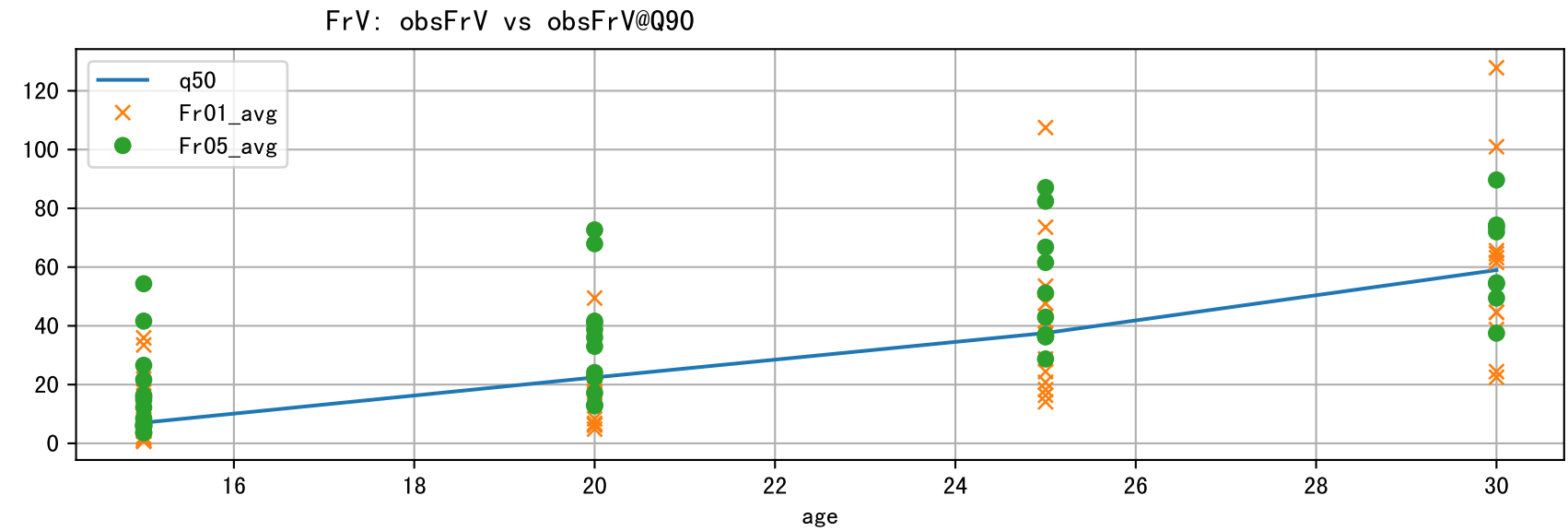


age=30

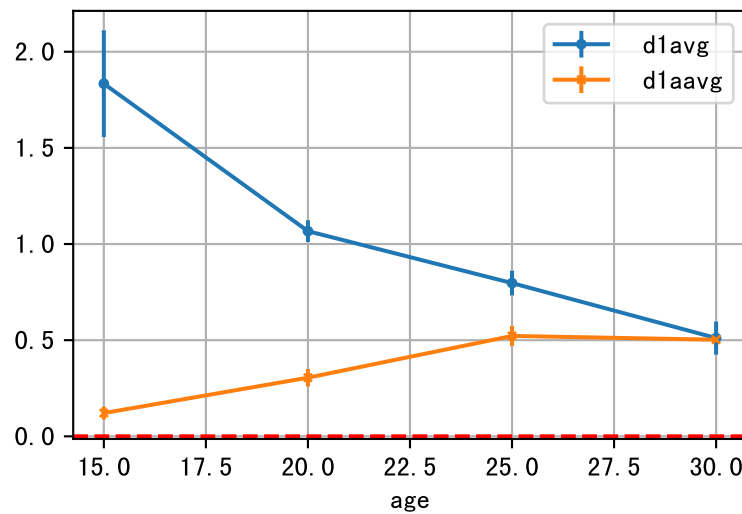


FrV: model Est vs obsFrV at Q90

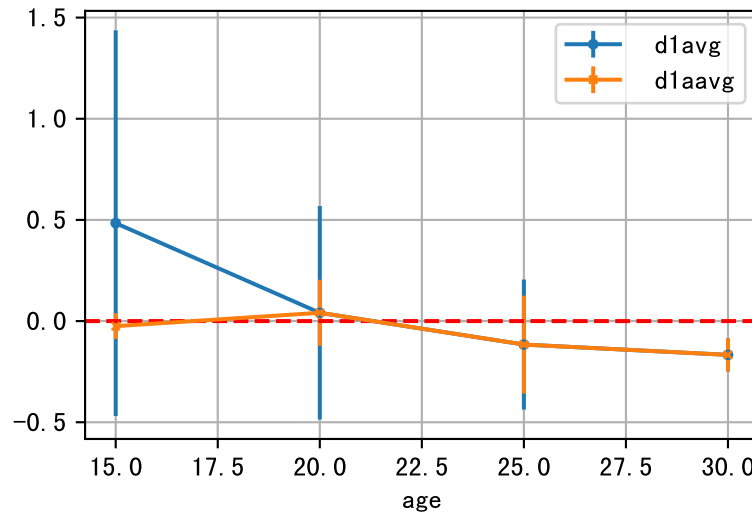




