

Phenotype Data Analysis Plots

PhenoData day range = 10 – 54

Analysis cutoff day = 54

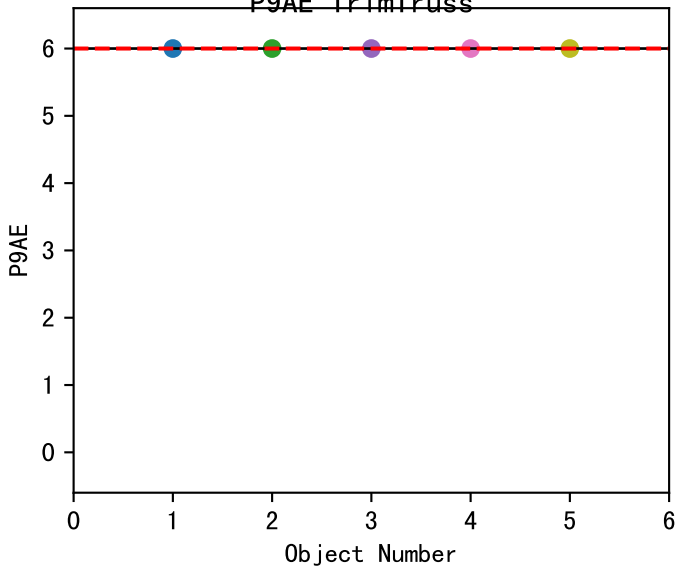
NC11 P9

2025-05-25 (Day 55)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

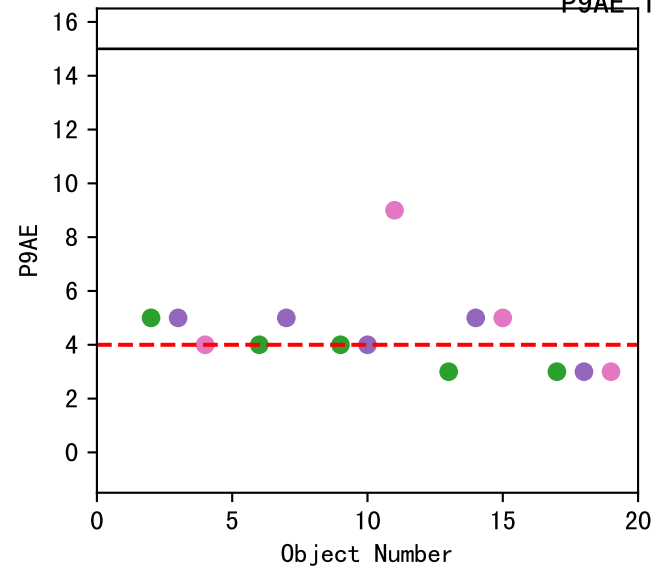
P9AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

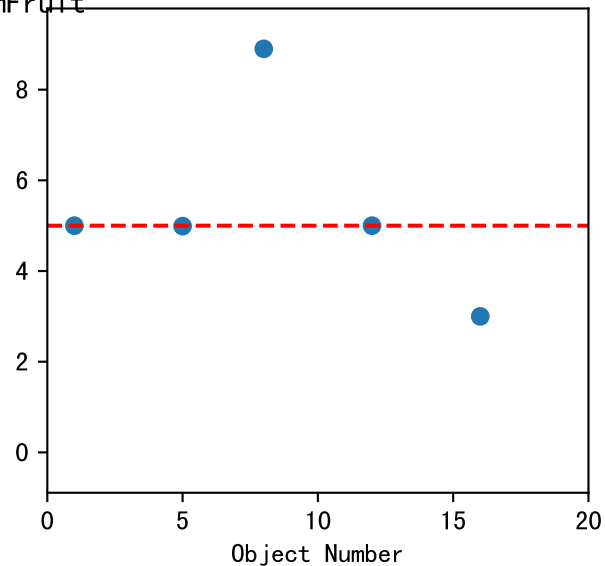
avg1=4.0~22% avg2=na

P9AE TrimFruit

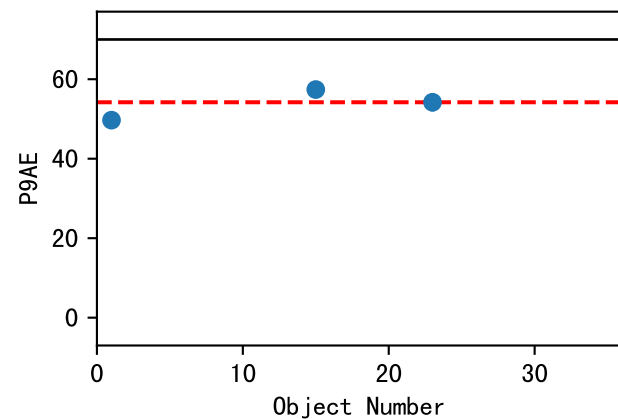


FruitNumMaxPerTruss (Def=na Set=5)

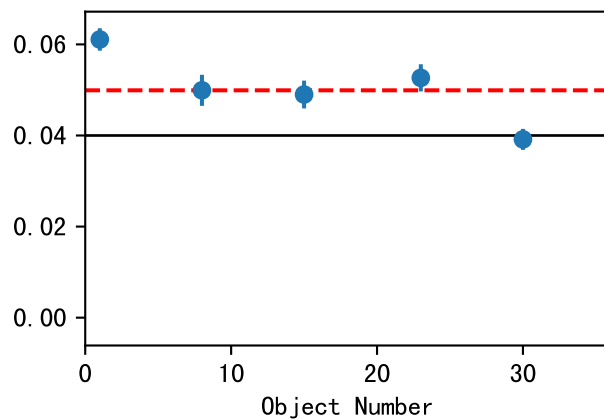
avg1=5.0~0% avg2=na



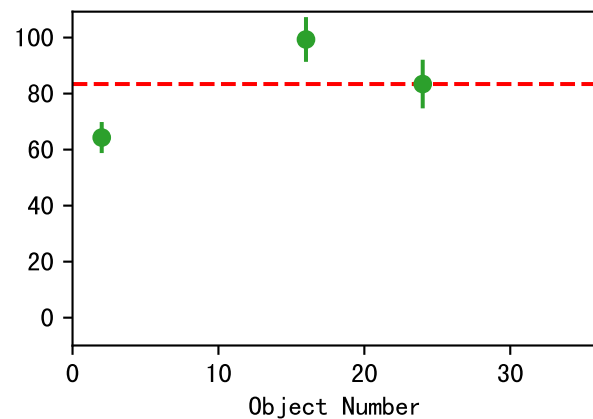
FrD_Q90AbsY (Def=70 Set=54.2)
avg1=54.2~7% avg2=na



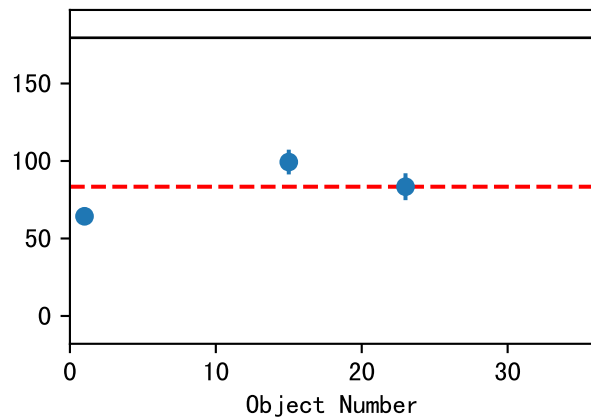
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.05~4% avg2=na



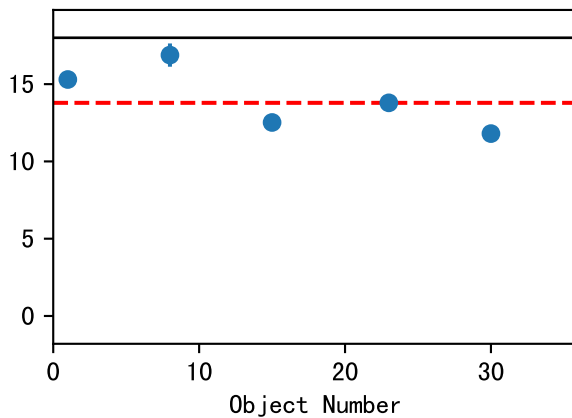
FrV_avgAbsY (Def=na Set=na)
avg1=83.41~21% avg2=na



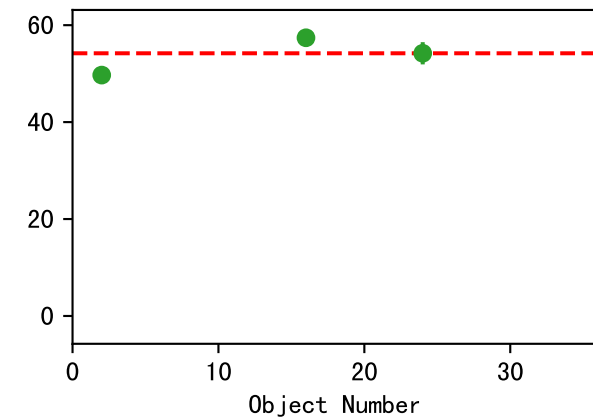
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=83.41~21% avg2=na



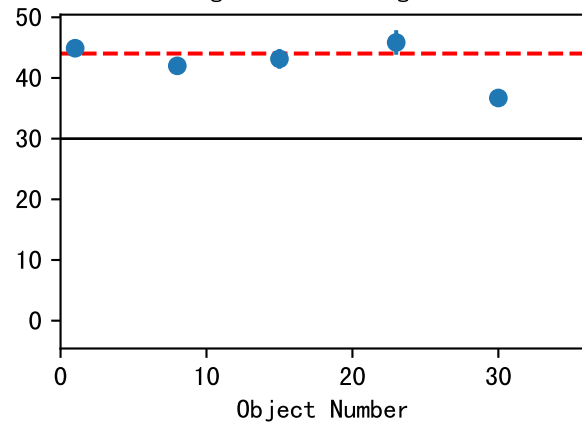
NdD_Q90AbsY (Def=18 Set=13.79)
avg1=13.79~15% avg2=na



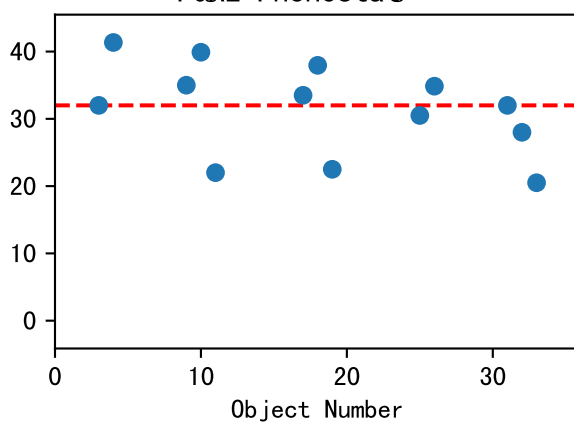
FrD_avgAbsY (Def=na Set=54.2)
avg1=54.2~7% avg2=na



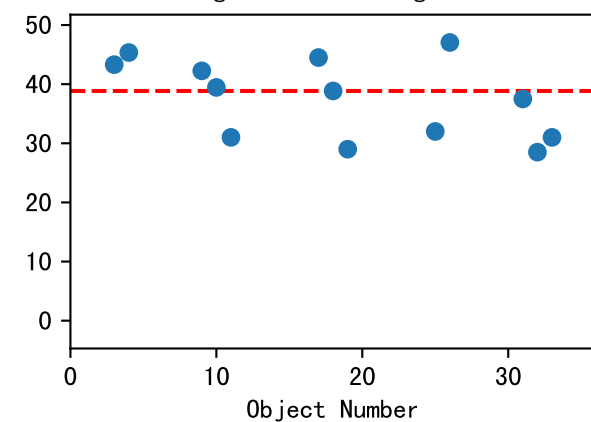
LfW_Q90AbsY (Def=30 Set=44.03)
avg1=44.03~4% avg2=na



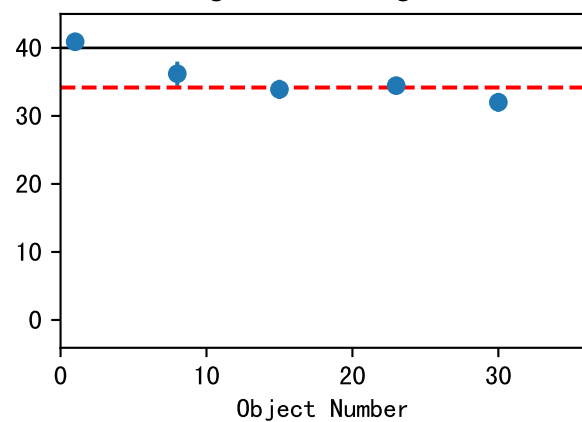
LfL_avgAbsY (Def=na Set=32.0)
avg1=32.0~21% avg2=na



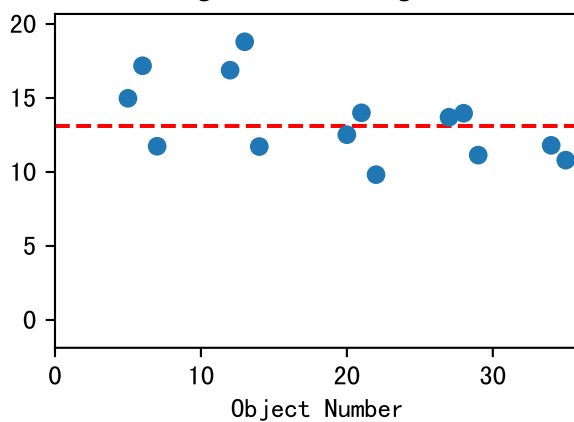
LfW_avgAbsY (Def=na Set=38.85)
avg1=38.85~17% avg2=na



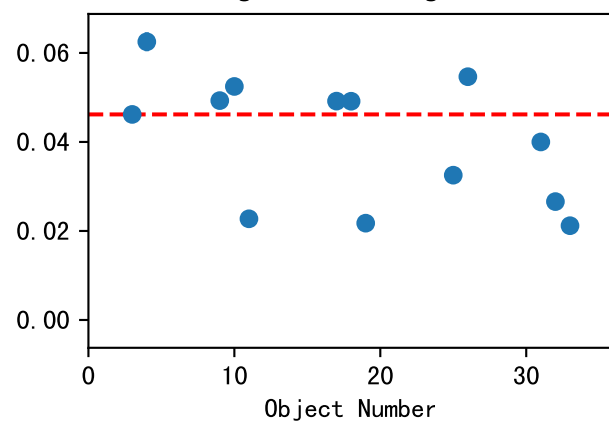
LfL_Q90AbsY (Def=40 Set=34.18)
avg1=34.18~5% avg2=na

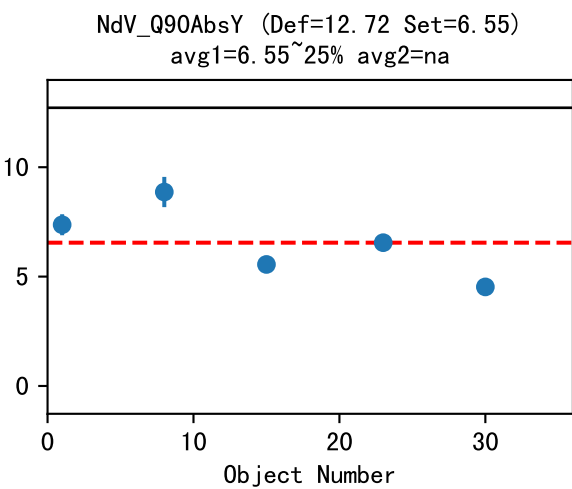
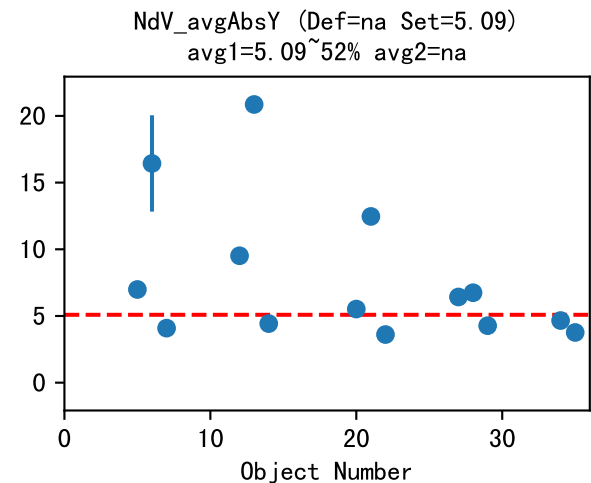
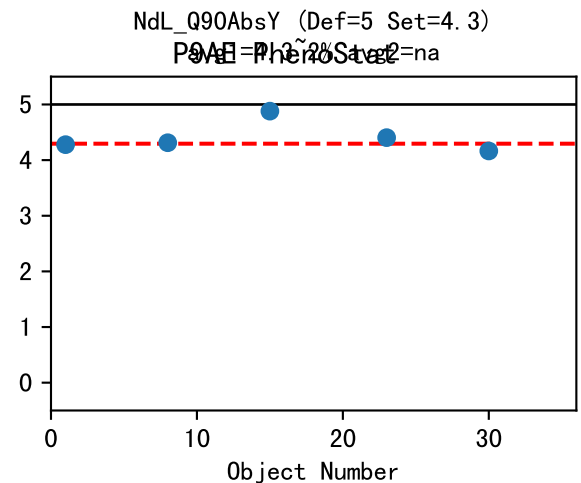
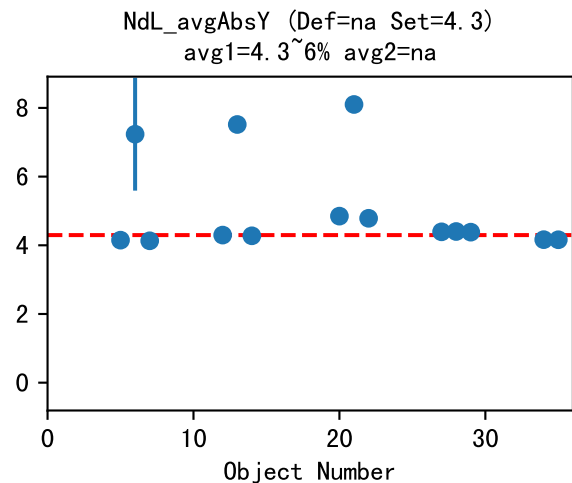


NdD_avgAbsY (Def=na Set=13.11)
avg1=13.11~20% avg2=na

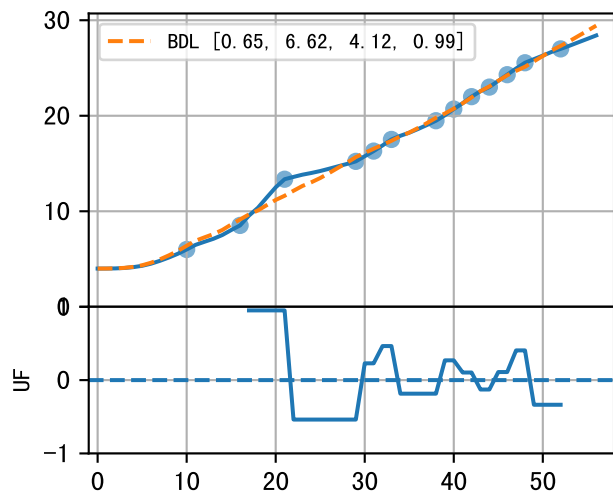


LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~31% avg2=na

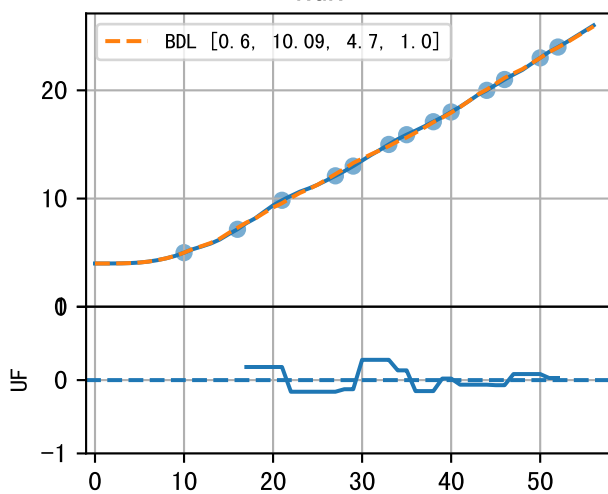




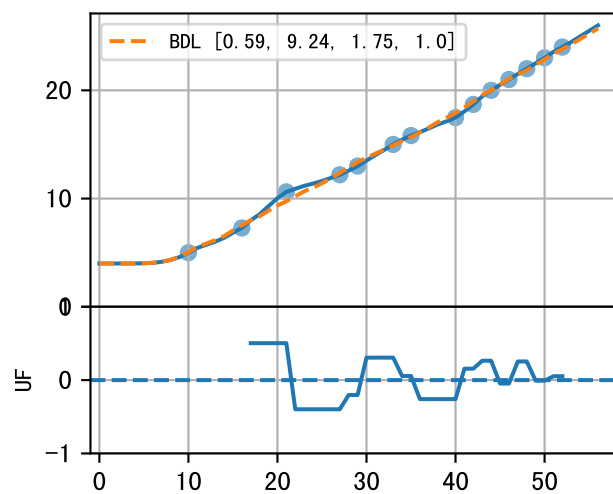
P9AE-065-3 (fit failed)



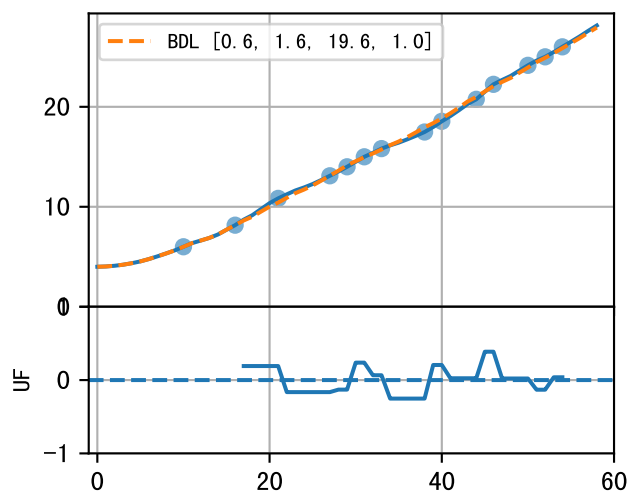
P9AE-077-12 (fit failed)



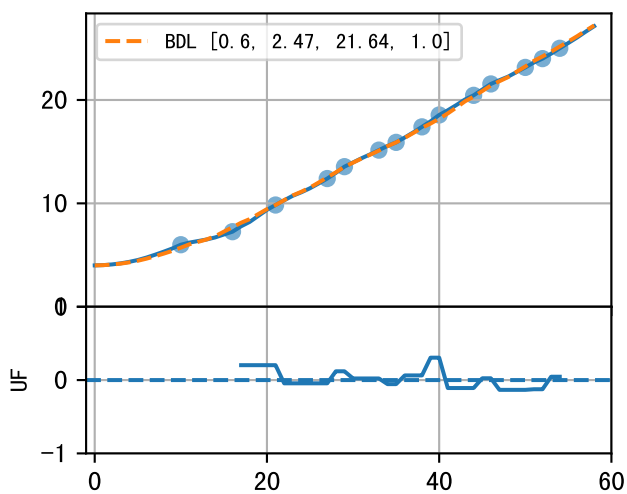
P9AE-089-25 (fit failed)



P9AE-100-19 (fit failed)



P9AE-111-7 (fit failed)

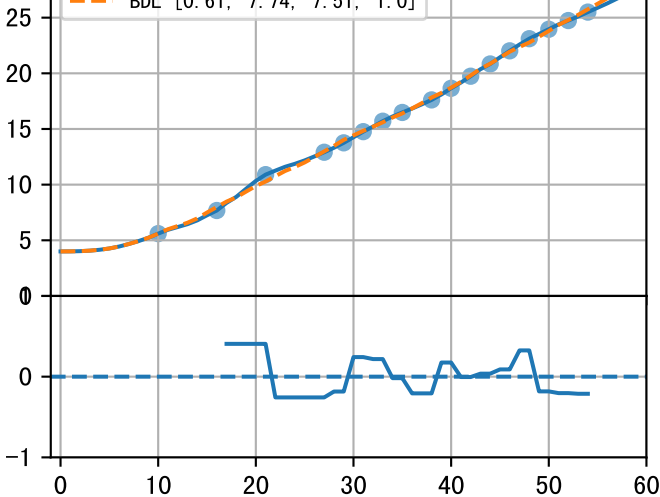


P9AEavg (fit failed)

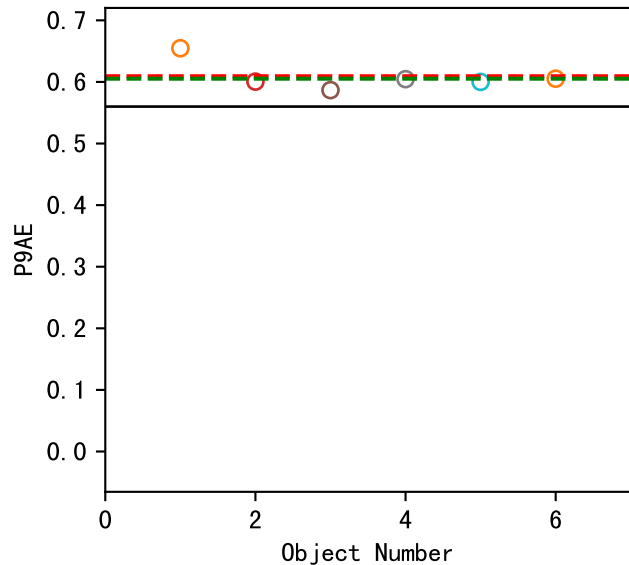
NaN

BDL [0.61, 7.74, 7.51, 1.0]

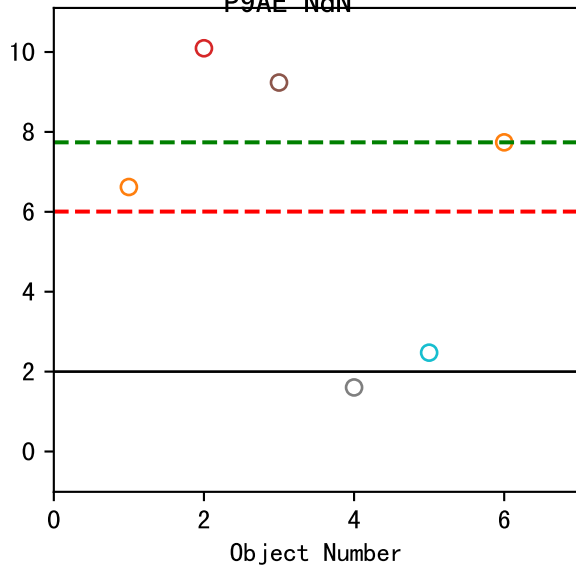
UF



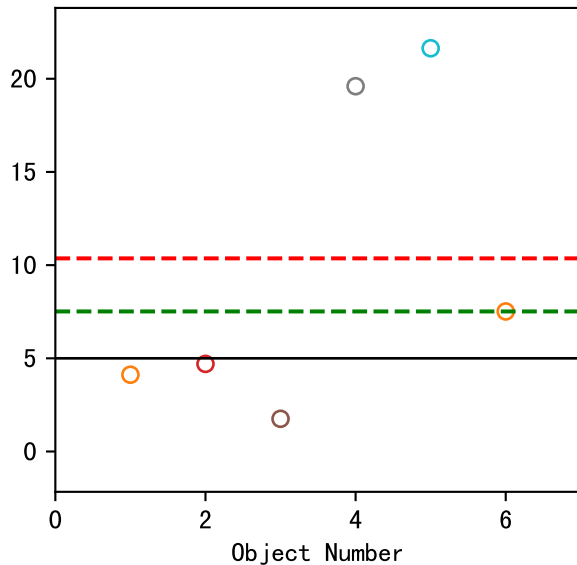
a (Def=0.56 Set=0.61)
avg1=0.61(fail) avg2=0.61



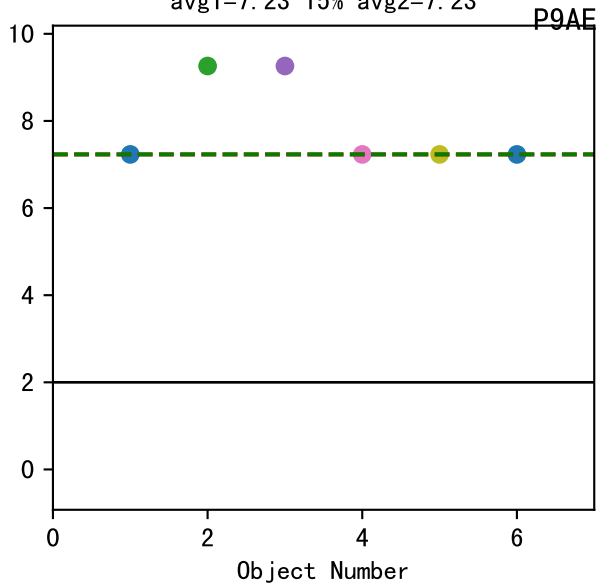
dm (Def=2 Set=7.74)
avg1=6.01(fail) avg2=7.74



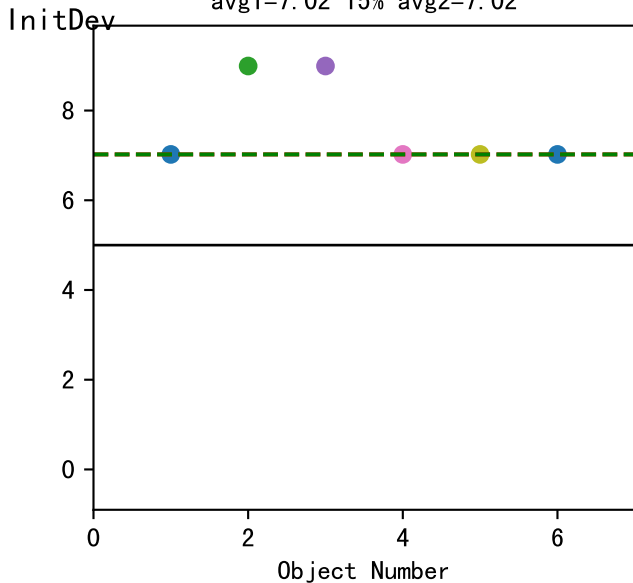
de (Def=5 Set=7.51)
avg1=10.36(fail) avg2=7.51



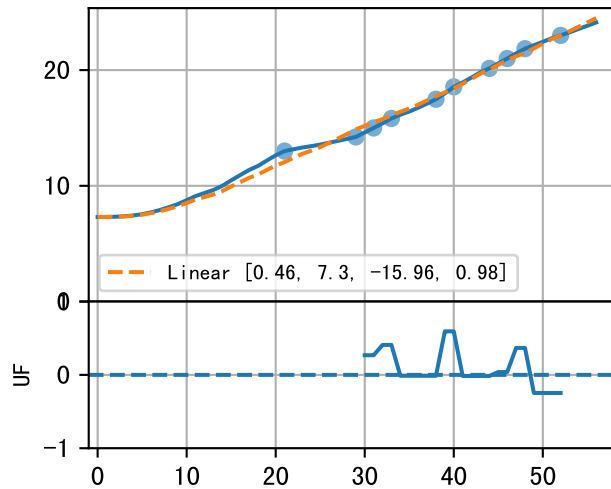
InitDev_dm (Def=2 Set=7.23)
avg1=7.23~15% avg2=7.23



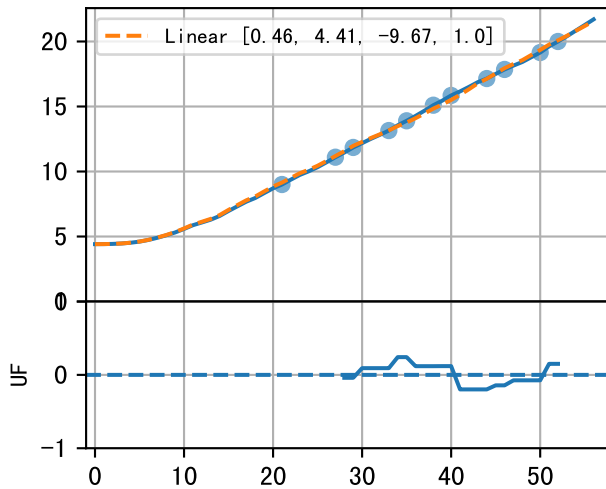
InitDev_de (Def=5 Set=7.02)
avg1=7.02~15% avg2=7.02



