

Phenotype Data Analysis Plots

PhenoData day range = 10 – 58

Analysis cutoff day = 58

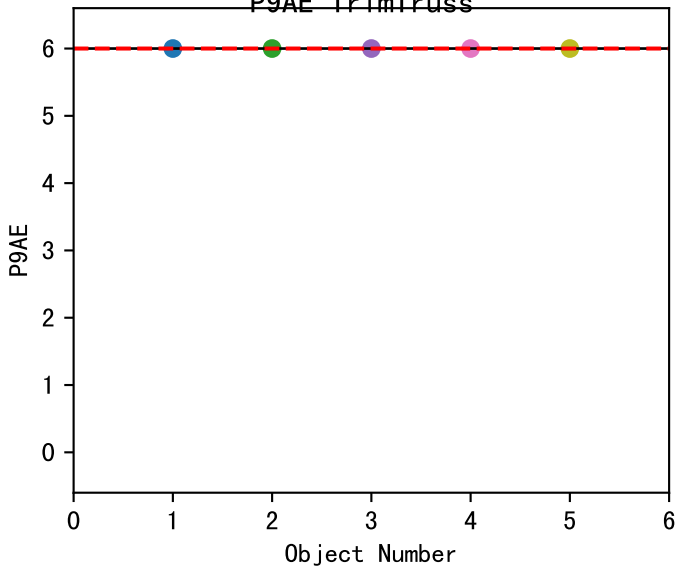
NC11 P9

2025-05-29 (Day 59)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

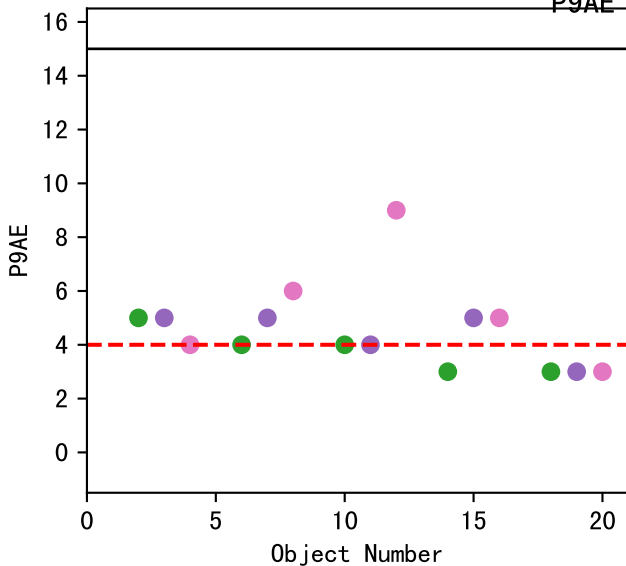
P9AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

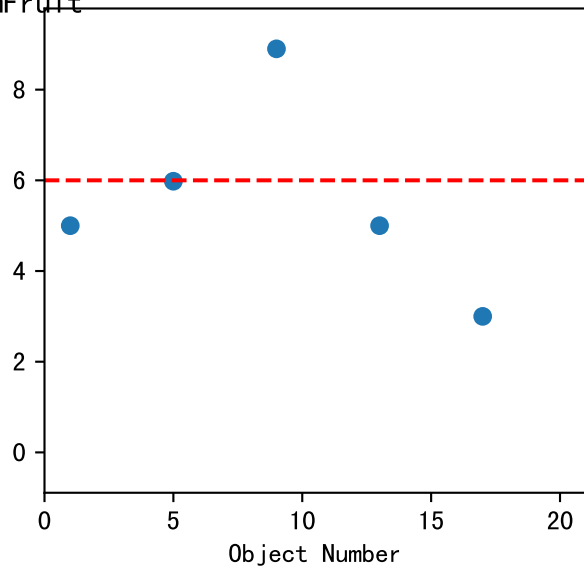
avg1=4.0~24% avg2=na

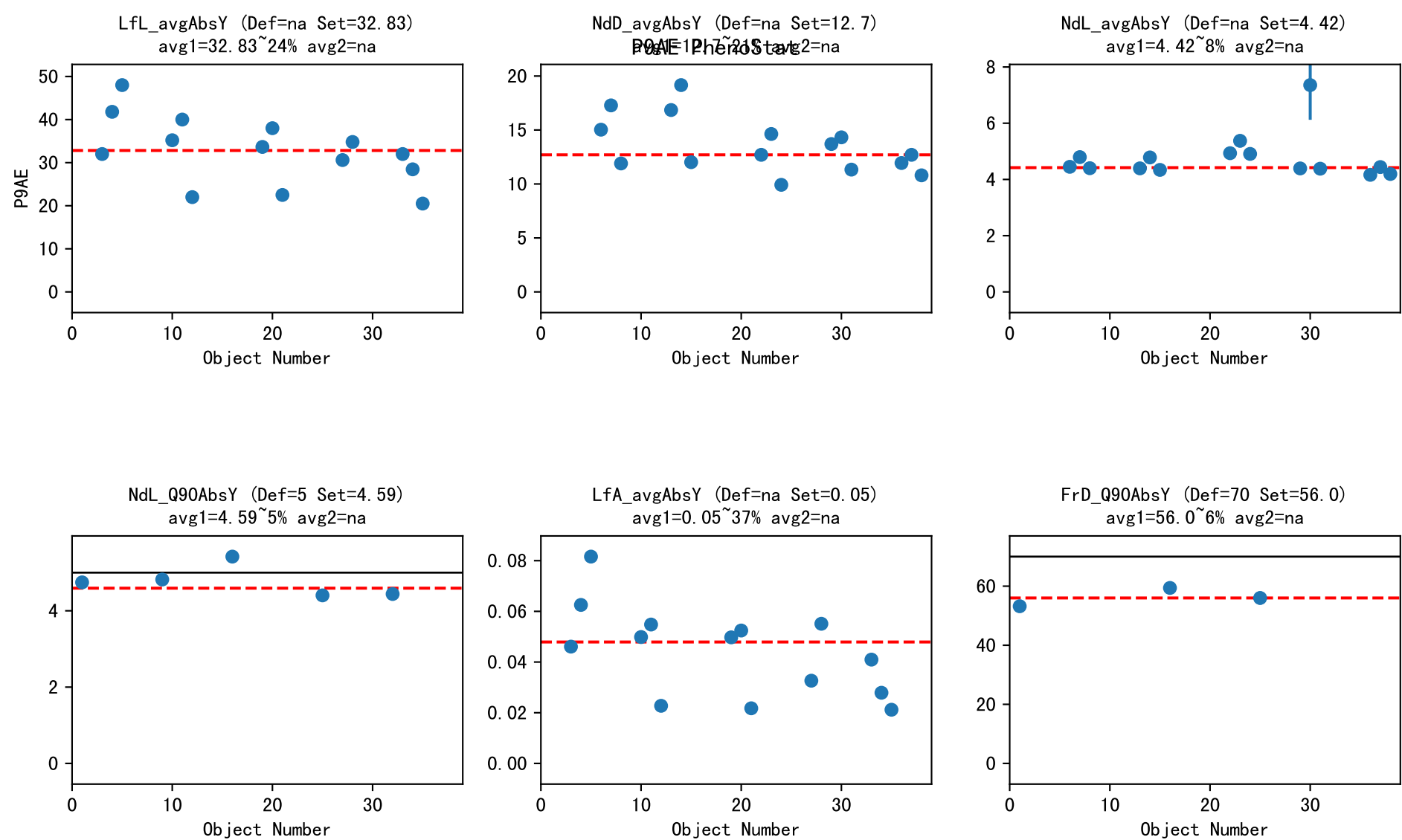
P9AE TrimFruit



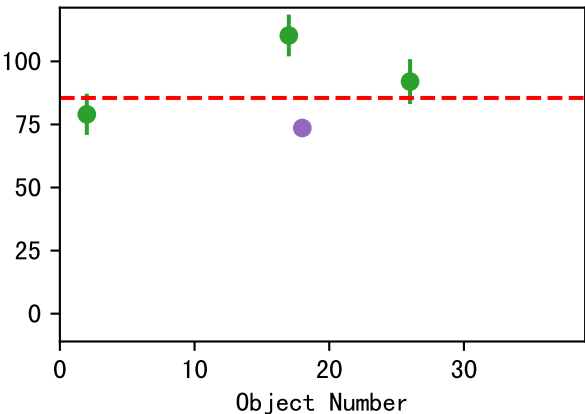
FruitNumMaxPerTruss (Def=na Set=6)

avg1=6.0~10% avg2=na

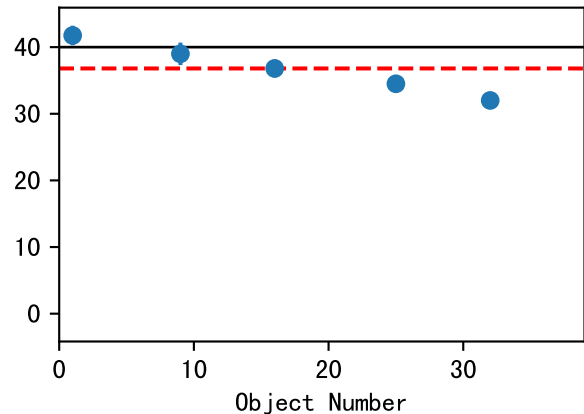




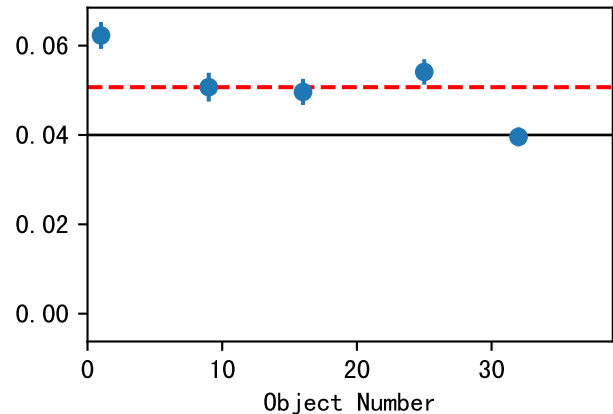
FrV_avgAbsY (Def=na Set=na)
avg1=85.5~19% avg2=na



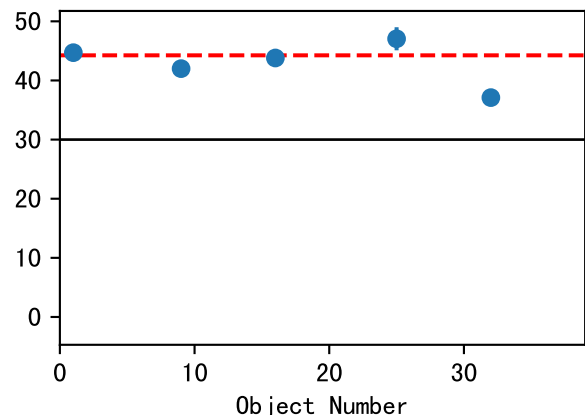
LfL_Q90AbsY (Def=40 Set=36.8)
avg1=39.8~10% avg2=na



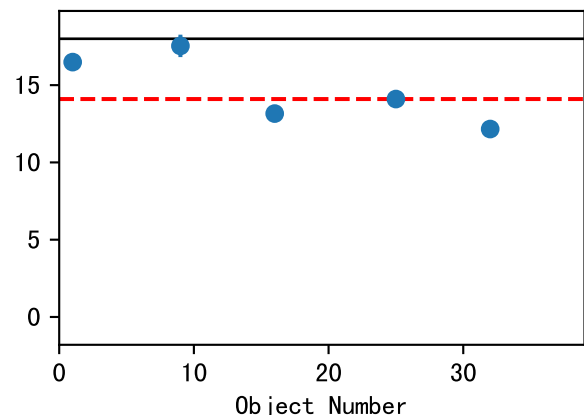
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.05~5% avg2=na



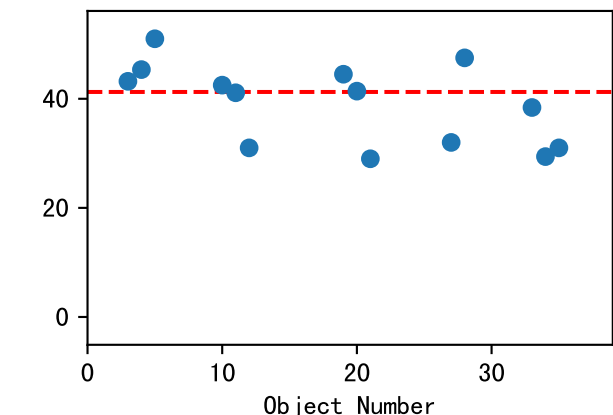
LfW_Q90AbsY (Def=30 Set=44.25)
avg1=44.25~5% avg2=na



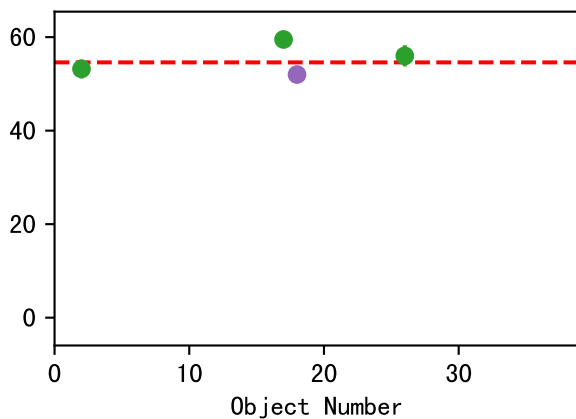
NdD_Q90AbsY (Def=18 Set=14.1)
avg1=14.1~16% avg2=na



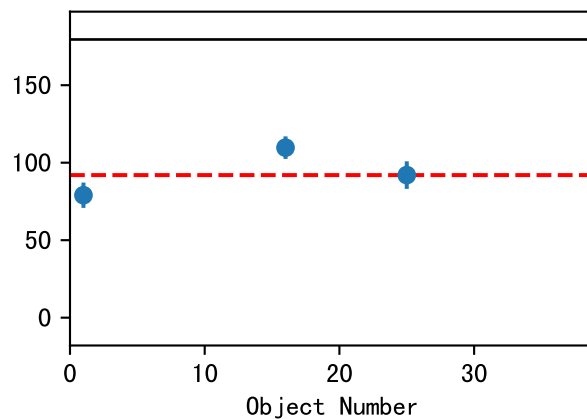
LfW_avgAbsY (Def=na Set=41.25)
avg1=41.25~18% avg2=na



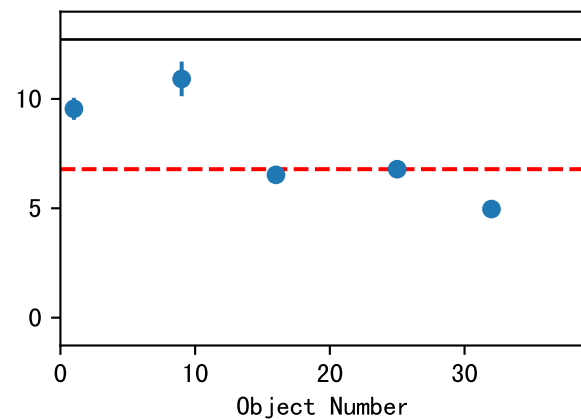
FrD_avgAbsY (Def=na Set=54.6)
avg1=54.6~6% avg2=na



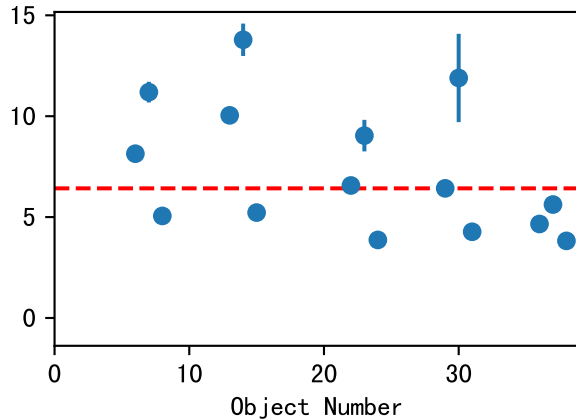
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=179.5~5% avg2=na



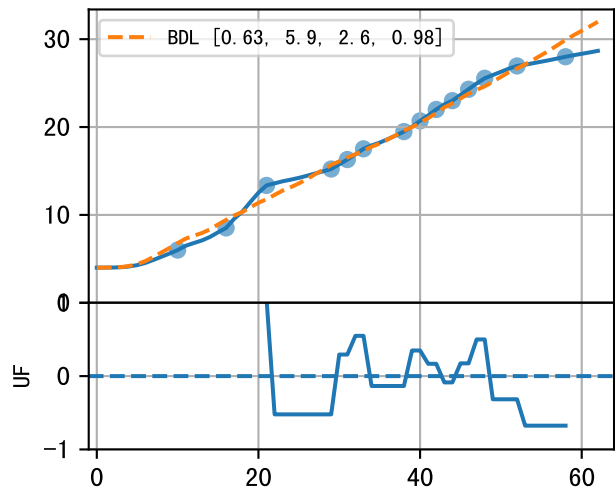
NdV_Q90AbsY (Def=12.72 Set=6.79)
avg1=6.79~36% avg2=na