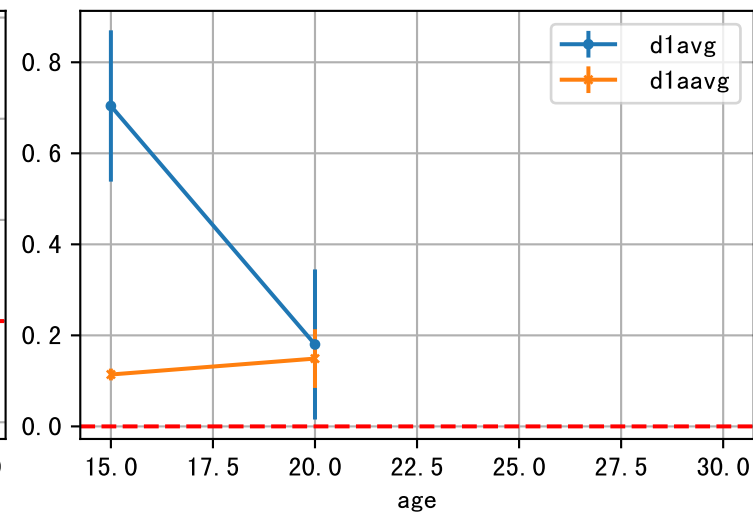
organID=1



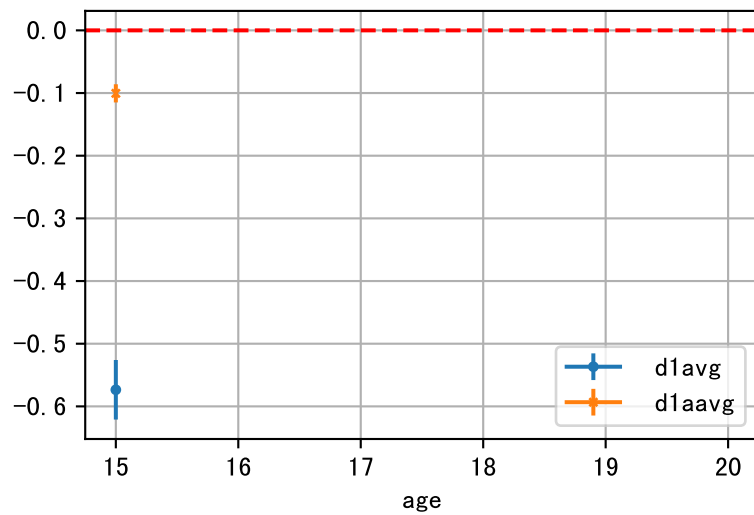
organID=2



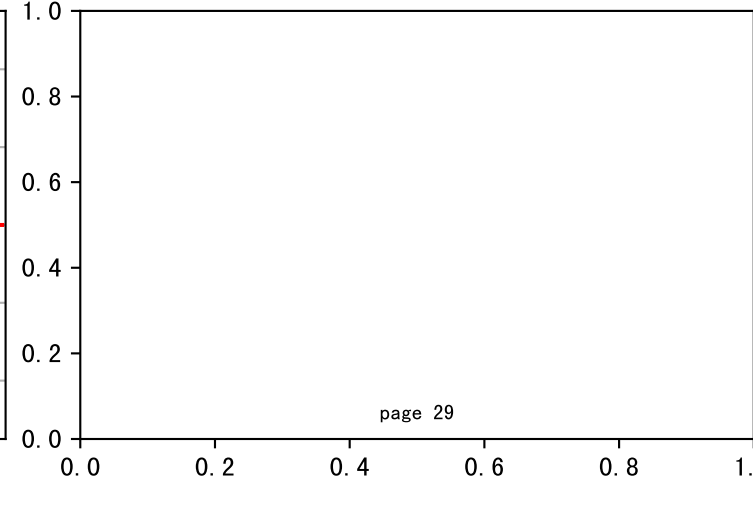
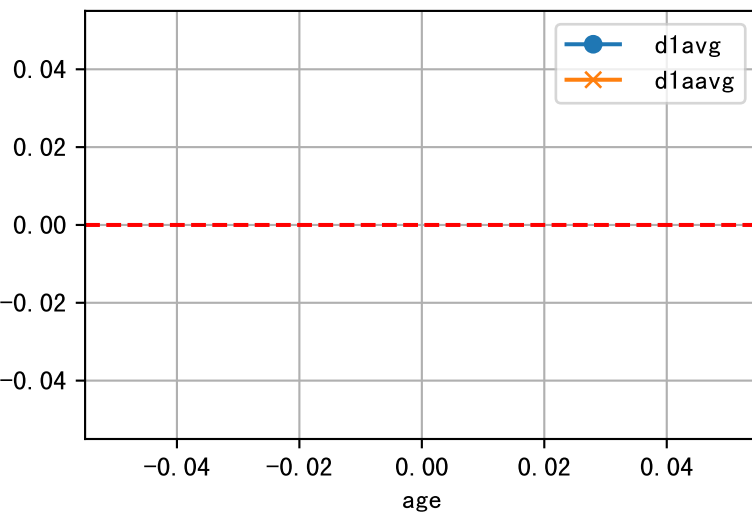