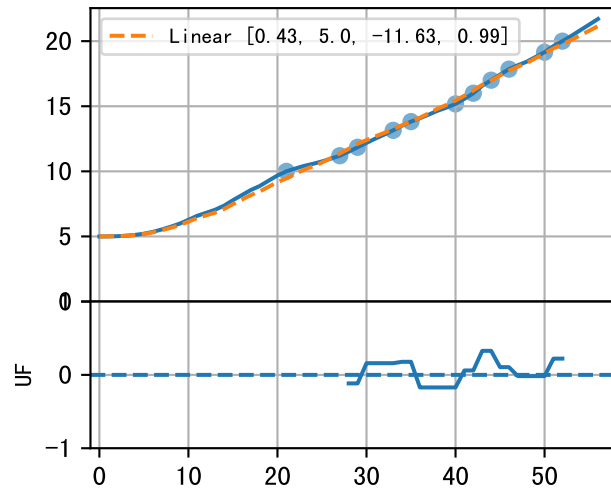
P9AE-065-3



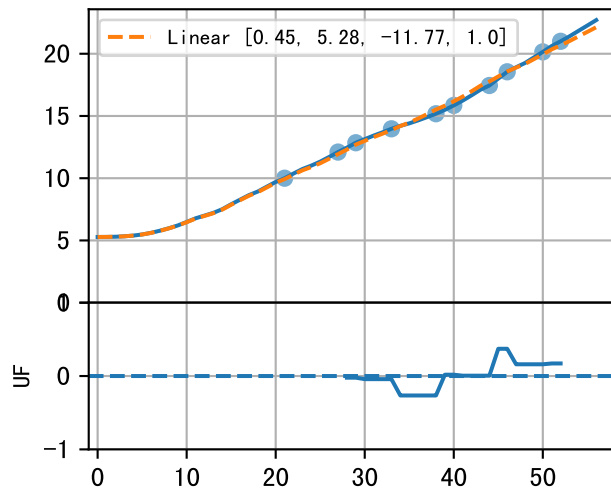
P9AE-077-32



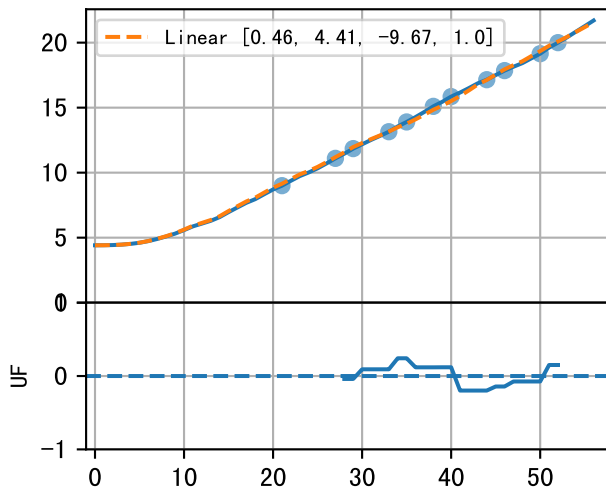
P9AE-089-25



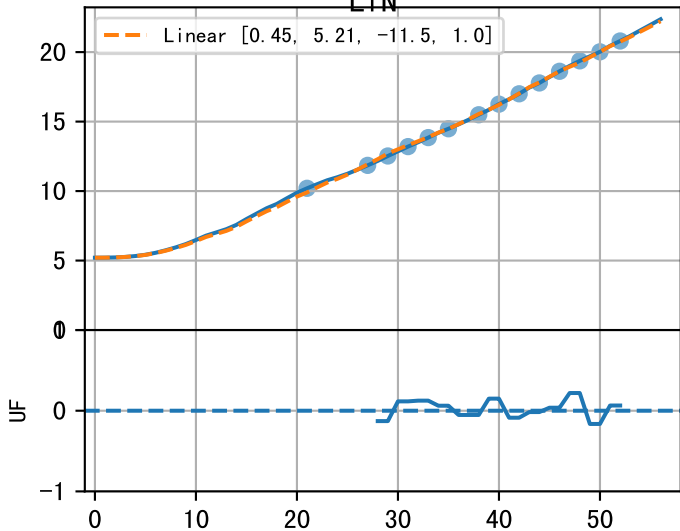
P9AE-100-19

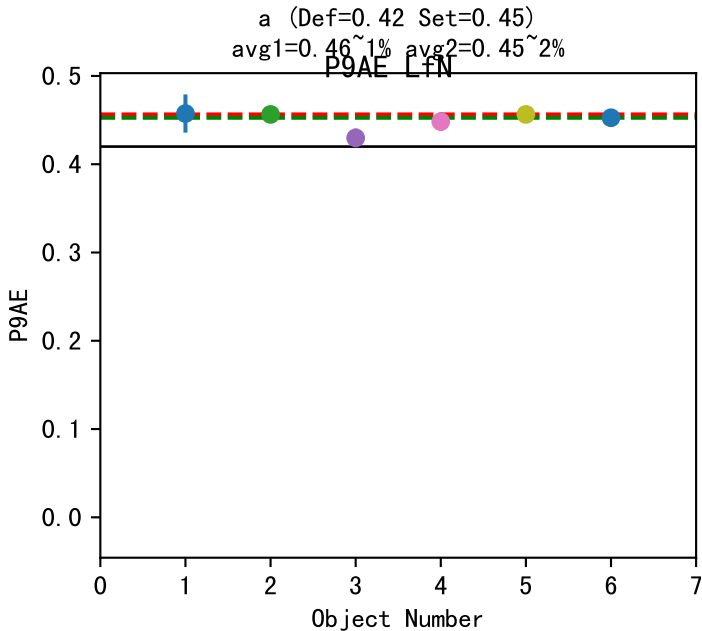


P9AE-111-7

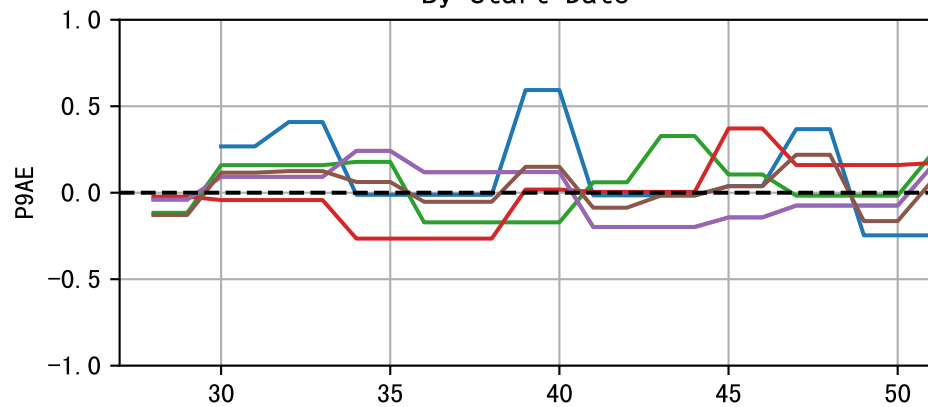


P9AEavg
LfN

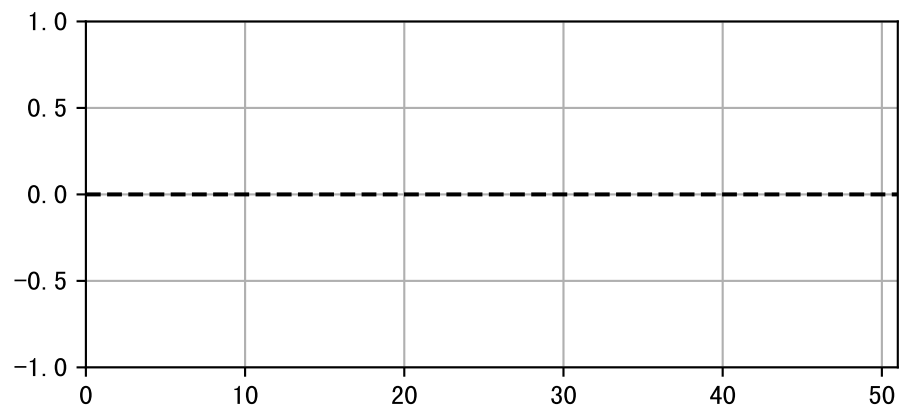
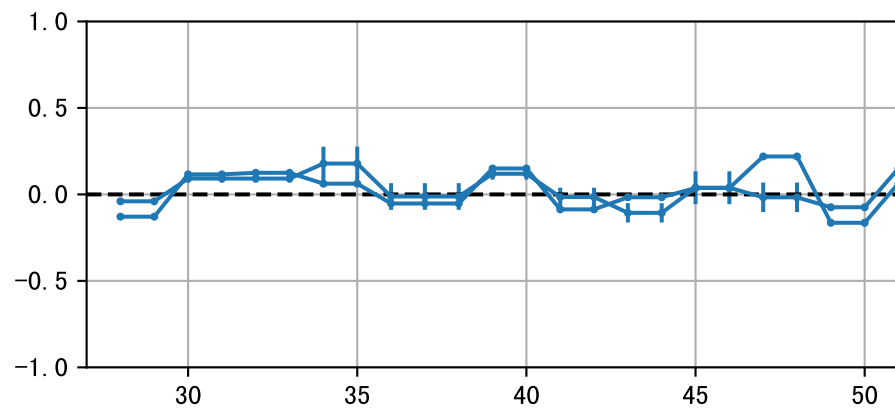
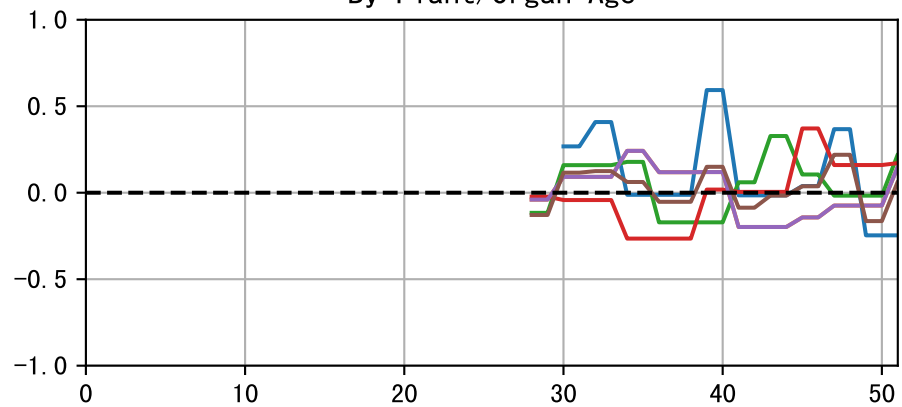




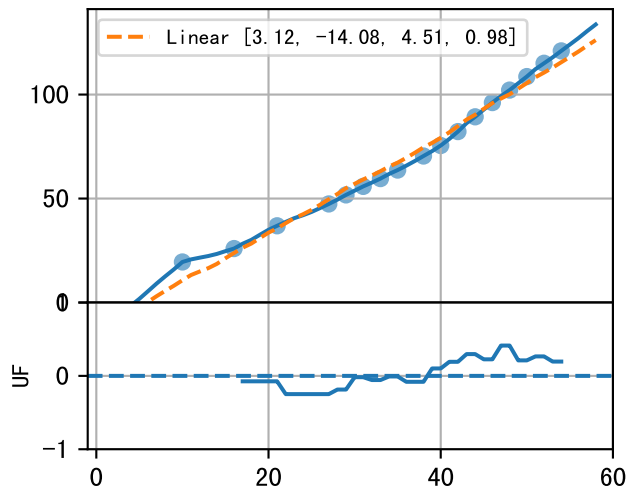
By Start Date



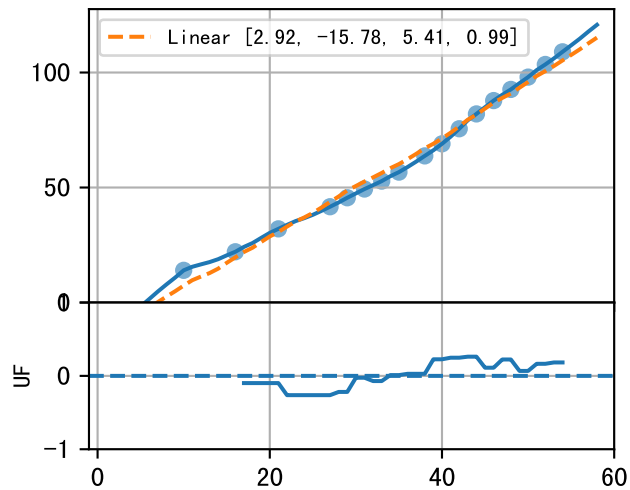
By Plant/Organ Age



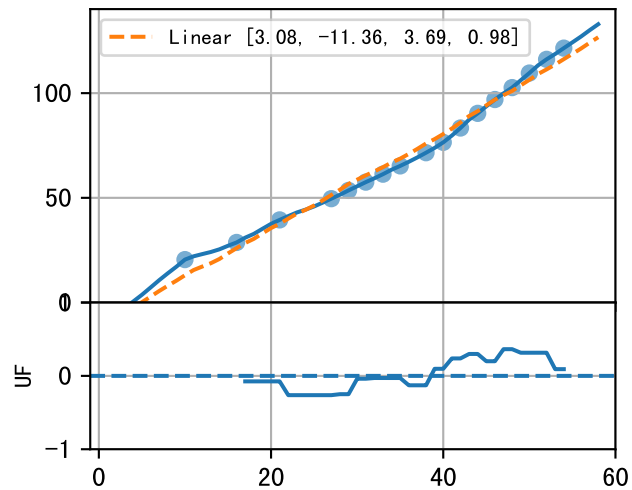
P9AE-065-3



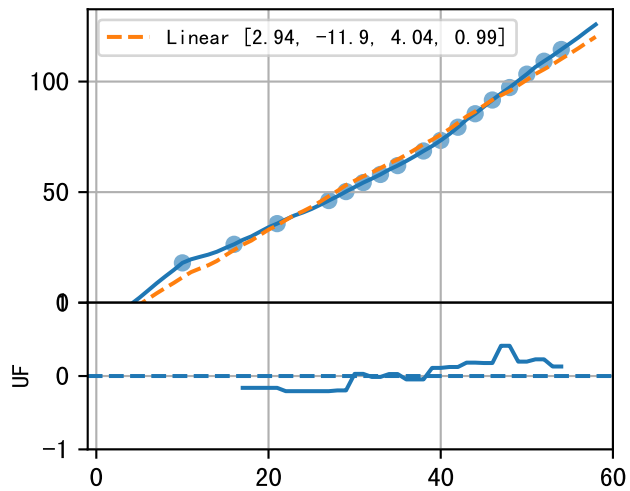
P9AE-077-32



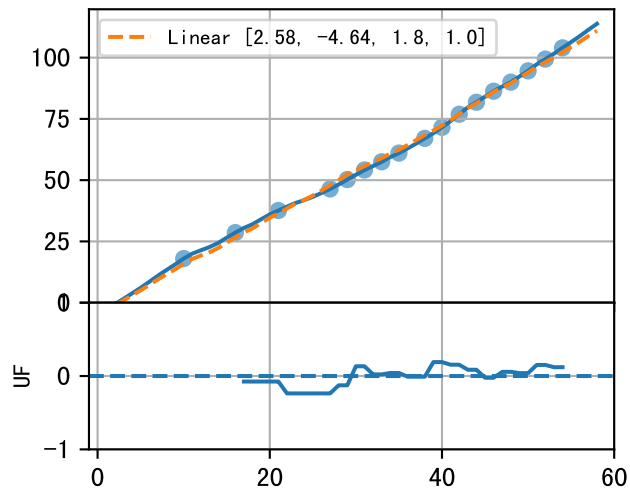
P9AE-089-25



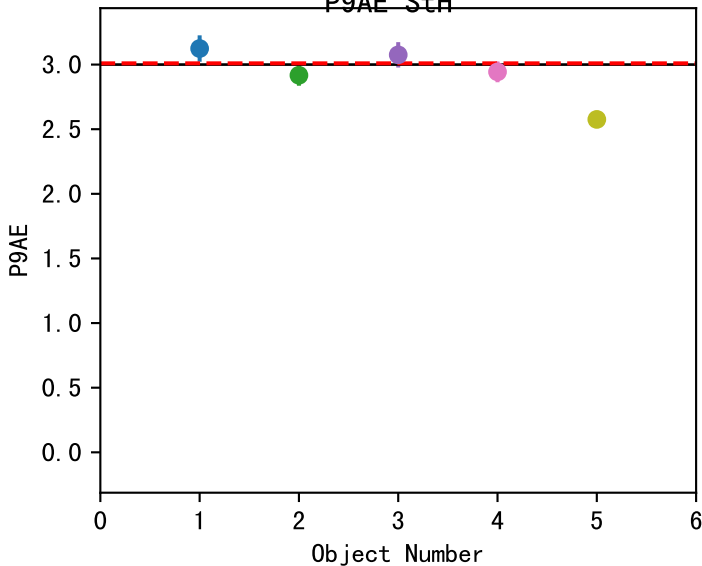
P9AE-100-19



P9AE-111-7

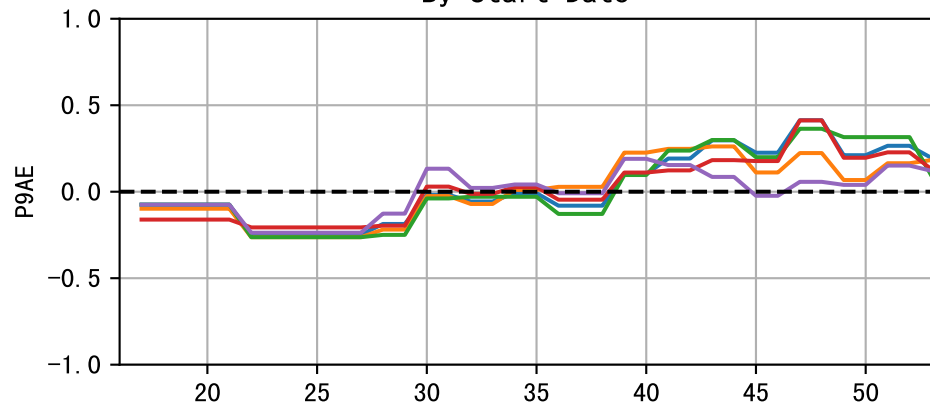


a (Def=3 Set=3.01)
avg1=3.01~3% avg2=na

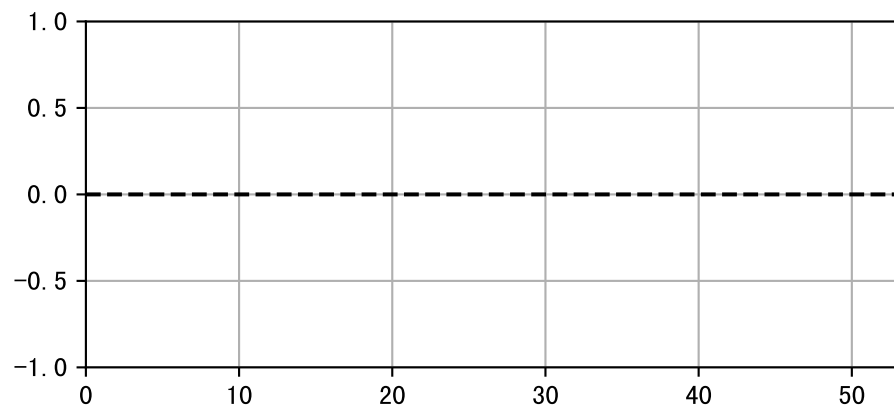
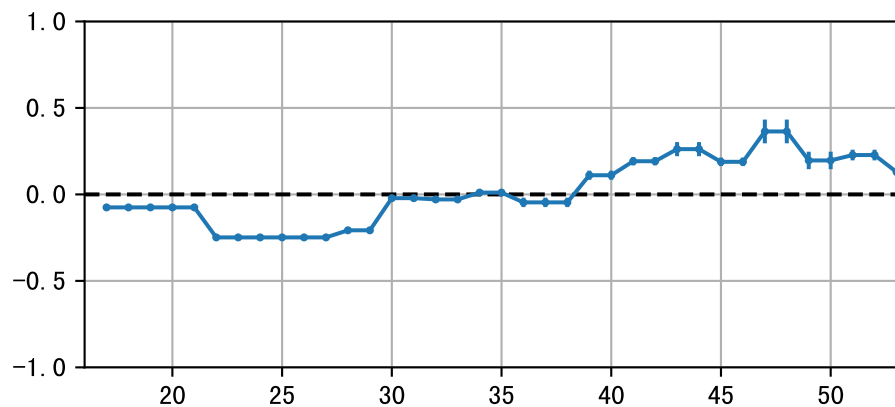
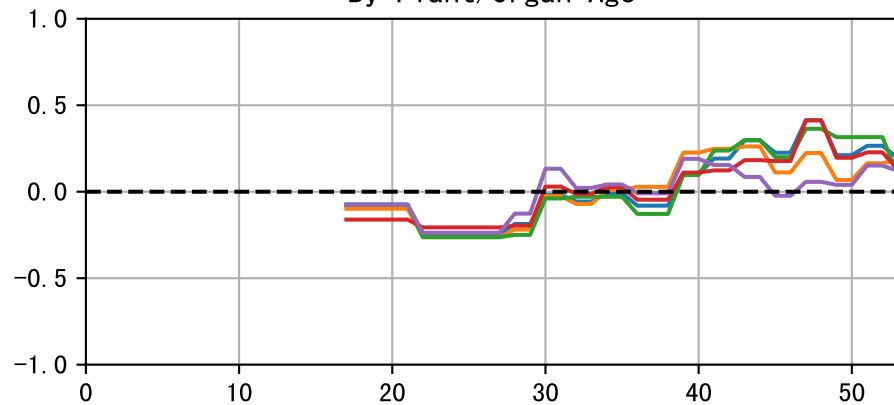


StH

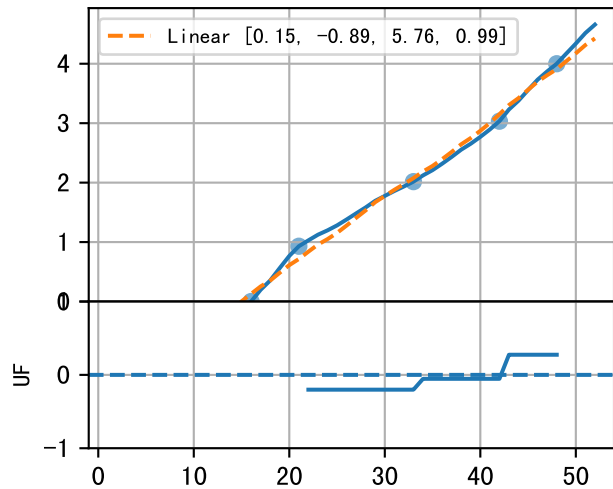
By Start Date



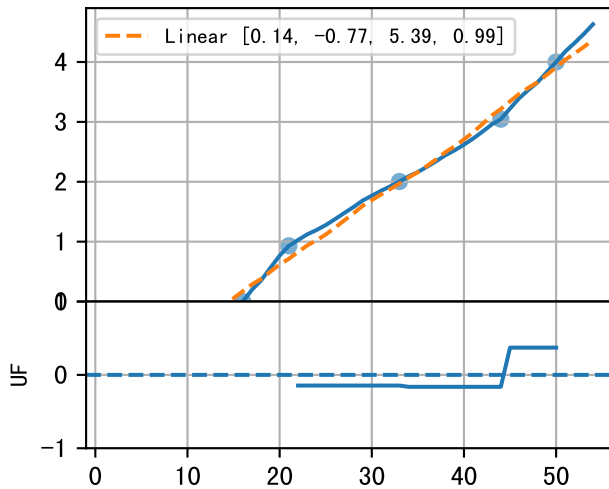
By Plant/Organ Age



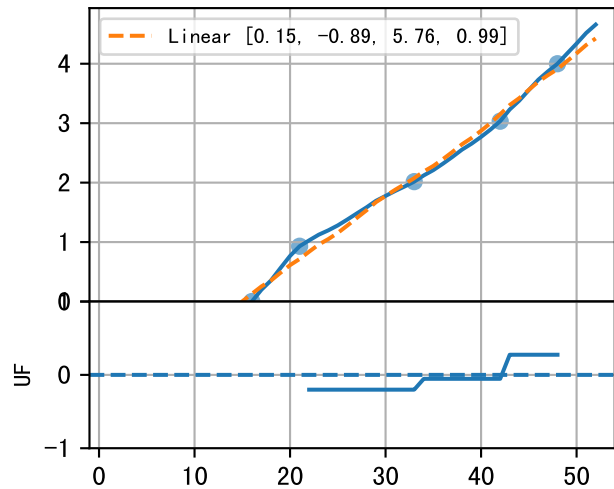
P9AE-065-3



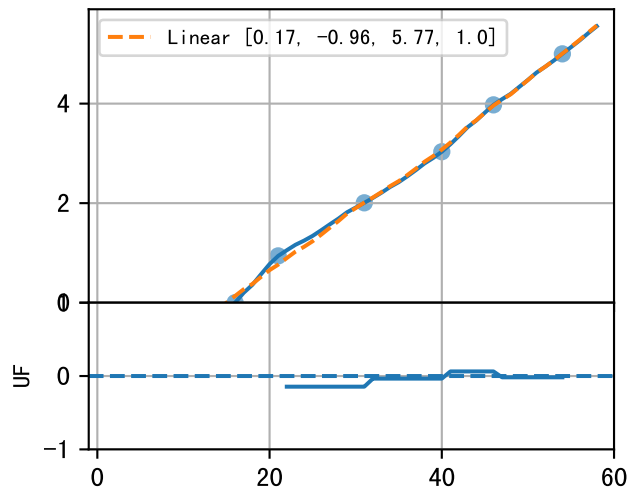
P9AE-077-32



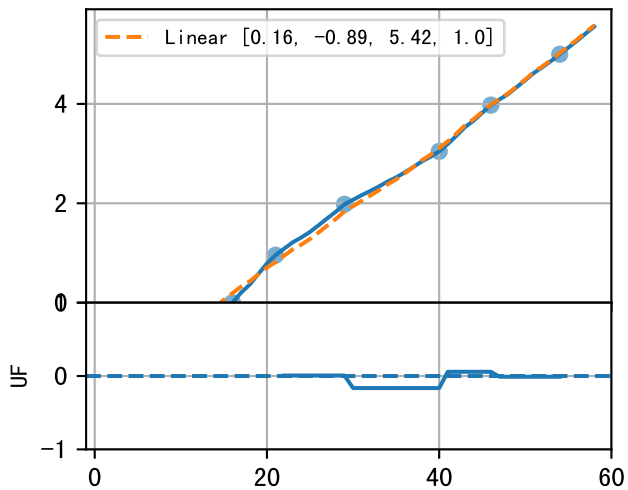
P9AE-089-25



P9AE-100-19



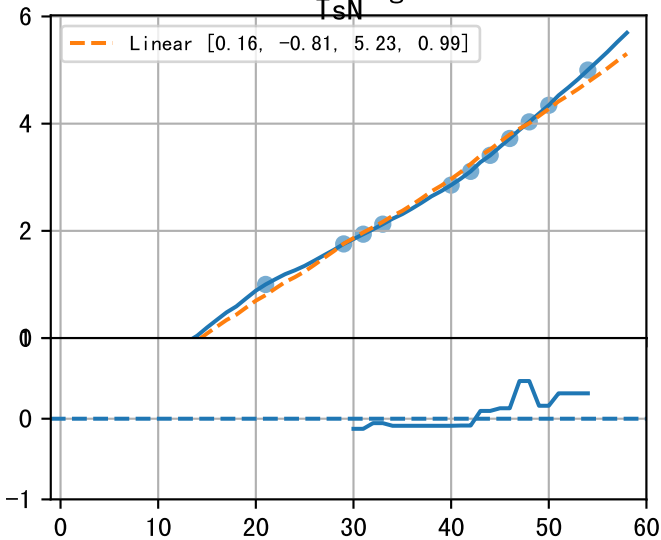
P9AE-111-7



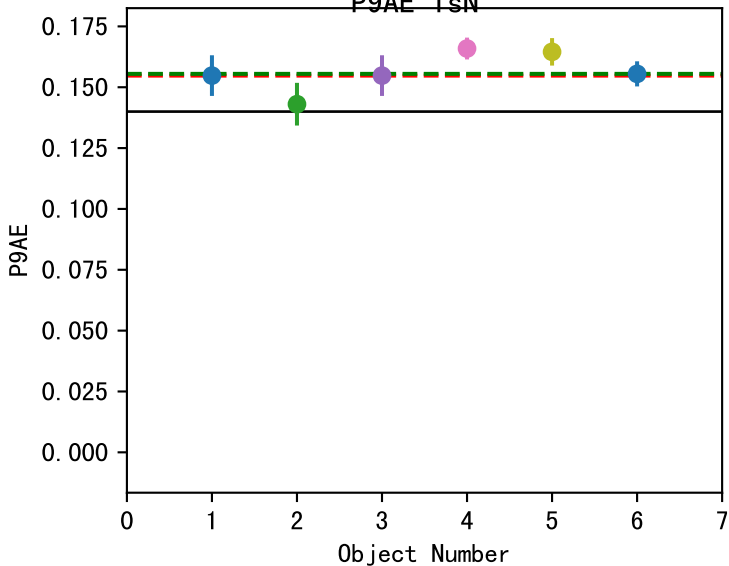
P9AEavg
TSN

Linear [0.16, -0.81, 5.23, 0.99]

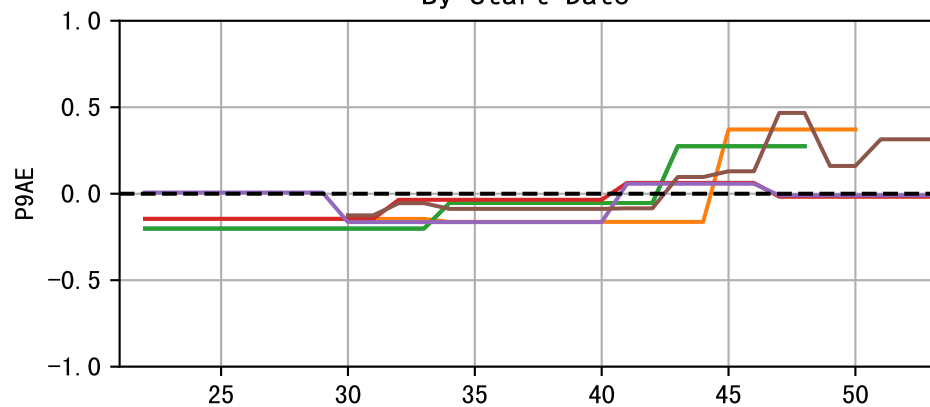
UF



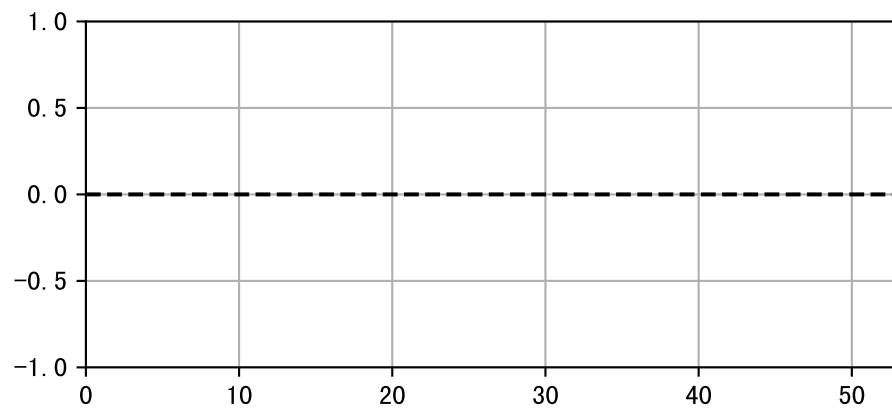
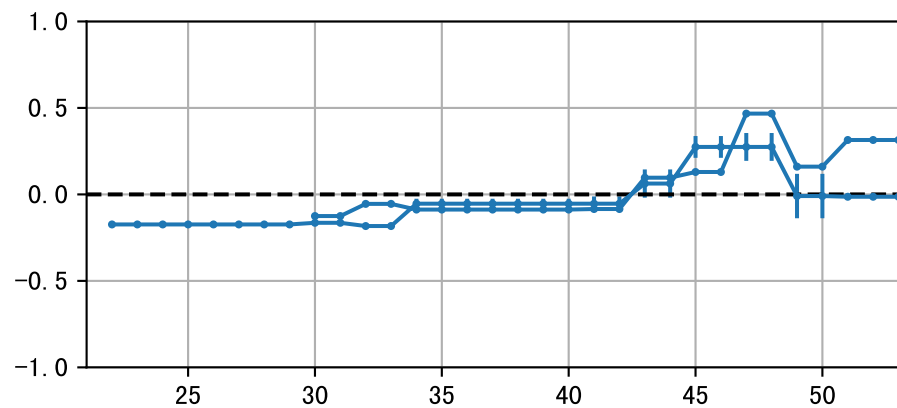
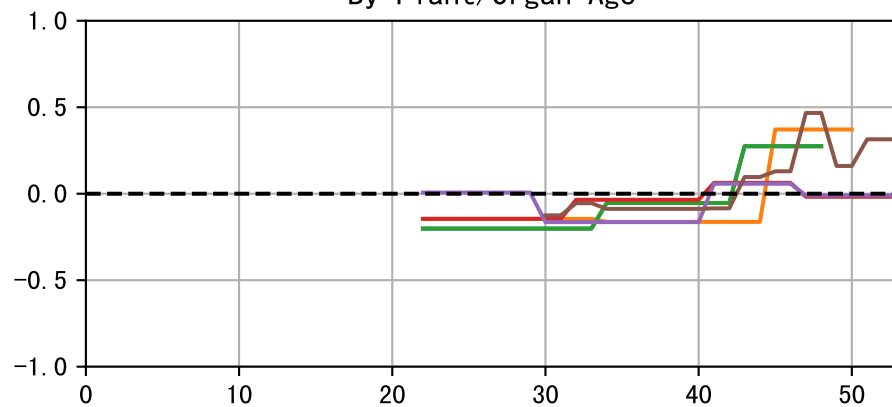
a (Def=0.14 Set=0.16)
avg1=0.15~6% avg2=0.16~7%