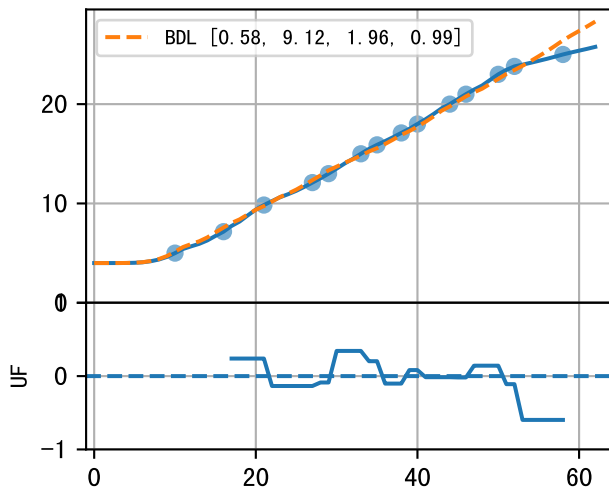
NdV_avgAbsY (Def=na Set=6.42)
avg1=6.42~50% avg2=na



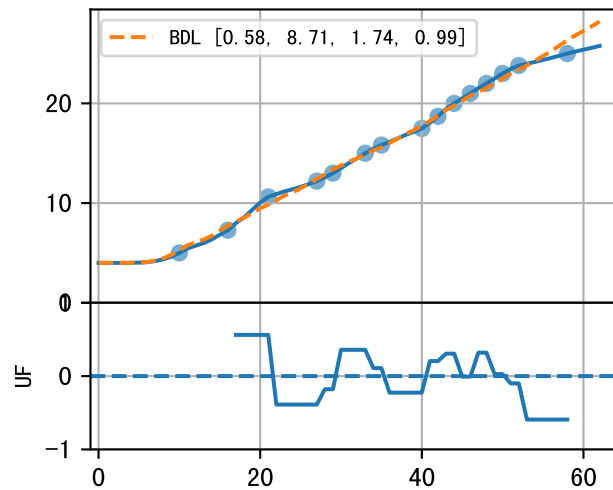
P9AE-065-3 (fit failed)



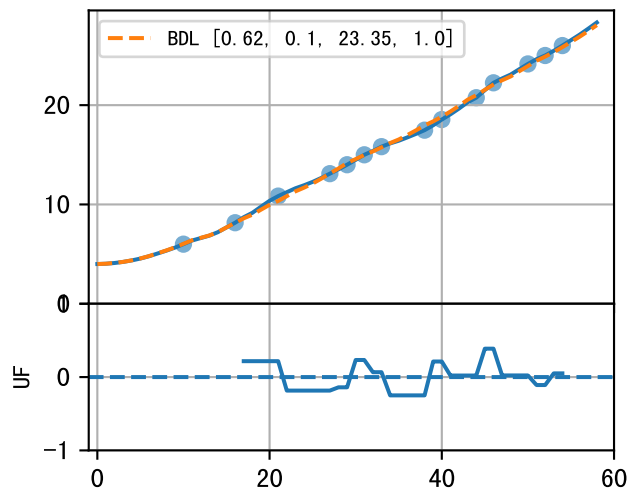
P9AE-077-12 (fit failed)



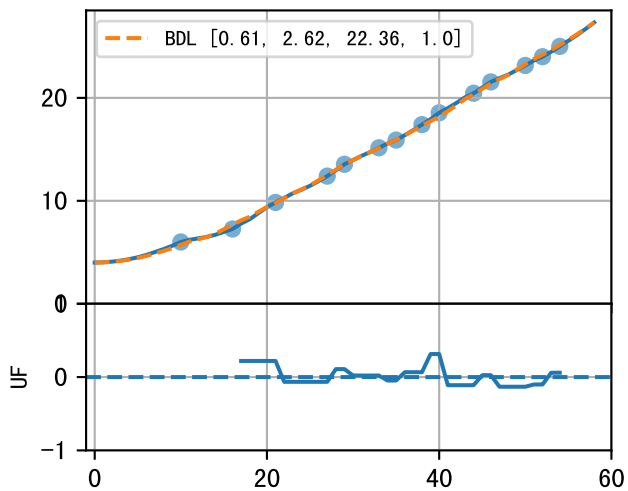
P9AE-089-25 (fit failed)



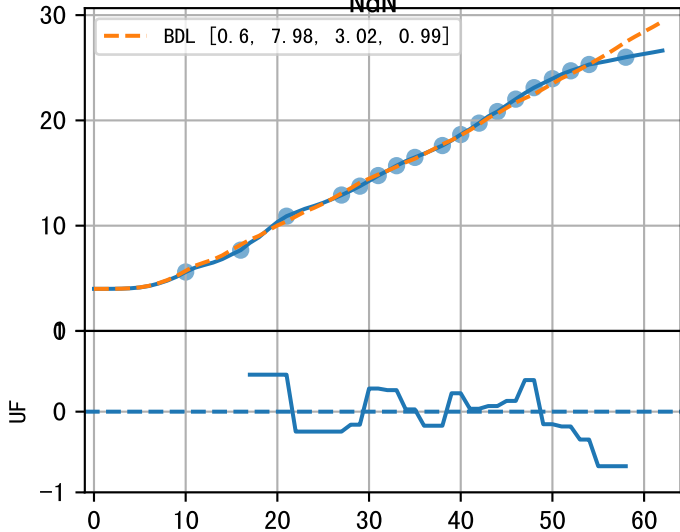
P9AE-100-19 (fit failed)



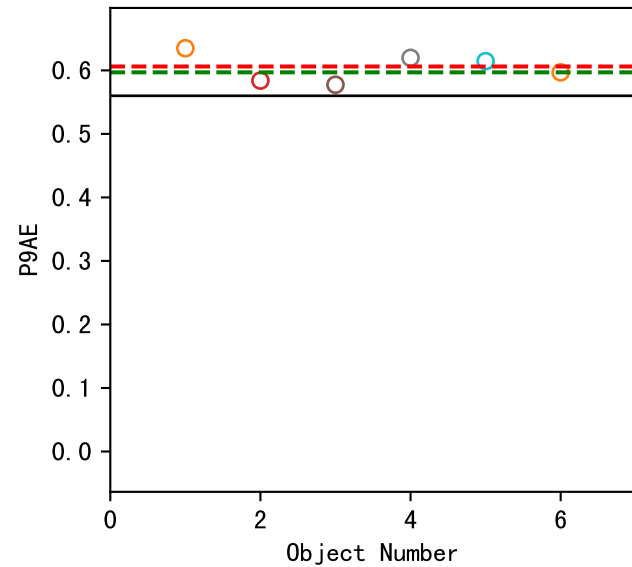
P9AE-111-7 (fit failed)



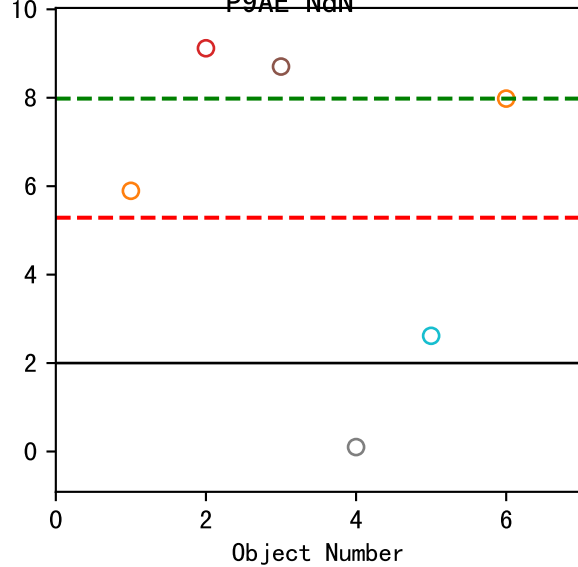
P9AEavg (fit failed)
NaN



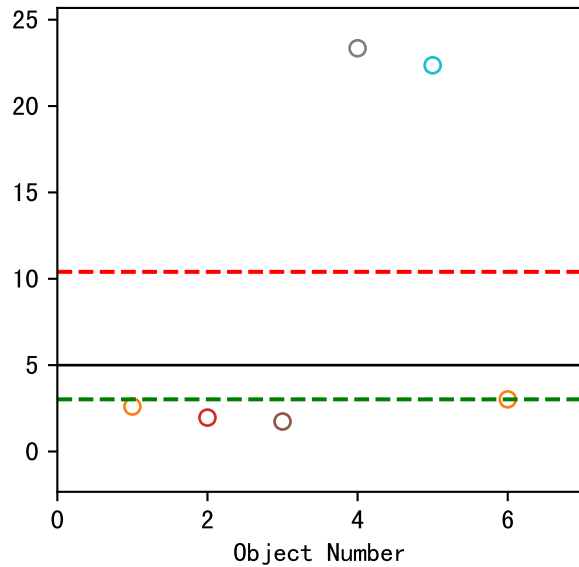
a (Def=0.56 Set=0.6)
avg1=0.61(fail) avg2=0.6



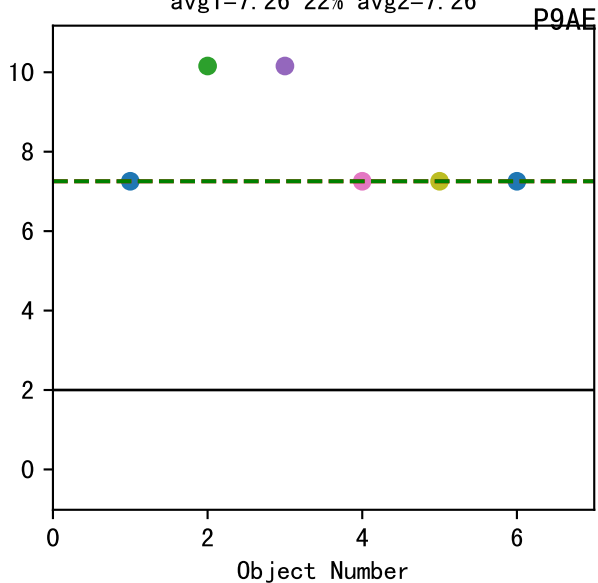
dm (Def=2 Set=7.98)
avg1=5.29(fail) avg2=7.98



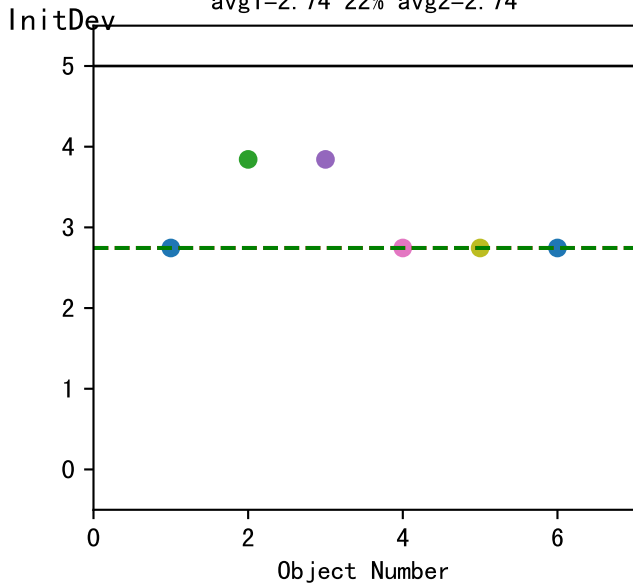
de (Def=5 Set=3.02)
avg1=10.4(fail) avg2=3.02



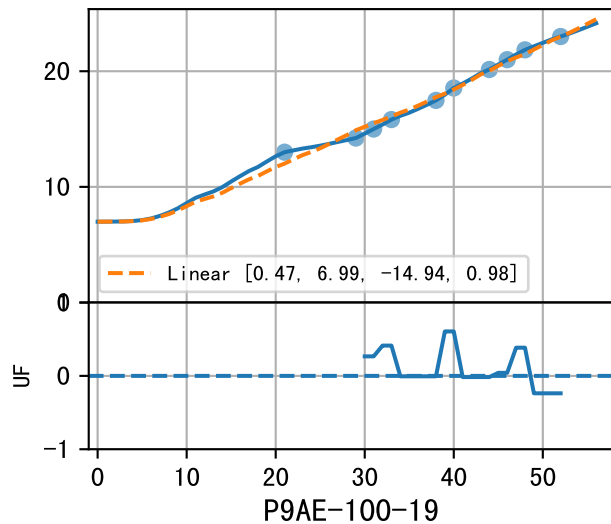
InitDev_dm (Def=2 Set=7.26)
avg1=7.26~22% avg2=7.26



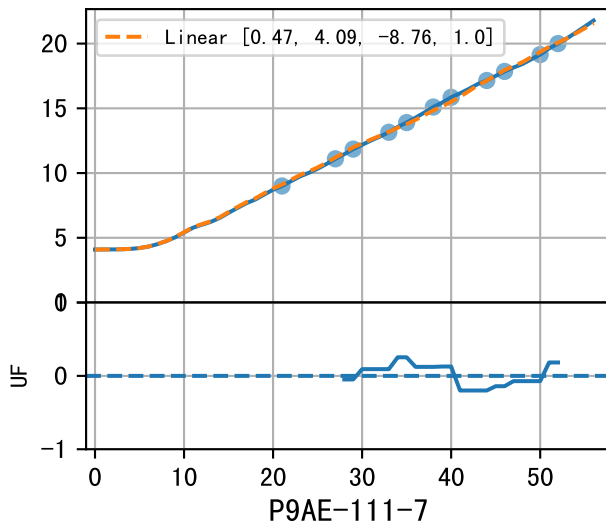
InitDev_de (Def=5 Set=2.74)
avg1=2.74~22% avg2=2.74