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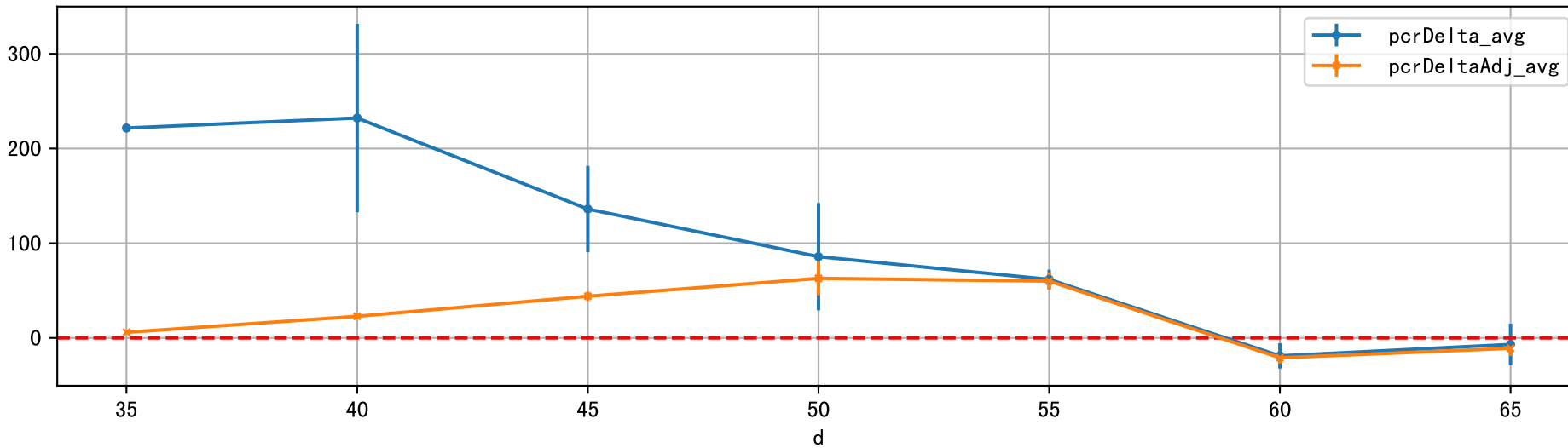
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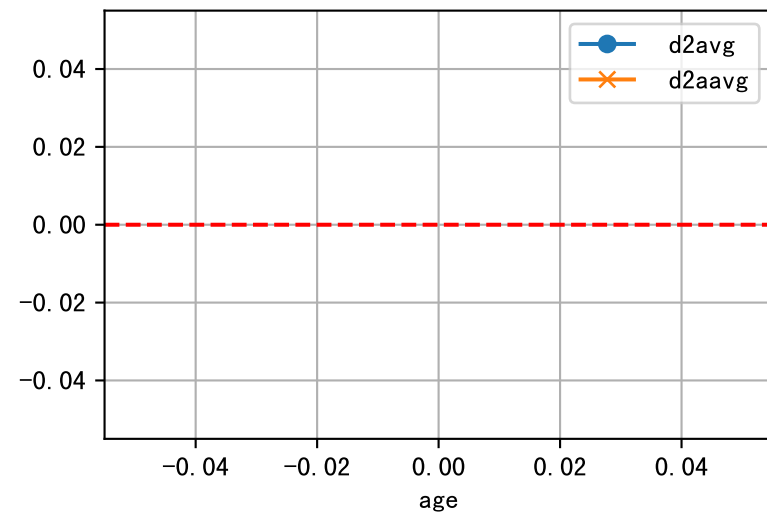
organID=5