By Start Date

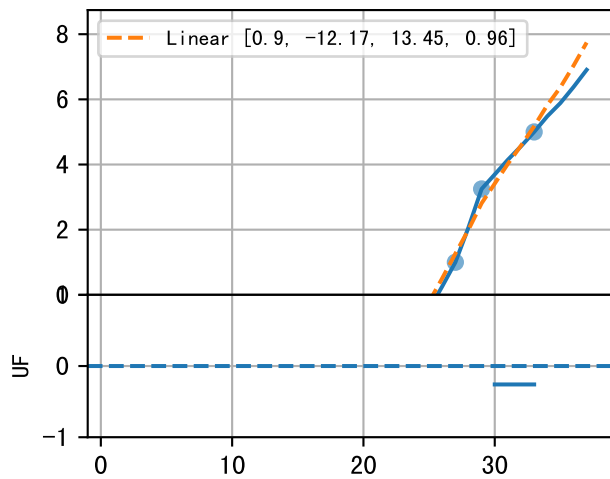


By Plant/Organ Age

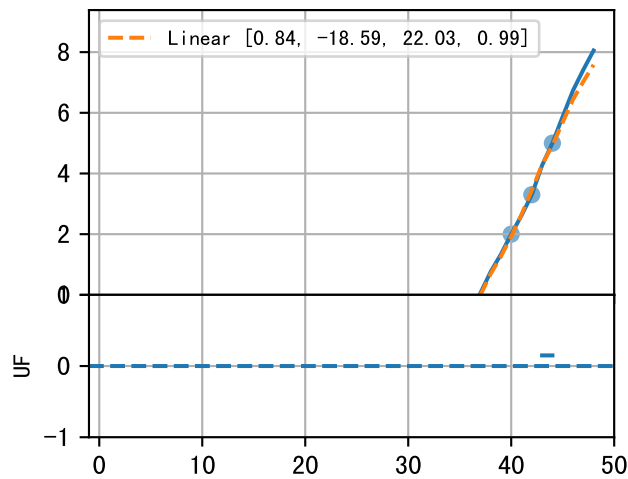


ErN

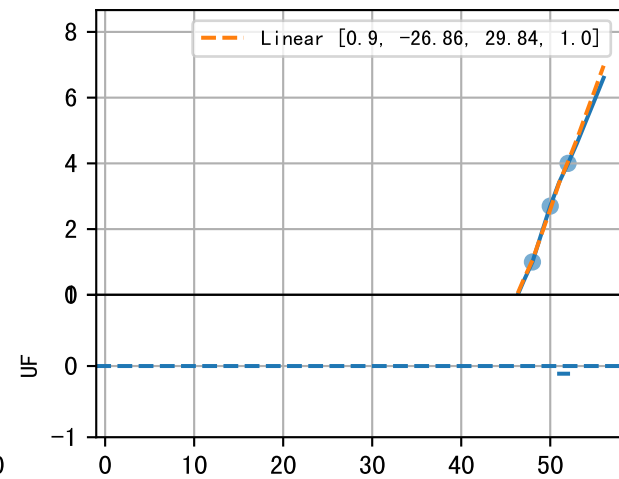
P9AE-065-3T1



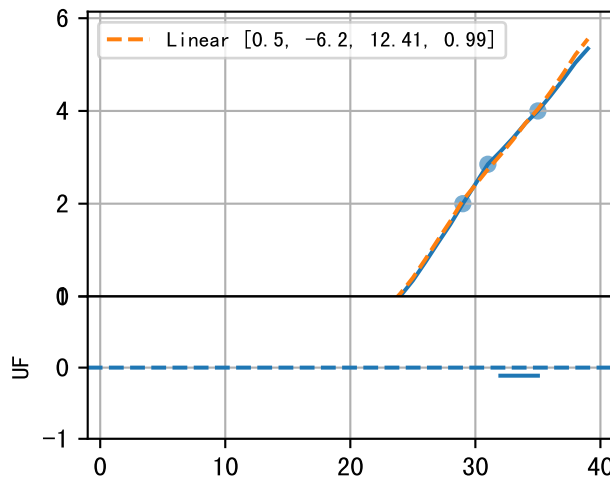
P9AE-065-3T2



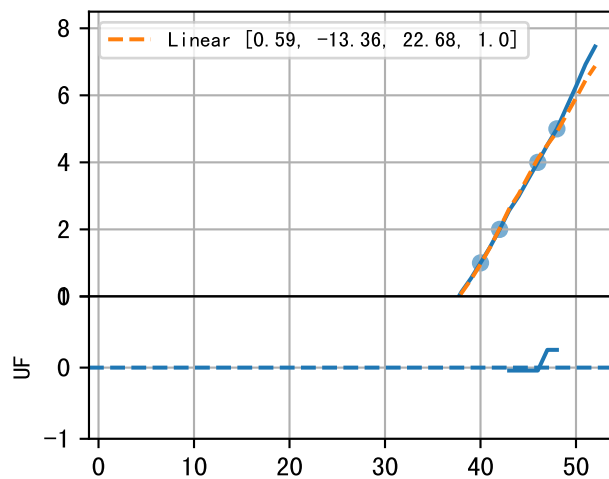
P9AE-065-3T3



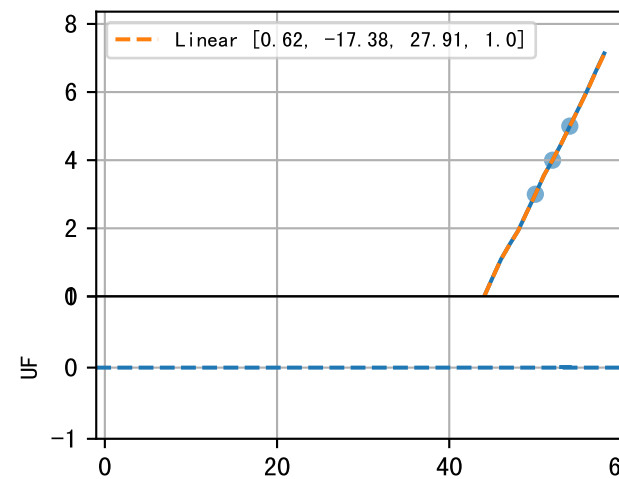
P9AE-077-32T1



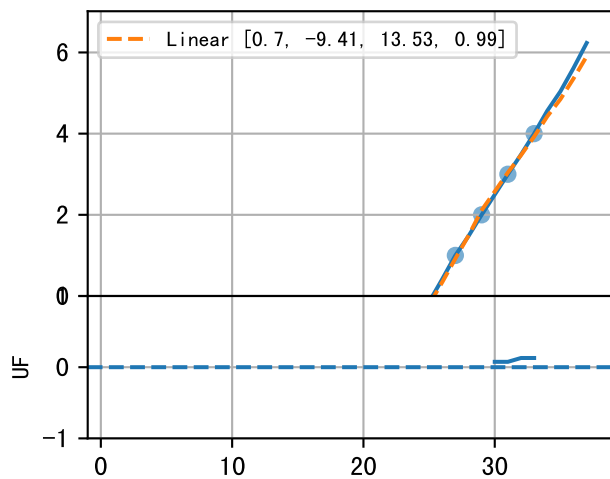
P9AE-077-32T2



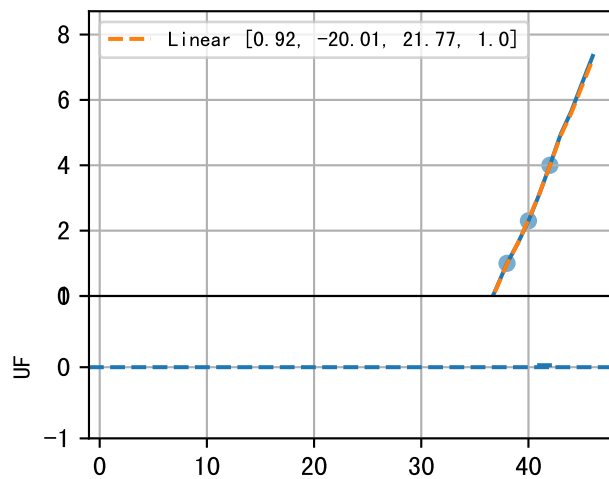
P9AE-077-32T3



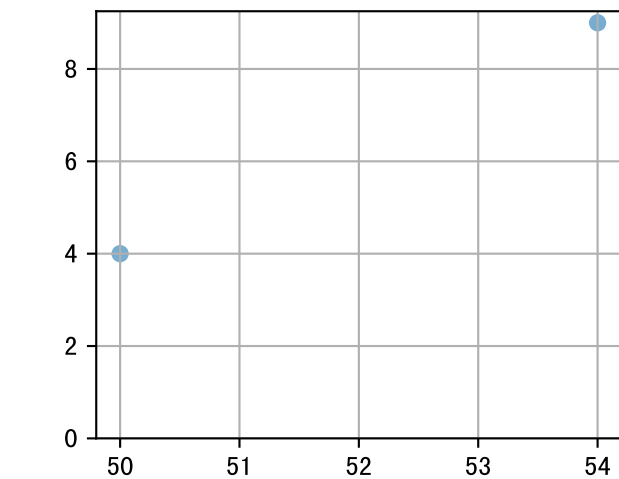
P9AE-089-25T1



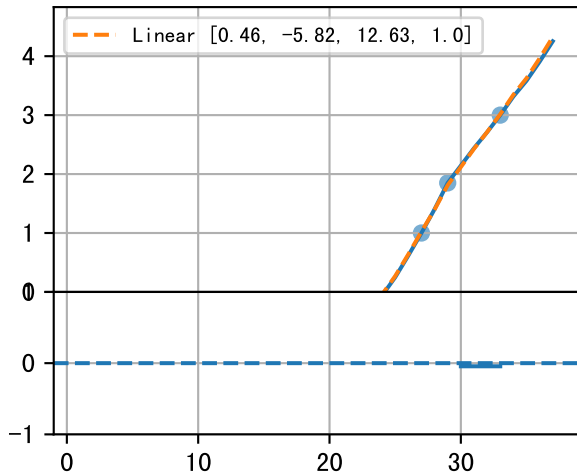
P9AE-089-25T2



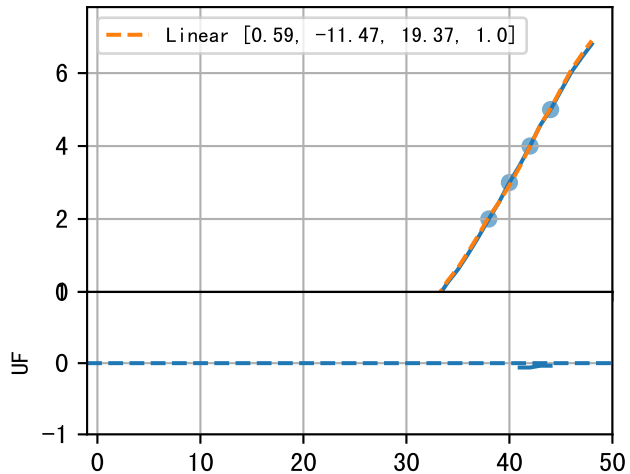
P9AE-089-25T3 (fit failed)



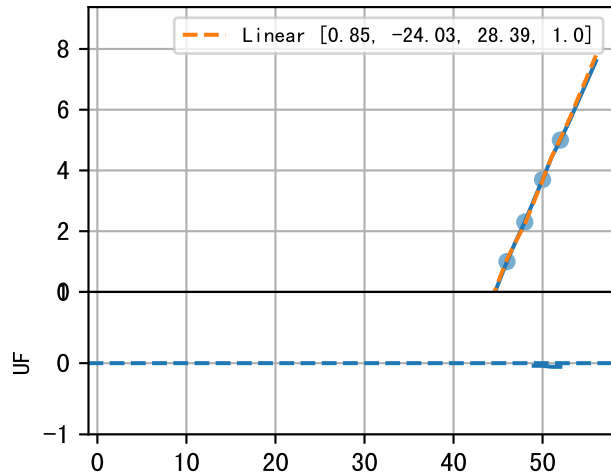
P9AE-100-19T1



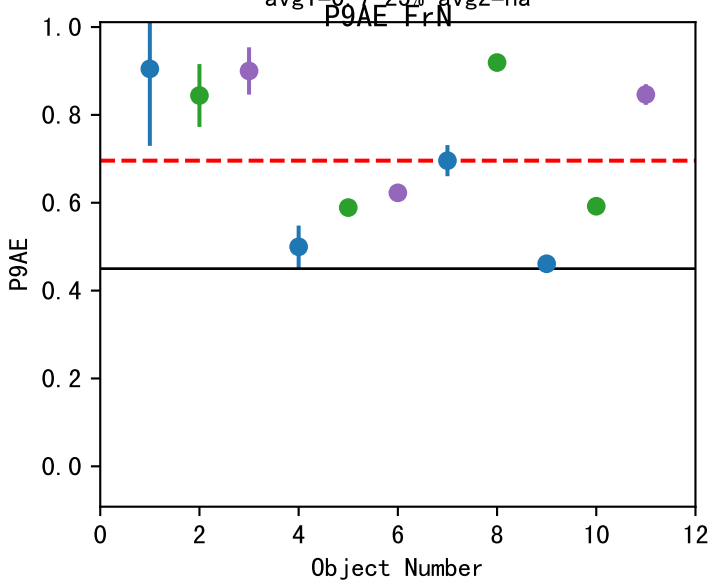
P9AE-100-19T2



P9AE-100-19T3

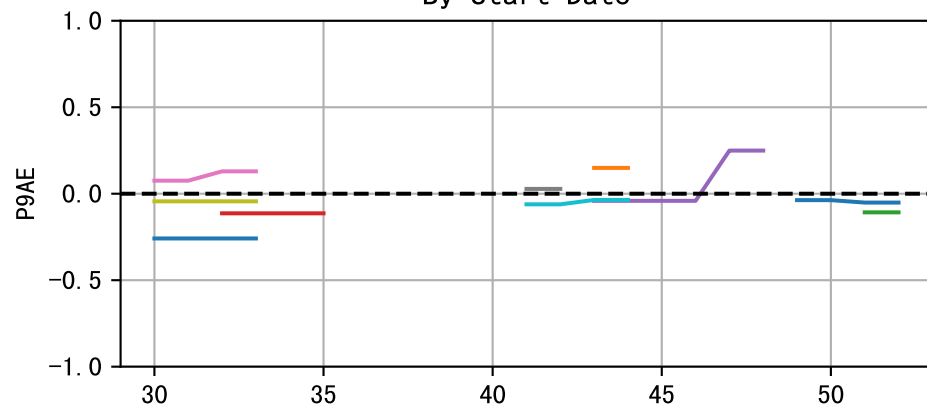


a (Def=0.45 Set=0.7)
avg1=0.7~25% avg2=na

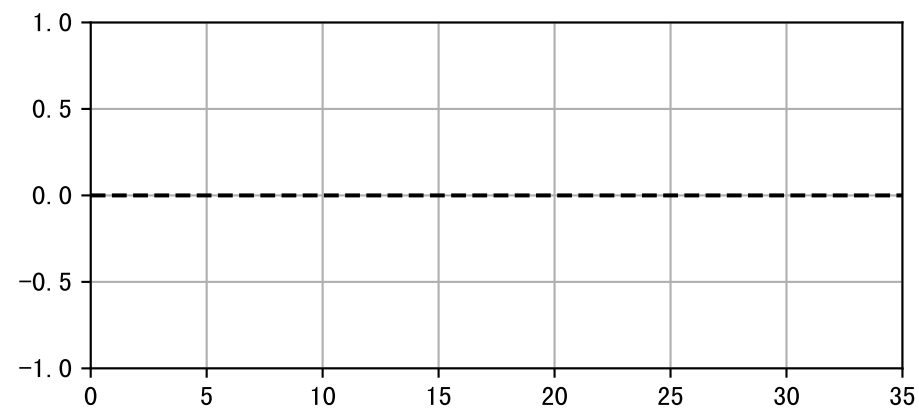
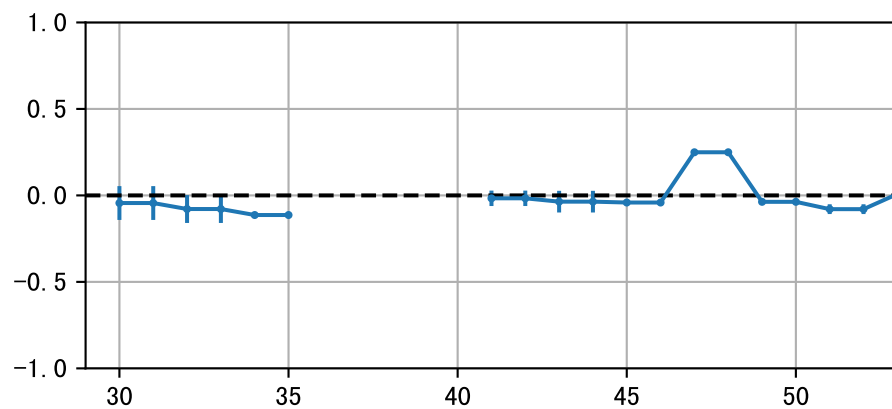
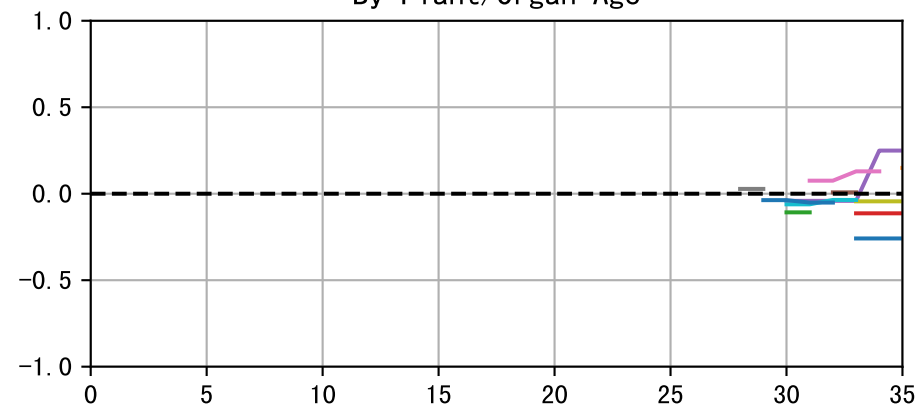


FrN

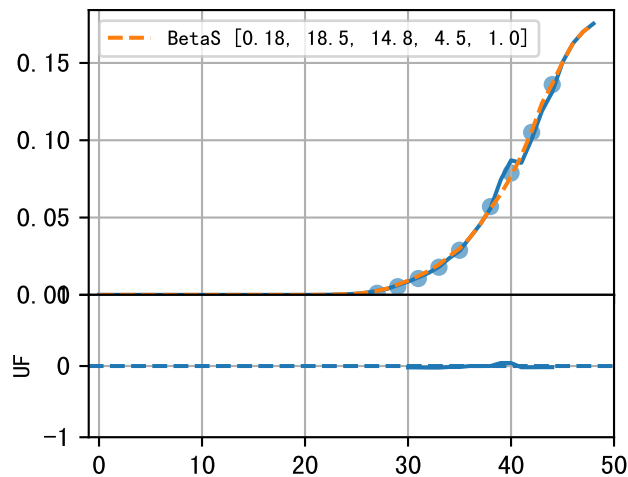
By Start Date



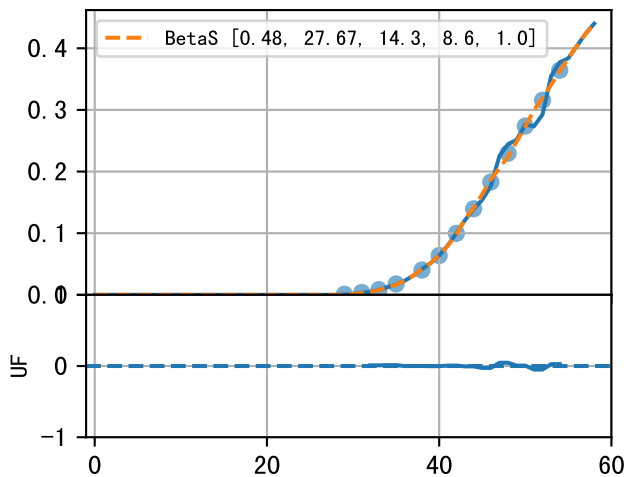
By Plant/Organ Age



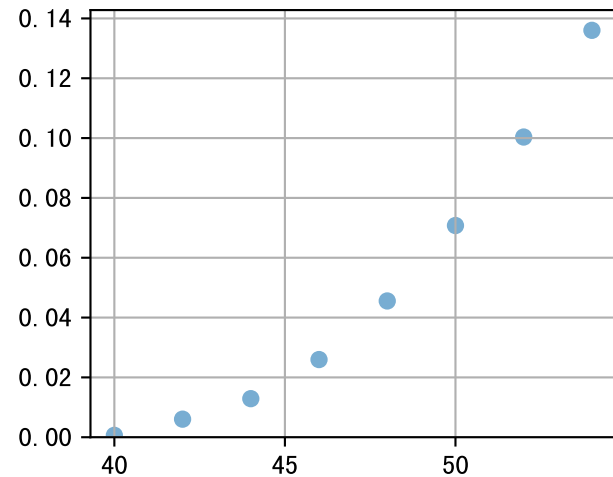
P9AE-065-3T1Fr1



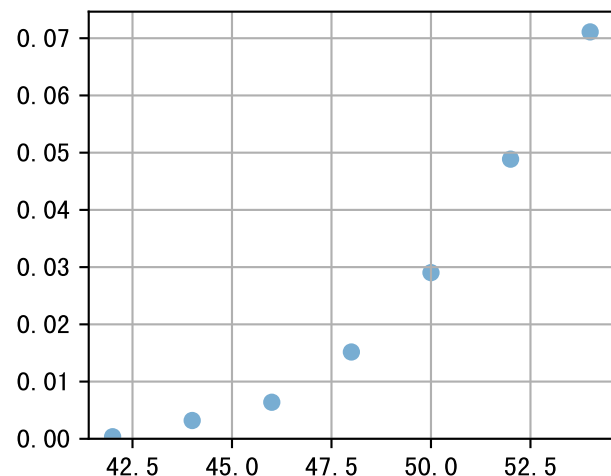
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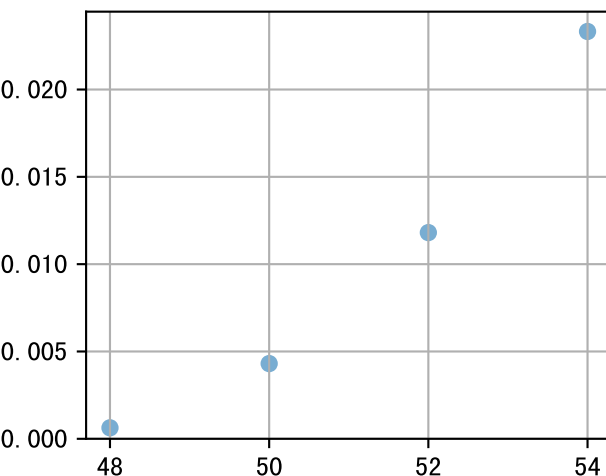
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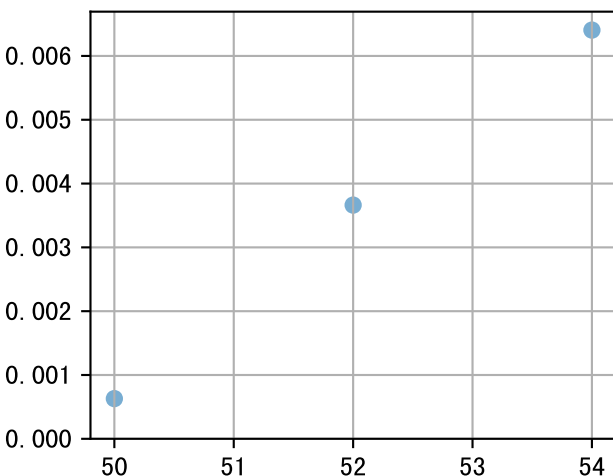
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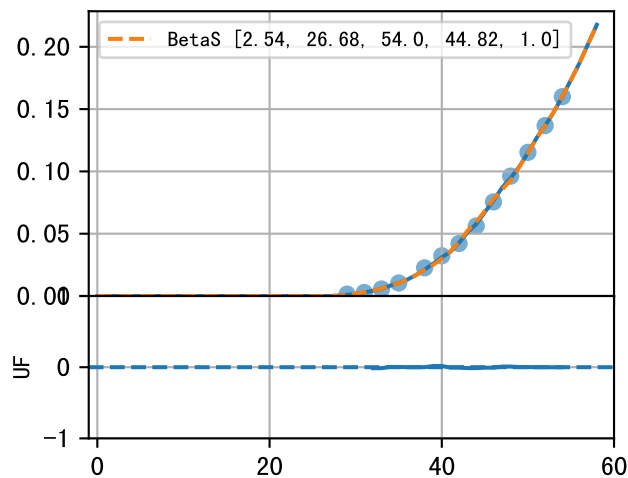
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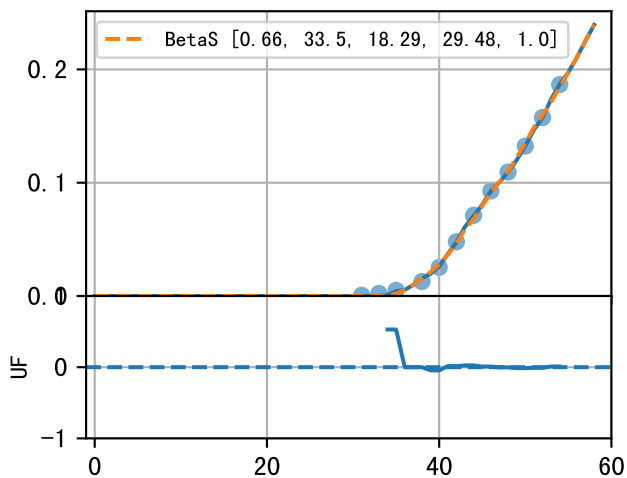
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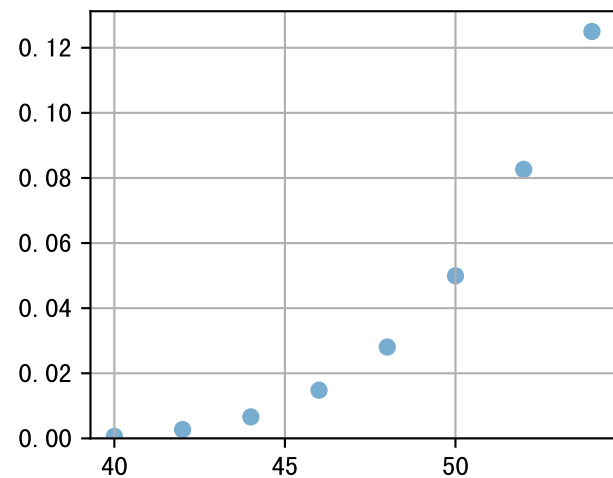
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P9AE-077-32T1Fr5 (fit failed)

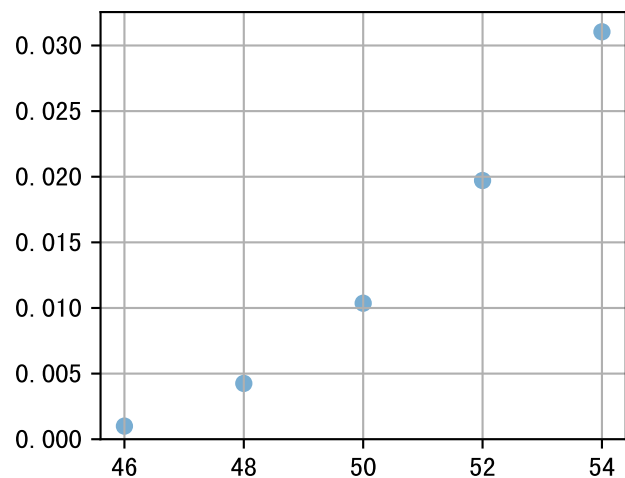


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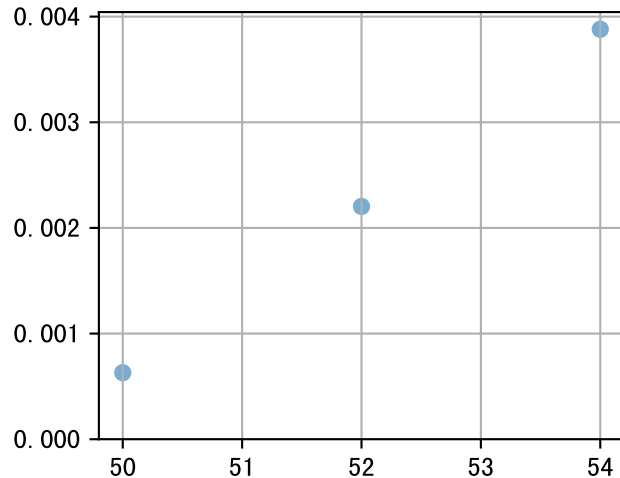


FrV

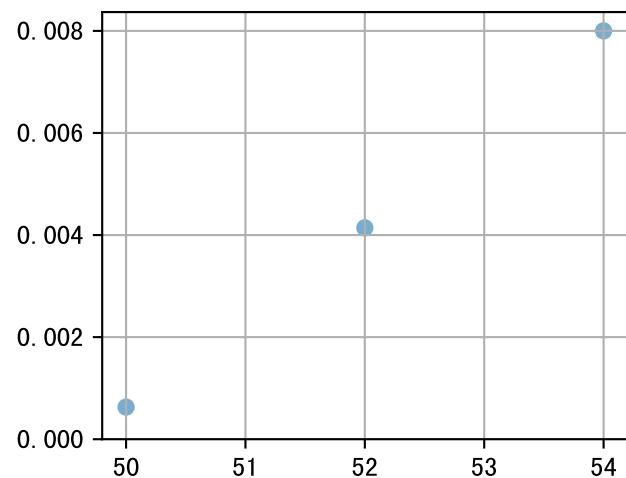
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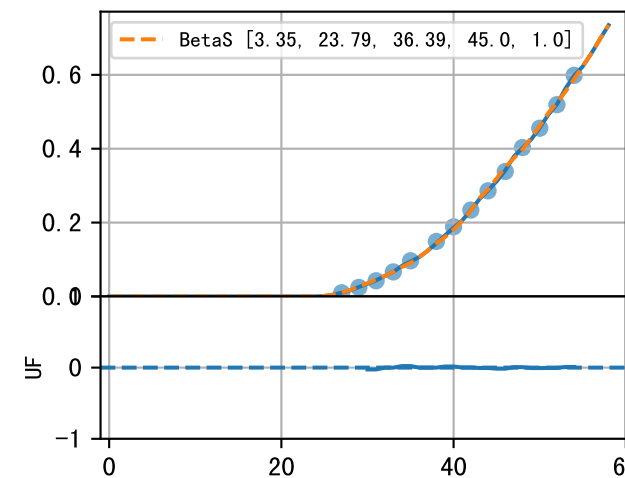
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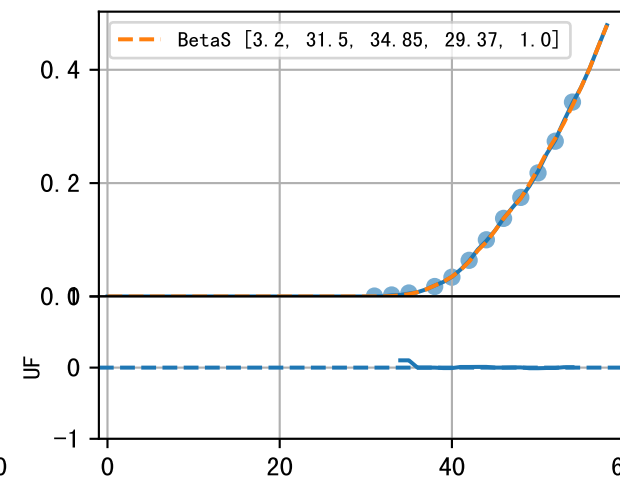
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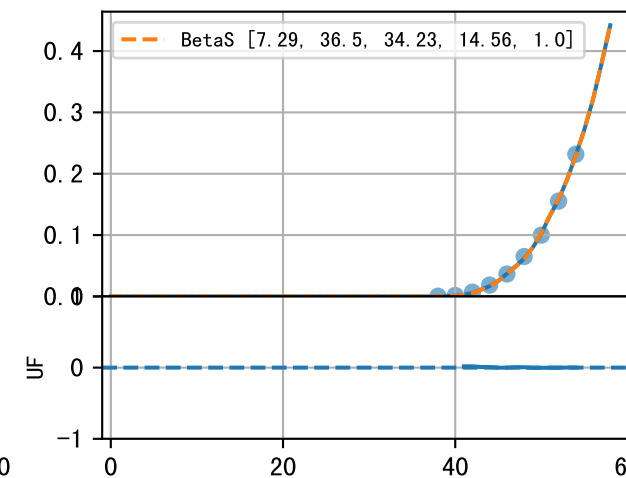
P9AE-089-25T1Fr1 (fit failed)