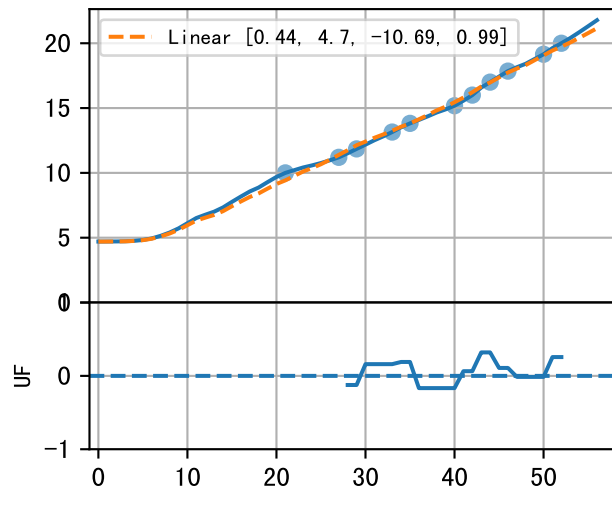
P9AE-065-3



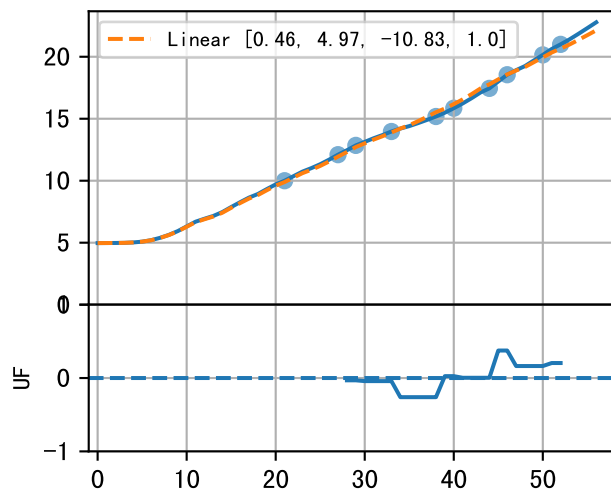
P9AE-077-32



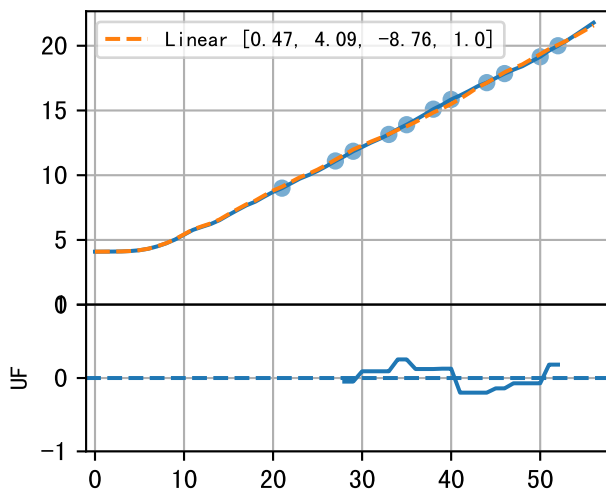
P9AE-089-25



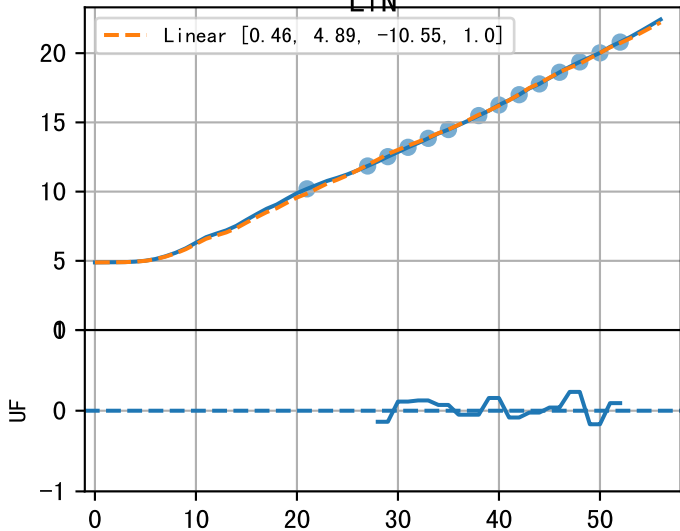
P9AE-100-19



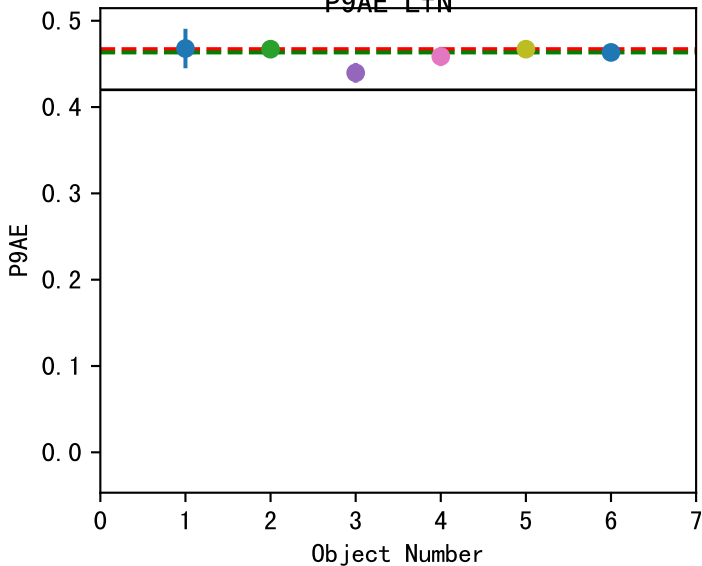
P9AE-111-7



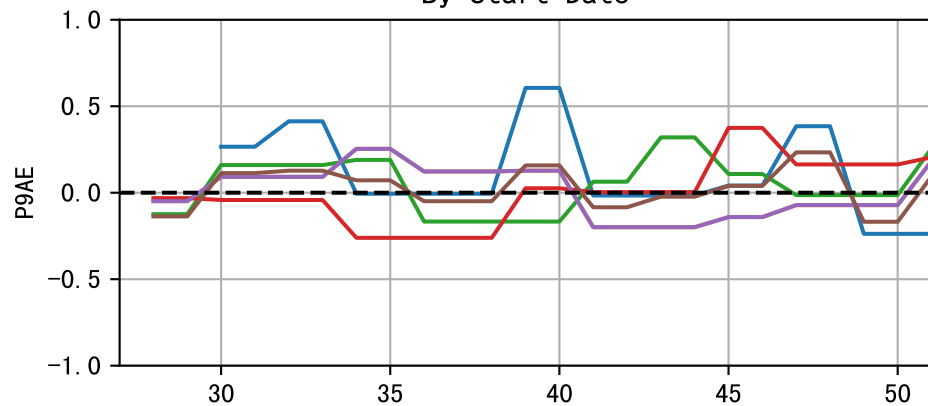
P9AEavg
LfN



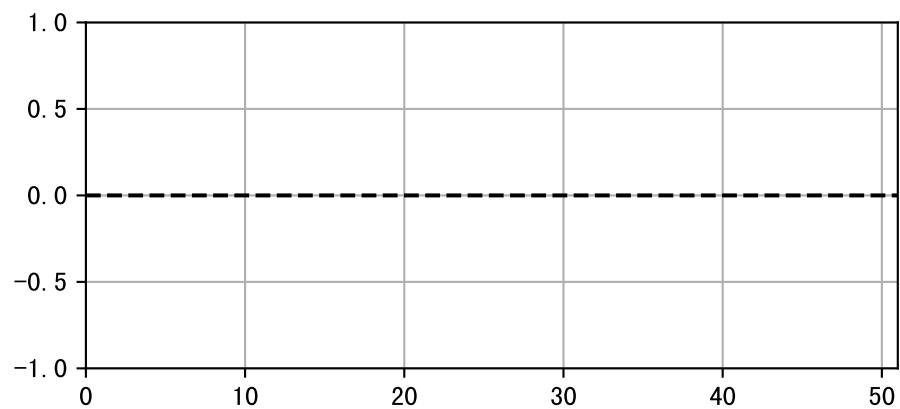
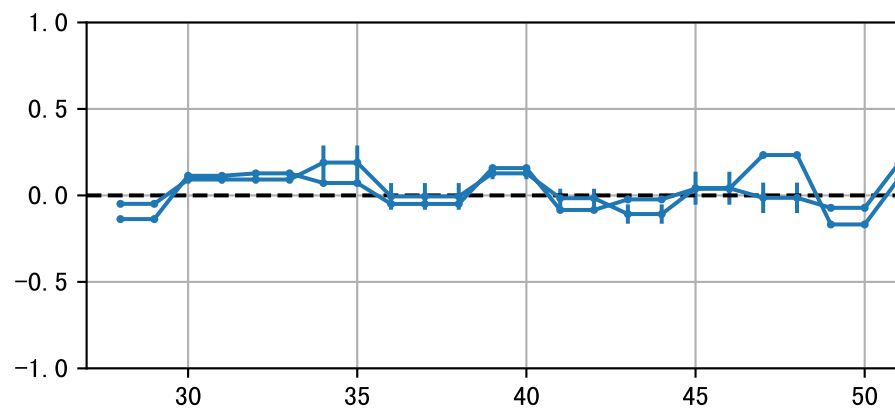
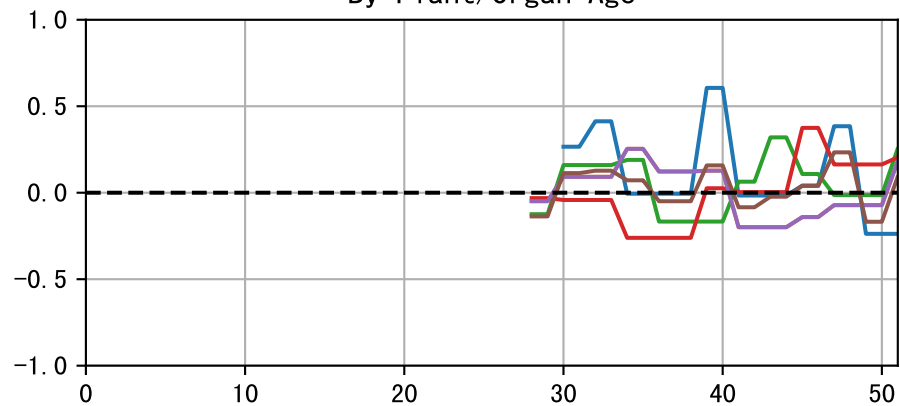
a (Def=0.42 Set=0.46)
avg1=0.47 $\sim$ 1% avg2=0.46 $\sim$ 2%
P9AE LfN



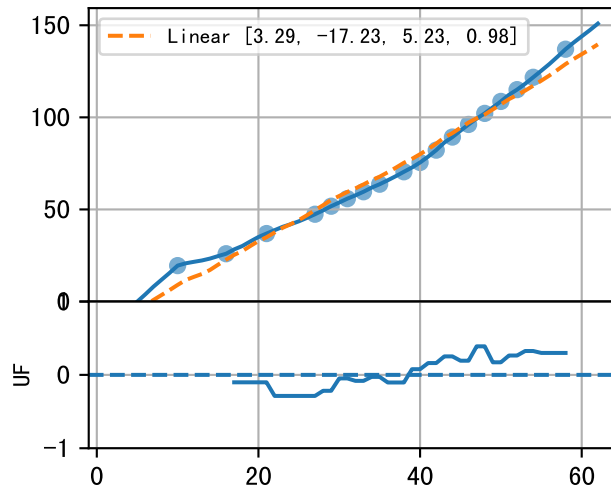
By Start Date



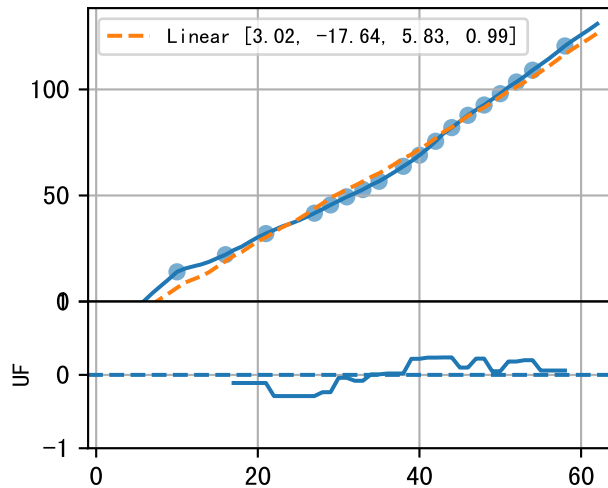
By Plant/Organ Age



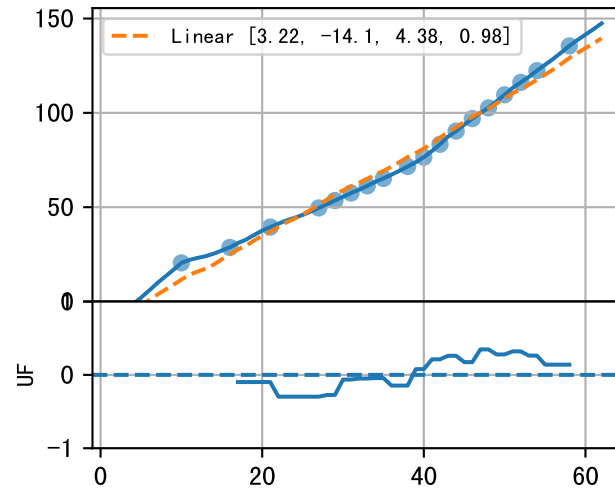
P9AE-065-3



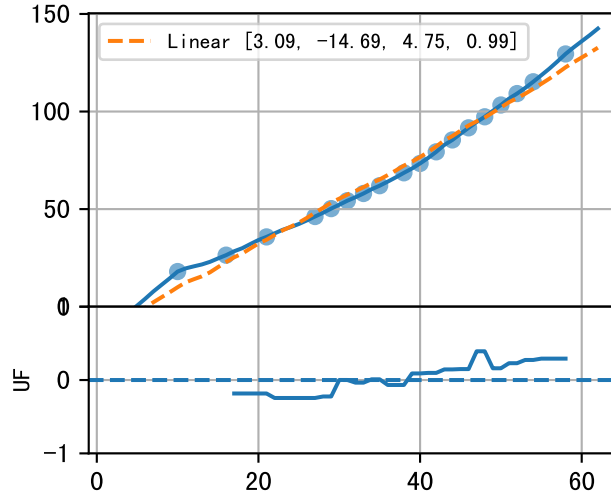
P9AE-077-32



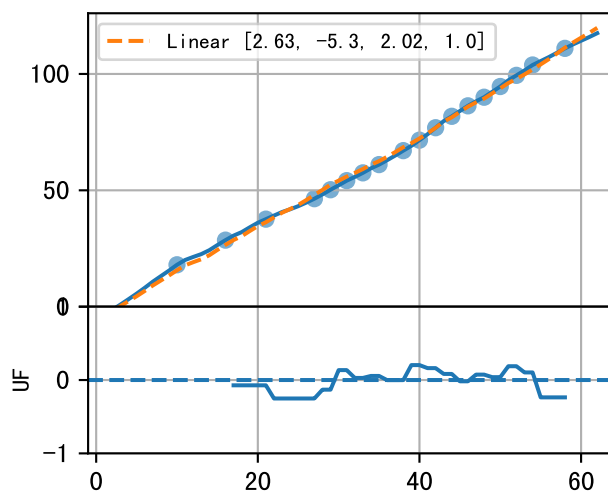
P9AE-089-25



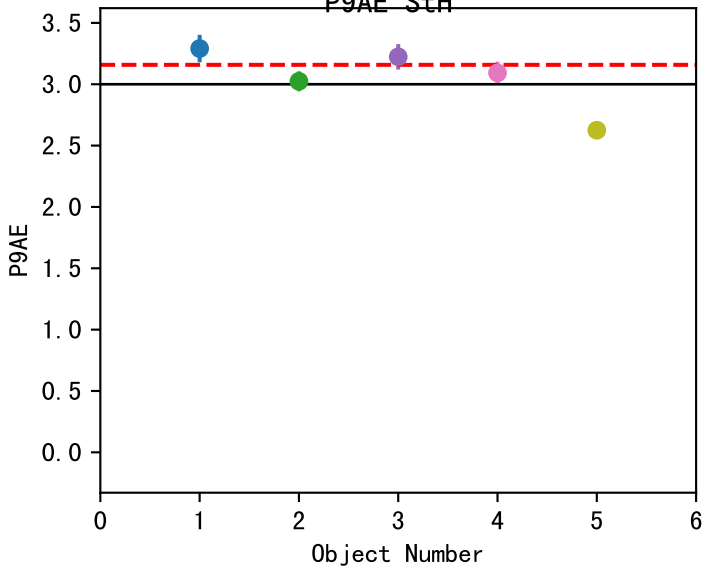
P9AE-100-19



P9AE-111-7

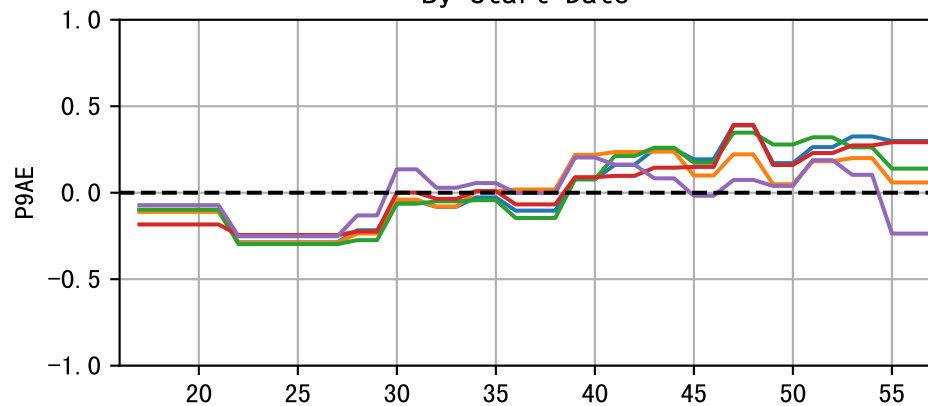


a (Def=3 Set=3.16)
avg1=3.16~4% avg2=na
P9AE StH

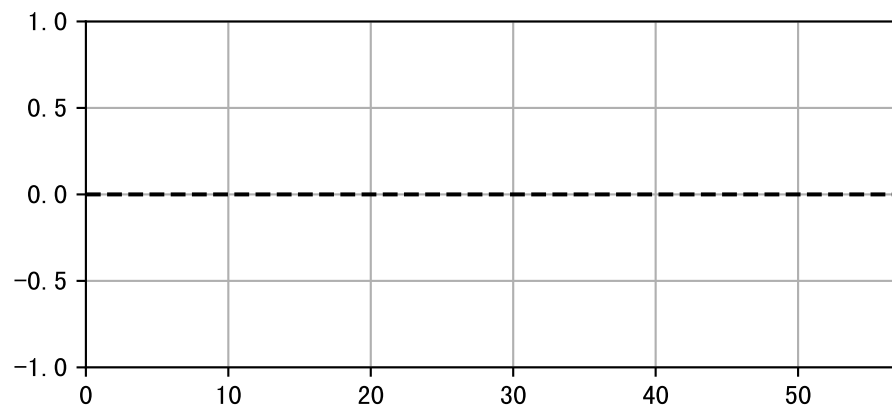
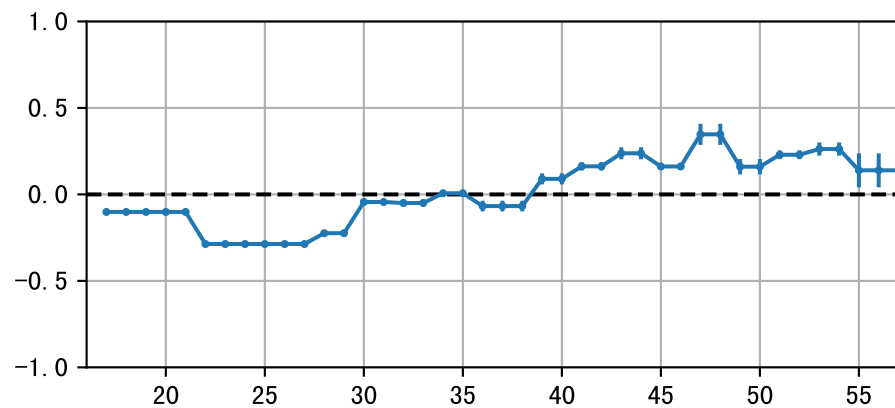
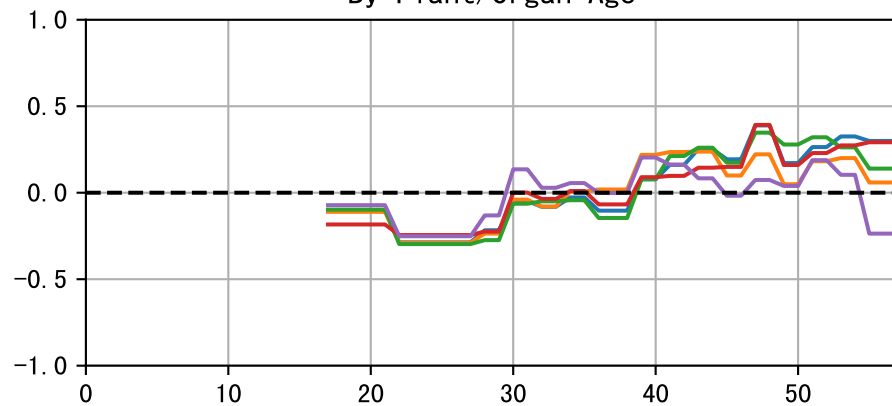