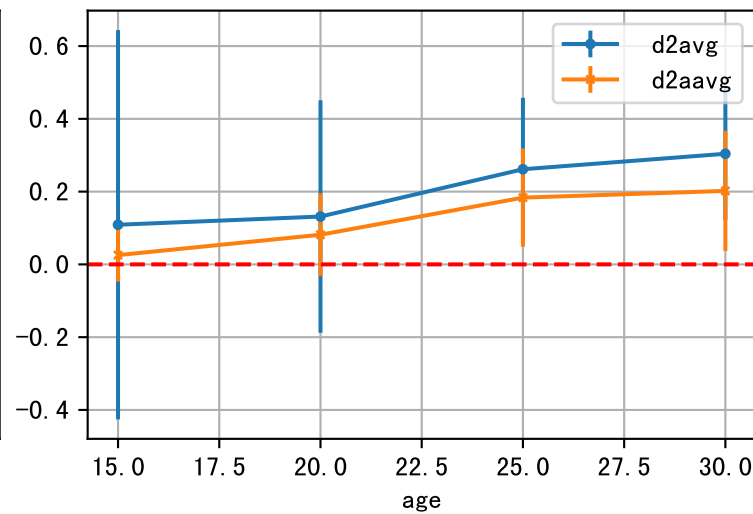
P9AE FrV: D_Fr1_FrV



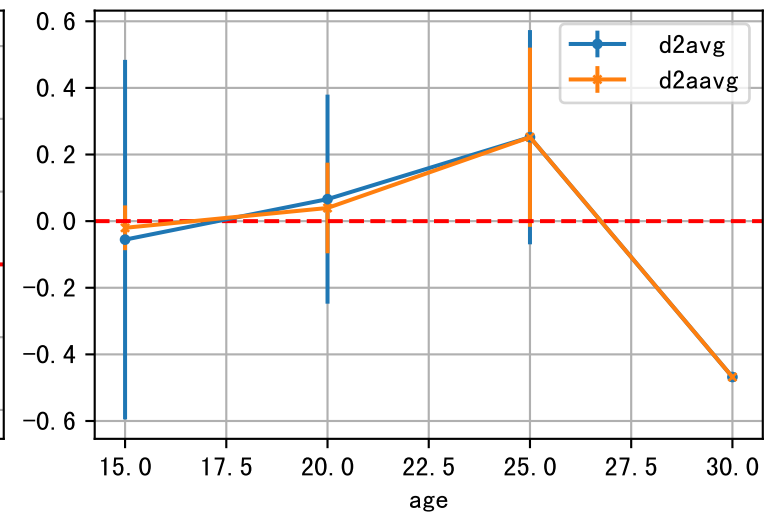
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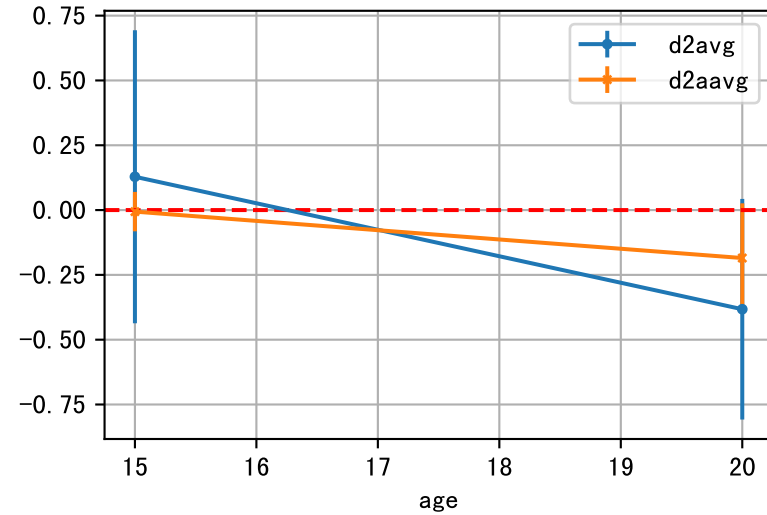
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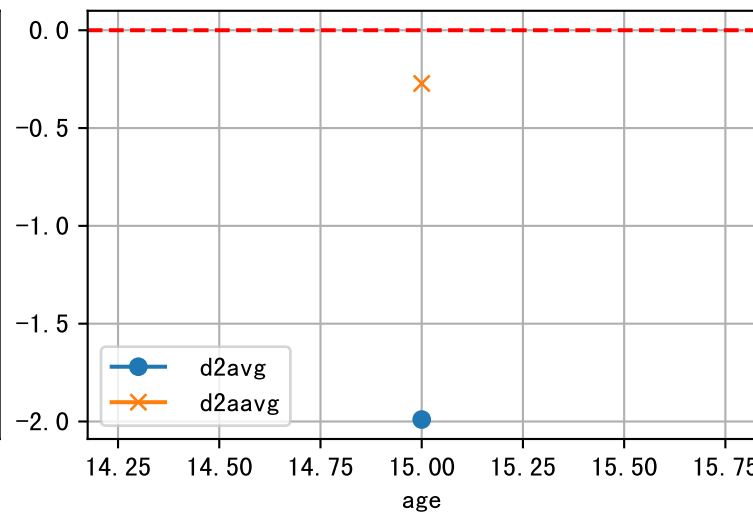
organID=3