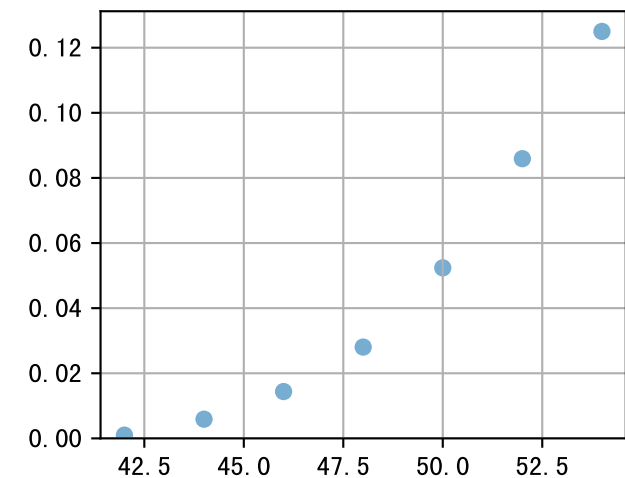
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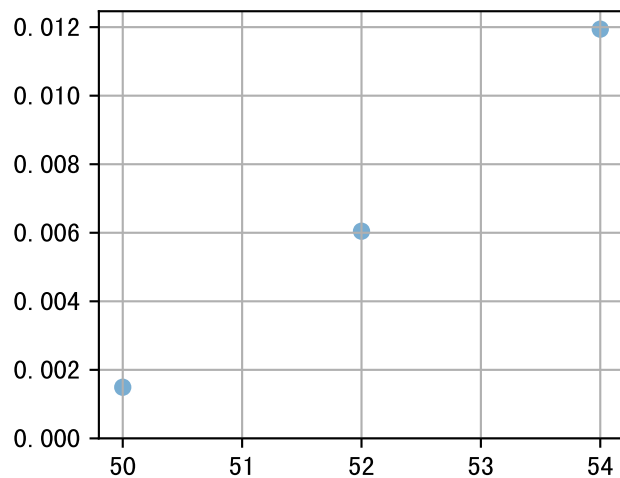
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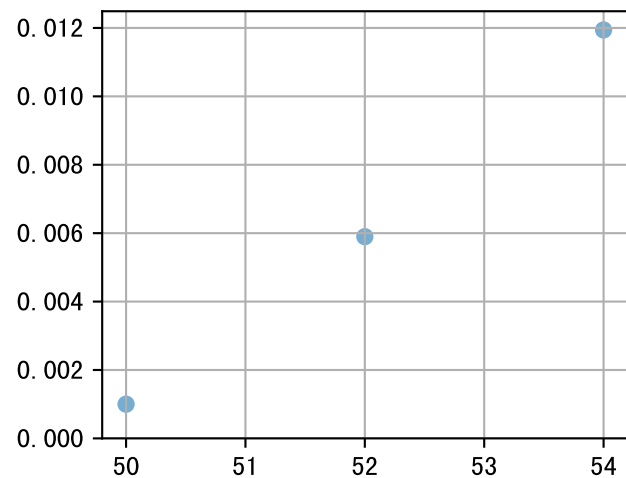
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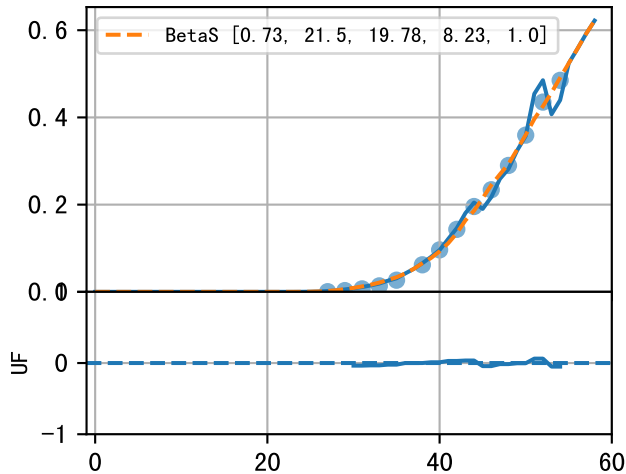
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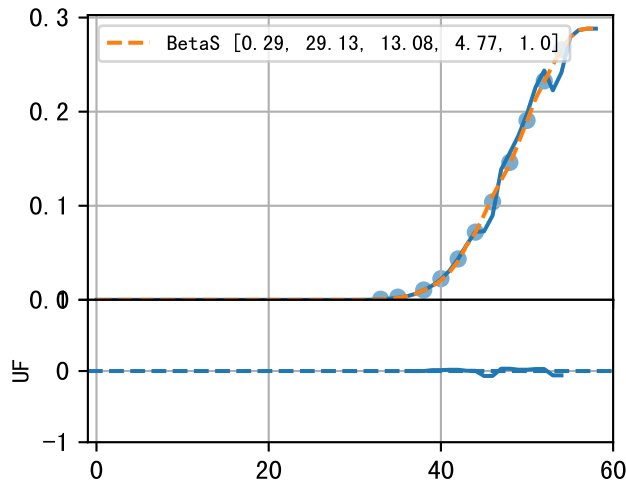
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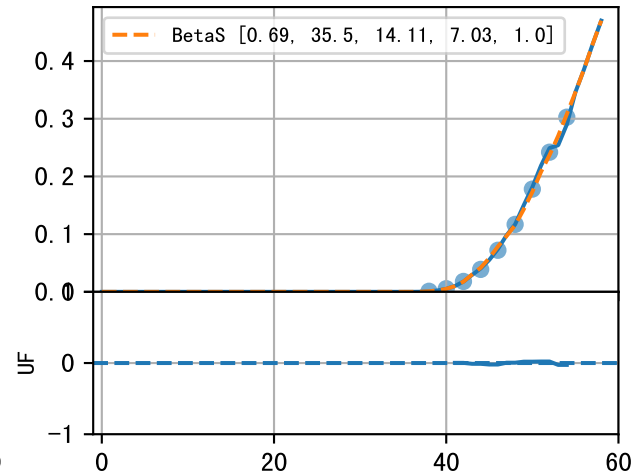
P9AE-100-19T1Fr1



P9AE-100-19T1Fr5



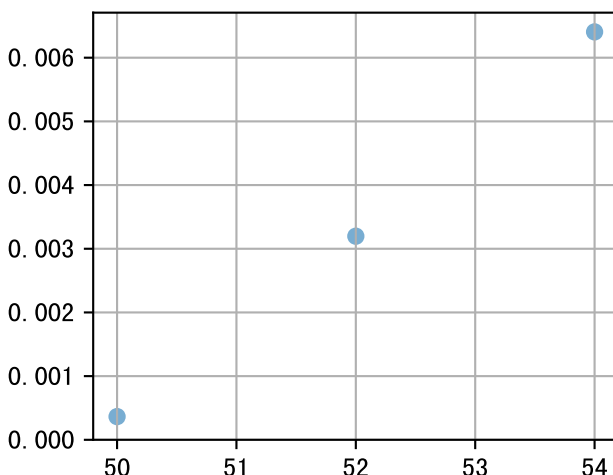
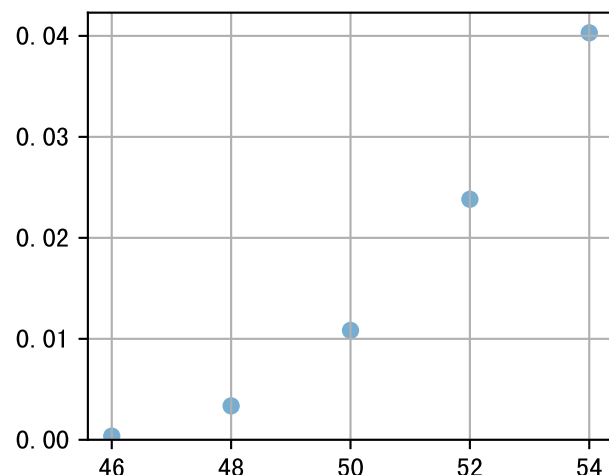
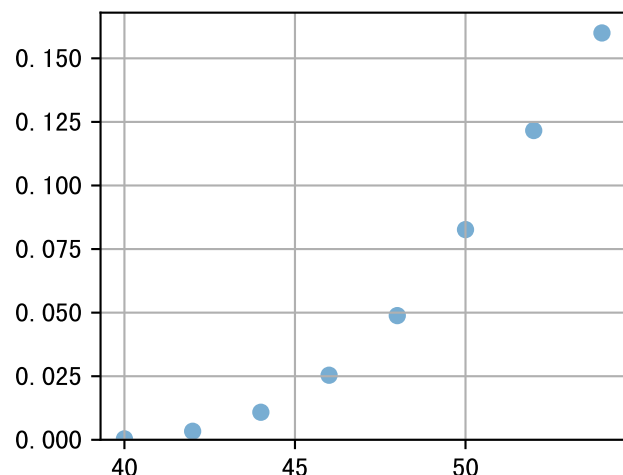
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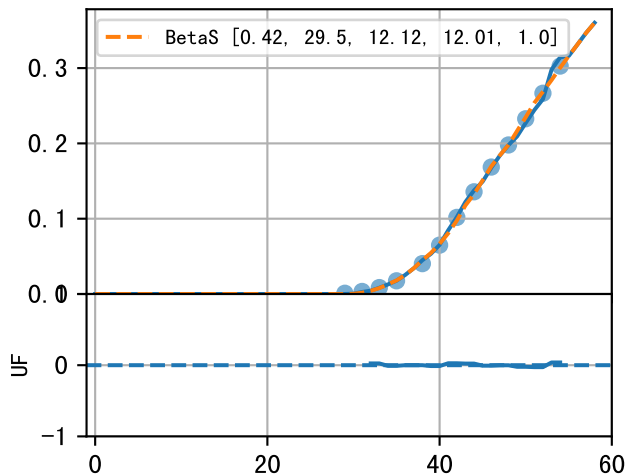
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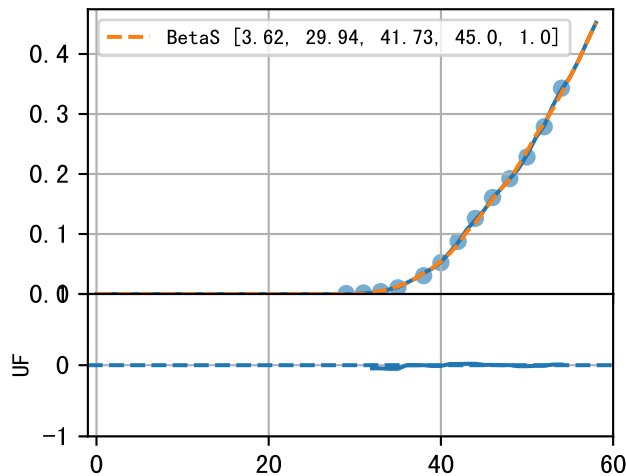
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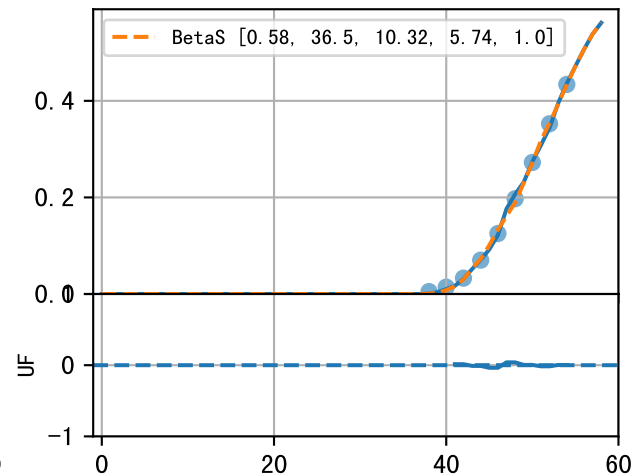
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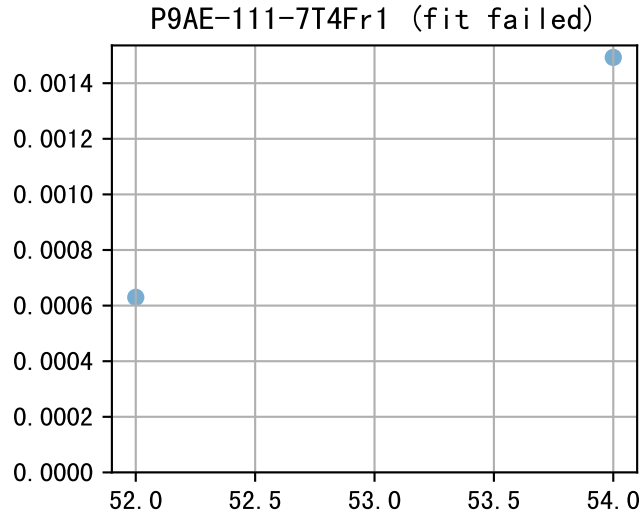
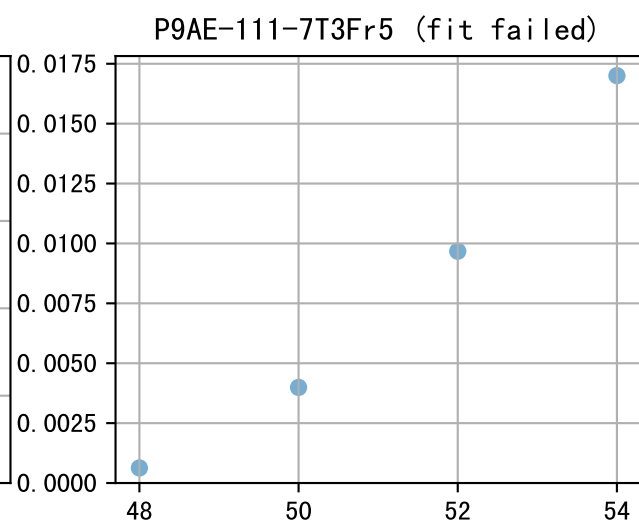
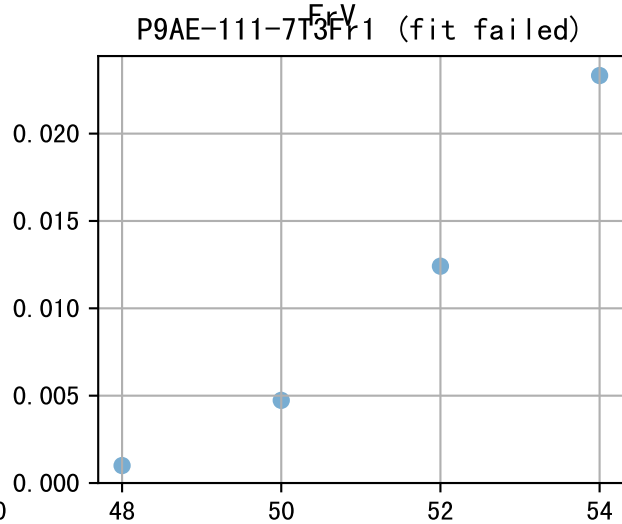
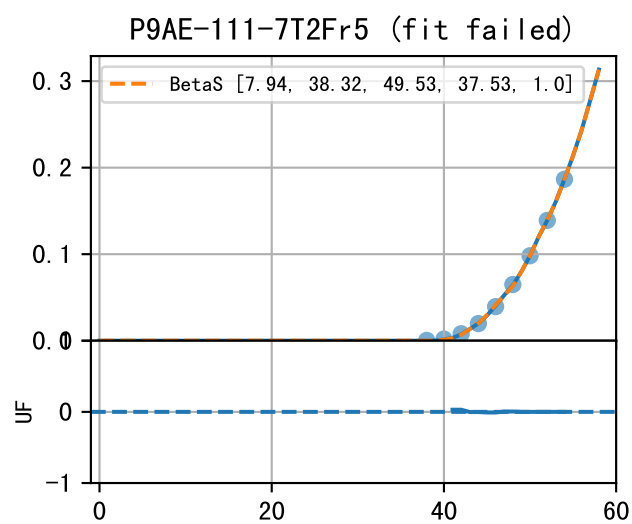


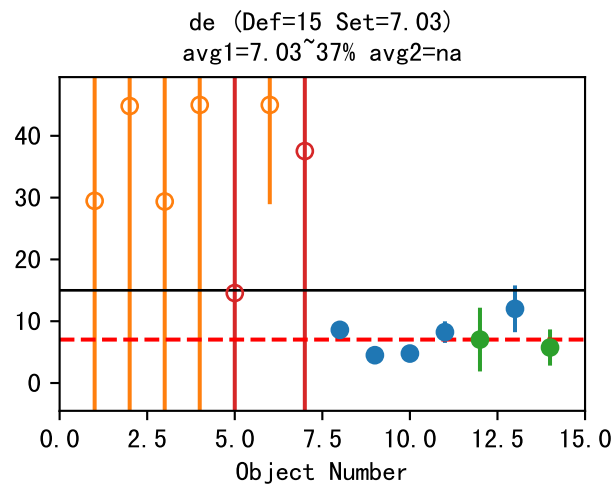
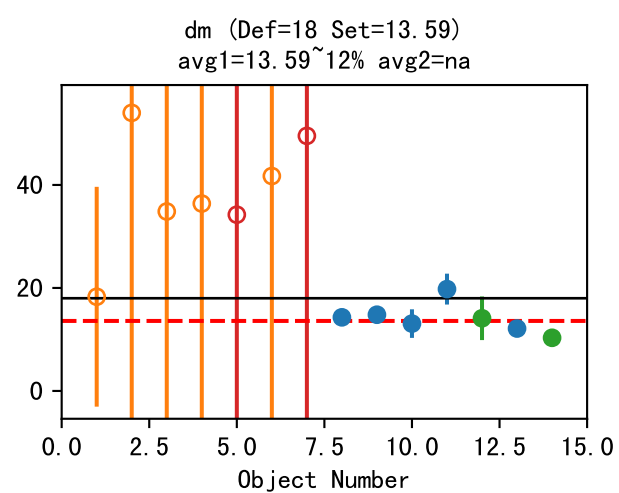
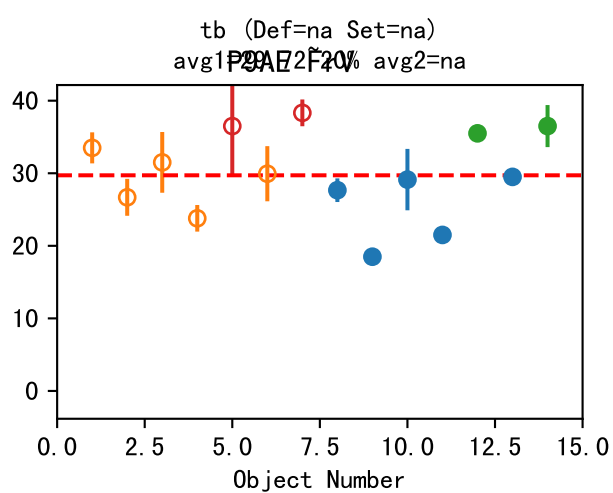
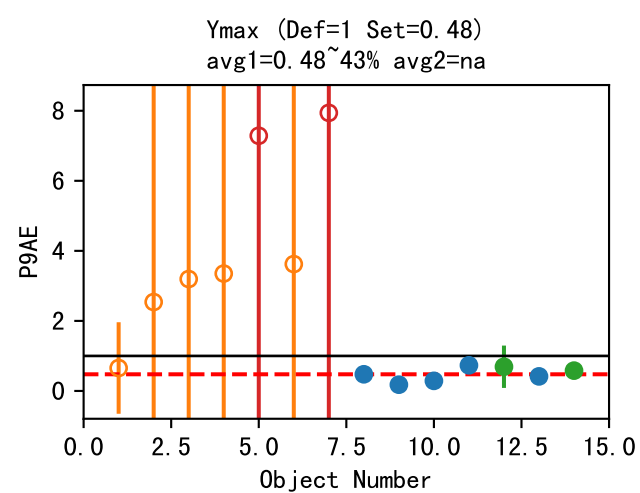
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P9AE-111-7T2Fr1

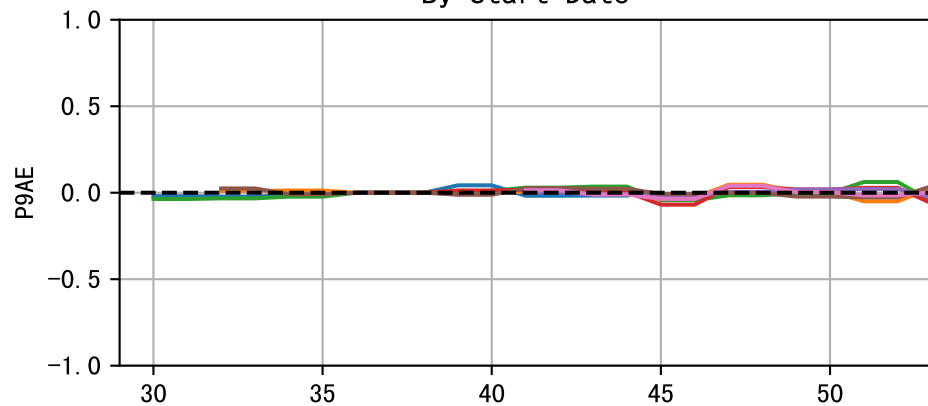




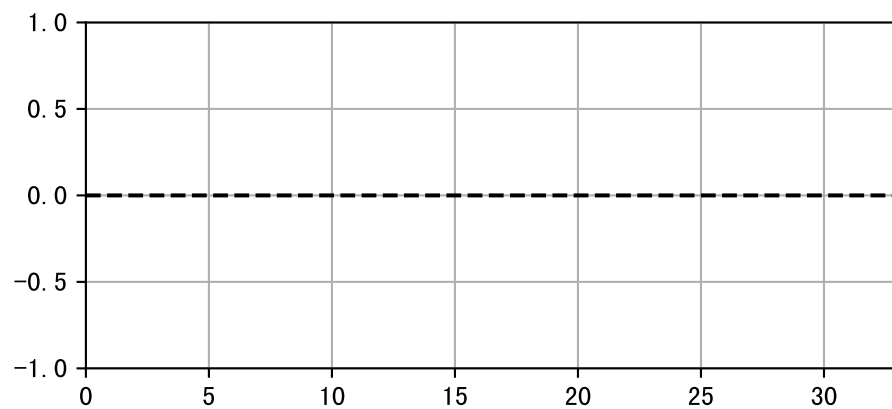
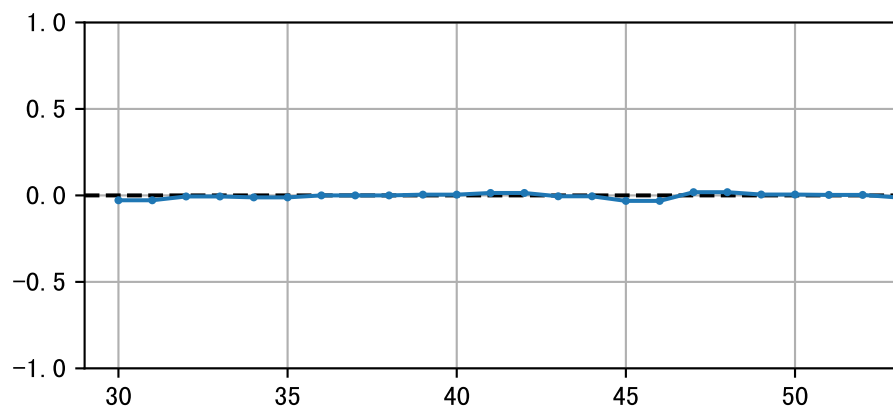
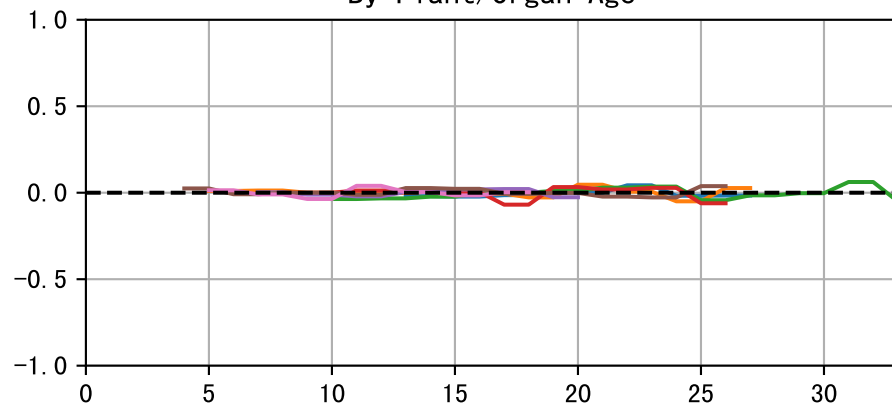


FrV

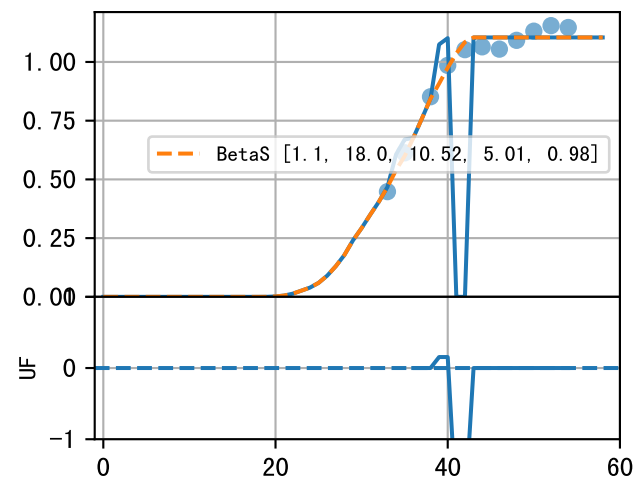
By Start Date



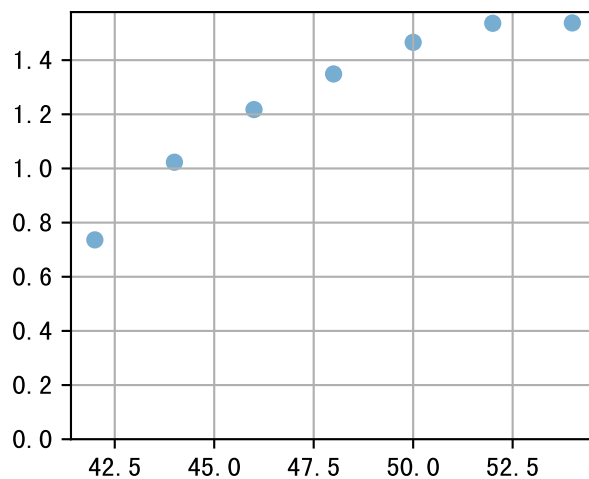
By Plant/Organ Age



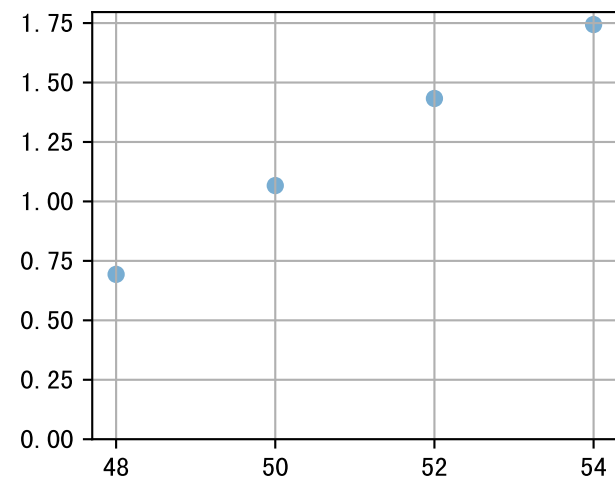
P9AE-065-3L10 (fit failed)



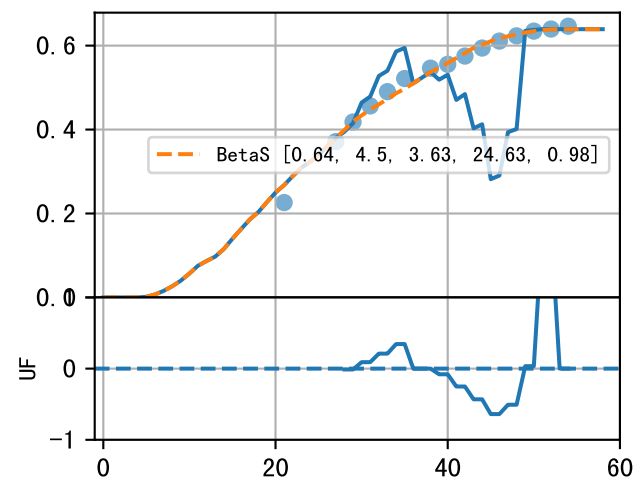
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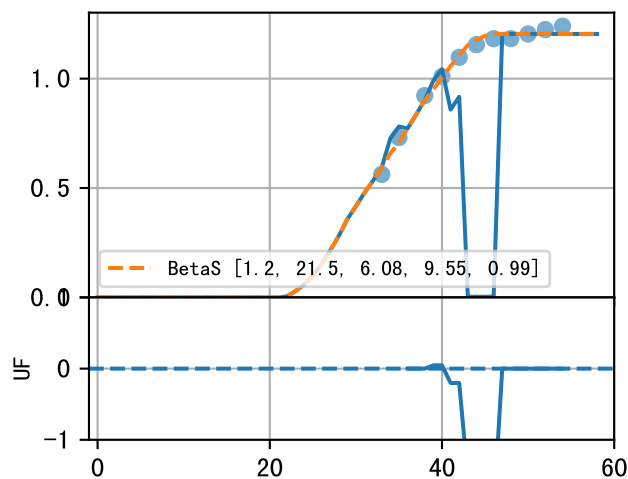
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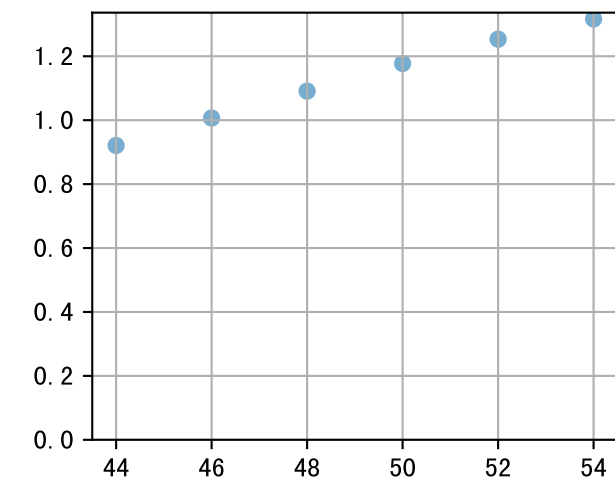
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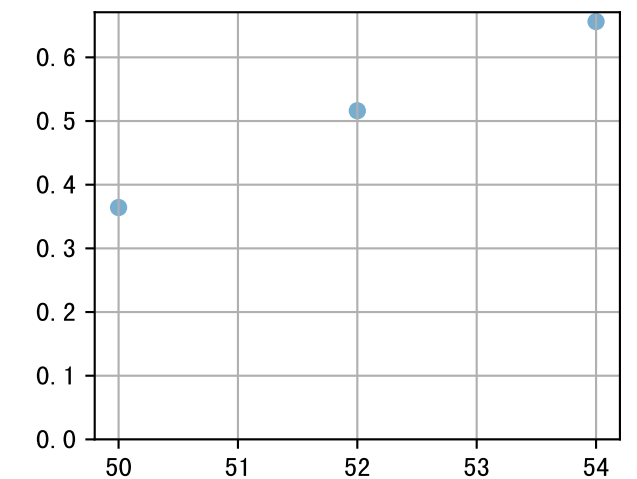
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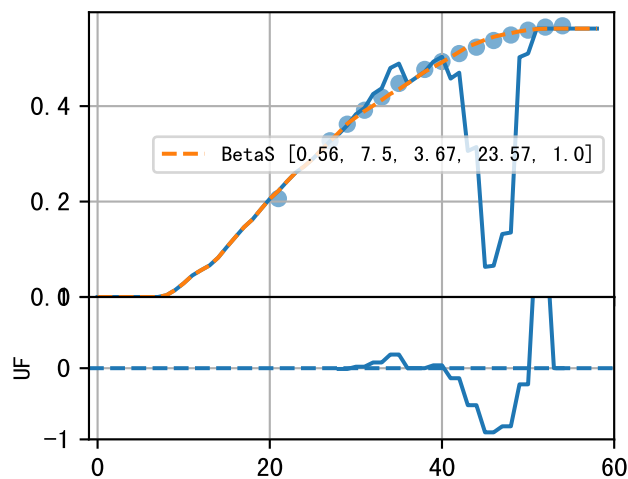
P9AE-077-32L13 (fit failed)