StH

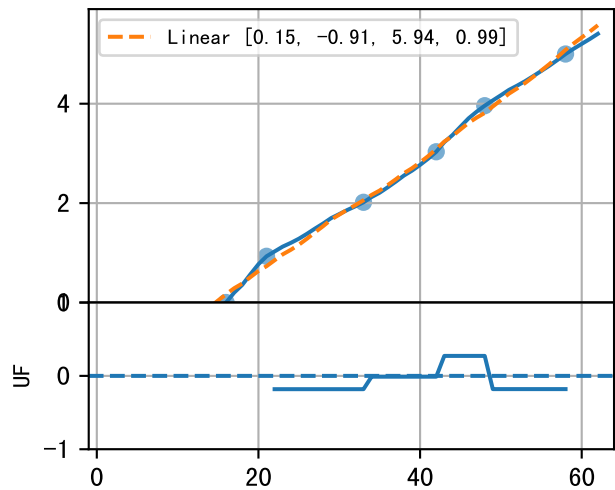
By Start Date



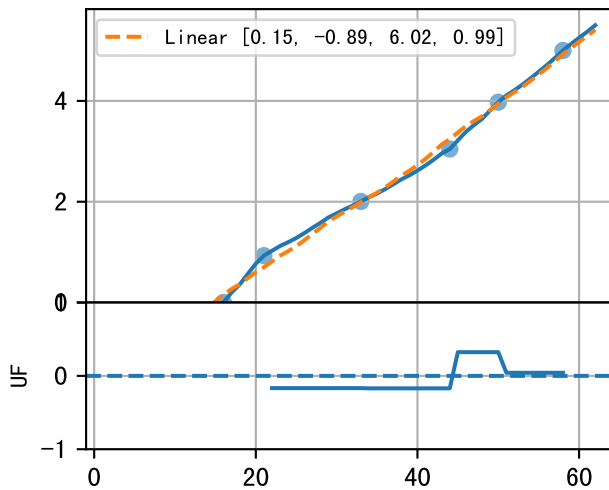
By Plant/Organ Age



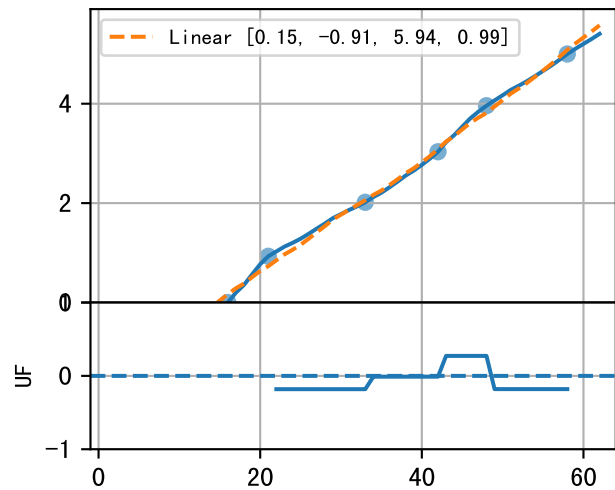
P9AE-065-3



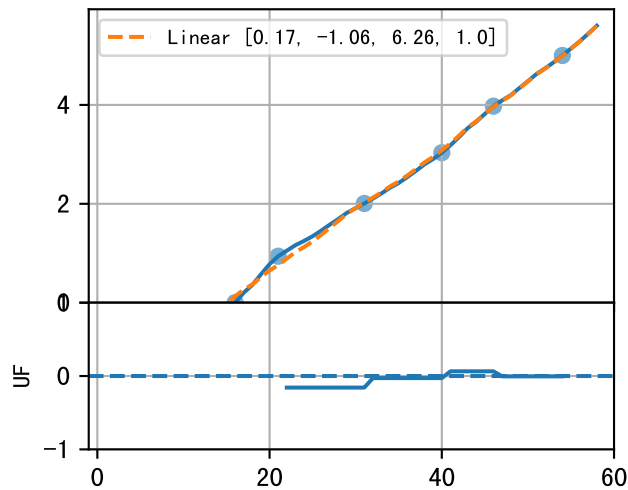
P9AE-077-32



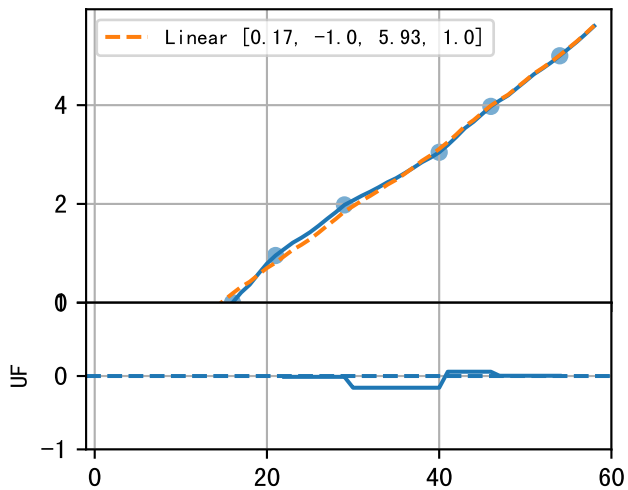
P9AE-089-25



P9AE-100-19



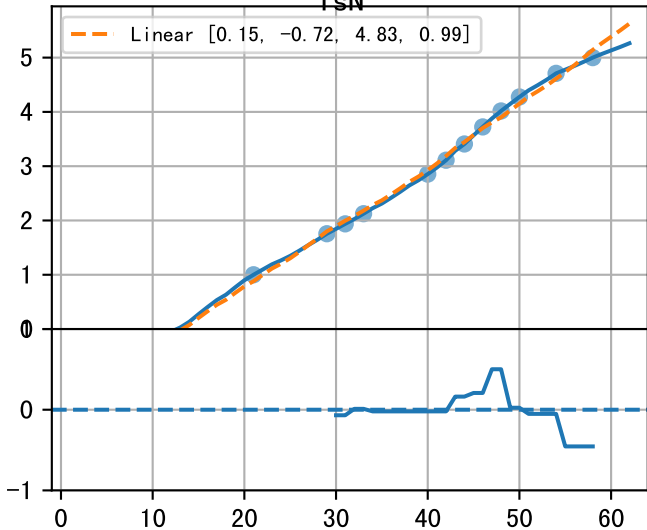
P9AE-111-7



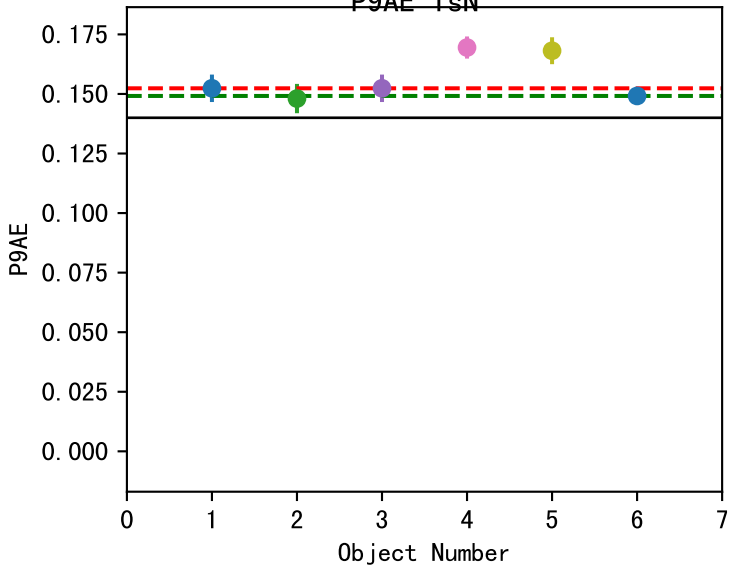
P9AEavg
TSN

Linear [0.15, -0.72, 4.83, 0.99]

UF

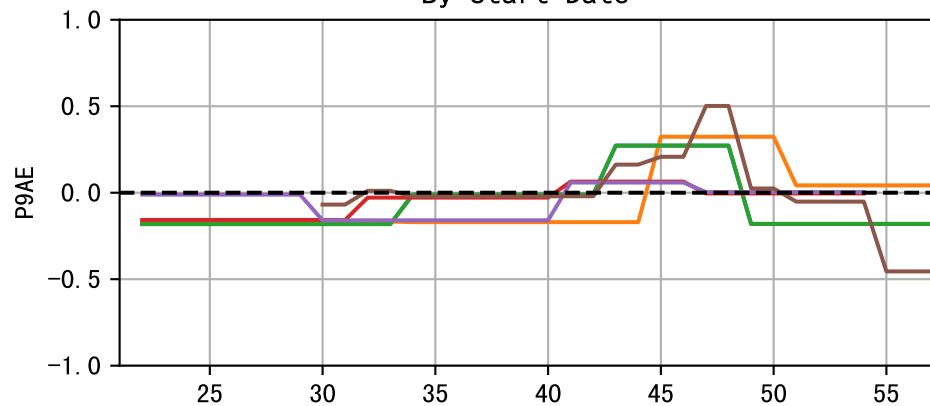


a (Def=0.14 Set=0.15)
avg1=0.15 $\sim$ 7% avg2=0.15 $\sim$ 5%
P9AE TSN

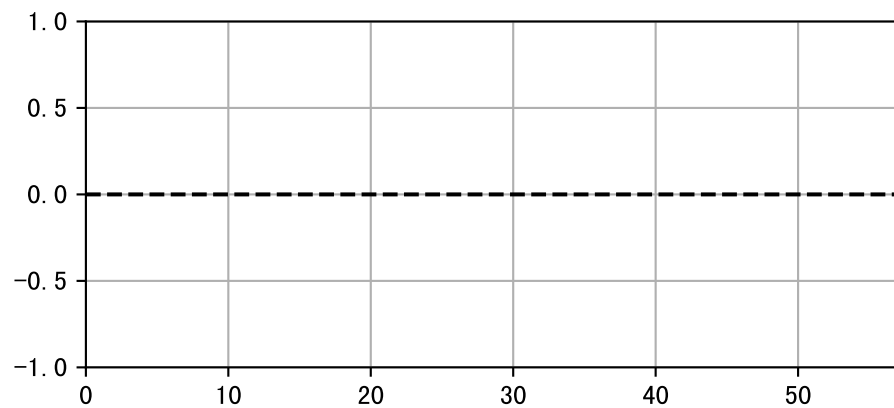
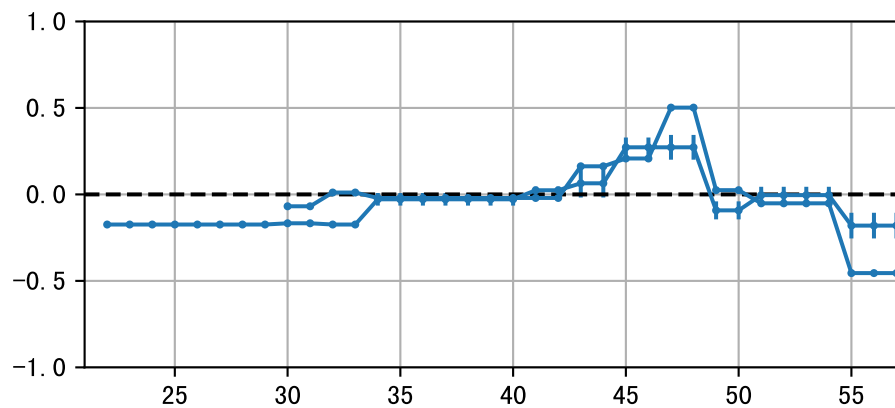
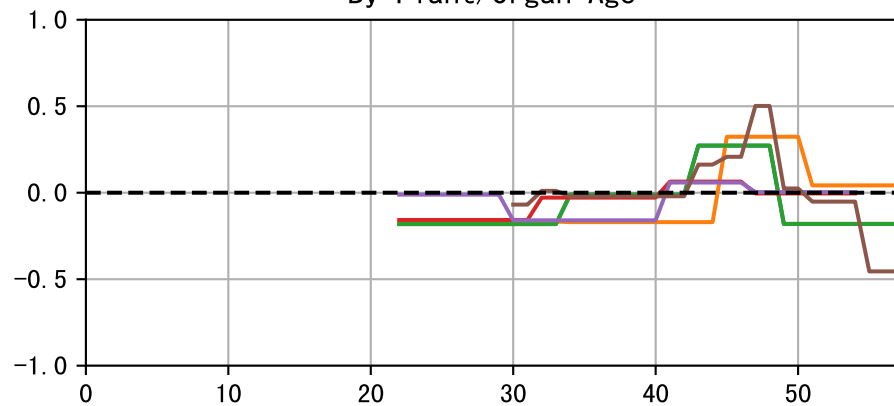


TsN

By Start Date

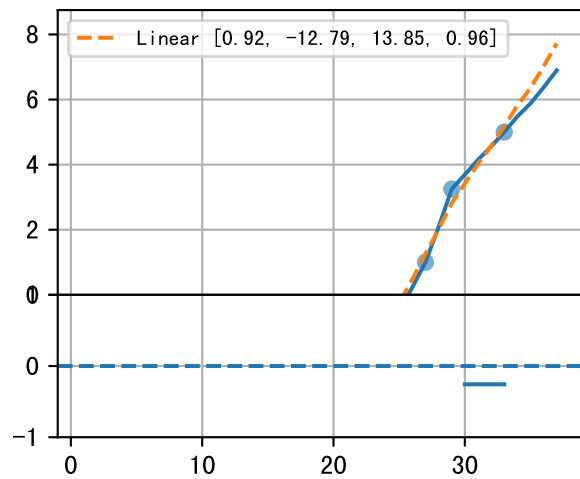


By Plant/Organ Age

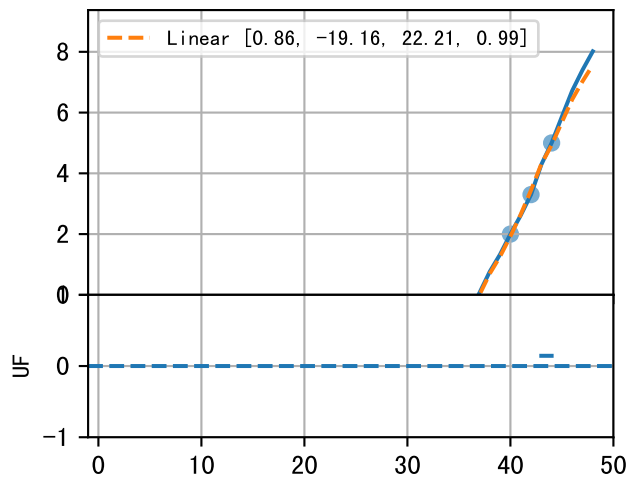


ErN

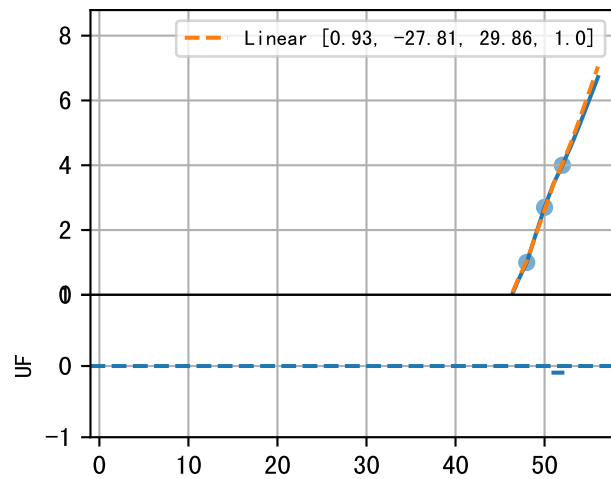
P9AE-065-3T1



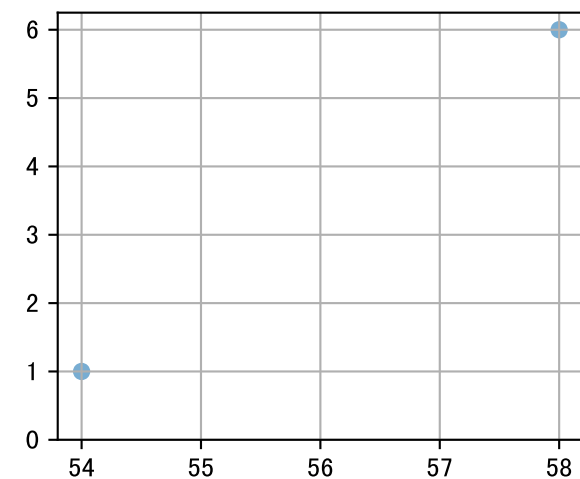
P9AE-065-3T2



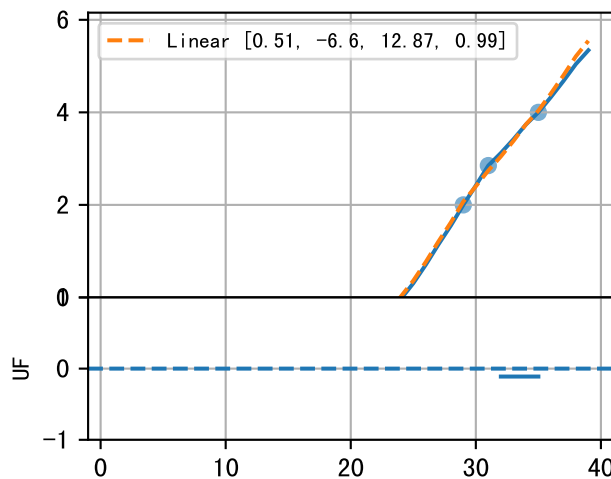
P9AE-065-3T3



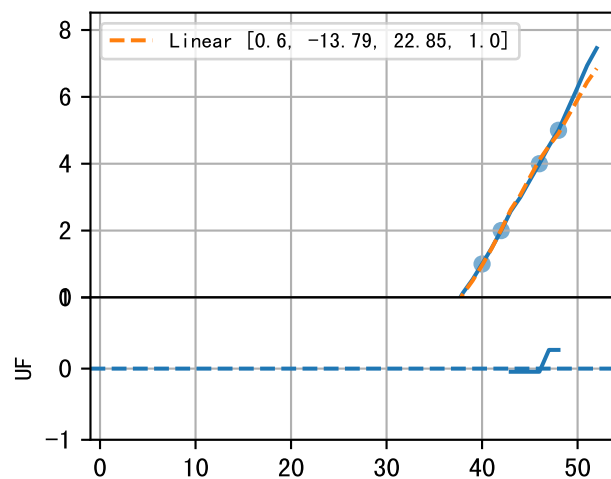
P9AE-065-3T4 (fit failed)