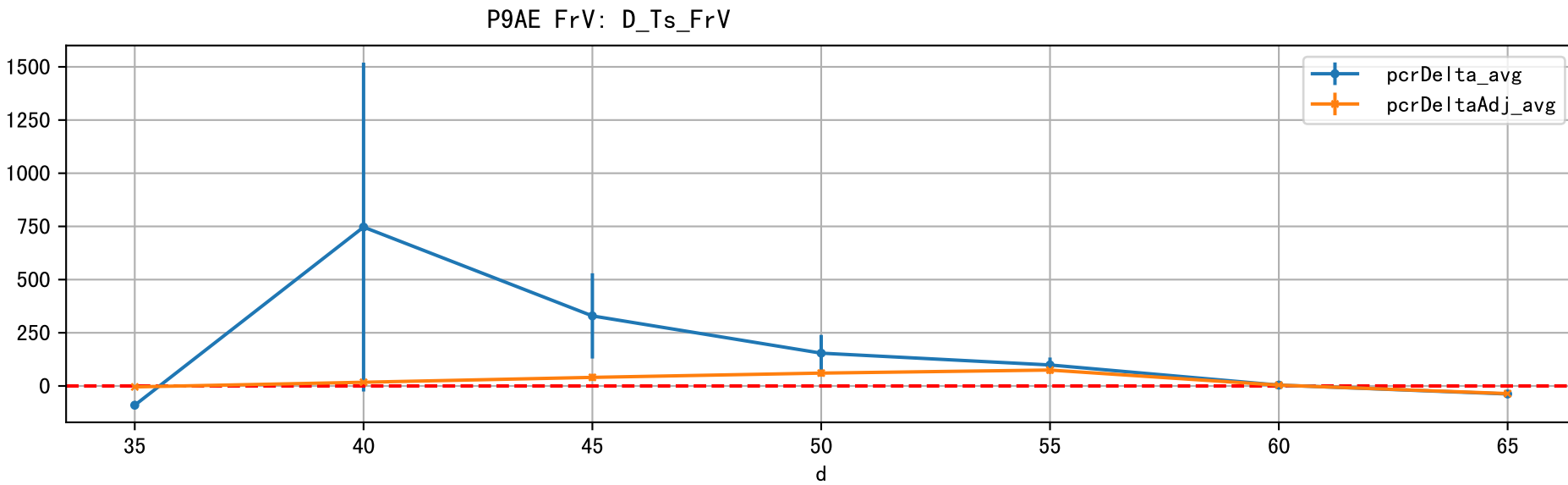


organID=4



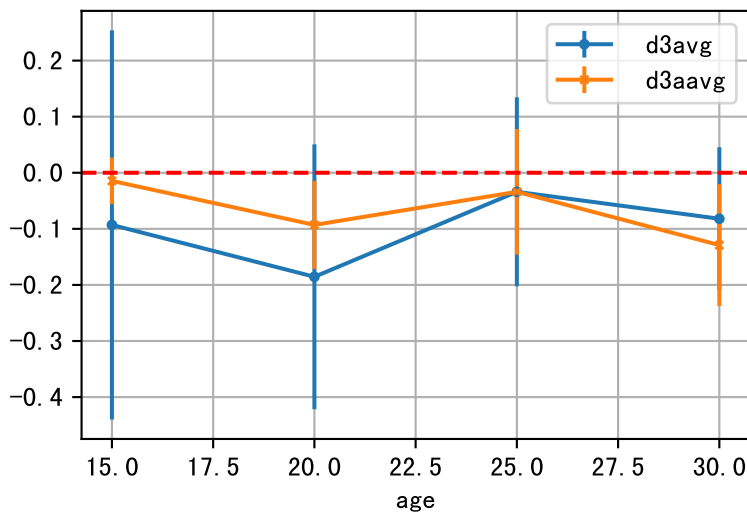
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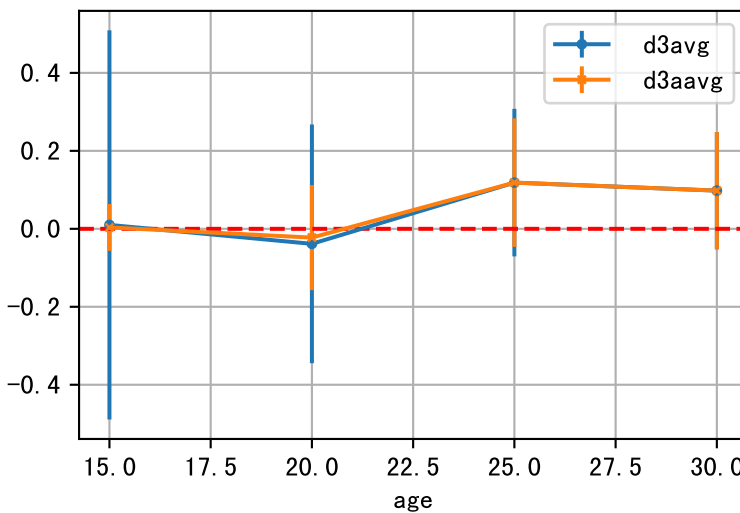