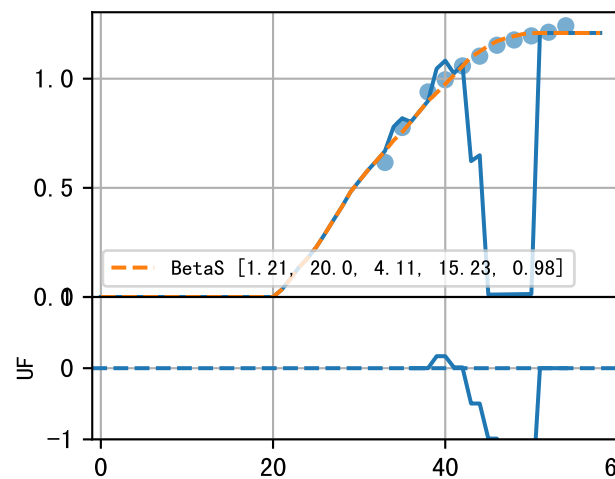
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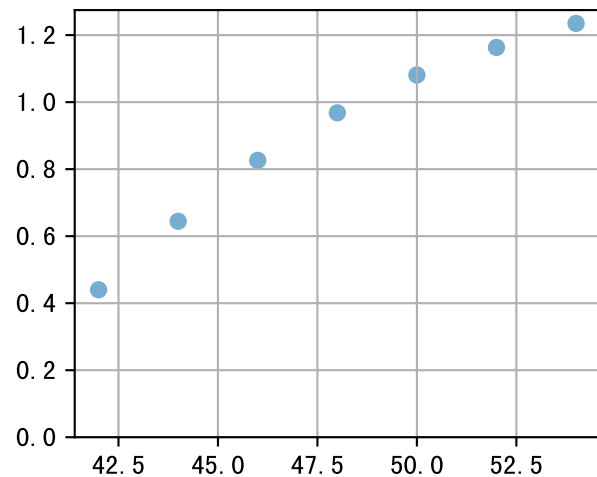
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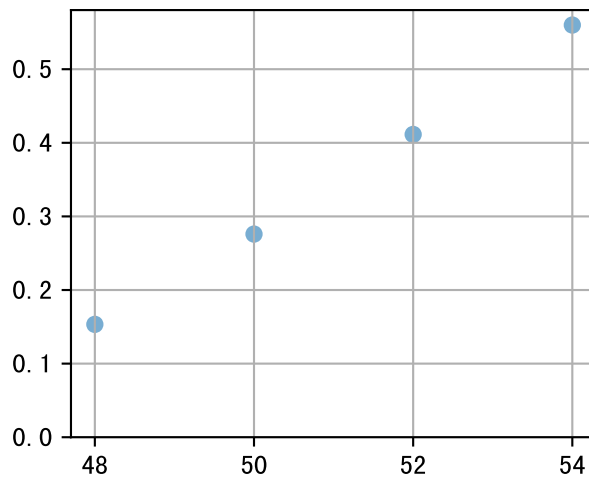
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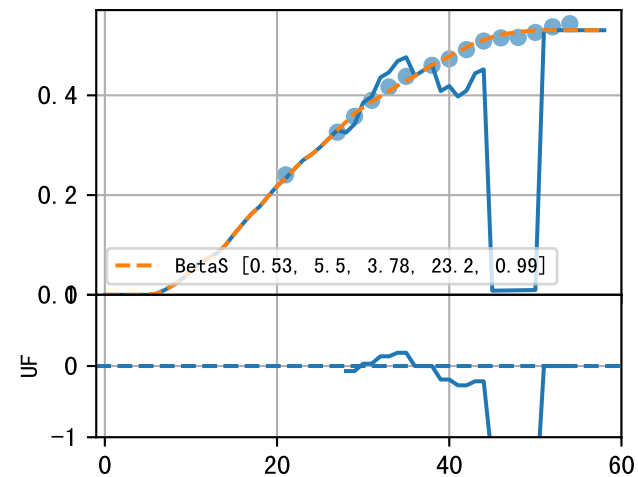
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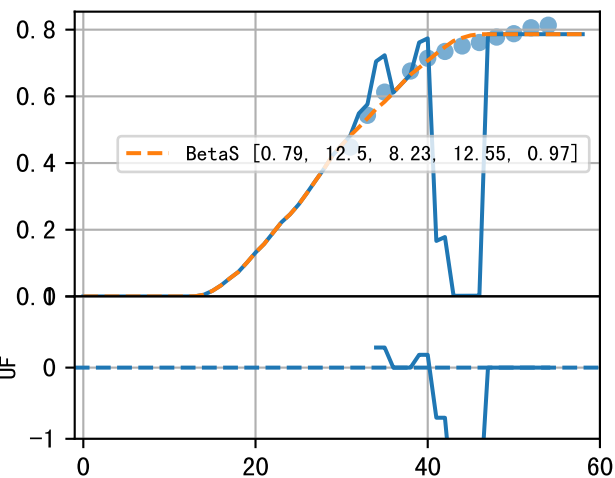
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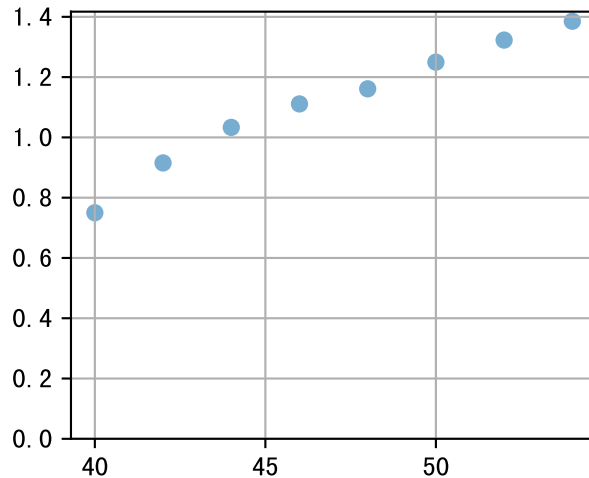
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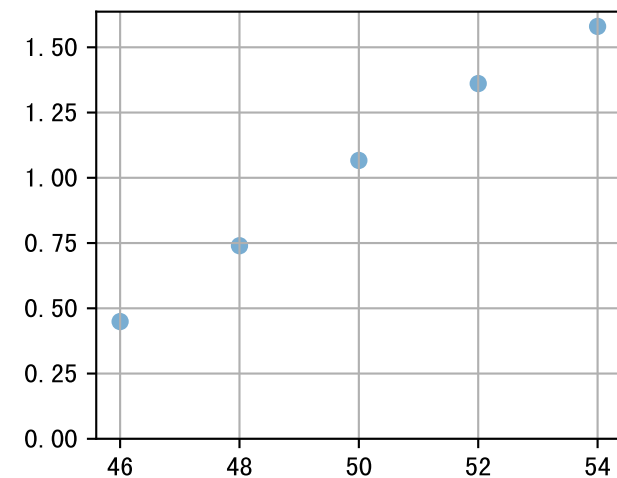
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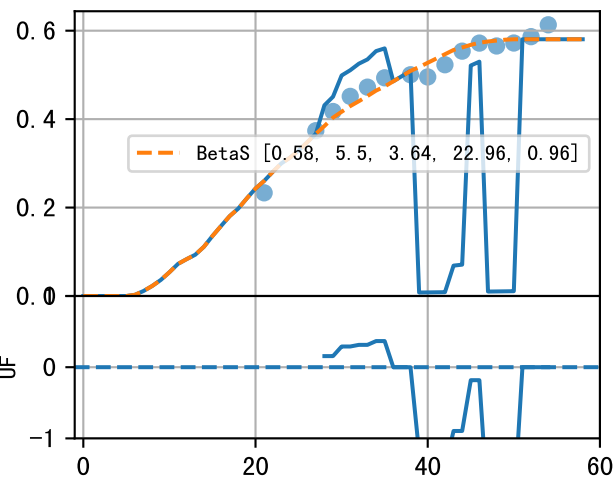
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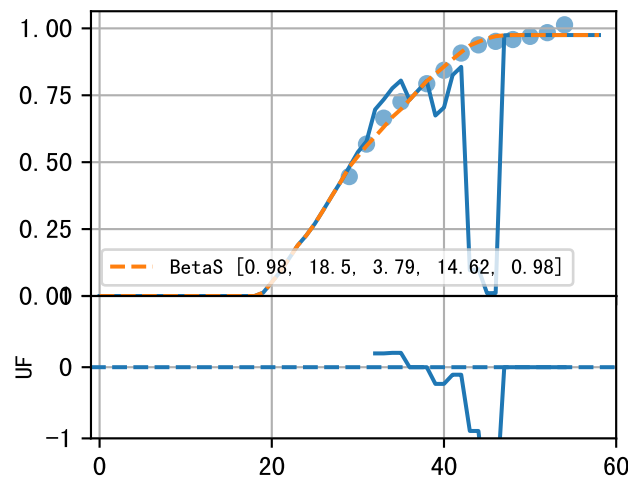
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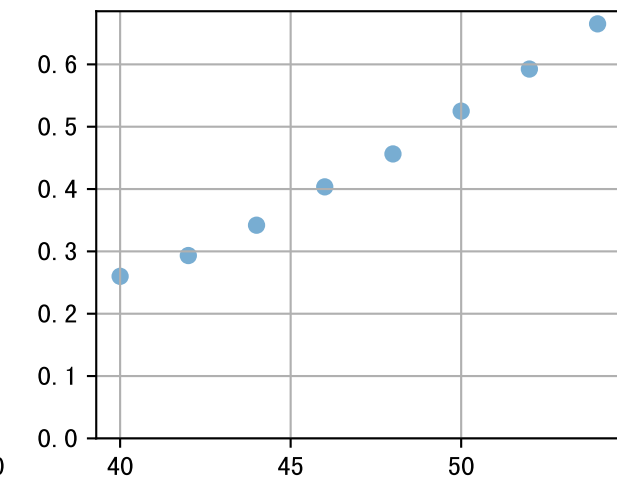
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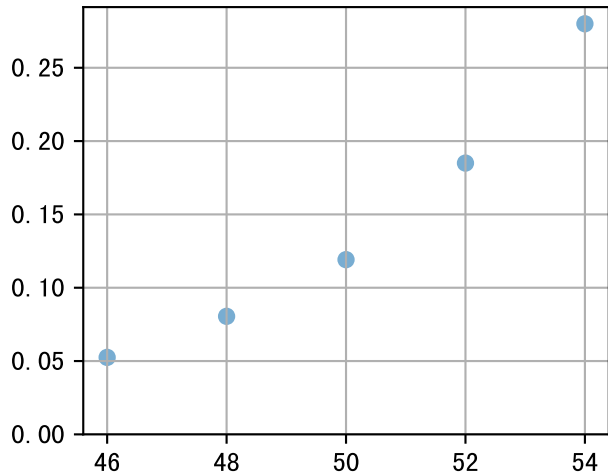
P9AE-111-7L10



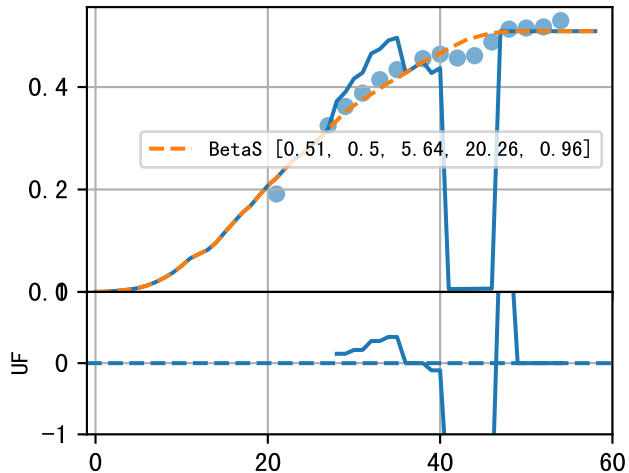
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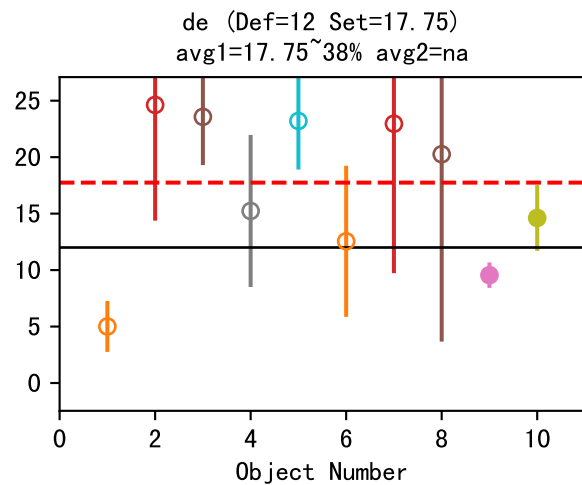
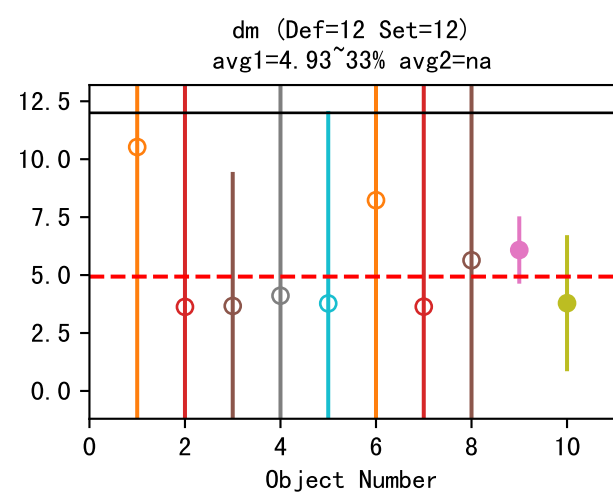
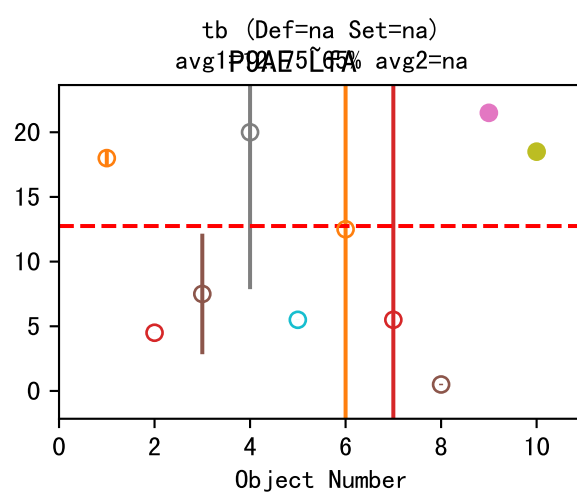
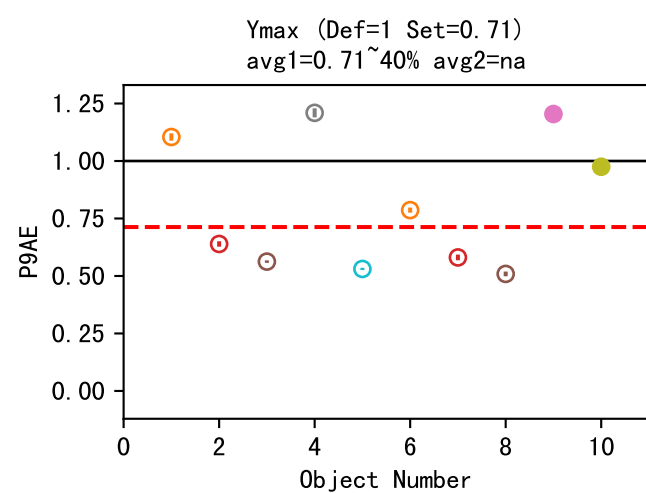


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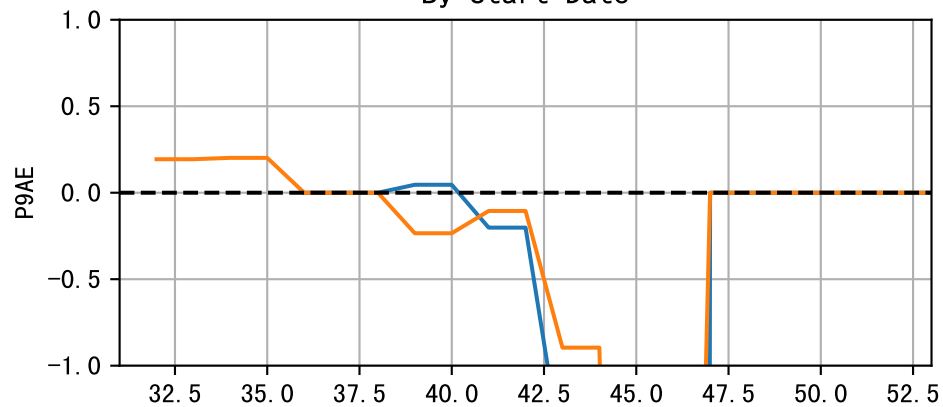


P9AE-111-7L17^{LfA} (fit failed)

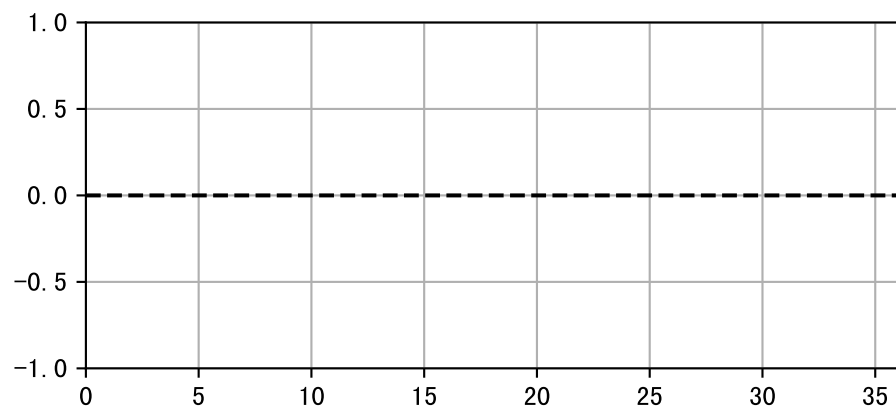
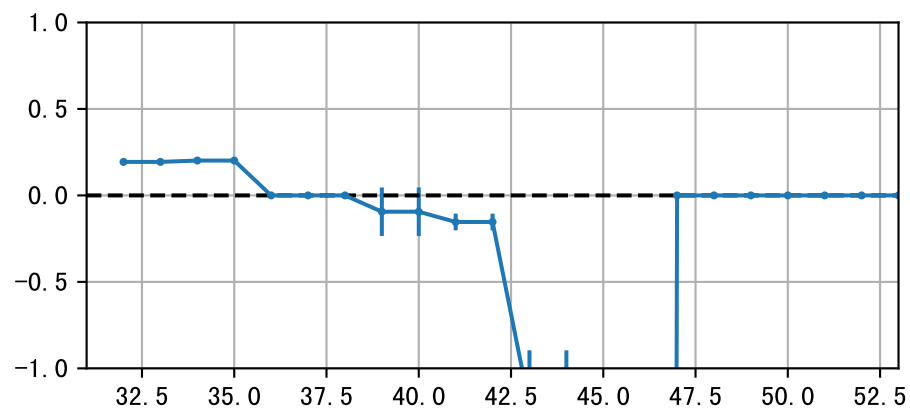
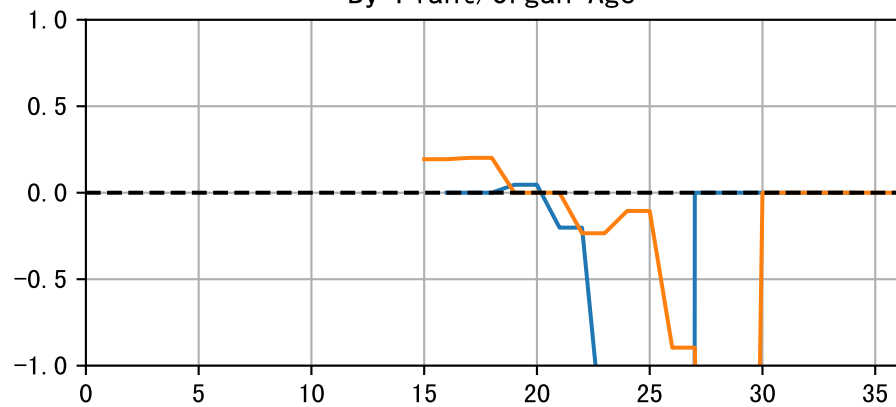


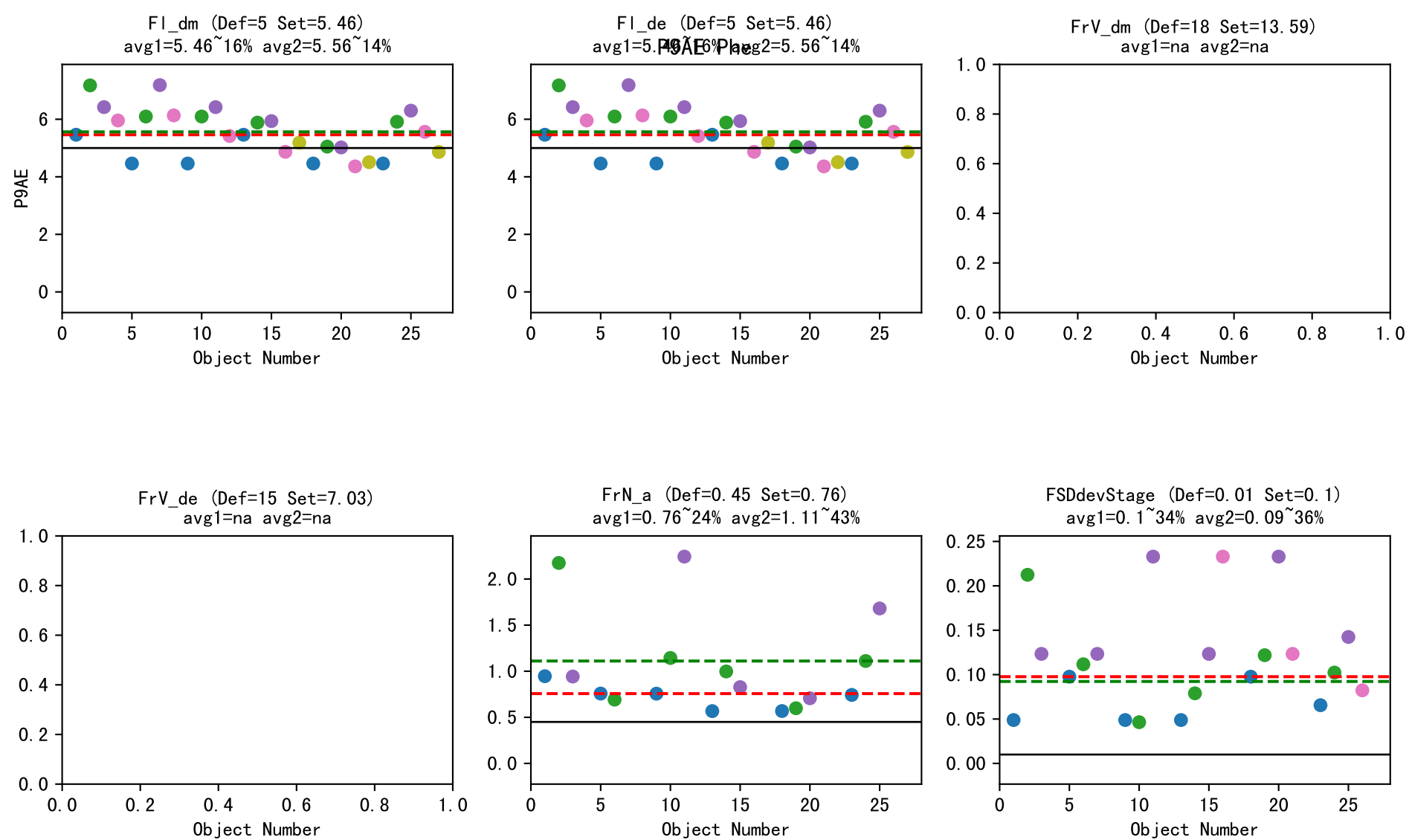


By Start Date

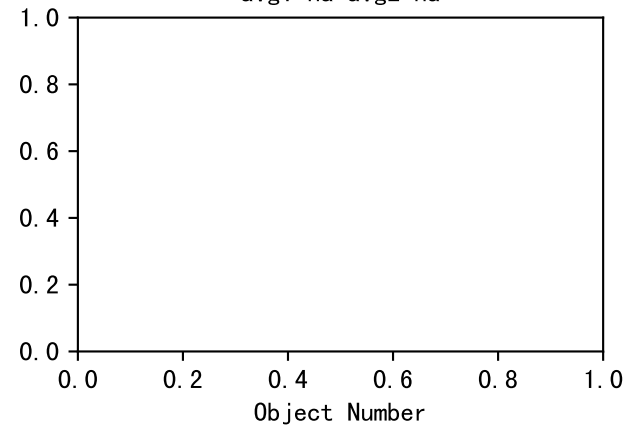


By Plant/Organ Age

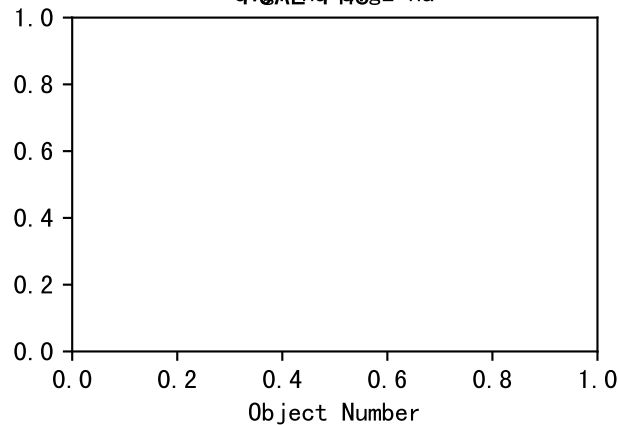




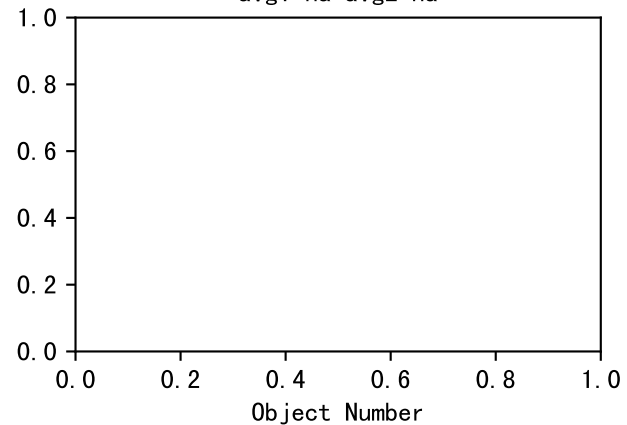
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



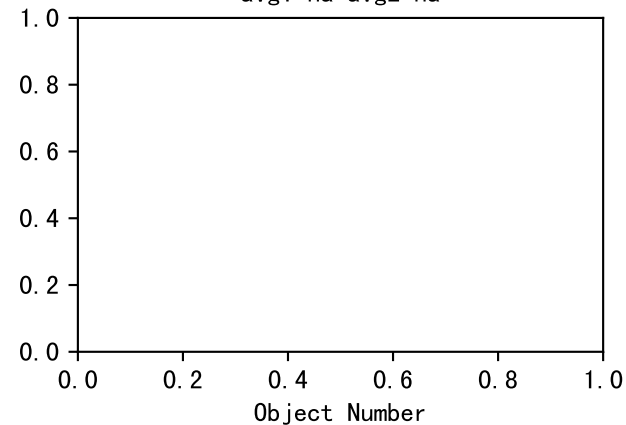
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



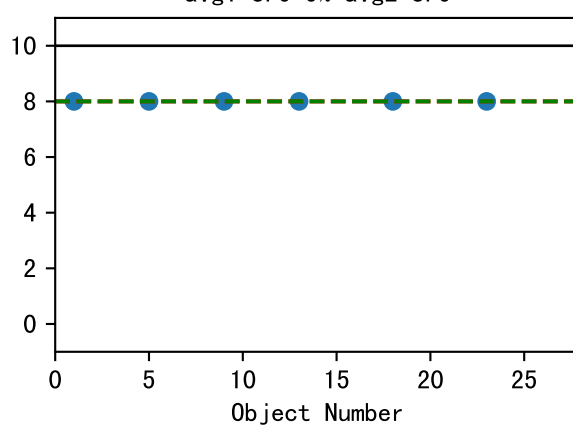
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



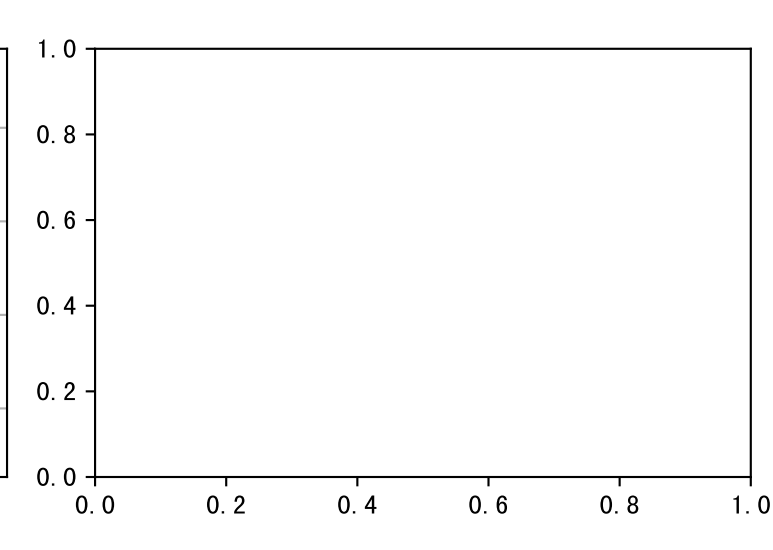
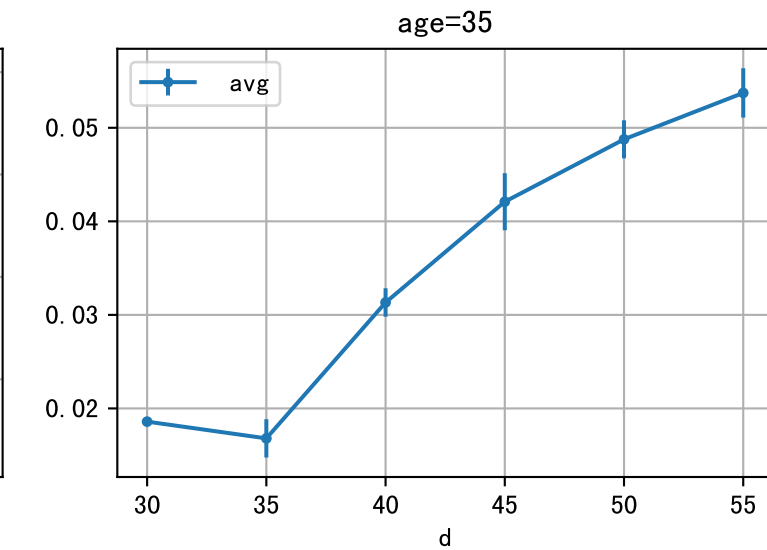
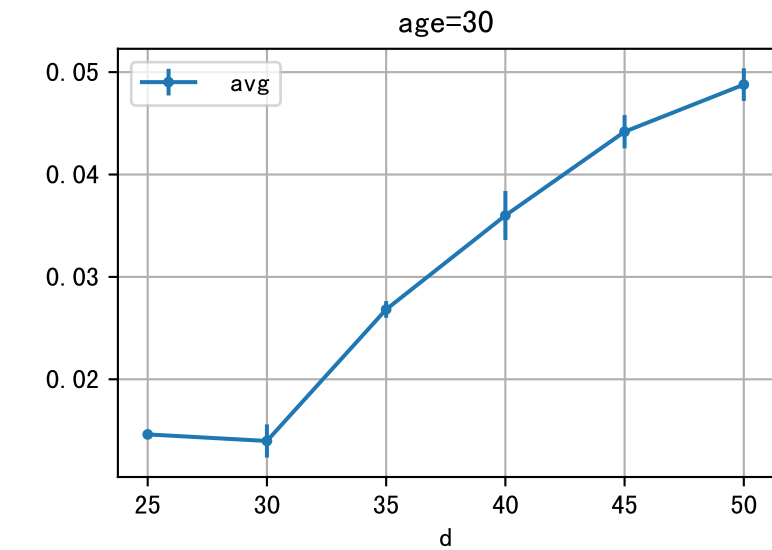
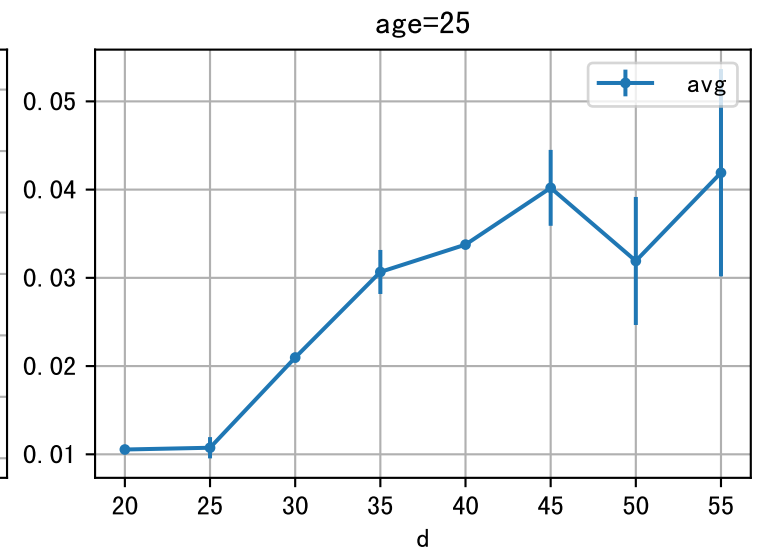
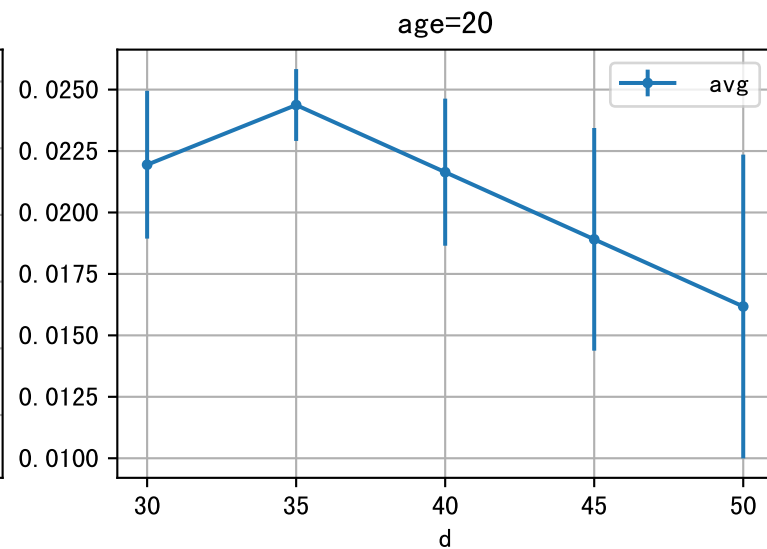
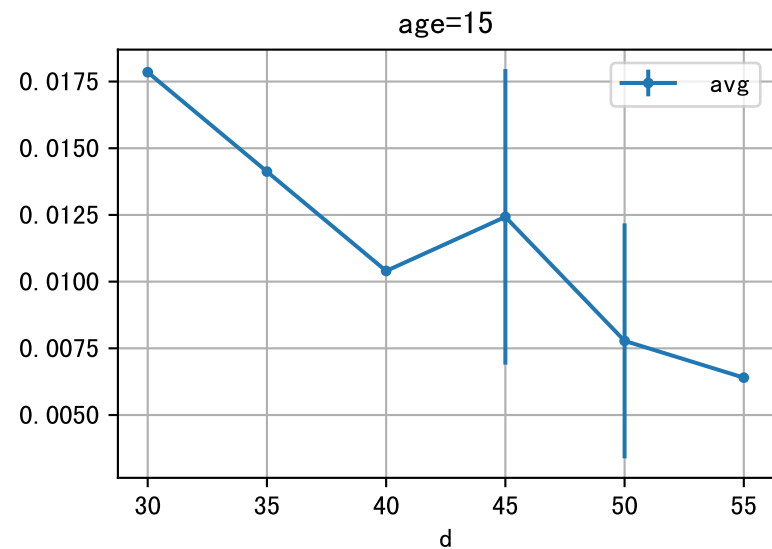
FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na