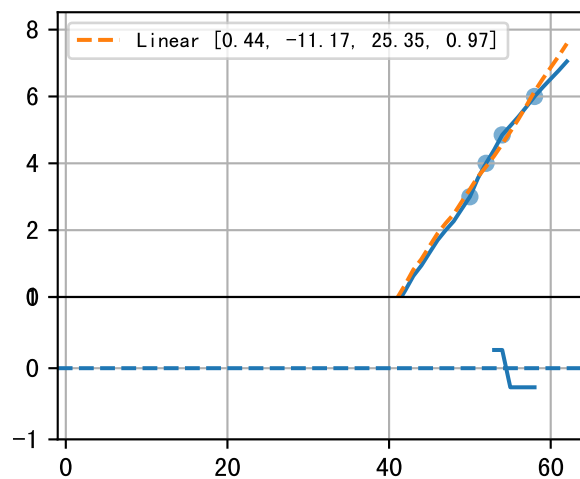
P9AE-077-32T1



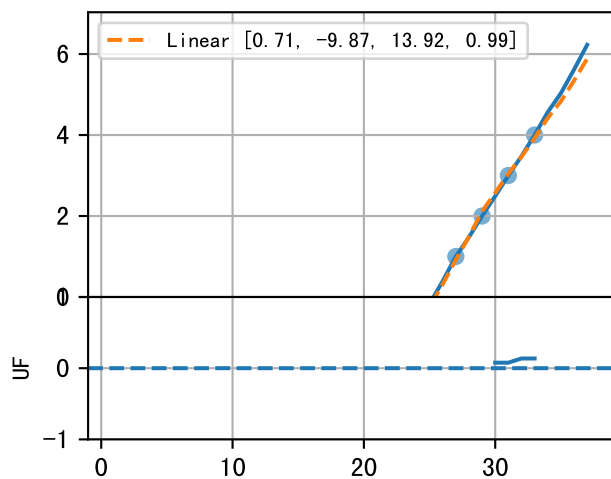
P9AE-077-32T2



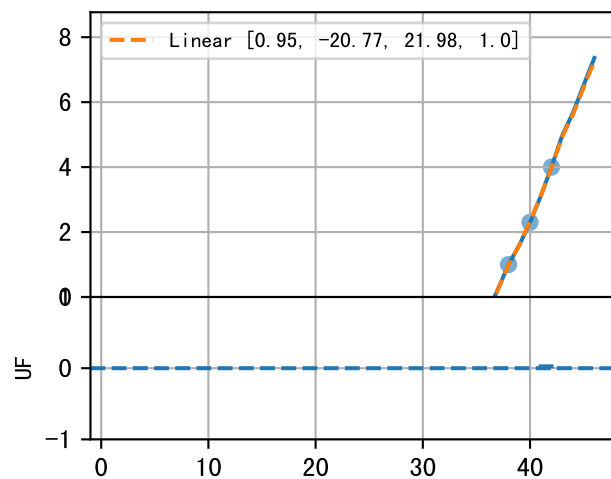
P9AE-077-32T3



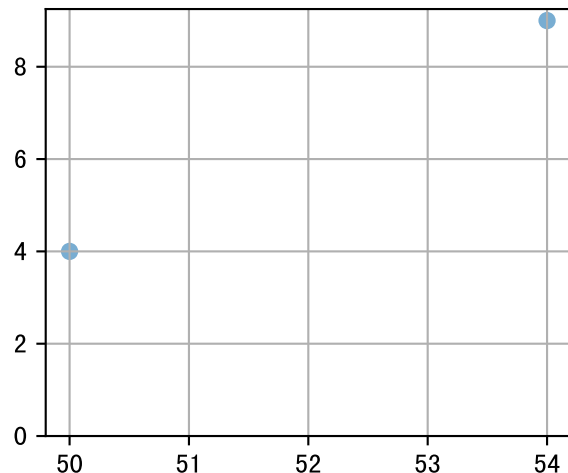
P9AE-089-25T1



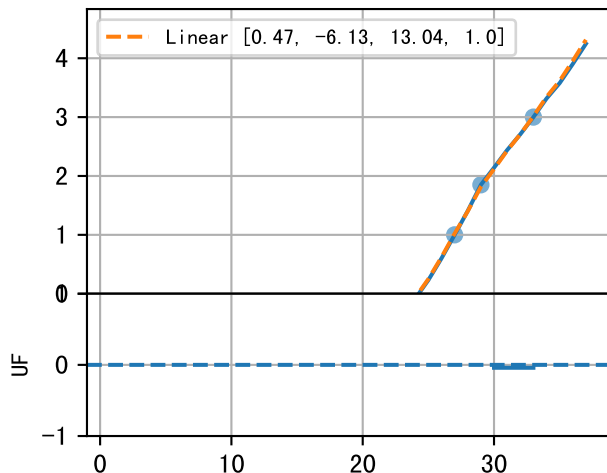
P9AE-089-25T2



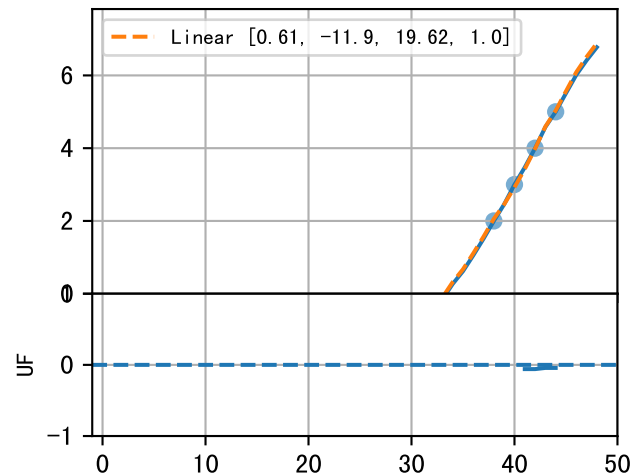
P9AE-089-25T3 (fit failed)



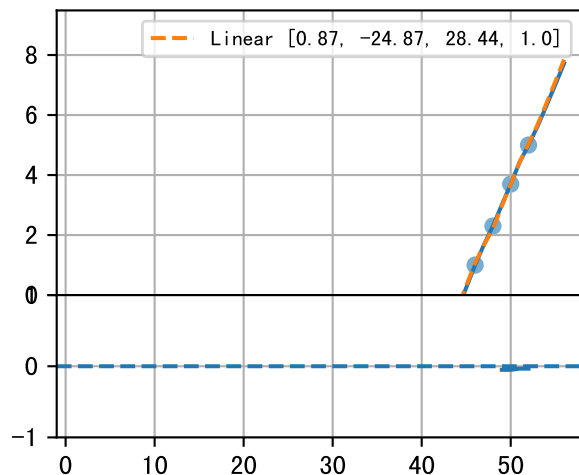
P9AE-100-19T1



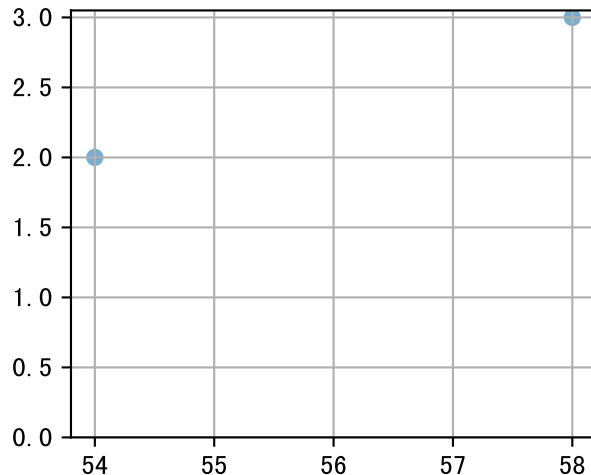
P9AE-100-19T2



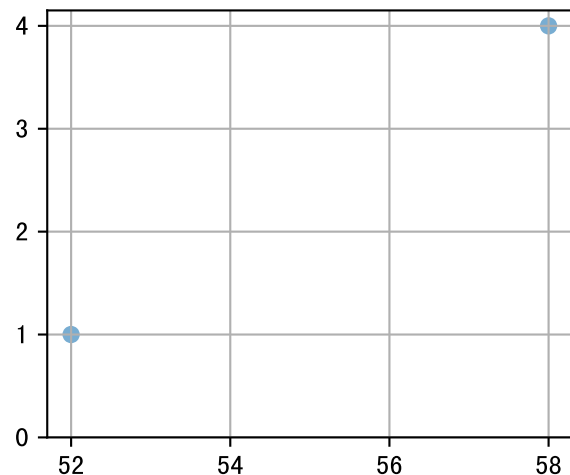
P9AE-100-19T3



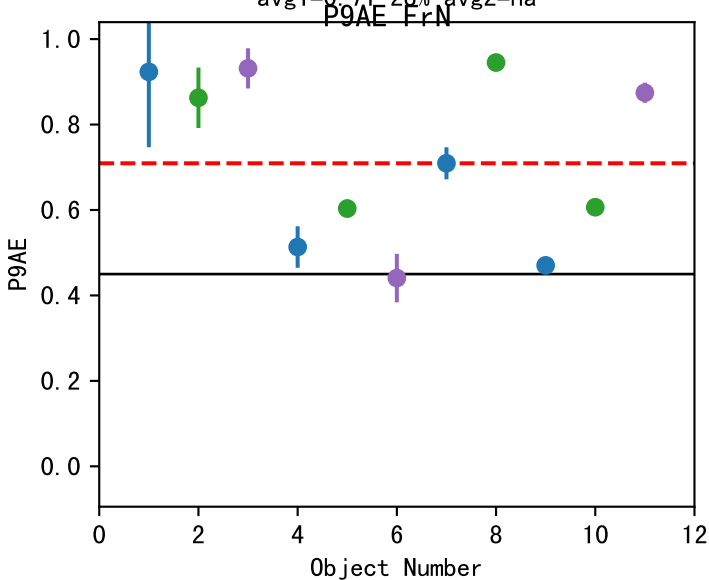
P9AE-100-19T4 (fit failed)



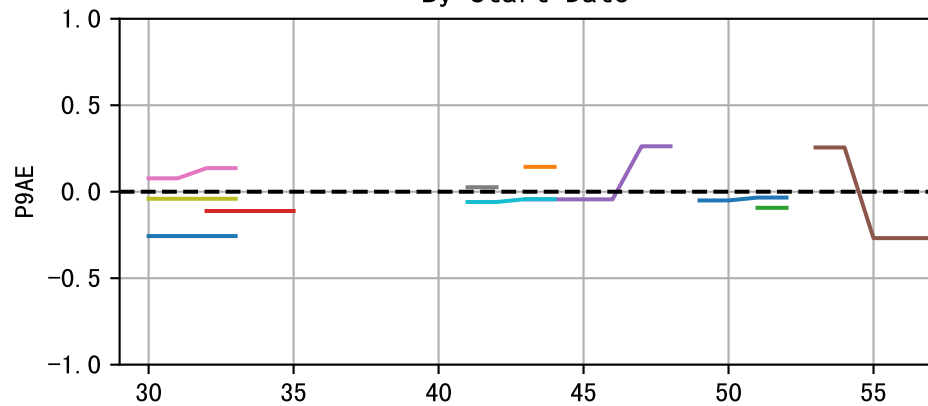
P9AE-111-7T4 (fit failed)



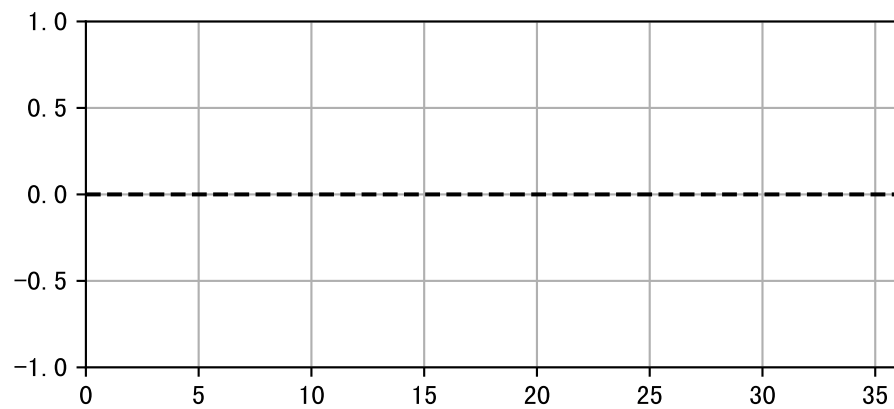
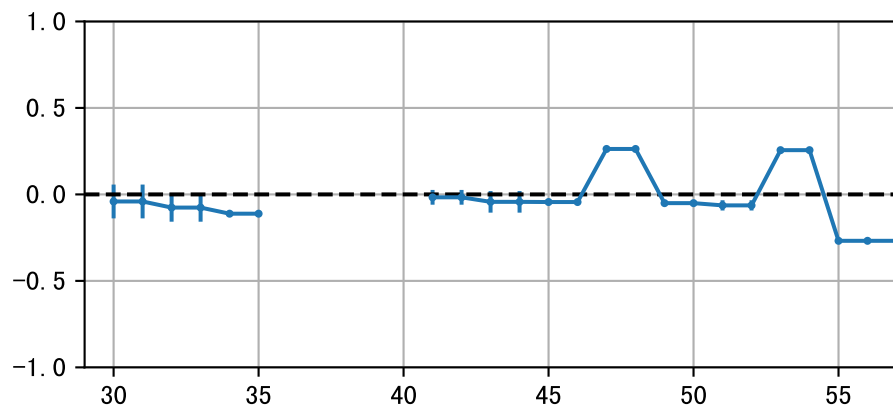
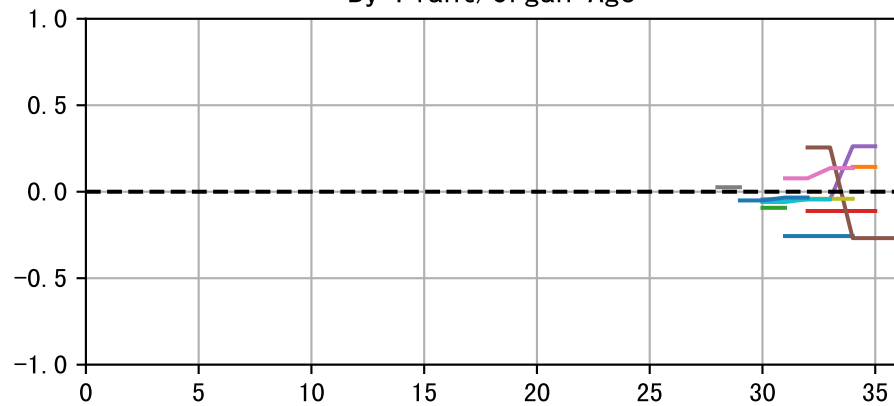
a (Def=0.45 Set=0.71)
avg1=0.71~28% avg2=na