FrV: D_Q50_FrV

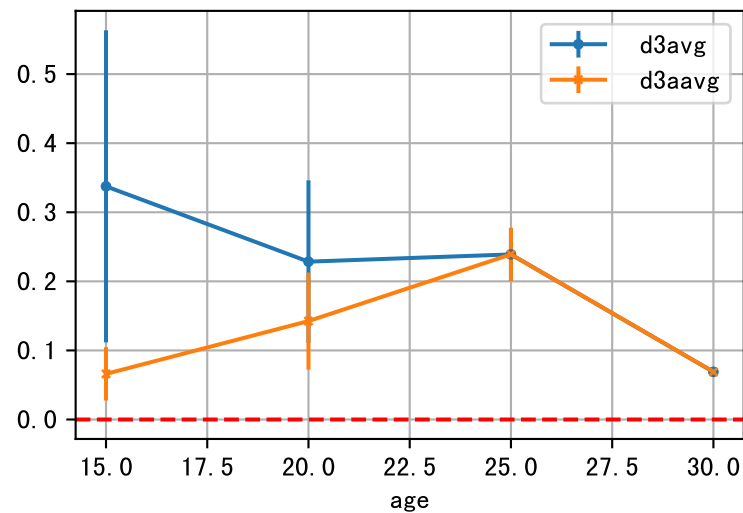
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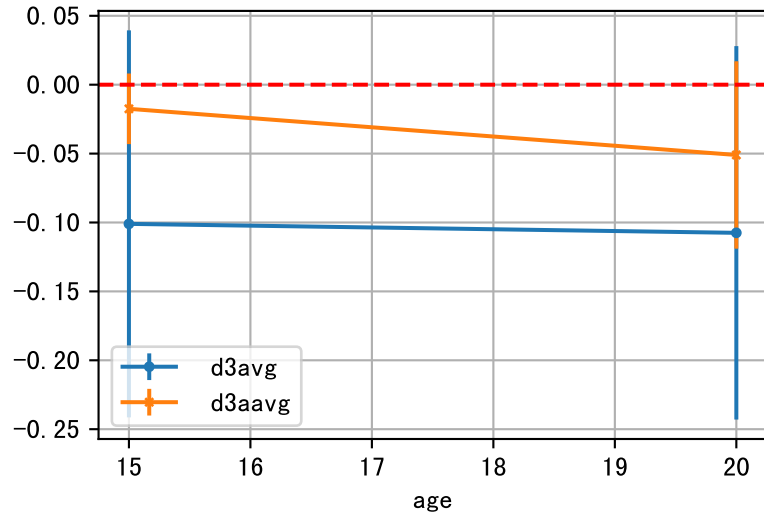
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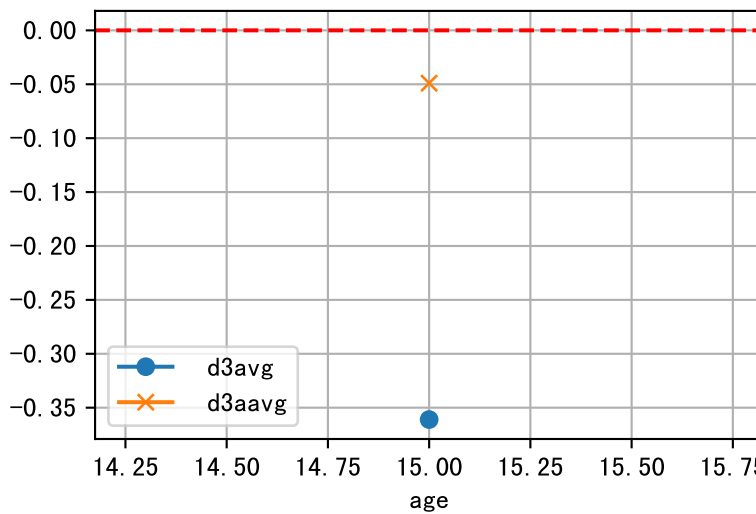
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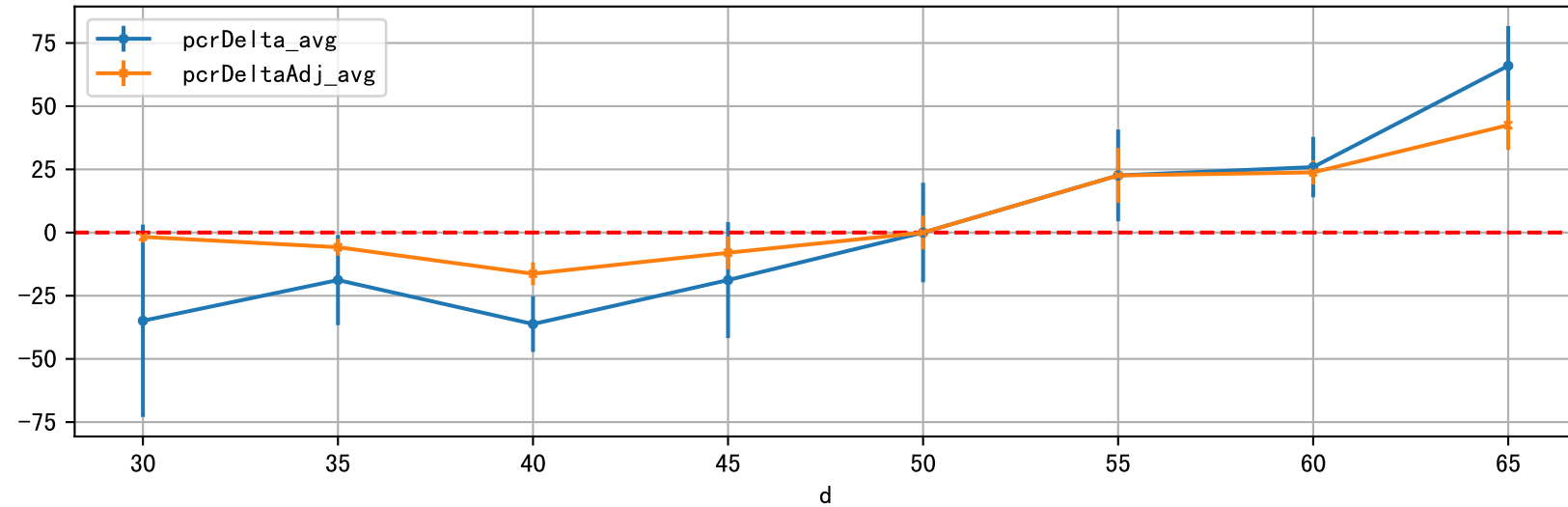
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organID=5