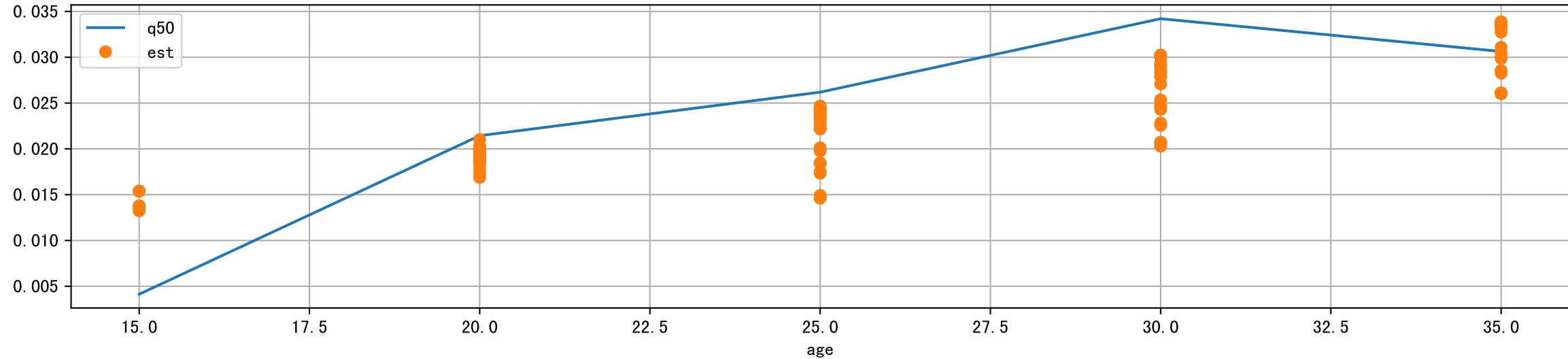
NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=8.0



LfA: avg vs. d at each age group

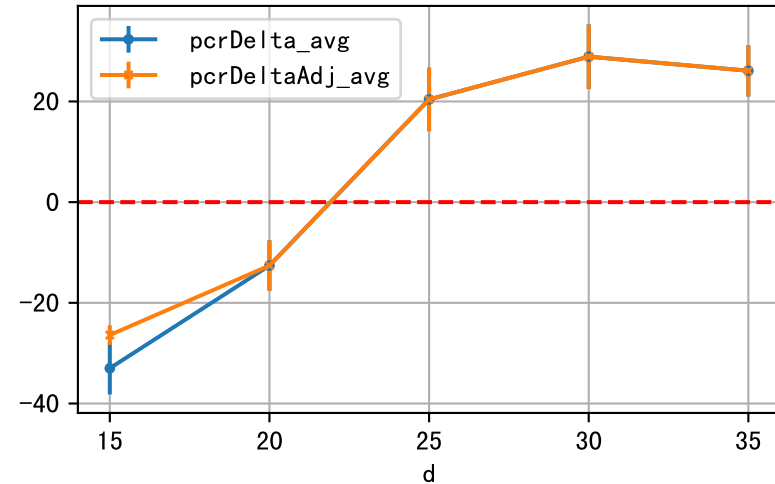


LfA: model est vs obs0v@Q50

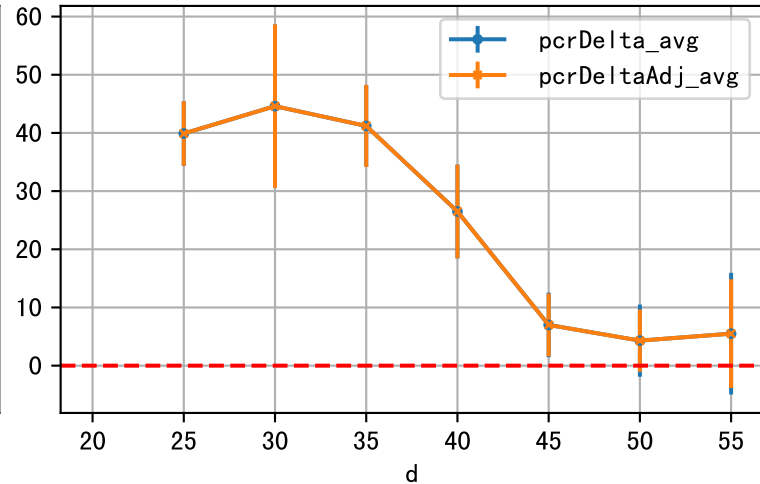


P9AE LfA: D_5d_LfA

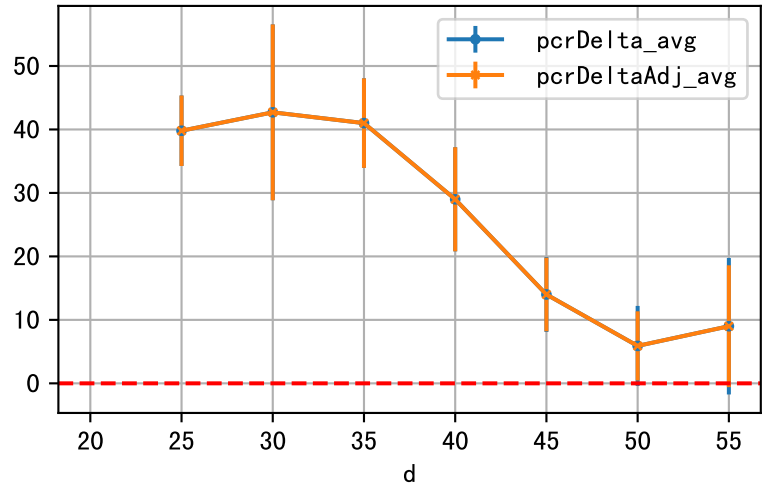
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

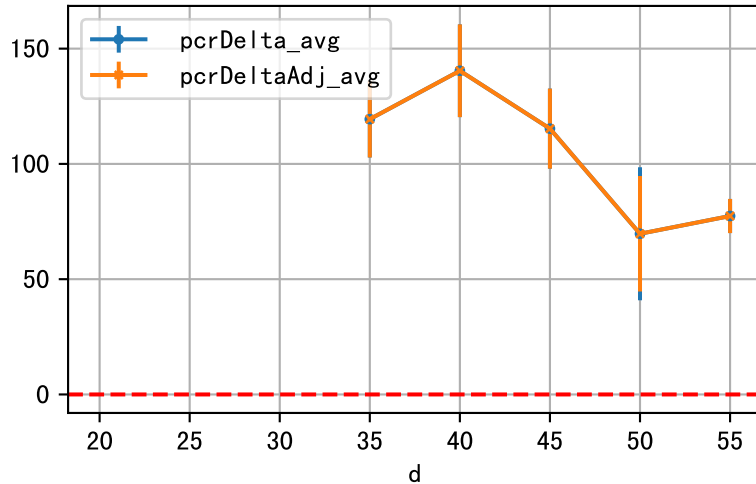
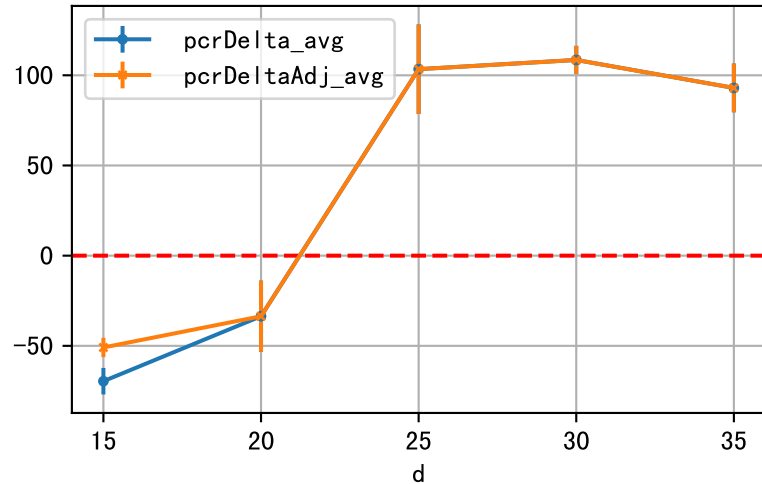


DeltaTypeAbbr=Wei AvgByD

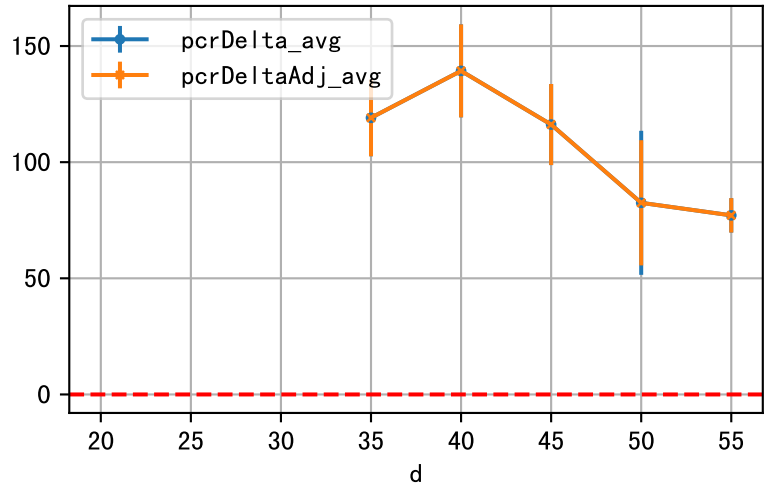


P9AE LfA: D_15d_LfA

DeltaTypeAbbr=GrpByDay

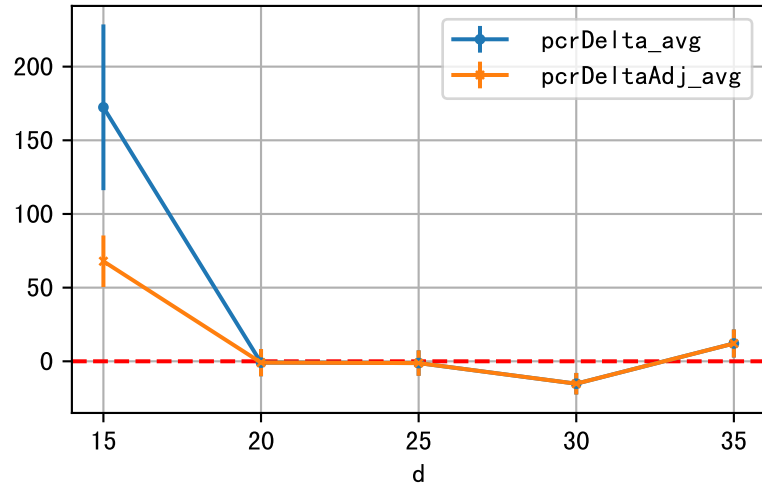


DeltaTypeAbbr=Wei AvgByD

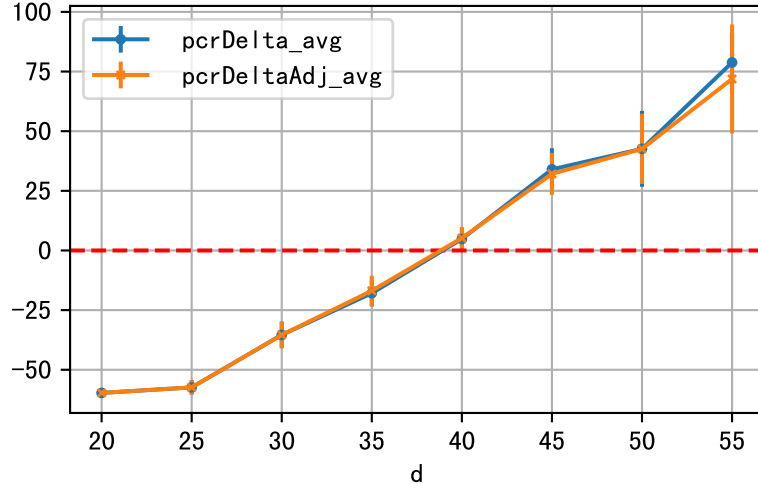


P9AE LfA: D_Q50_LfA

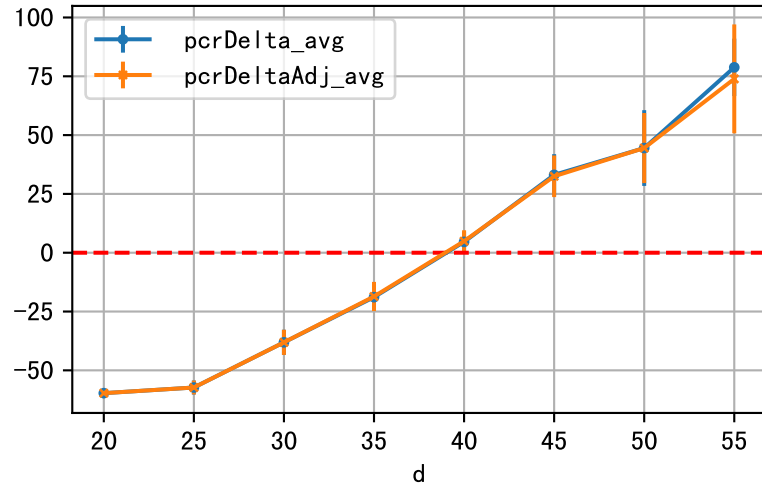
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

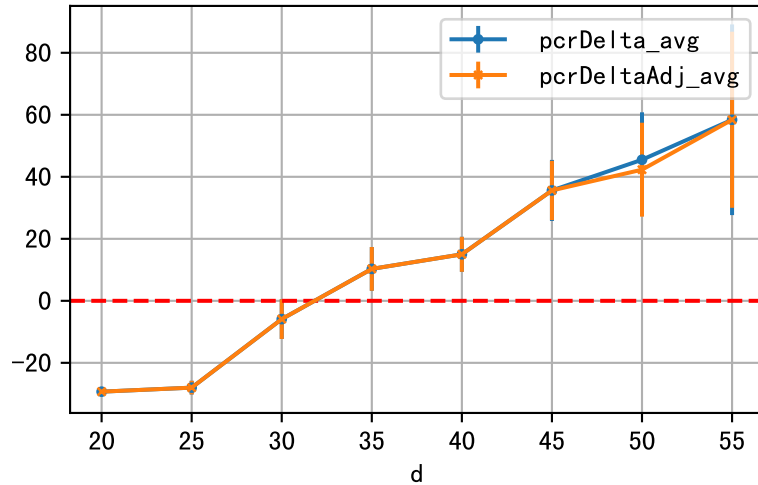


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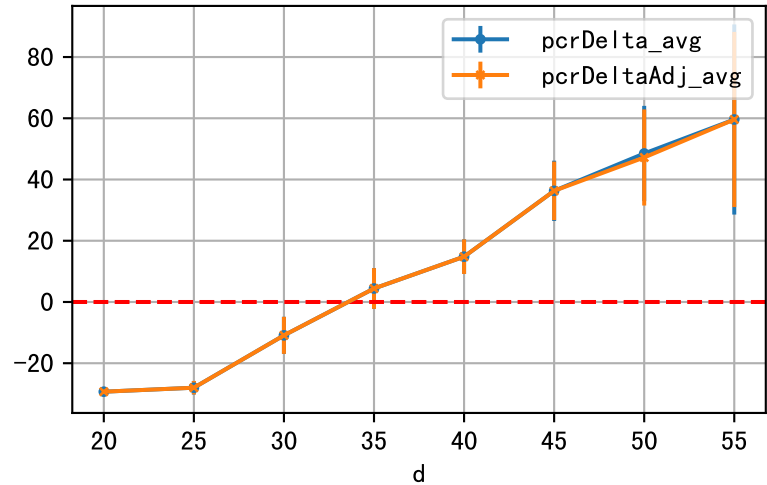


P9AE LfA: D_Est_LfA

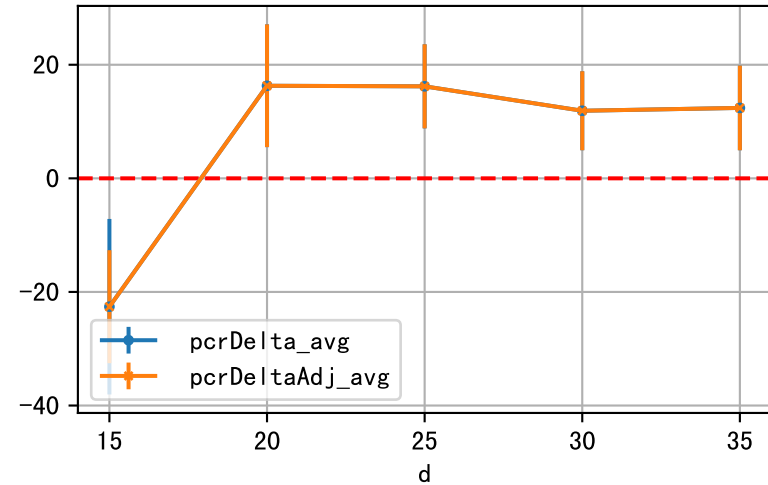
DeltaTypeAbbr=GrpByDay



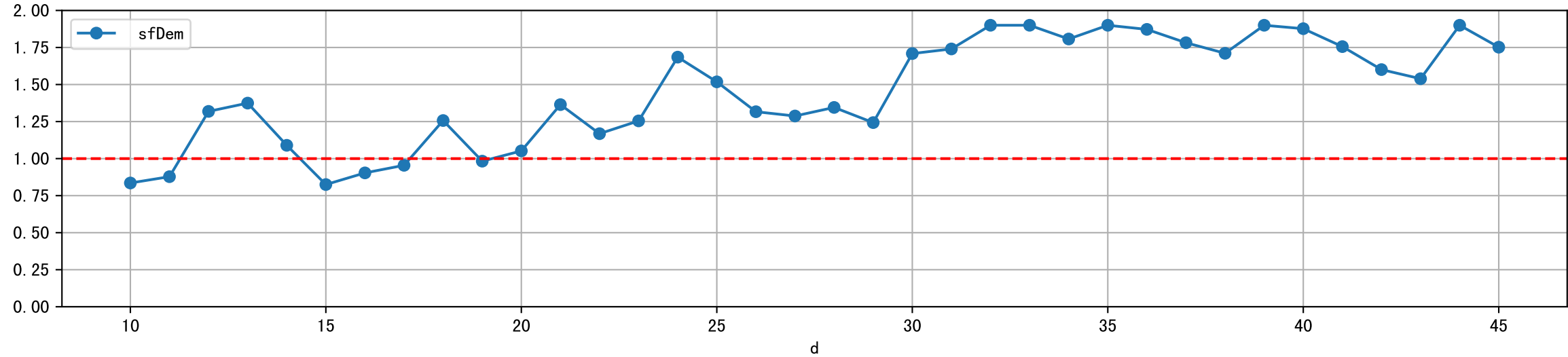
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge



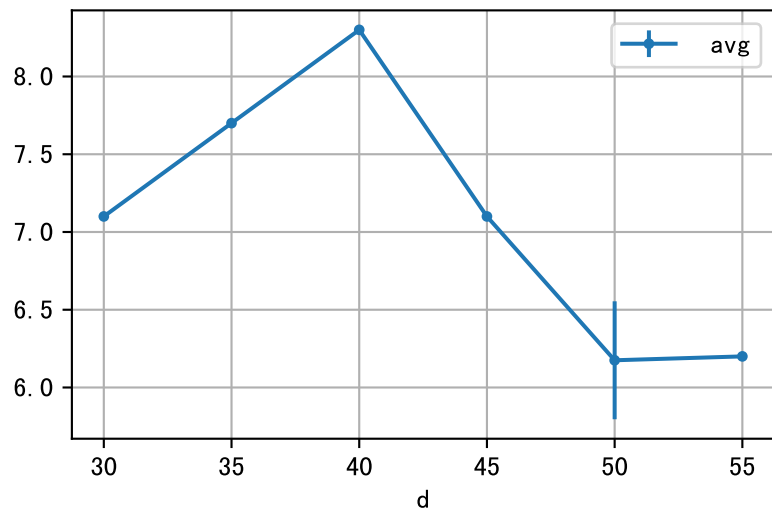
LfA: sfDem



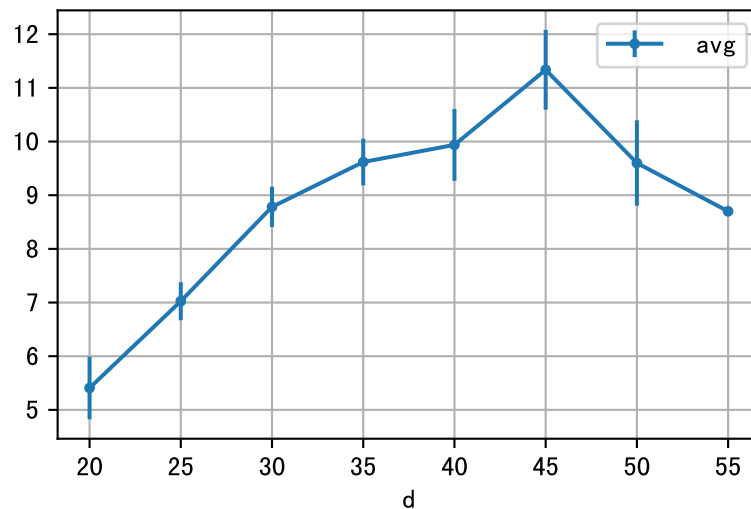


NdD: avg vs. d at each age group

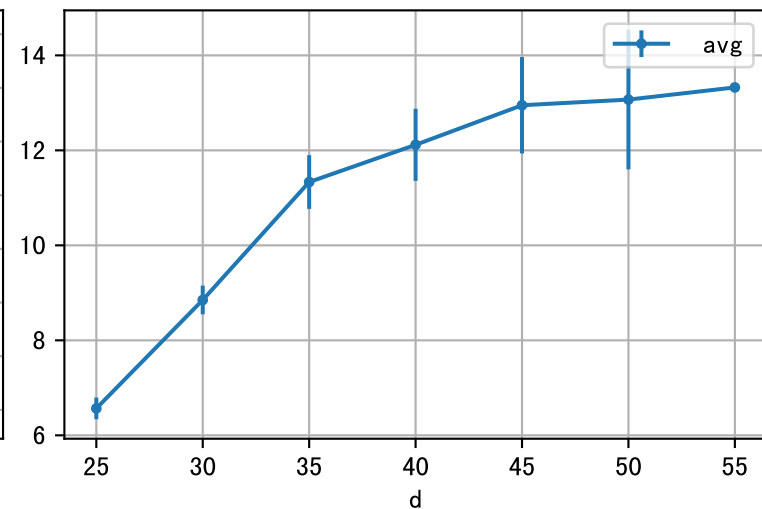
age=15



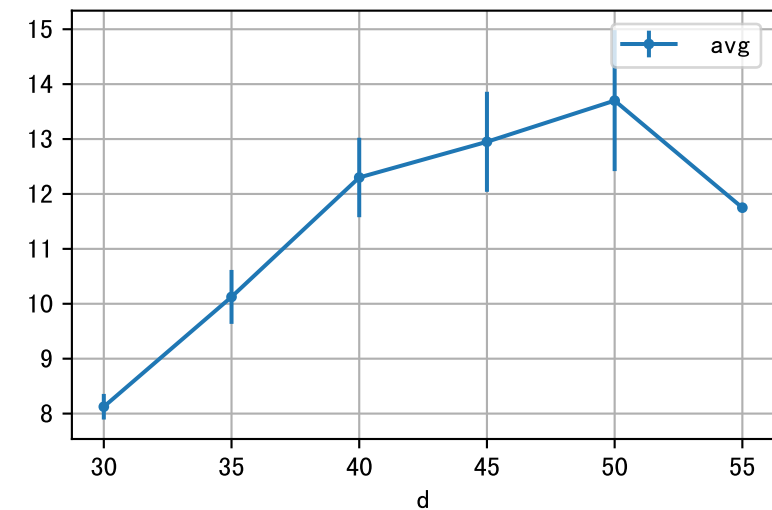
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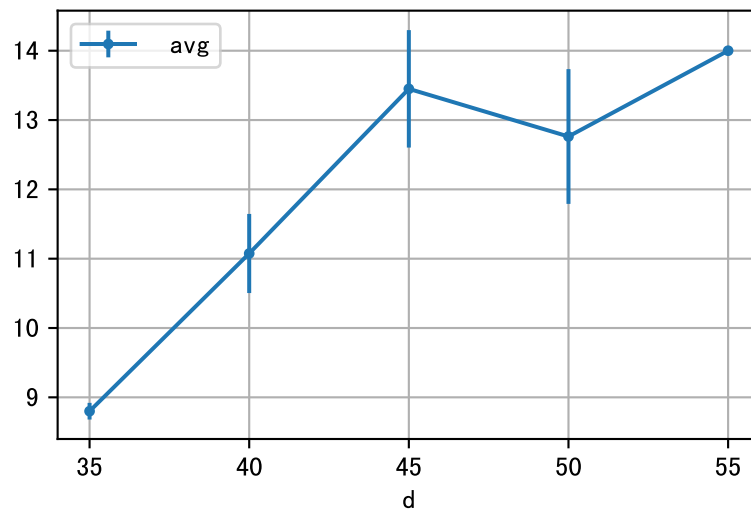
age=25



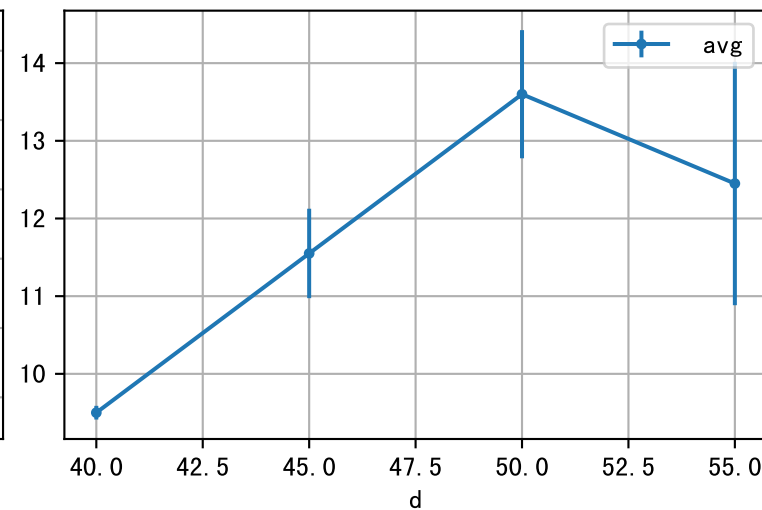
age=30



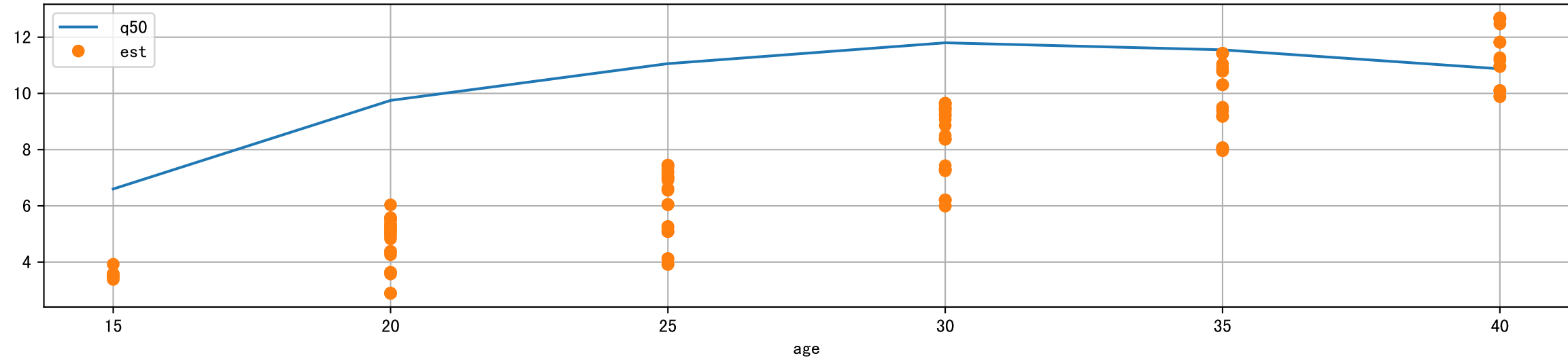
age=35



age=40

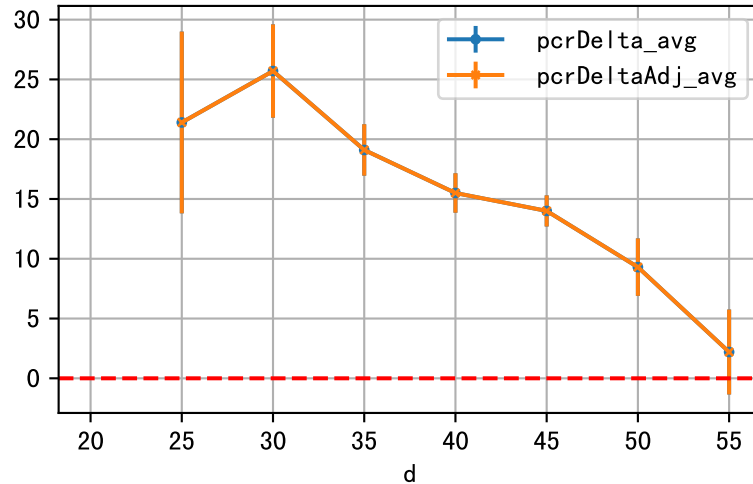


NdD: model est vs obs0v@Q50

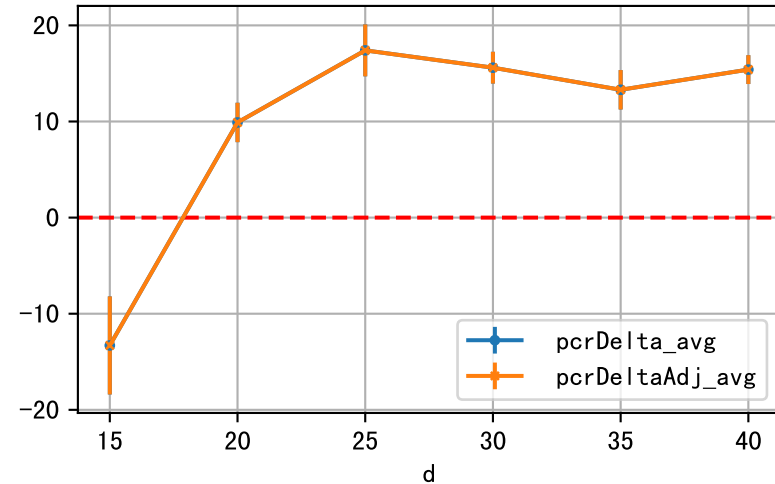


P9AE NdD: D_5d_NdD

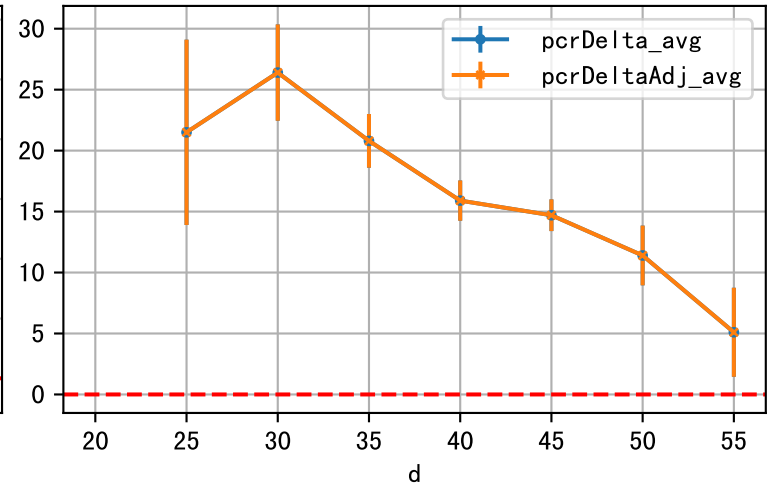
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