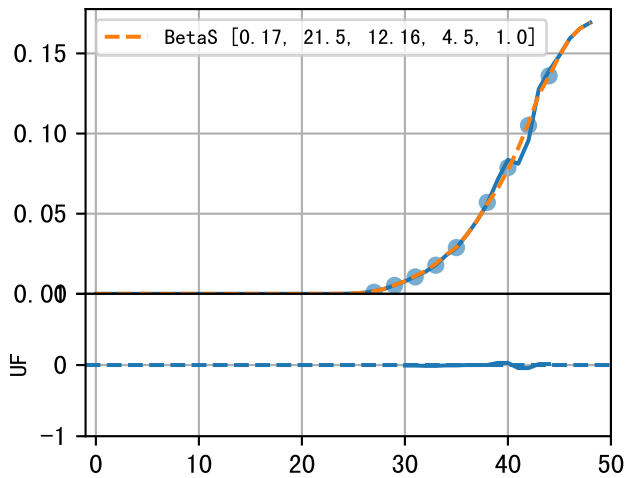
By Start Date



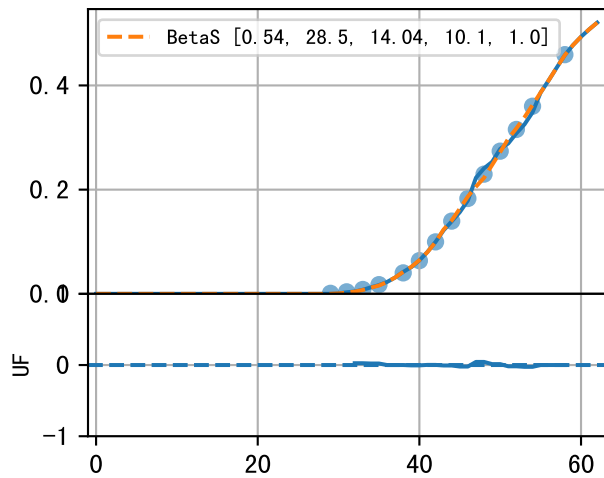
By Plant/Organ Age



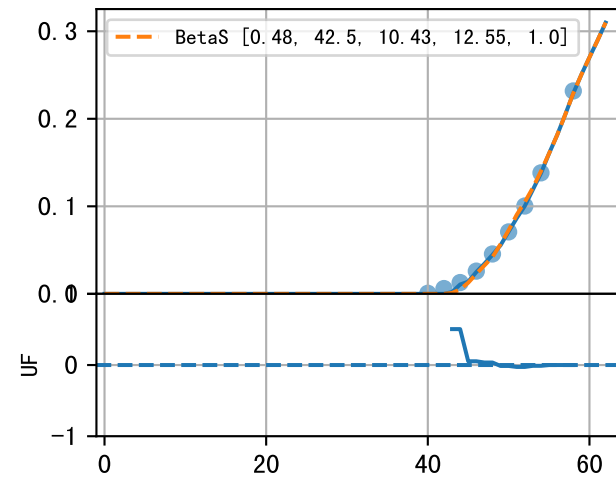
P9AE-065-3T1Fr1



P9AE-065-3T1Fr5



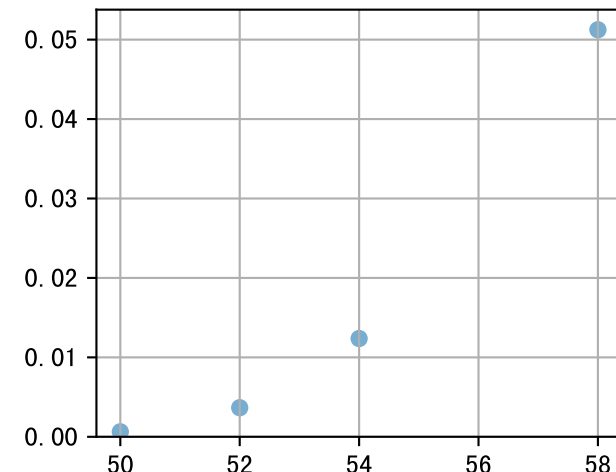
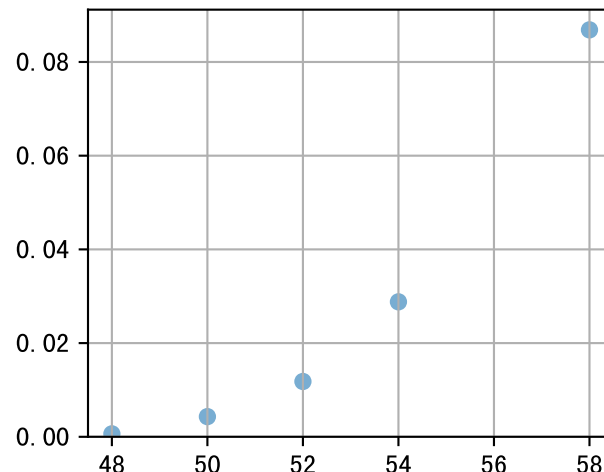
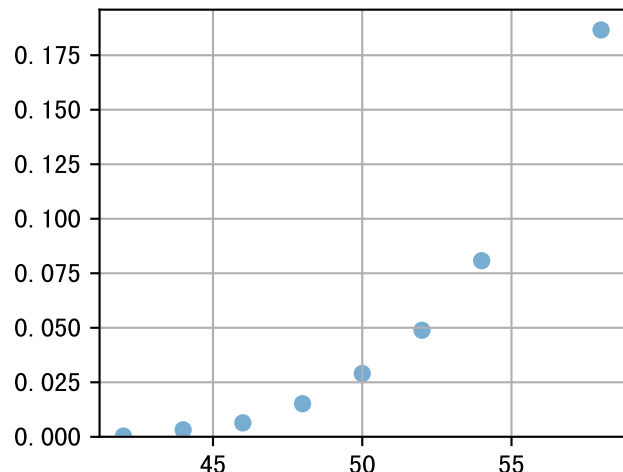
P9AE-065-3T2Fr1 (fit failed)



P9AE-065-3T2Fr5 (fit failed)

P9AE-065-3T3Fr1 (fit failed)

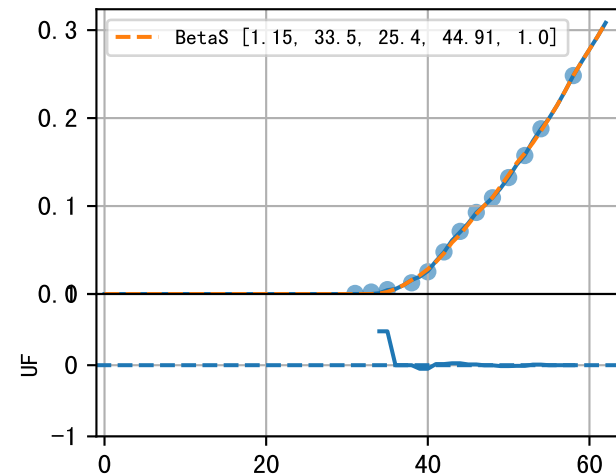
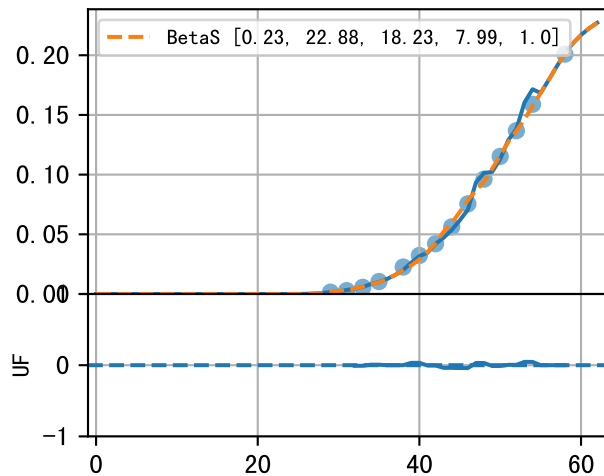
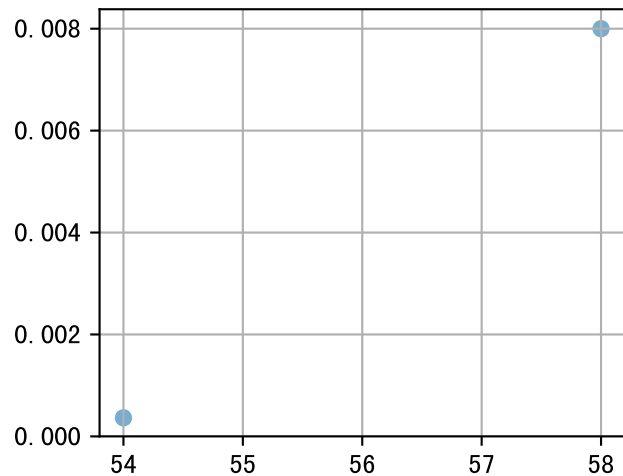
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P9AE-065-3T4Fr1 (fit failed)

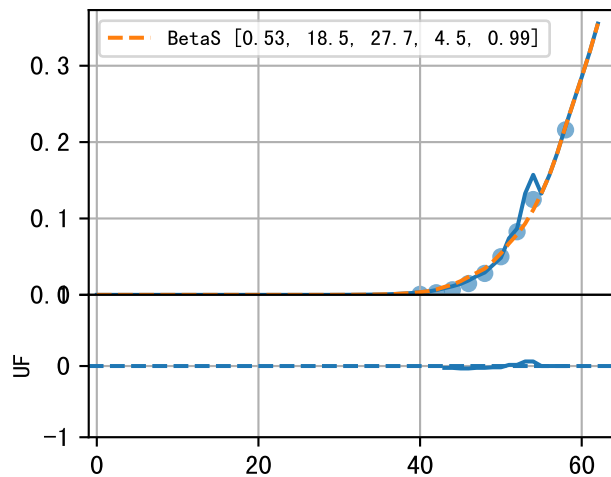
P9AE-077-32T1Fr1

P9AE-077-32T1Fr5 (fit failed)

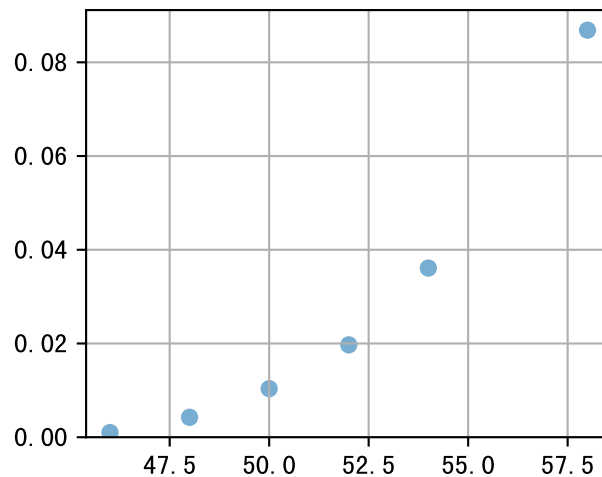


FrV

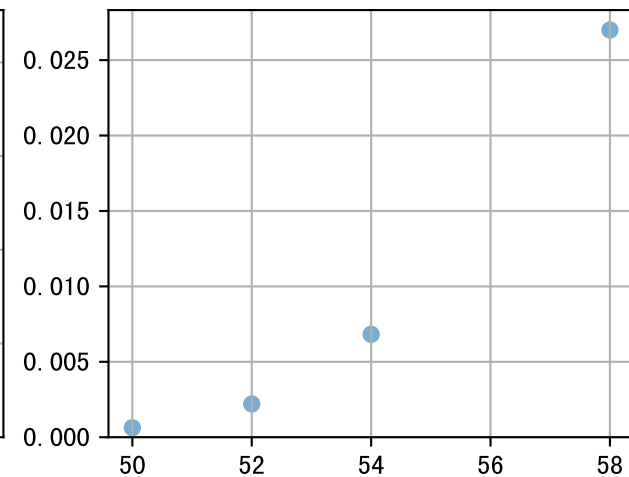
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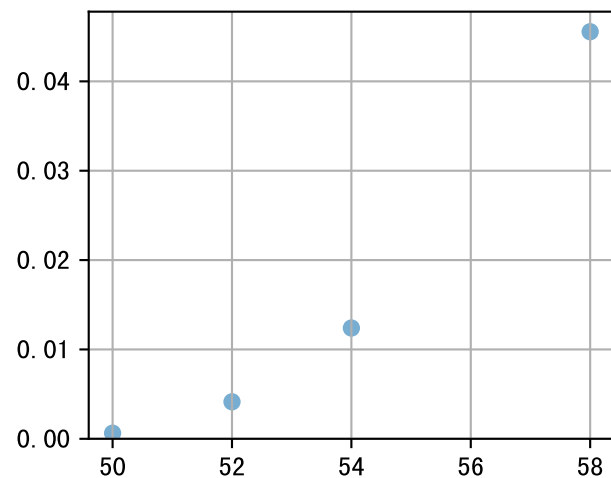
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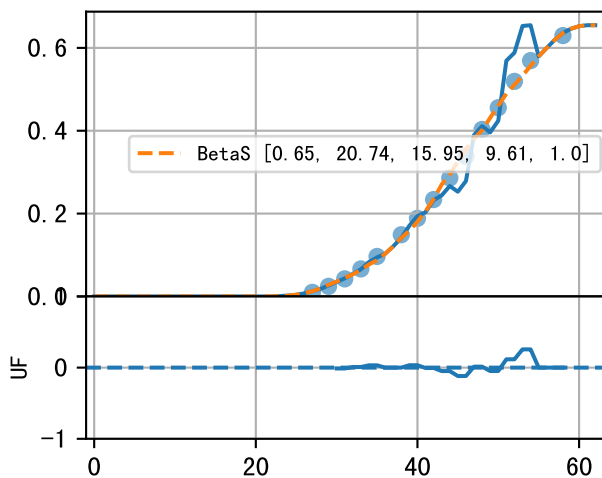
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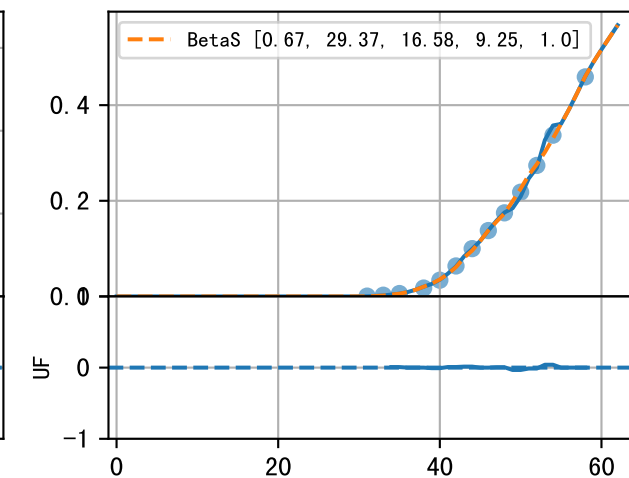
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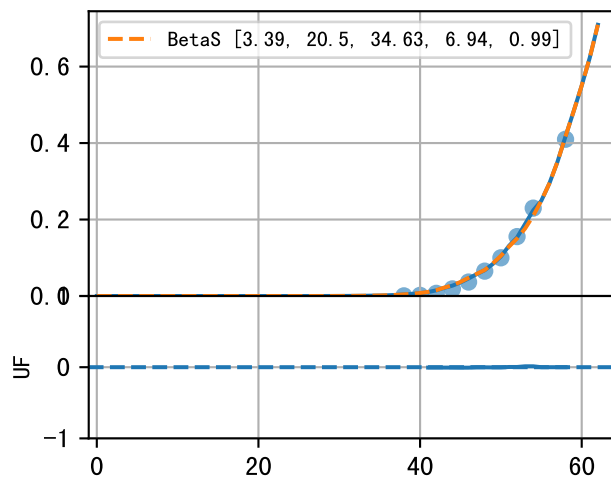
P9AE-089-25T1Fr1



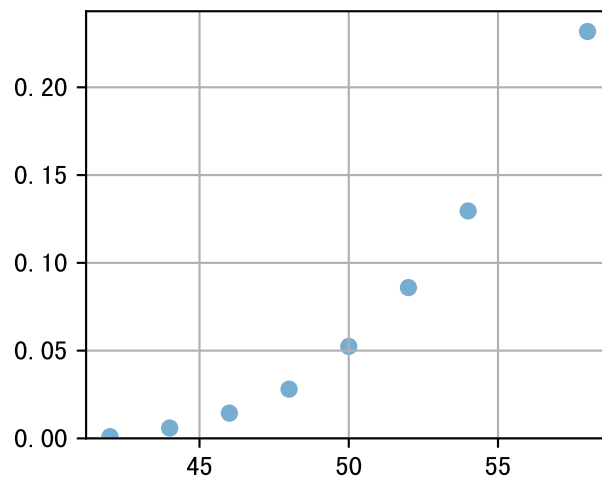
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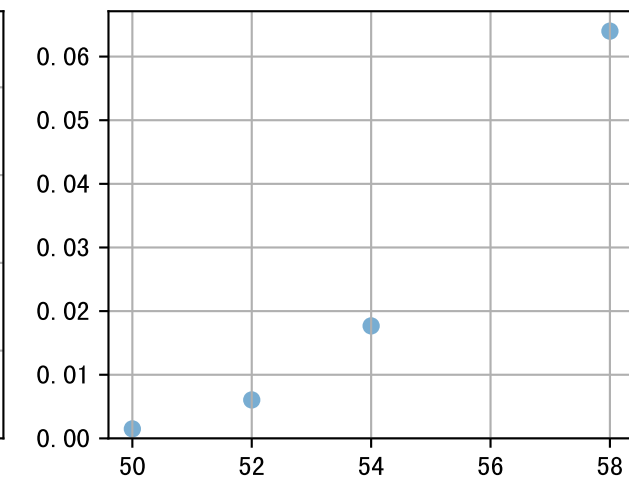
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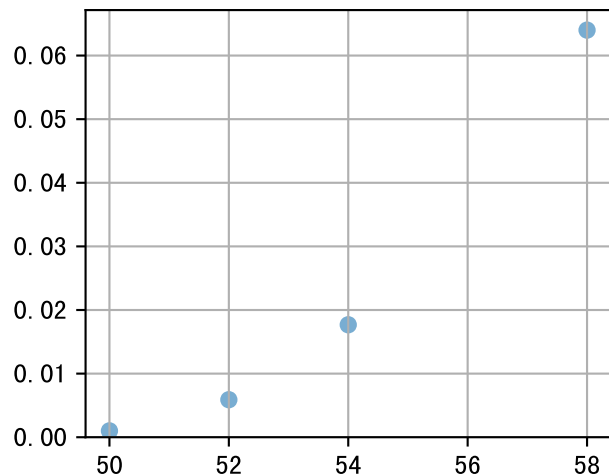
P9AE-089-25T2Fr5 (fit failed)