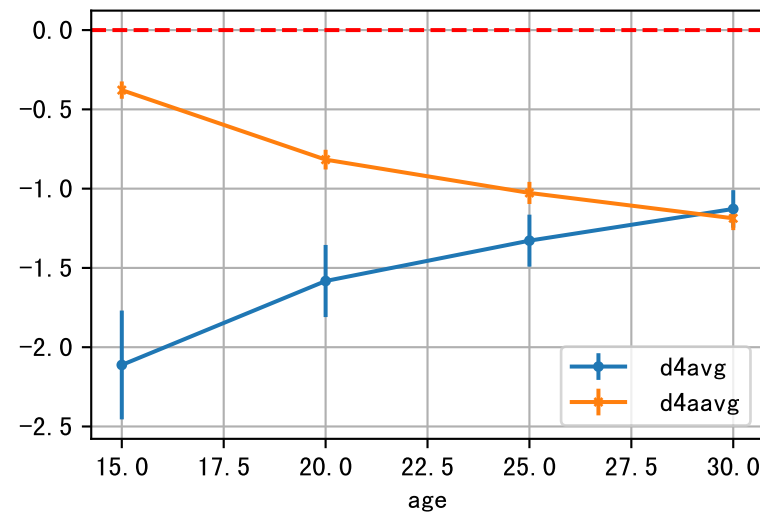


P9AE FrV: D_Q50_FrV

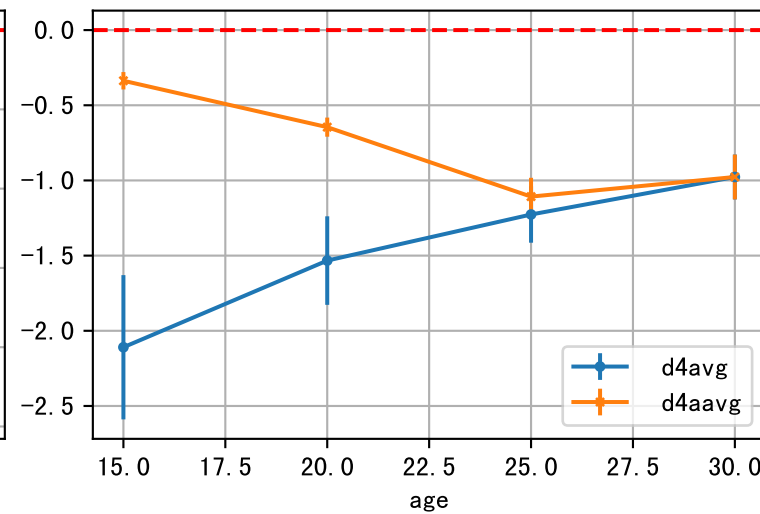


FrV: D_Est_FrV

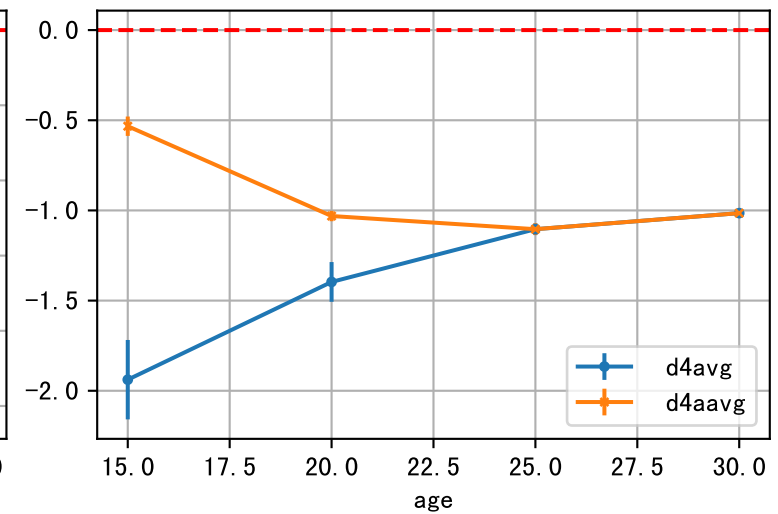
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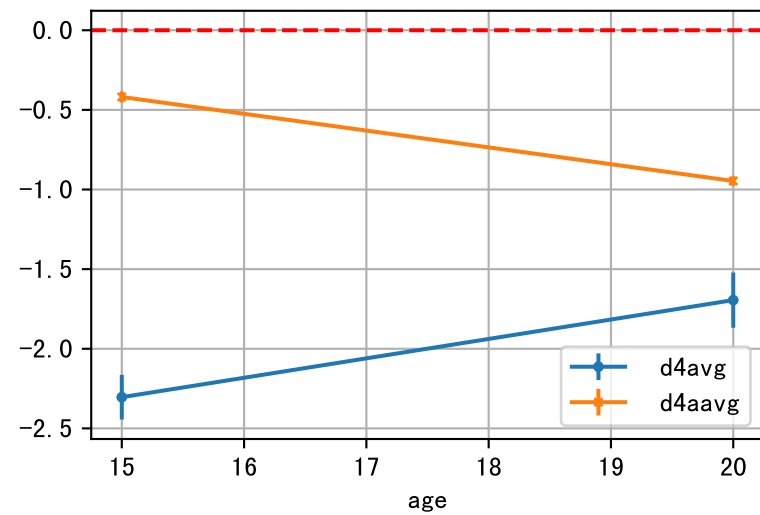