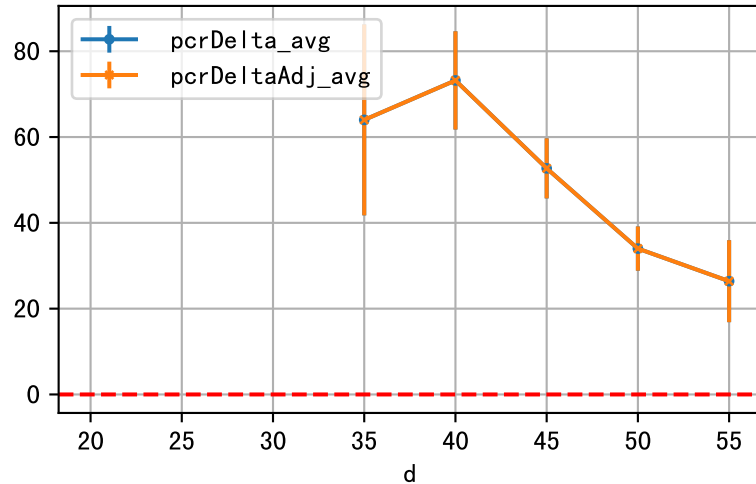


DeltaTypeAbbr=Wei AvgByD

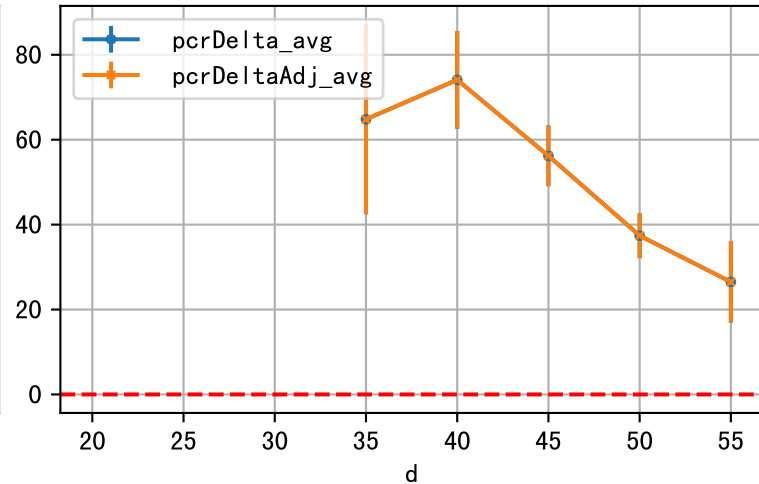


P9AE NdD: D_15d_NdD

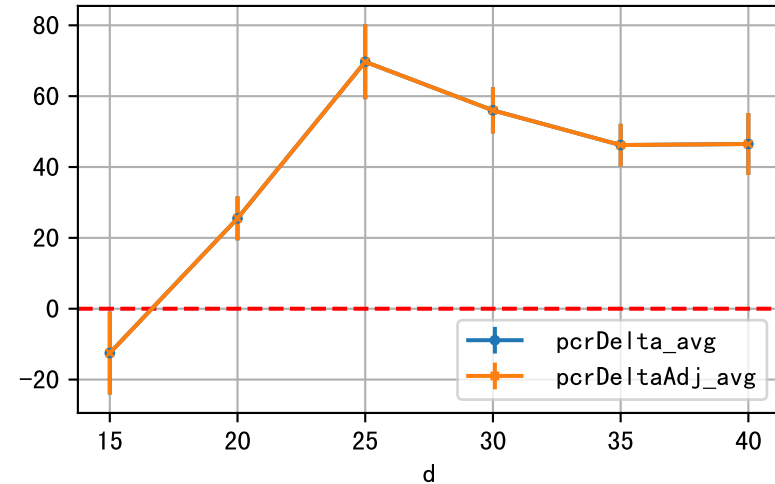
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DeltaTypeAbbr=Wei AvgByD

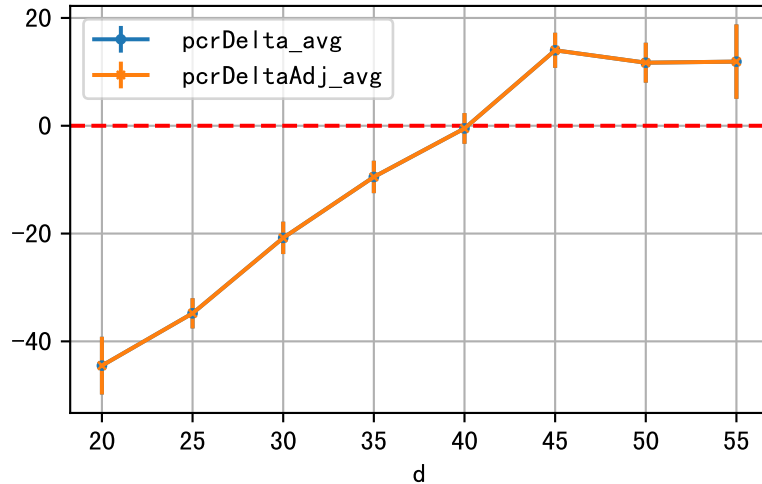


DeltaTypeAbbr=GrpByAge

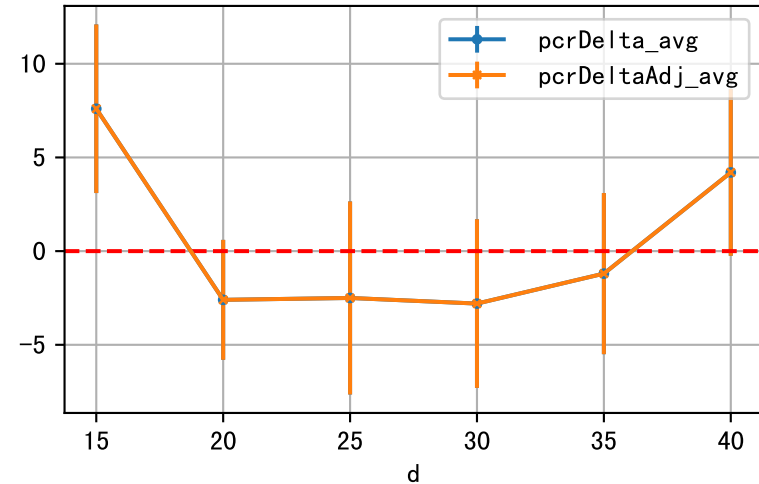


P9AE NdD: D_Q50_NdD

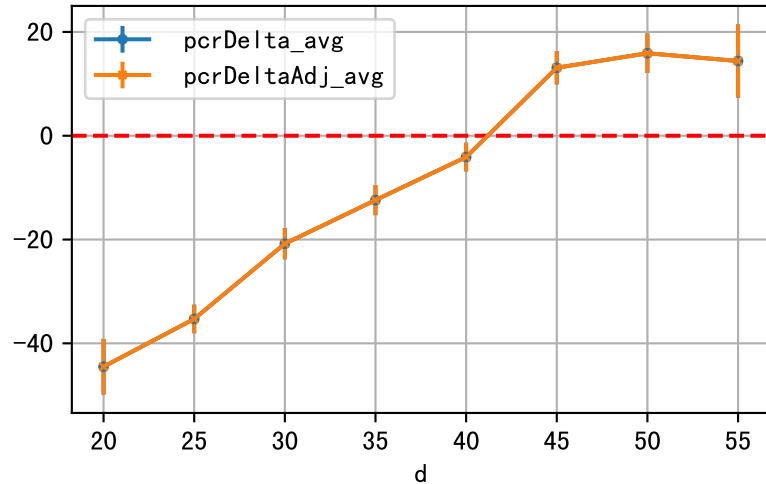
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

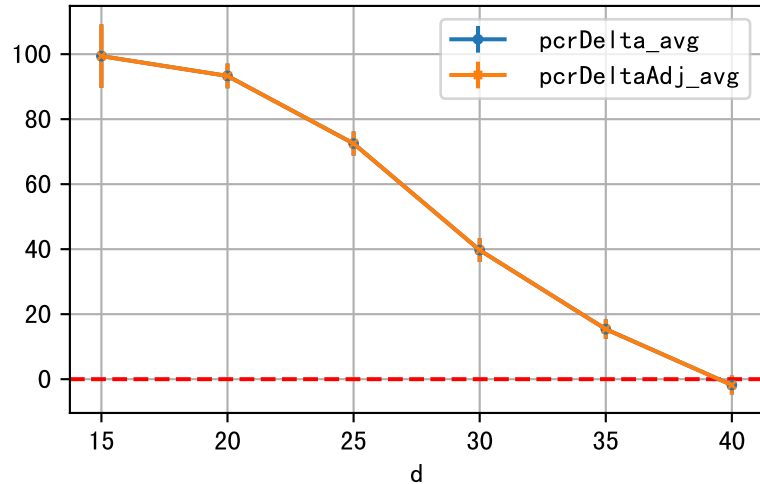


DeltaTypeAbbr=Wei AvgByD

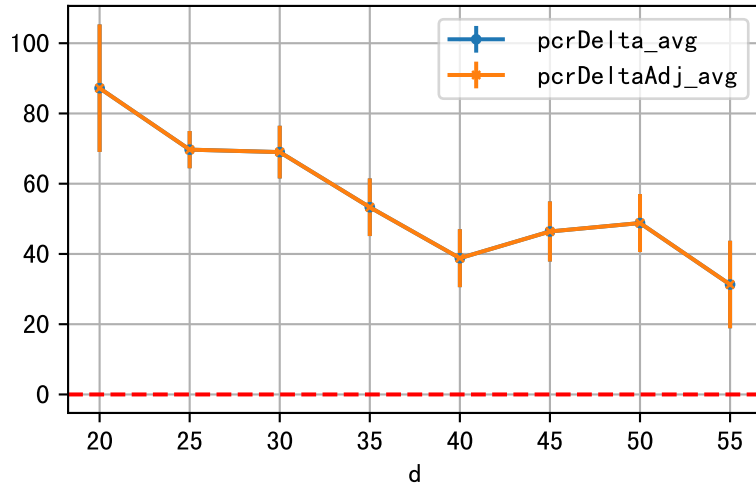


P9AE NdD: D_Est_NdD

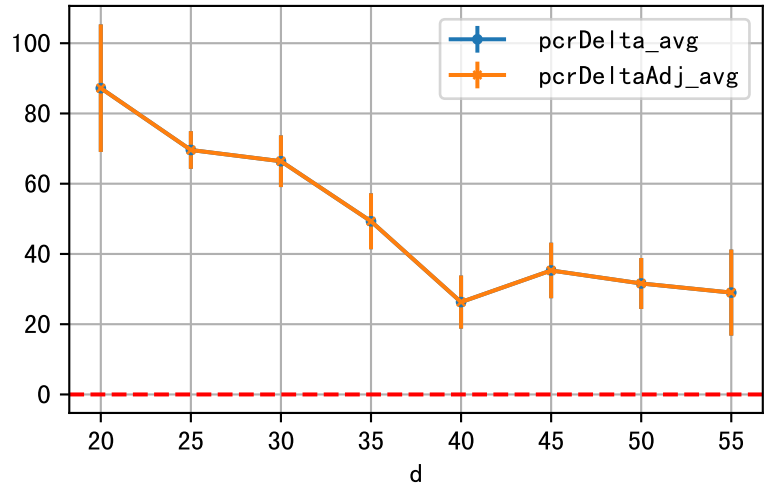
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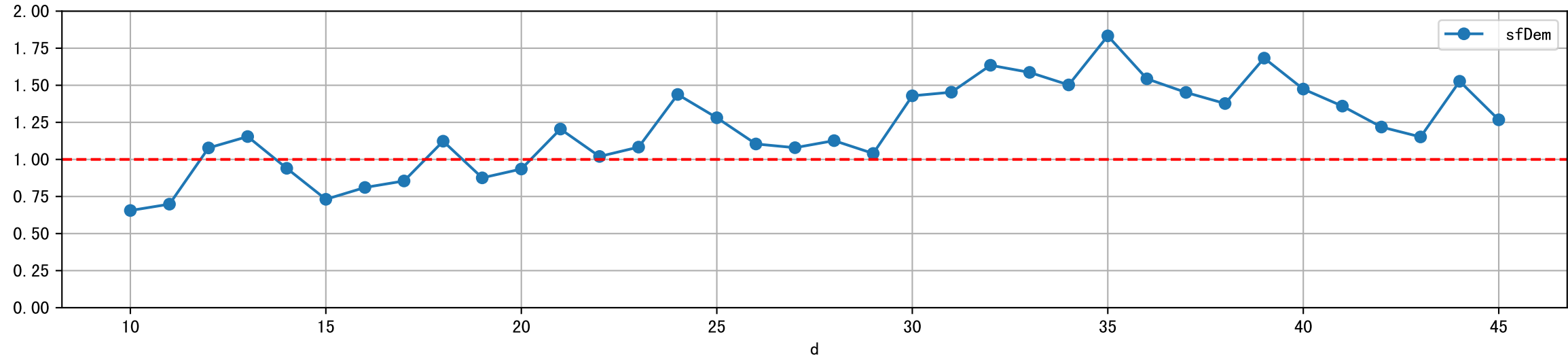
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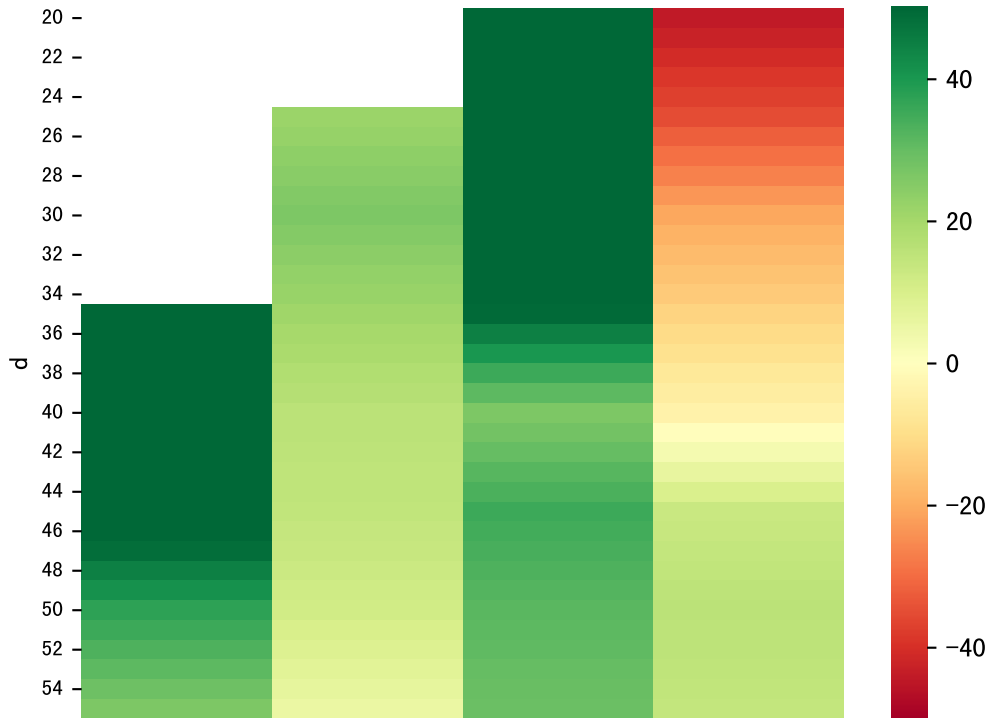


DeltaTypeAbbr=Wei AvgByD

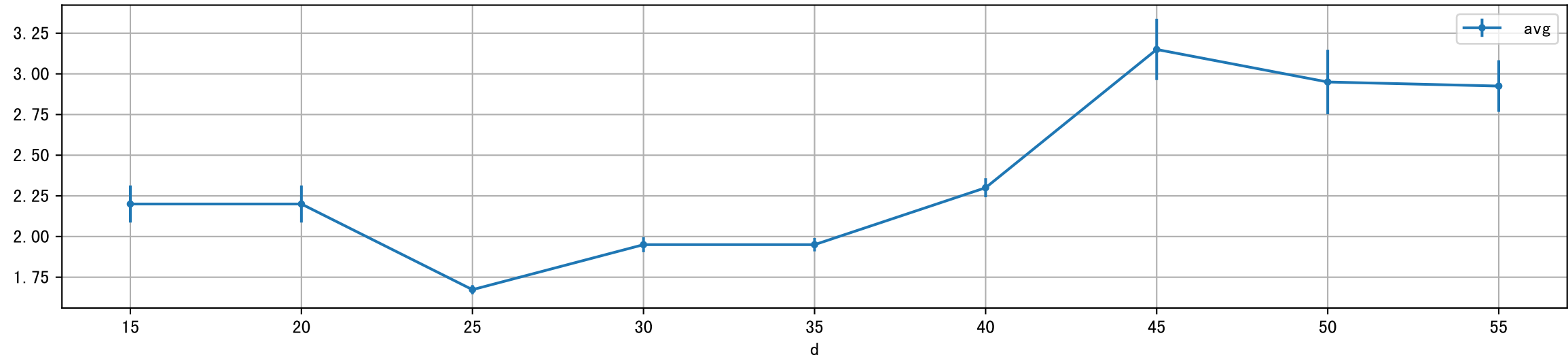


NdD: sfDem

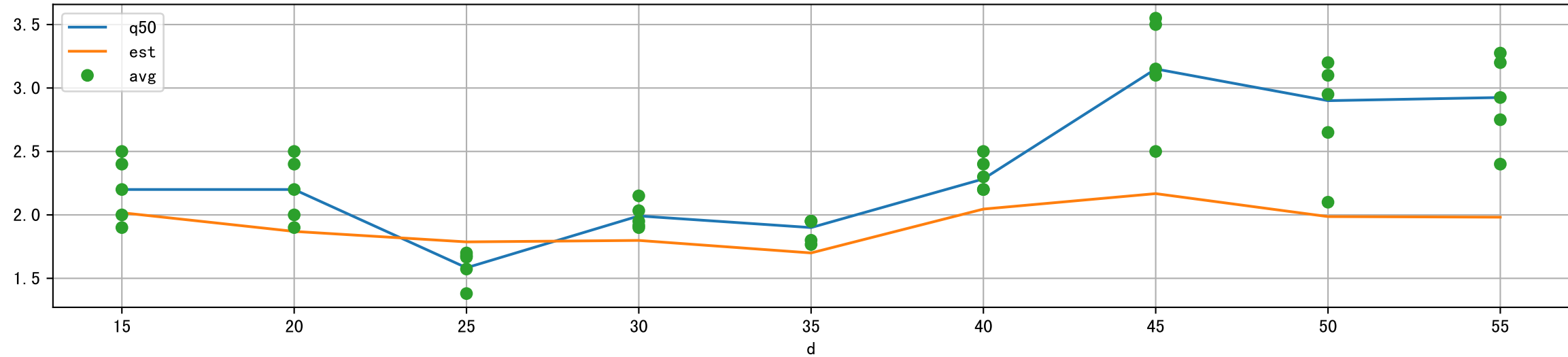




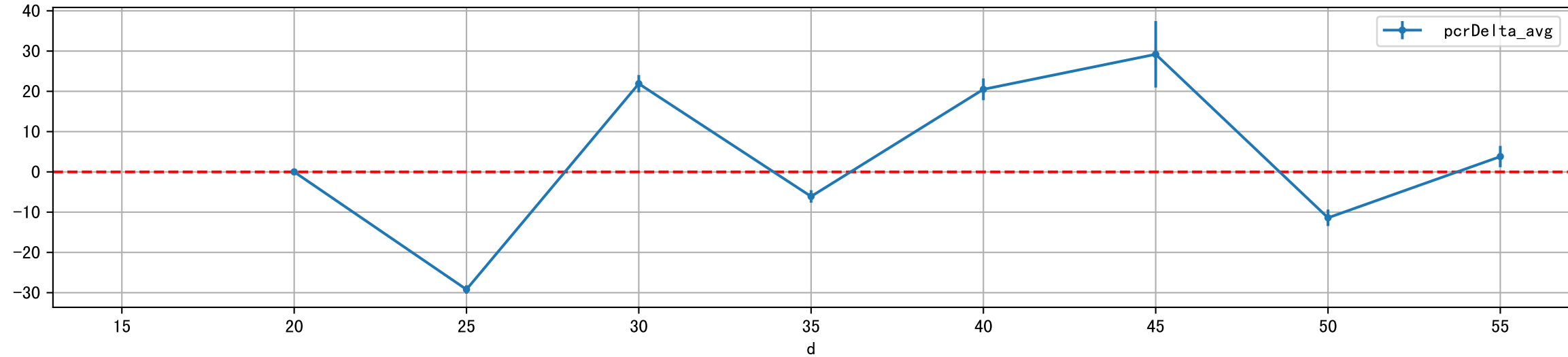
dStH: avg vs. d



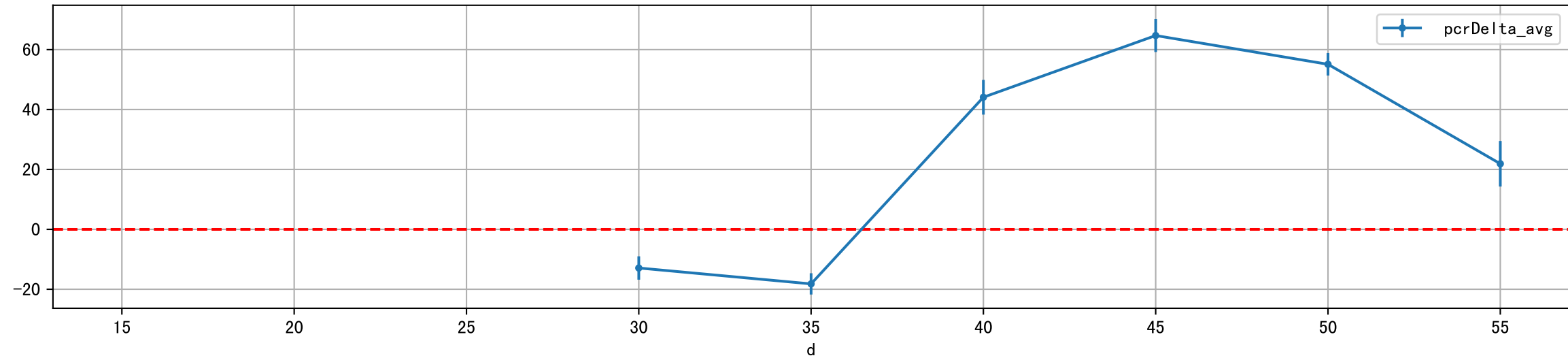
dStH: obsAvg vs obs0v@Q50



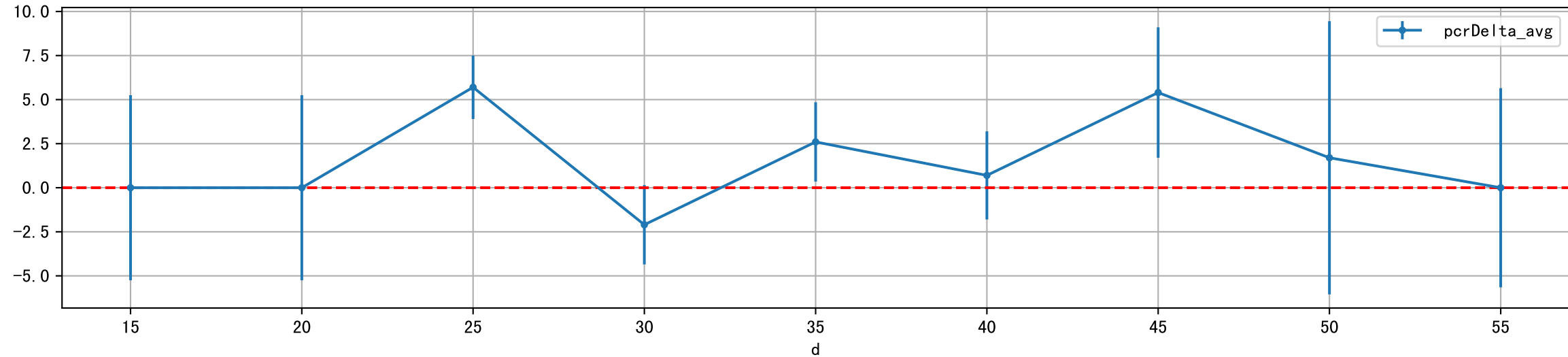
dStH: D_5d_StH



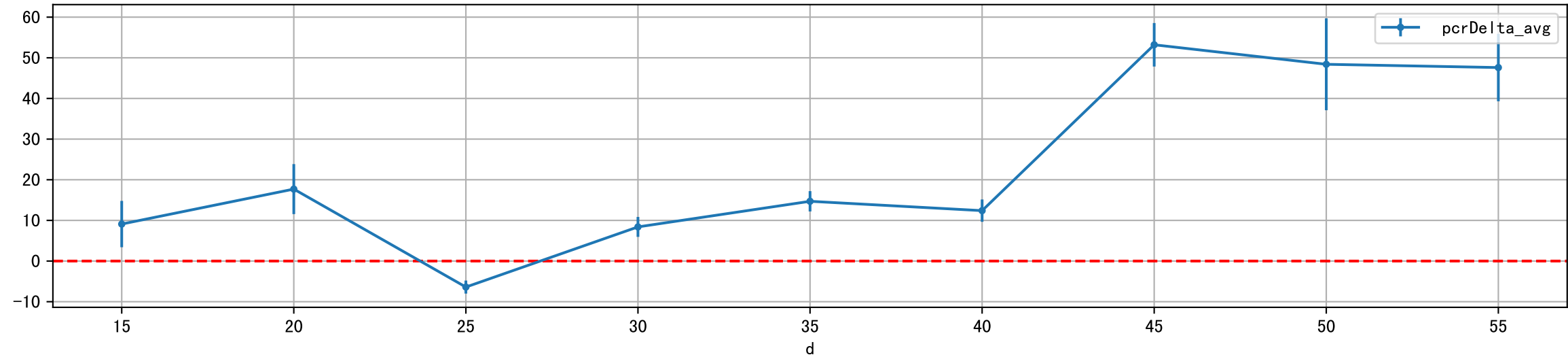
dStH: D_15d_StH



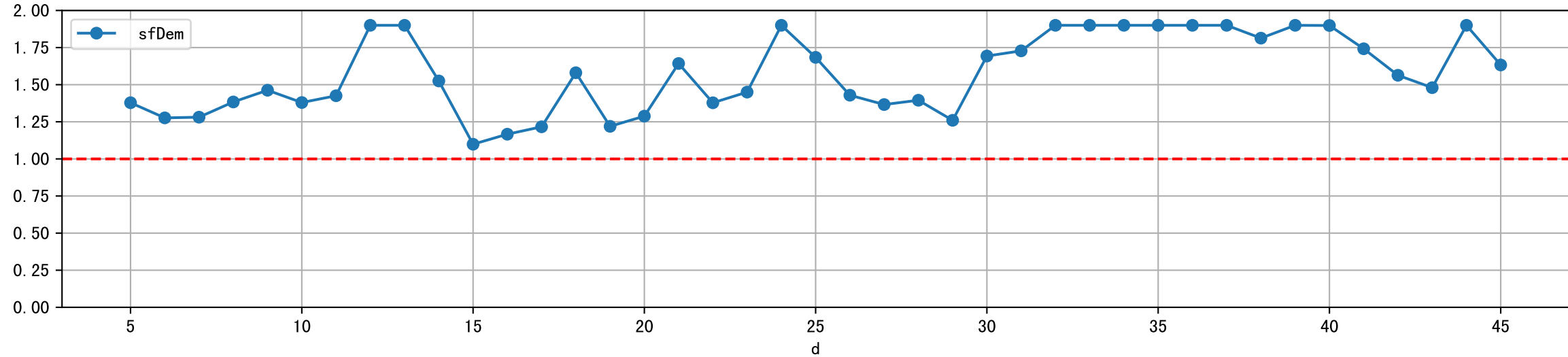
dStH: D_Q50_StH



dStH: D_Est_StH



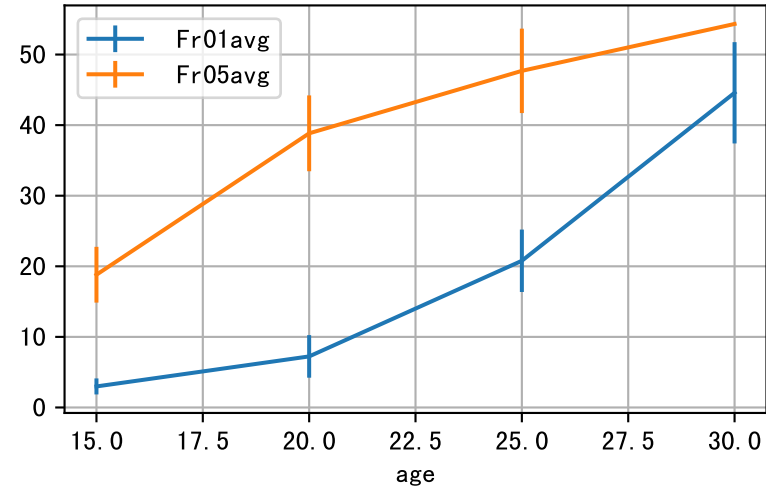
dStH: sfDem



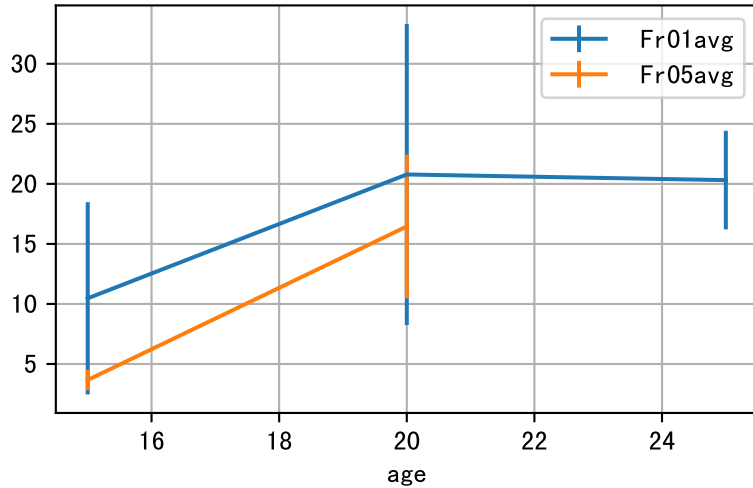


FrV: Fr01 vs Fr05 at each truss

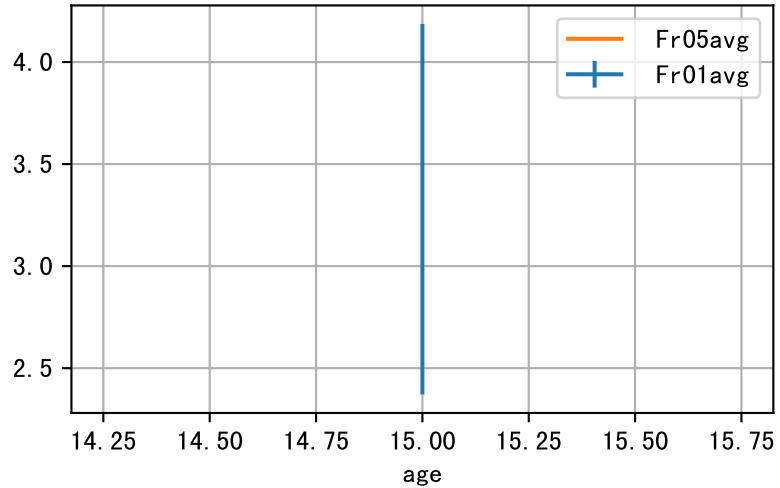
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organID=T02