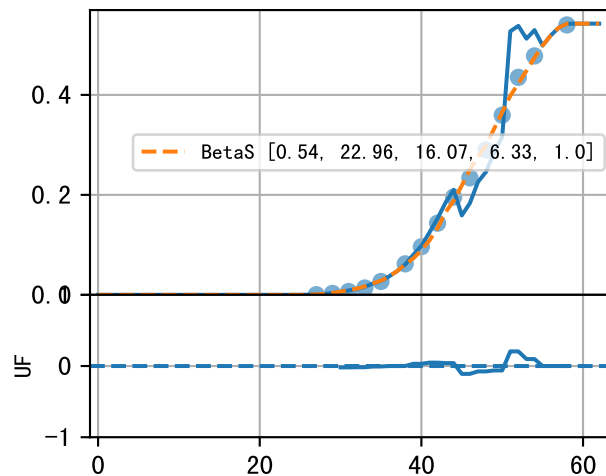
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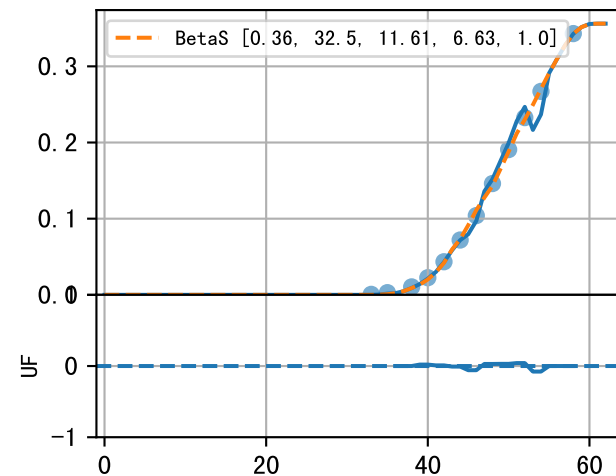
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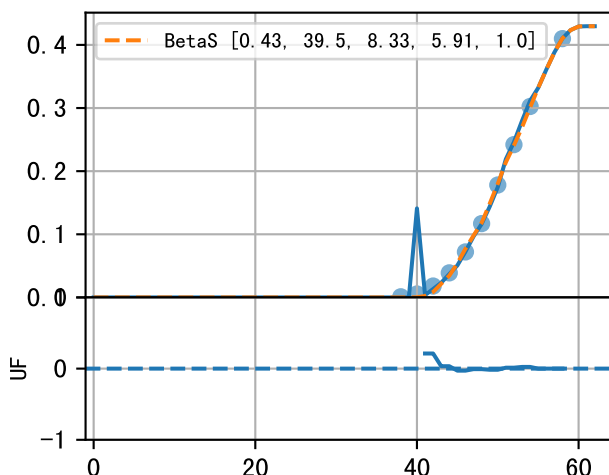
P9AE-100-19T1Fr1



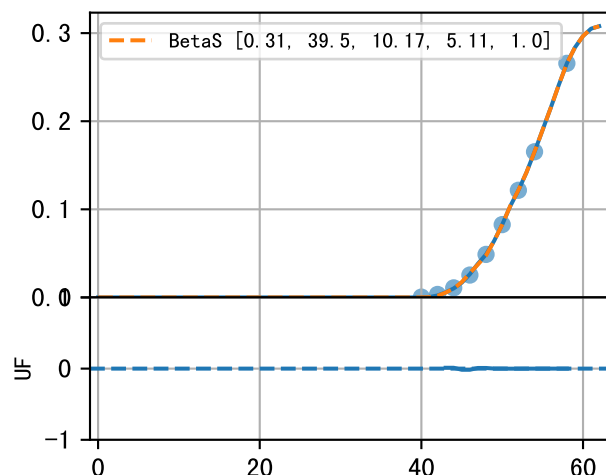
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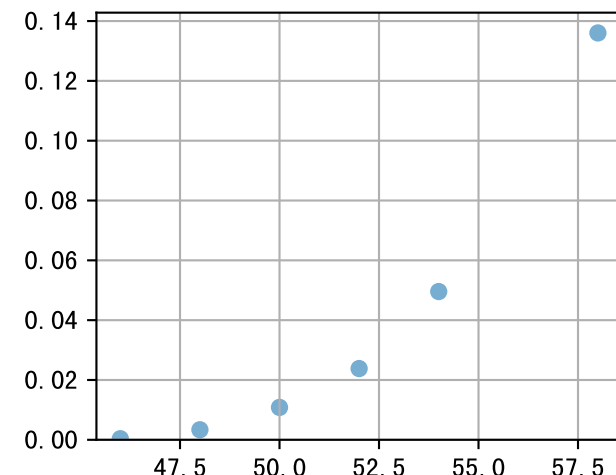
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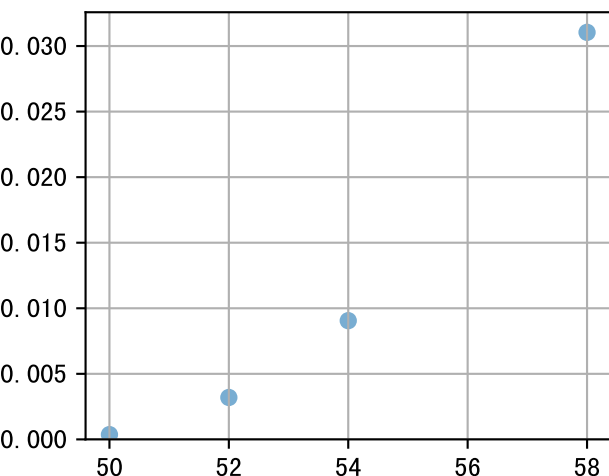
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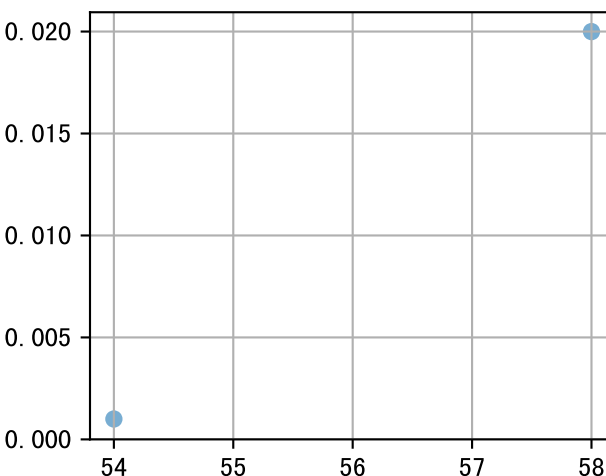
P9AE-100-19T3Fr1 (fit failed)



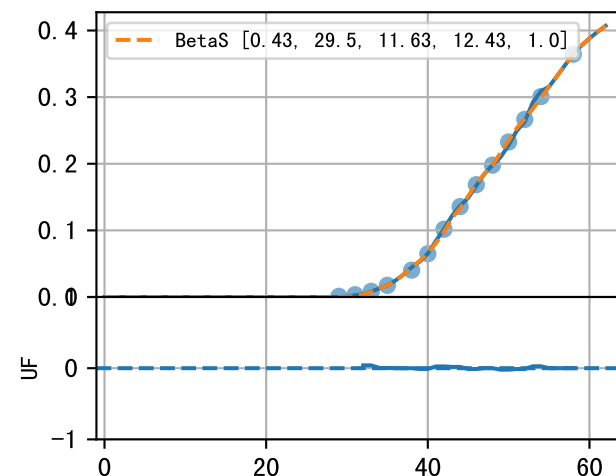
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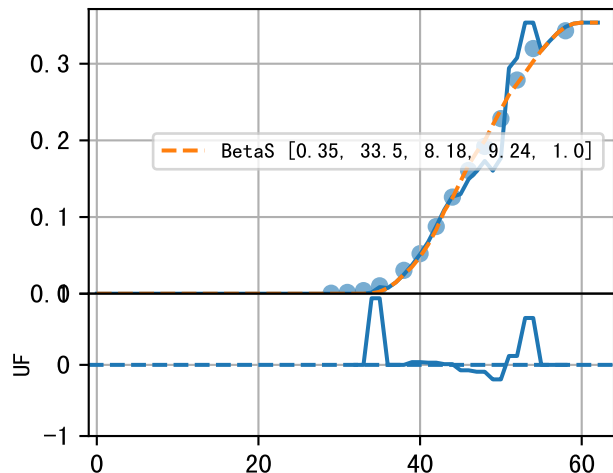
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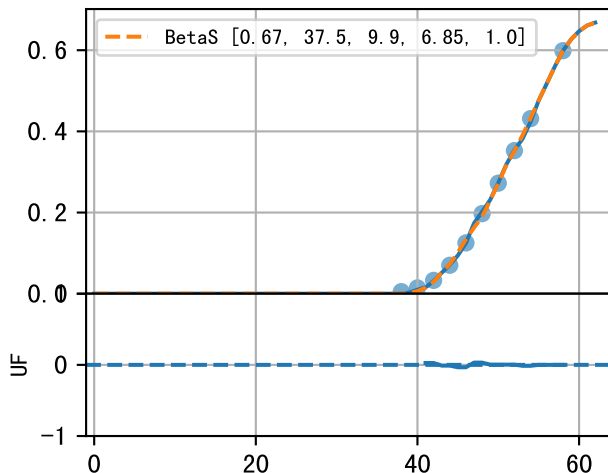
P9AE-111-7T1Fr1



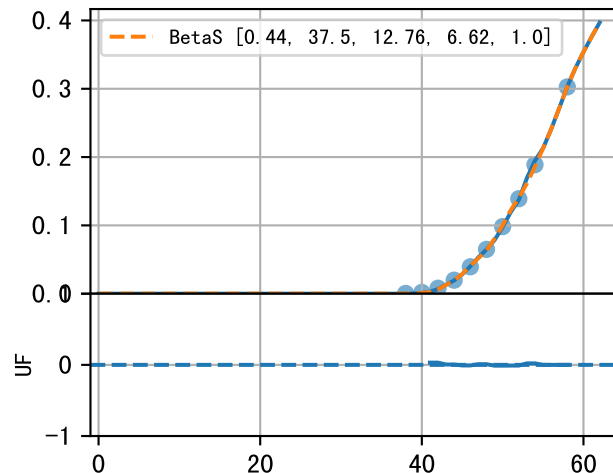
P9AE-111-7T1Fr5



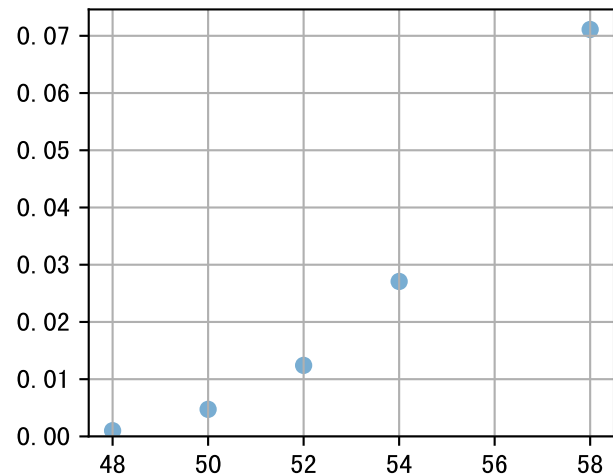
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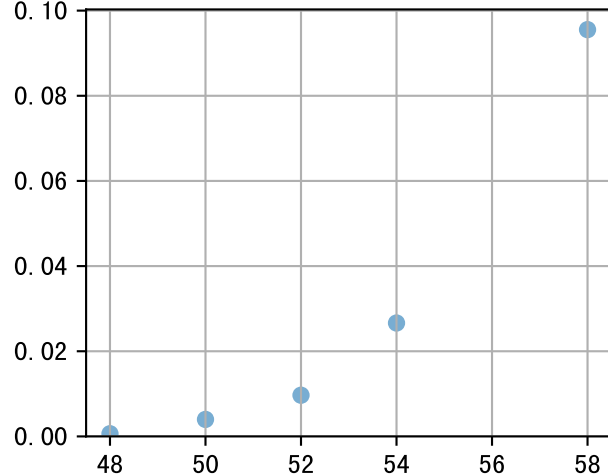
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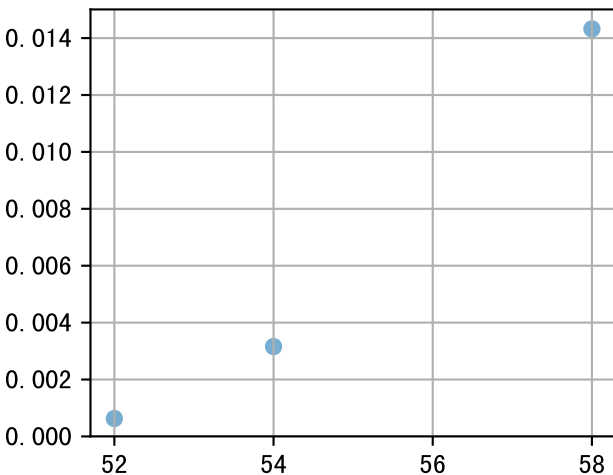
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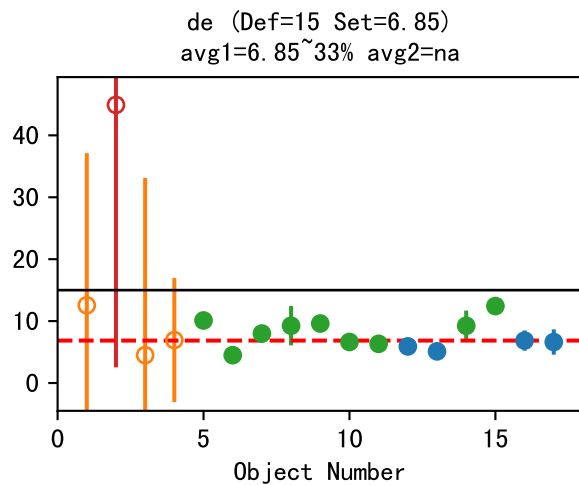
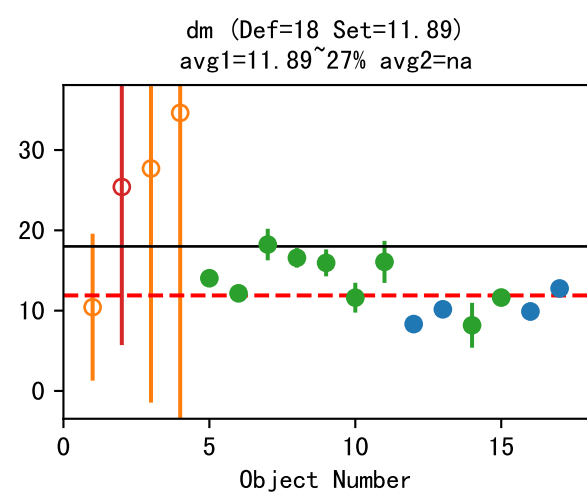
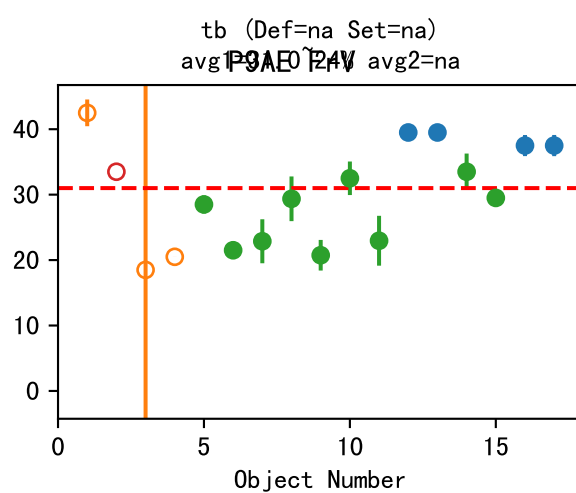
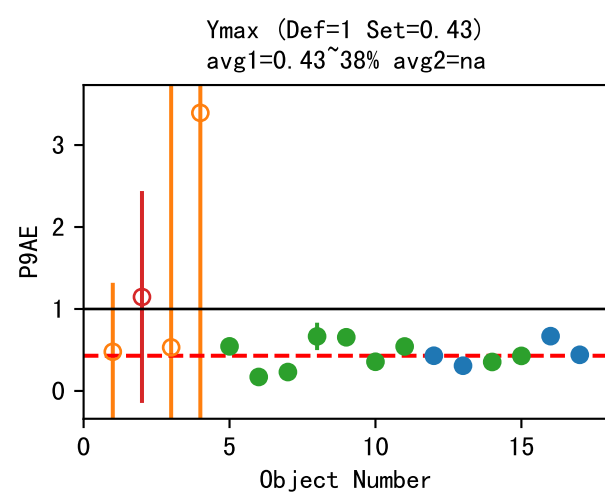