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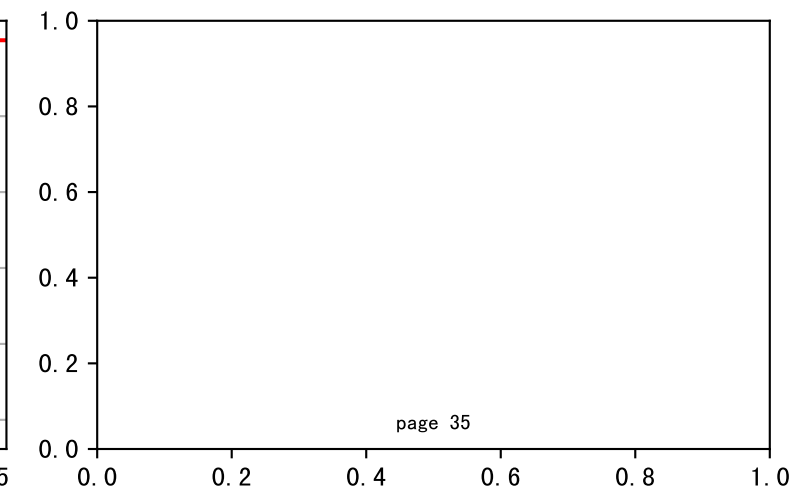
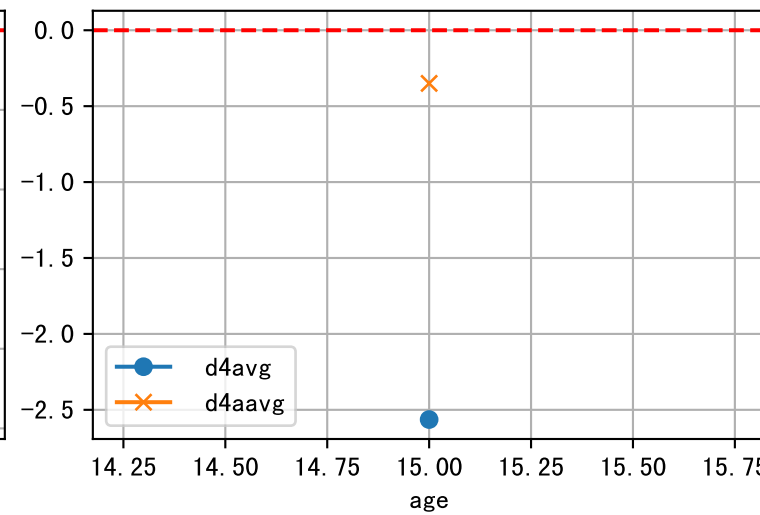
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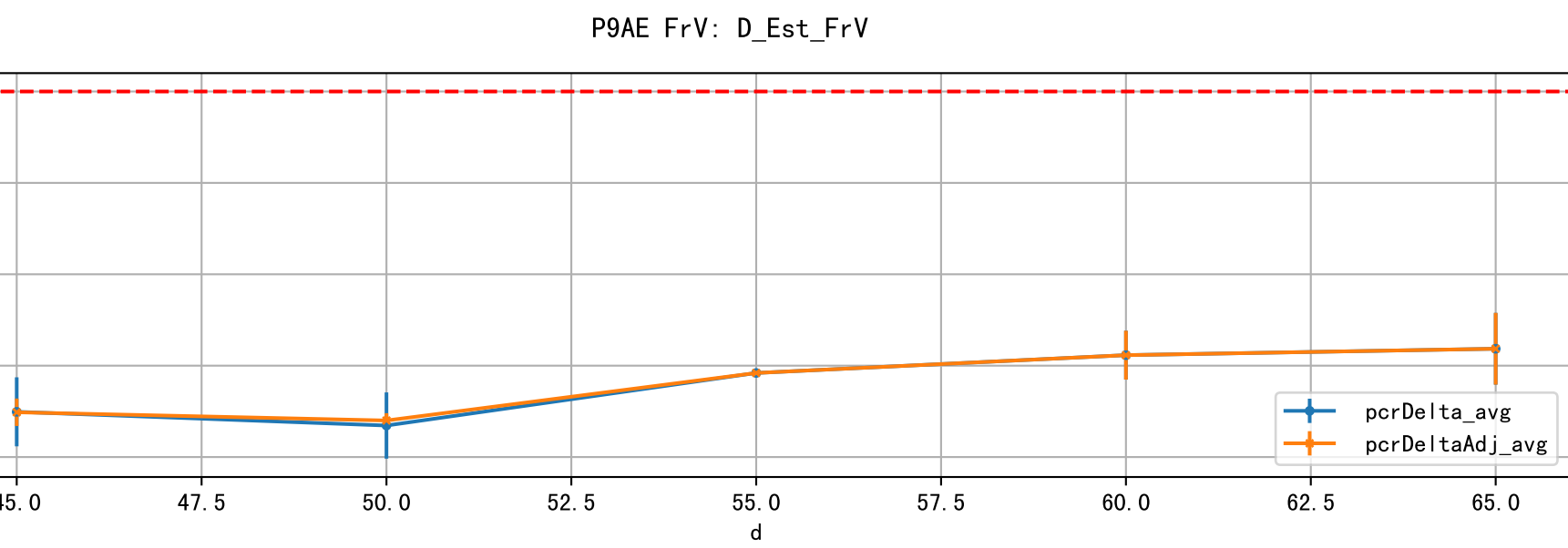


organID=4



organID=5





P9AE FrV: sfDem