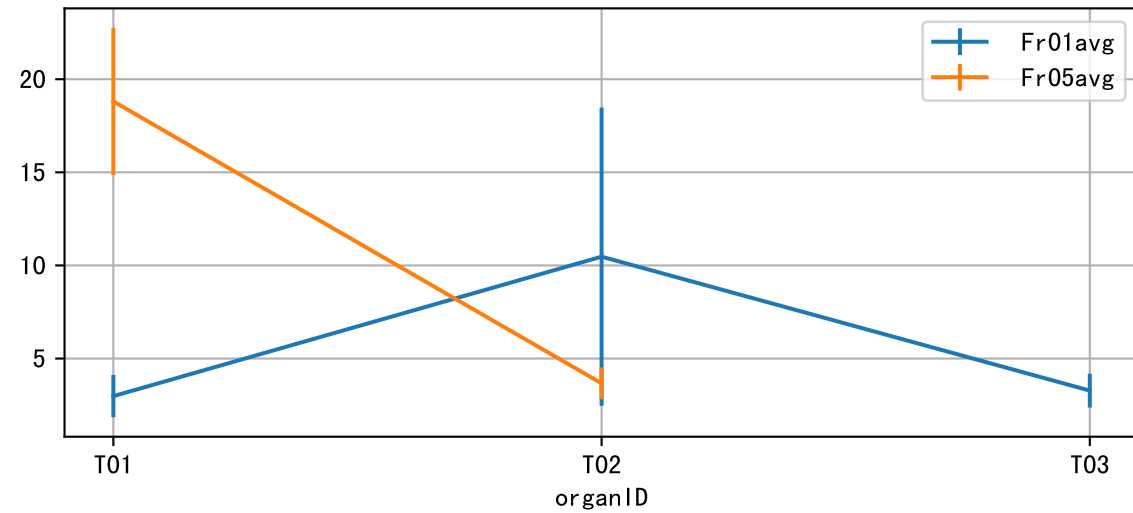


organID=T03

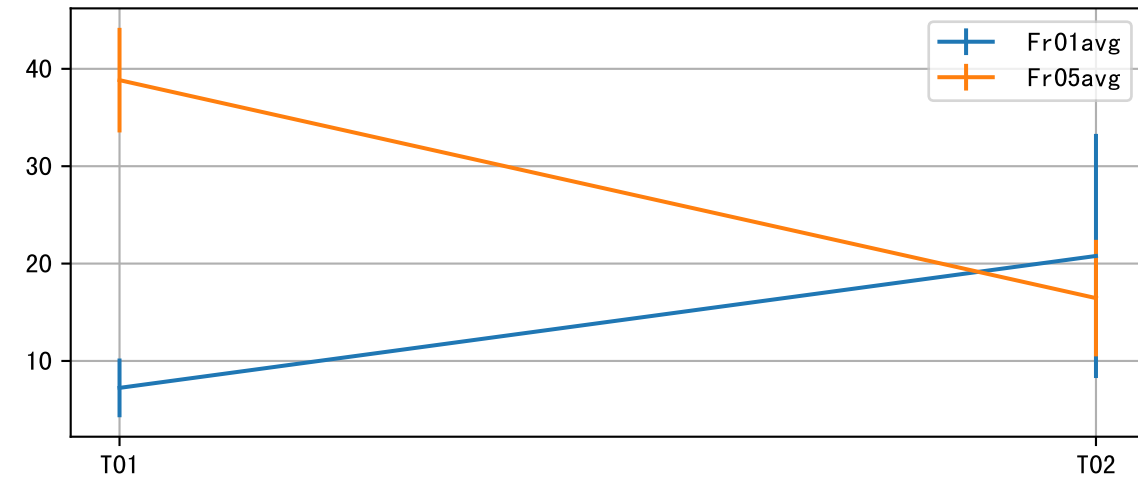


FrV trend at each age

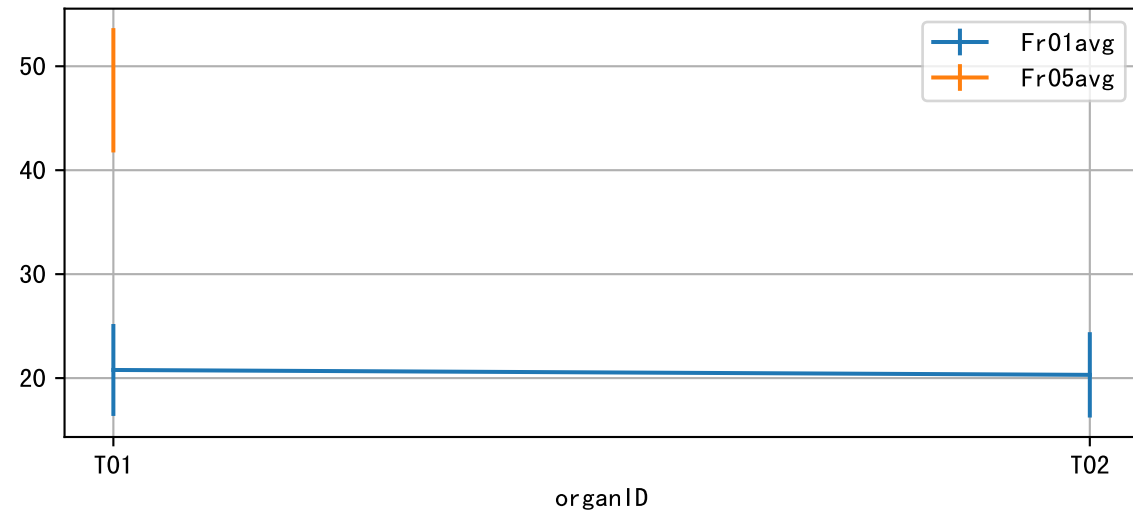
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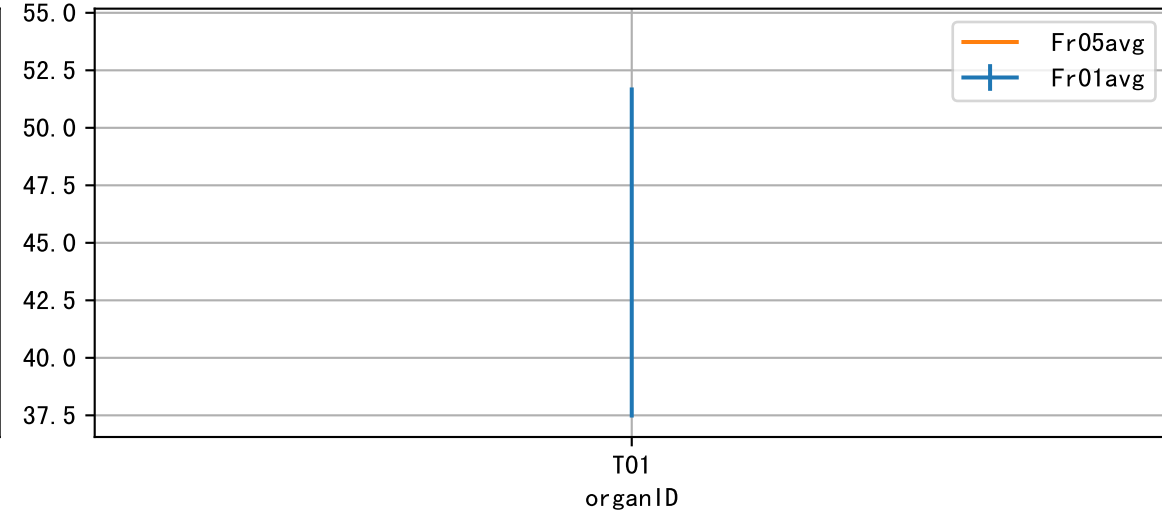
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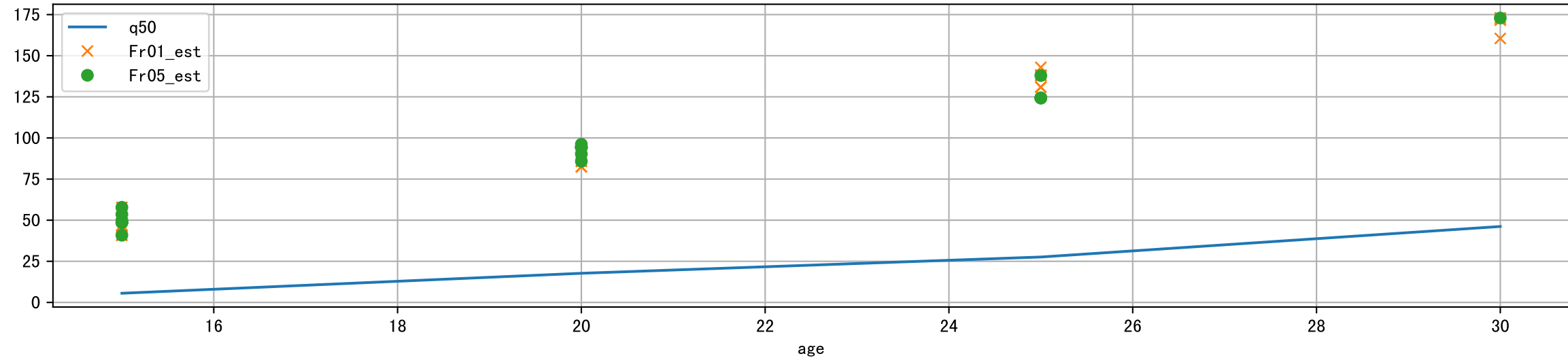
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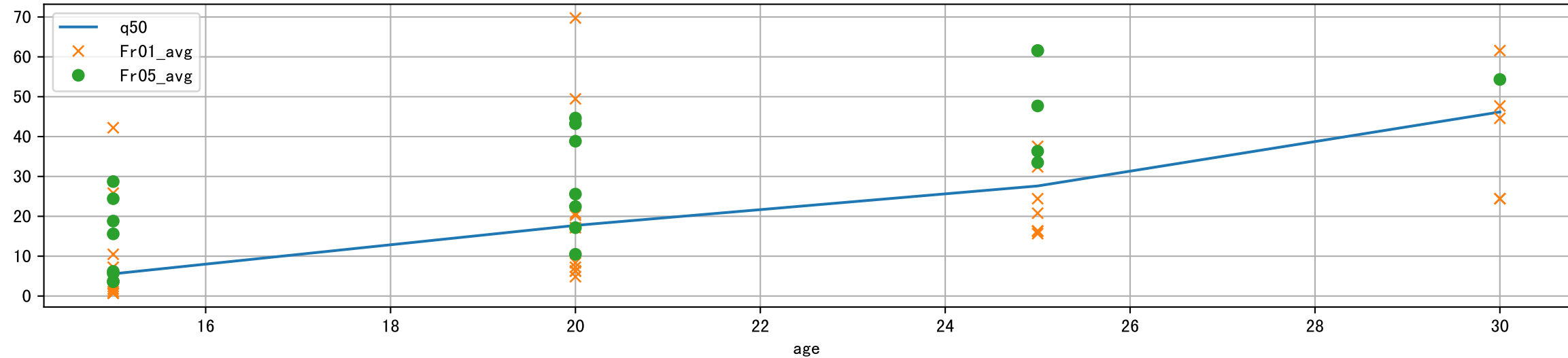
age=30



FrV: model Est vs obsFrV at Q90

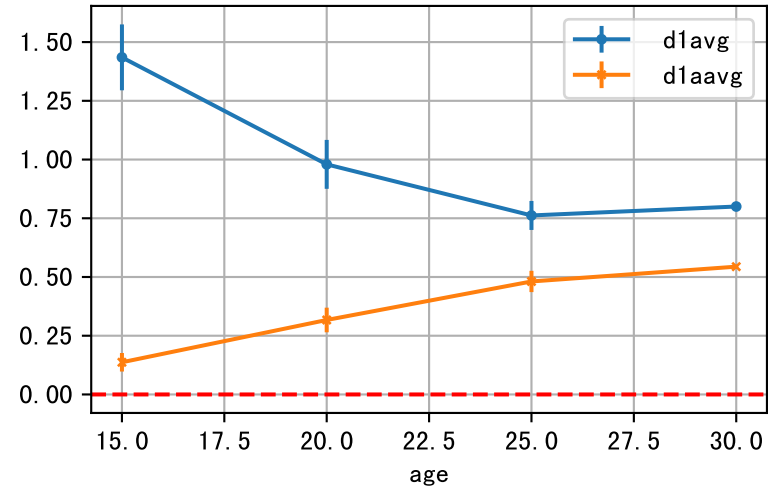


FrV: obsFrV vs obsFrV@Q90

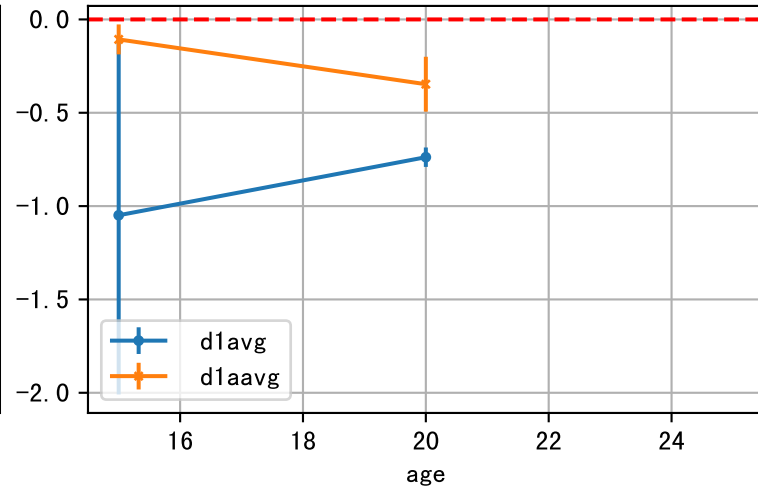


FrV: D_Fr1_FrV

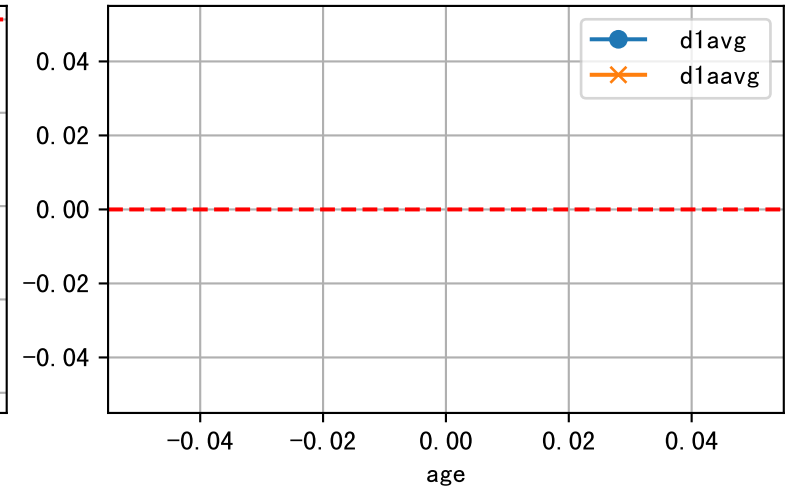
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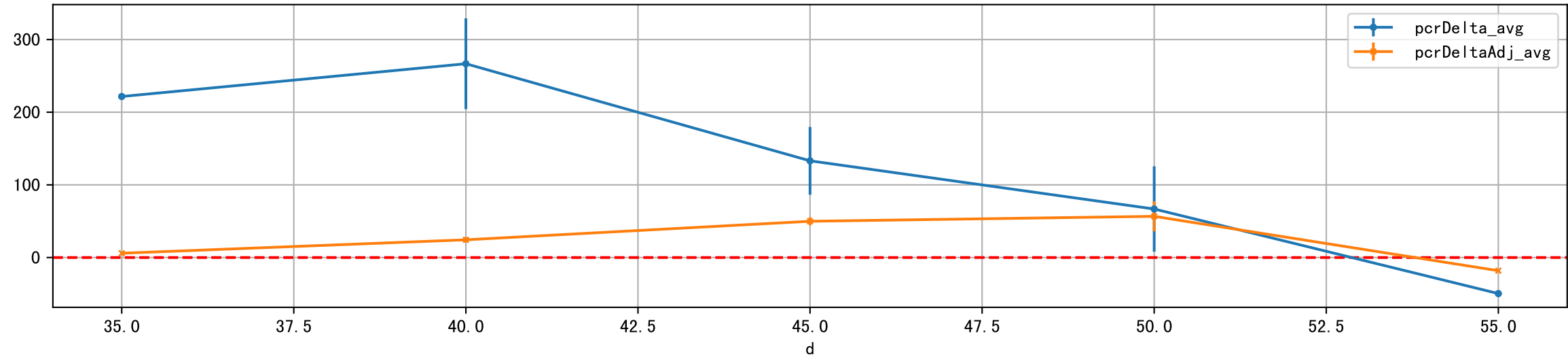
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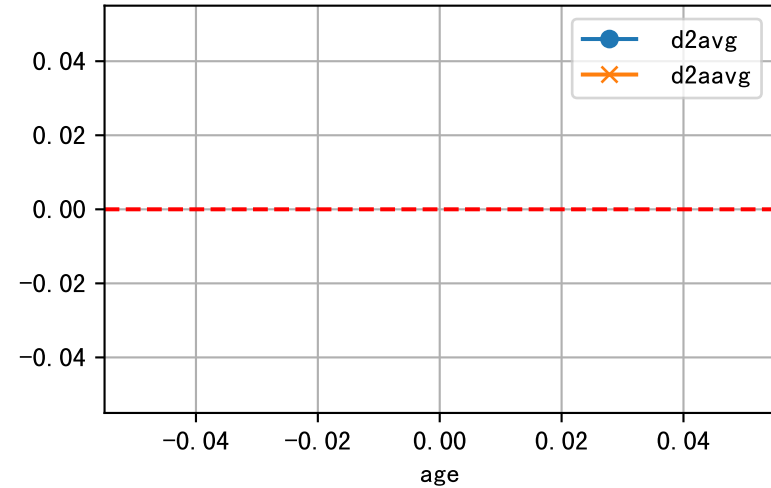
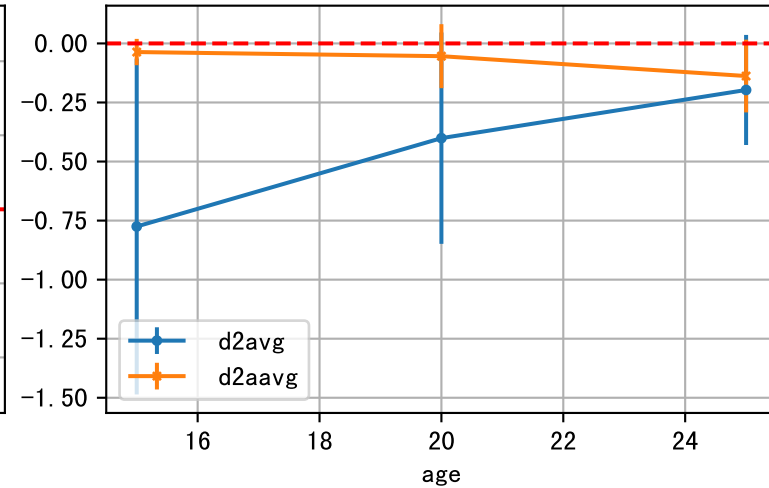
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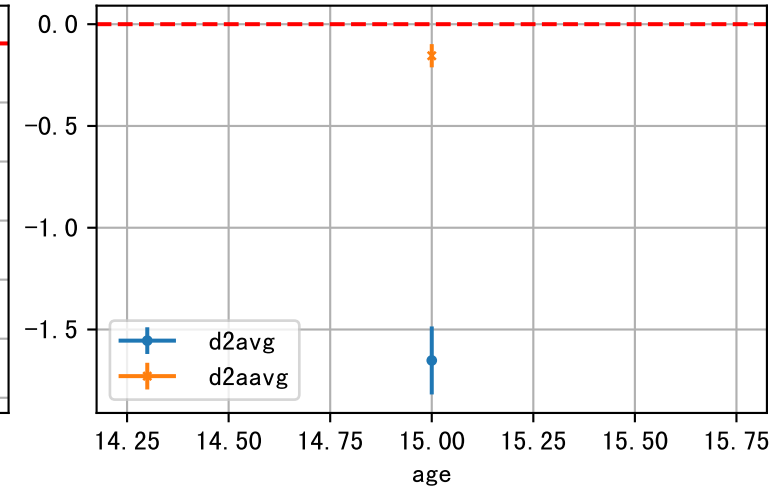
P9AE FrV: D_Fr1_FrV



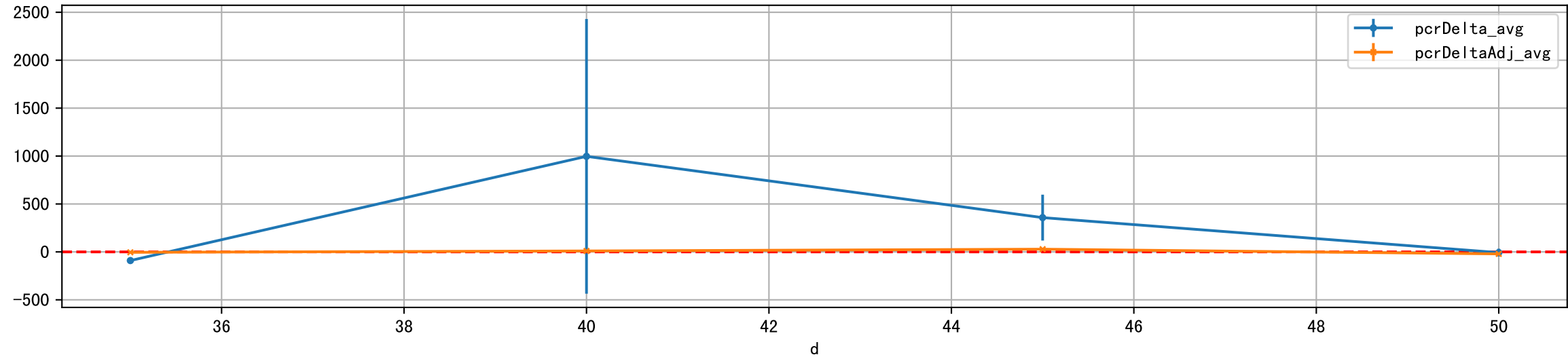
organID=1

FrV: D_Ts_FrV
organID=2

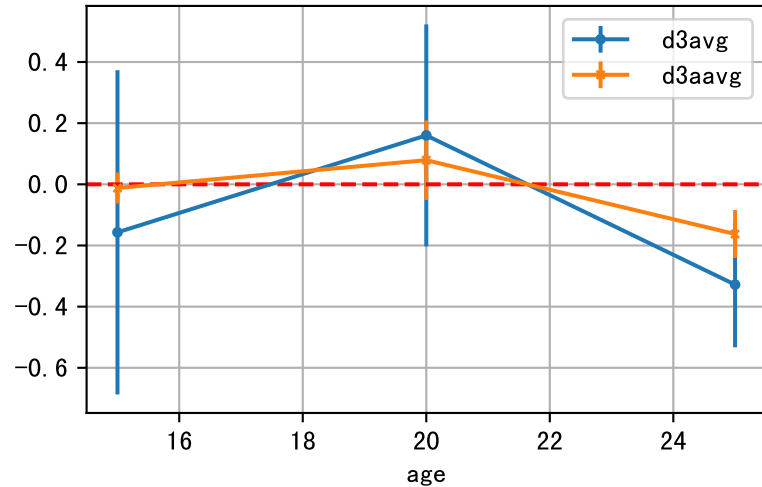
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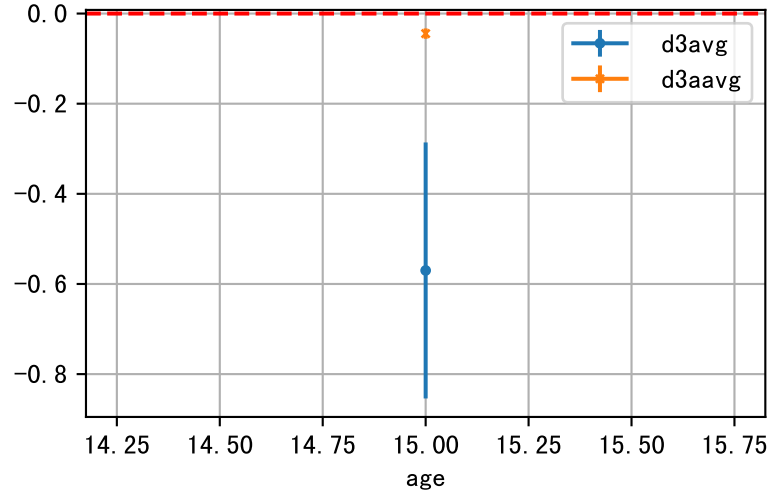
P9AE FrV: D_Ts_FrV



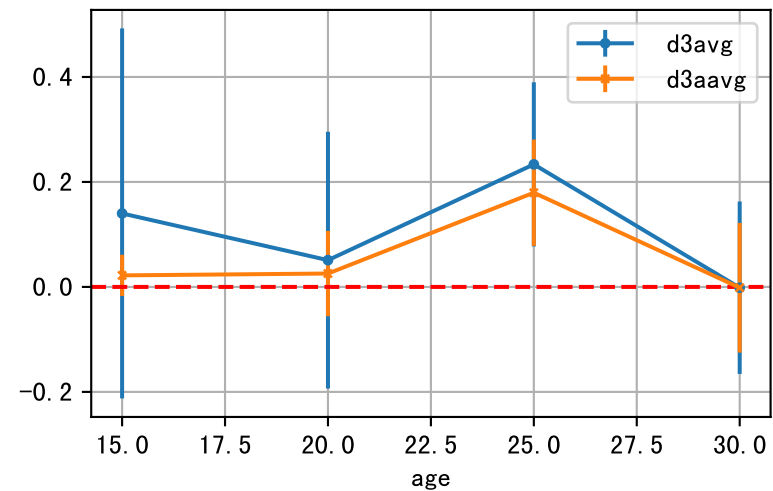
FrV: D_Q50_FrV
organID=2



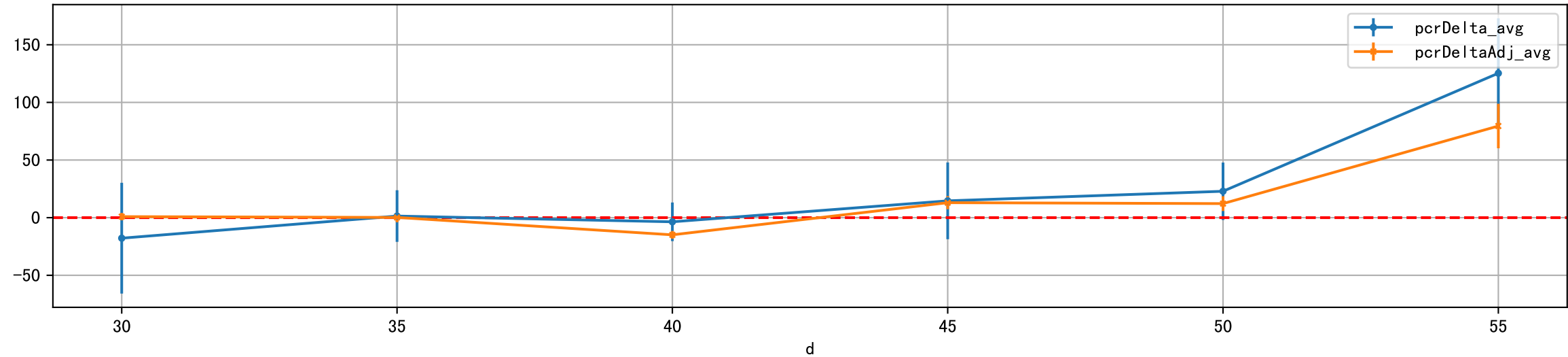
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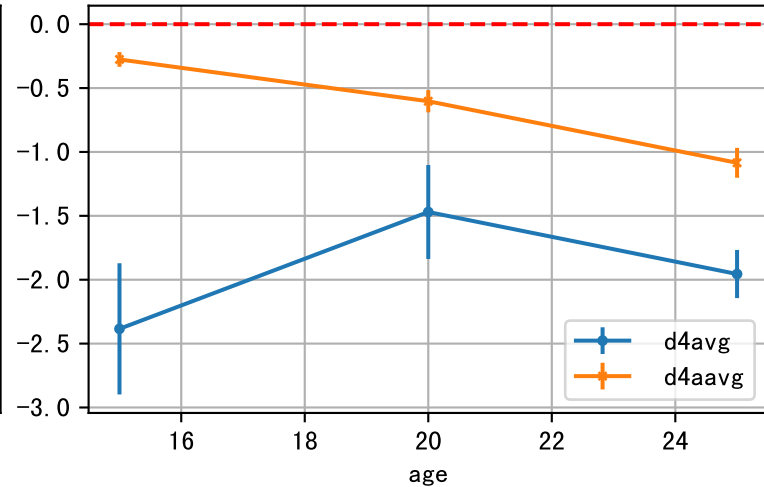
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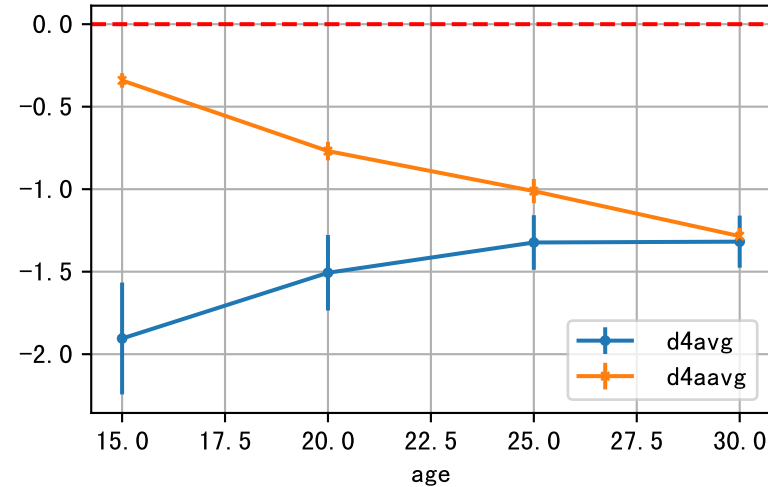
P9AE FrV: D_Q50_FrV



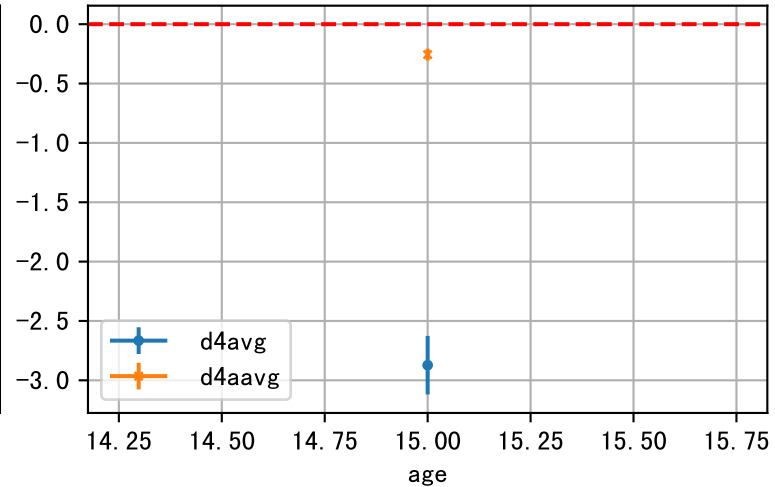
FrV: D_Est_FrV
organID=2



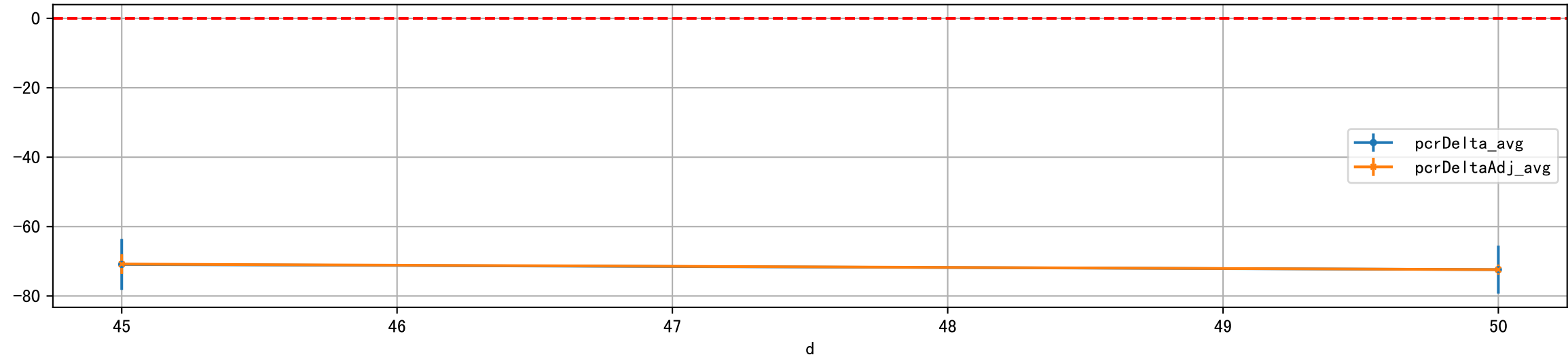
organID=1



organID=3



P9AE FrV: D_Est_FrV



P9AE FrV: sfDem