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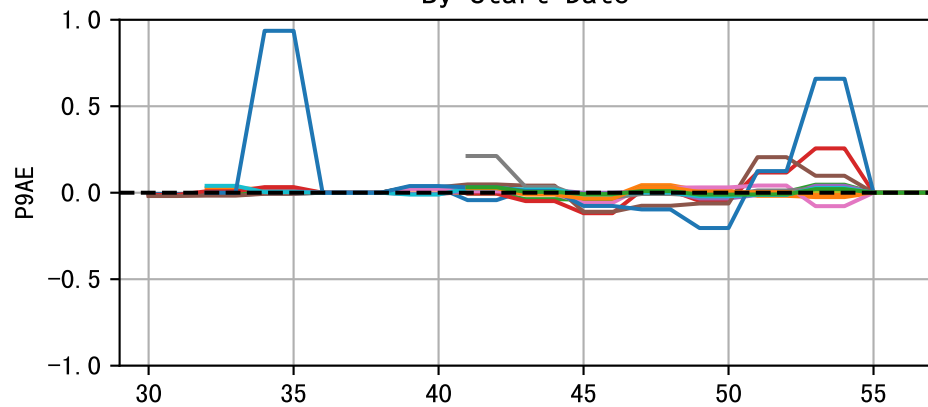


P9AE-111-7T4Fr1 (fit failed)

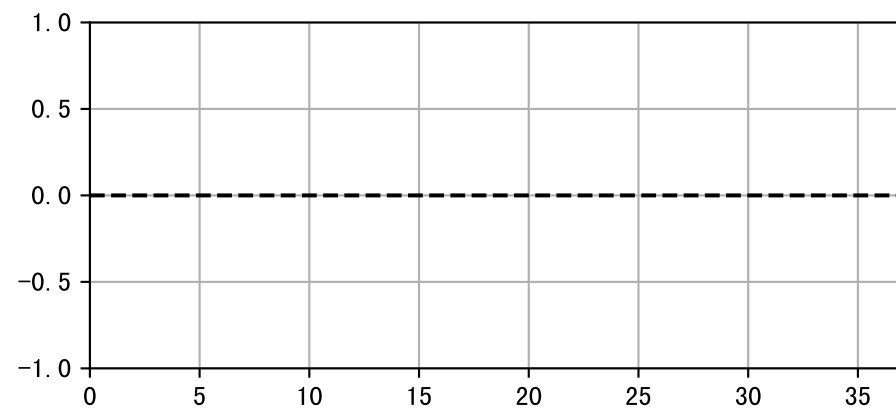
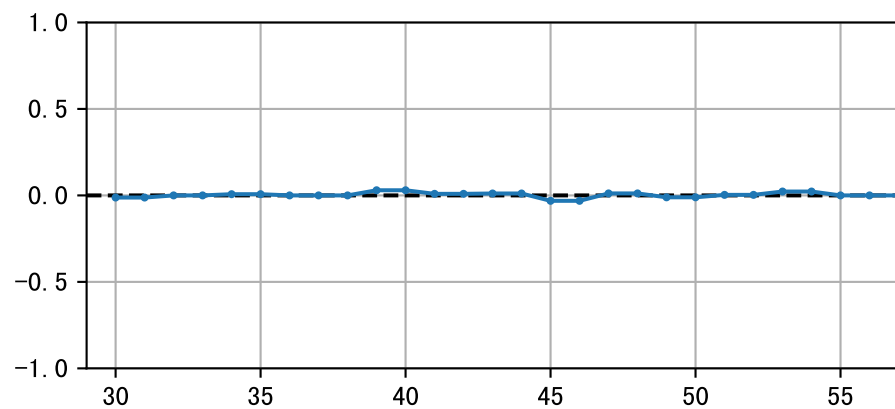
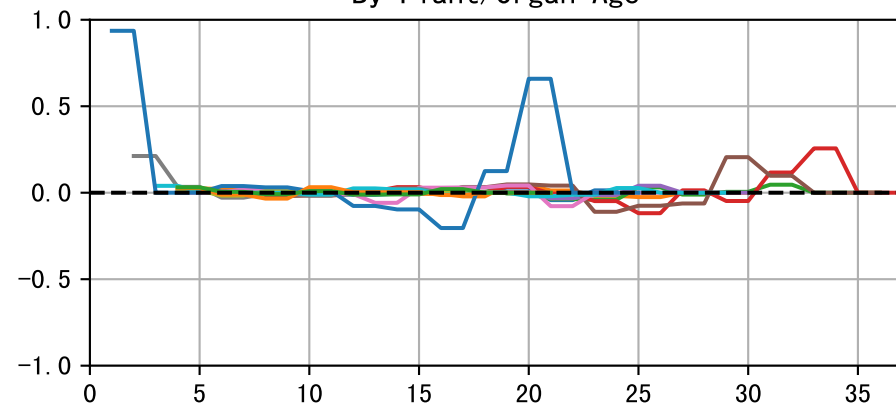




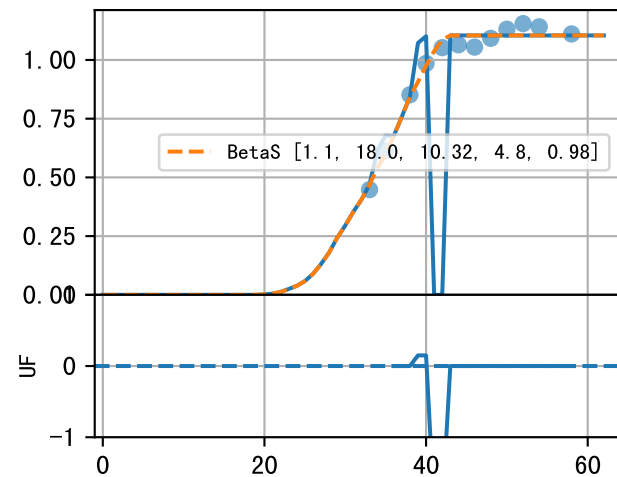
By Start Date



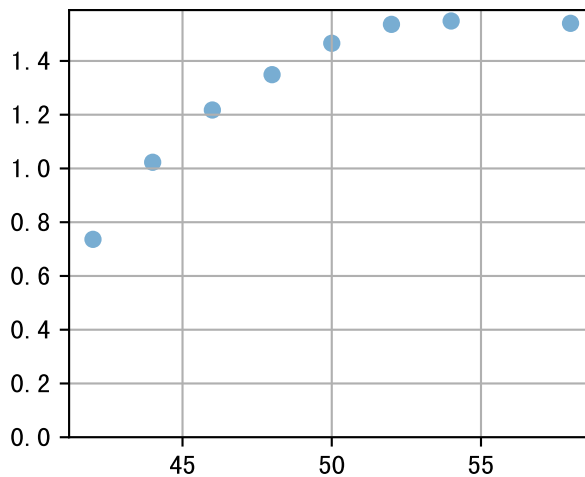
By Plant/Organ Age



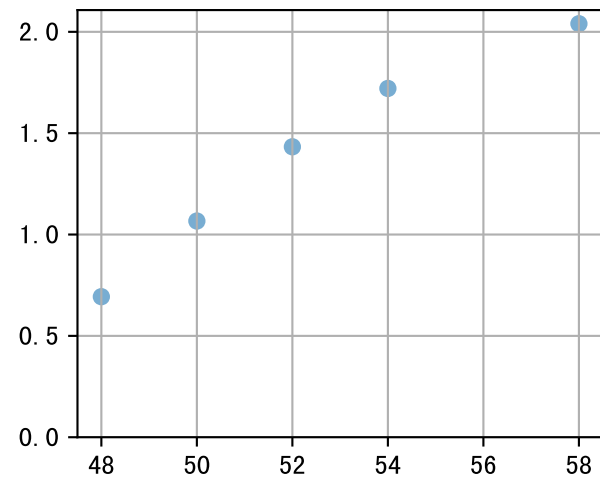
P9AE-065-3L10 (fit failed)



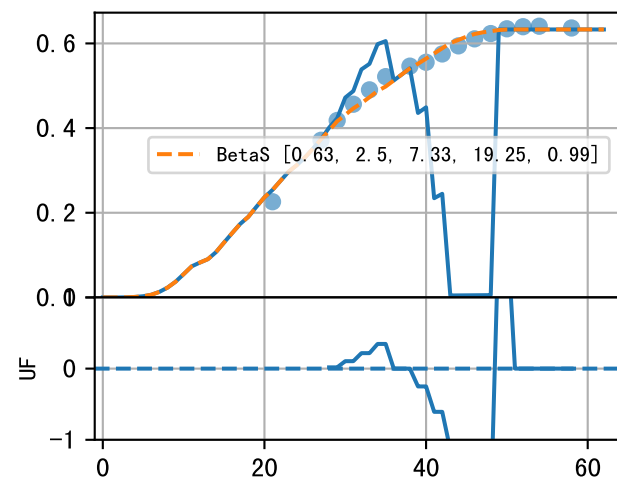
P9AE-065-3L14 (fit failed)



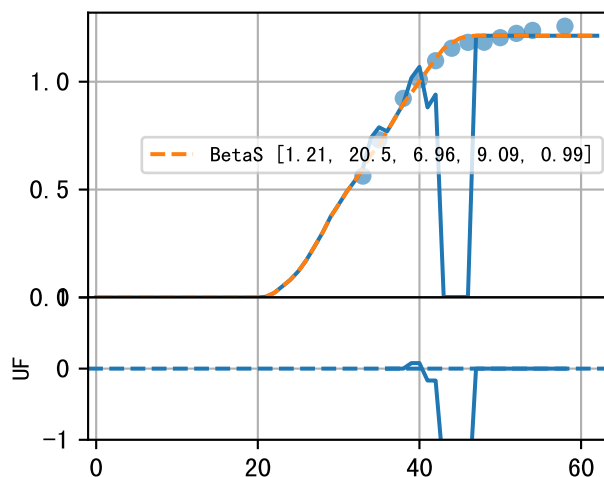
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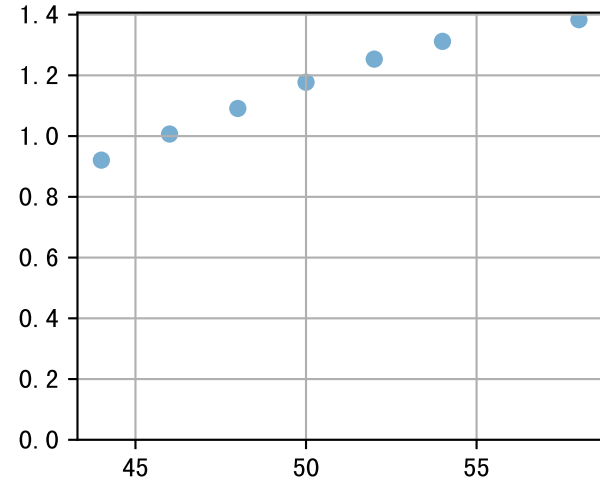
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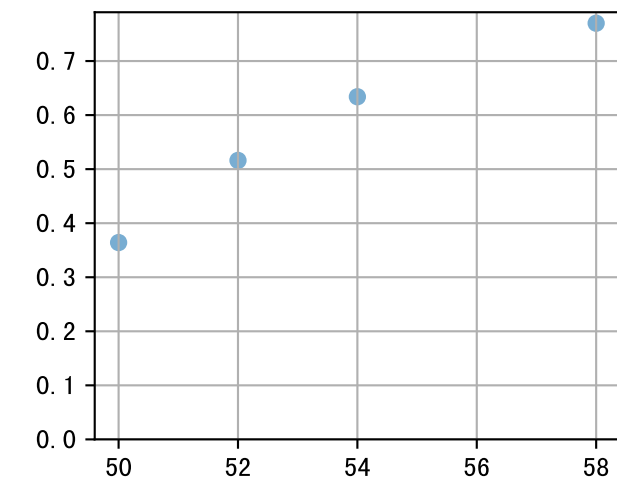
P9AE-077-32L10



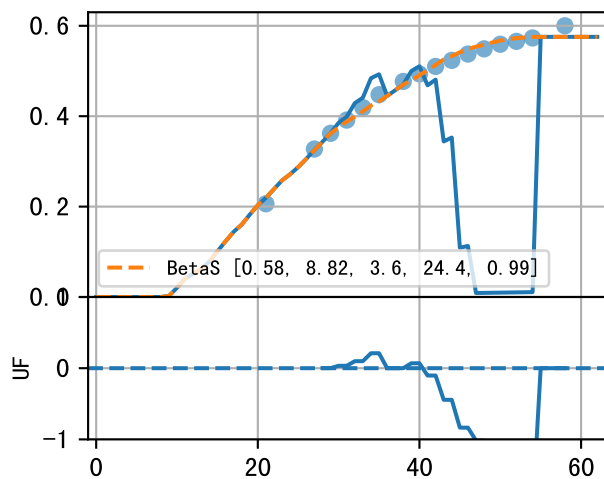
P9AE-077-32L13 (fit failed)



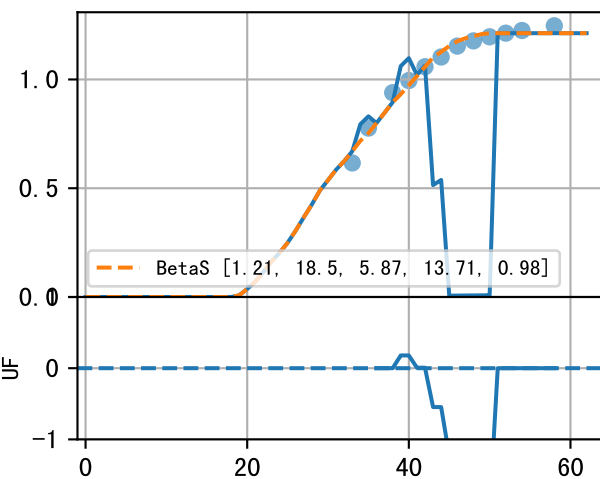
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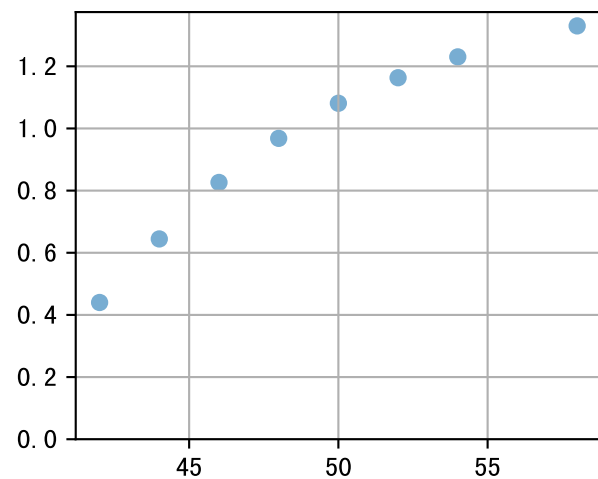
P9AE-077-32L7



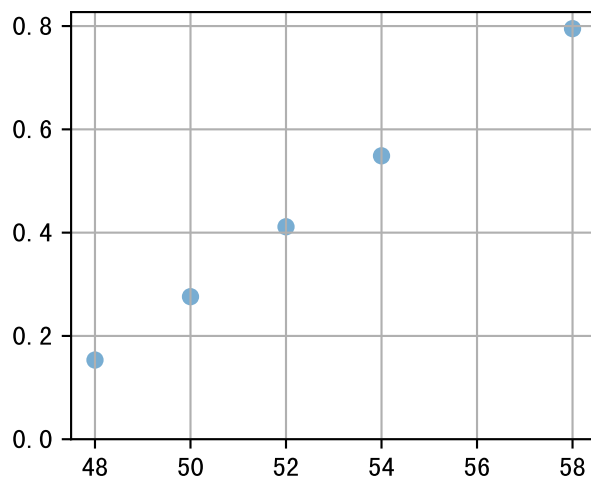
P9AE-089-25L10



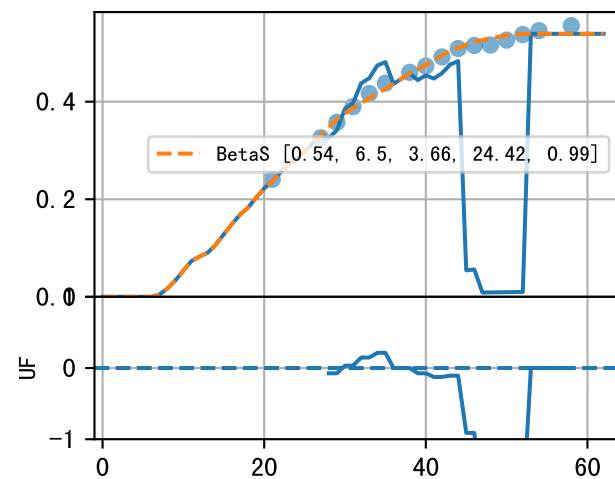
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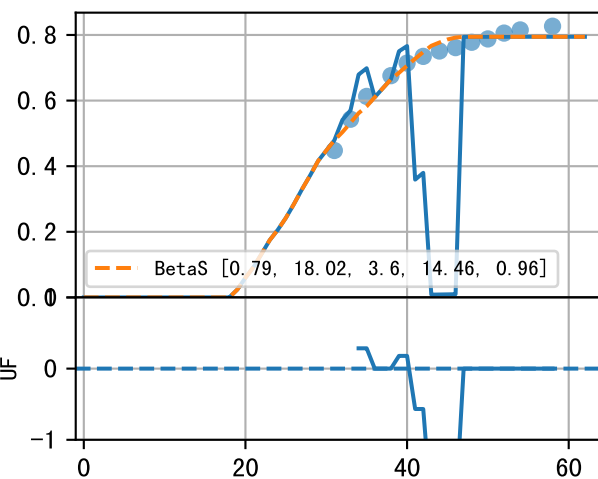
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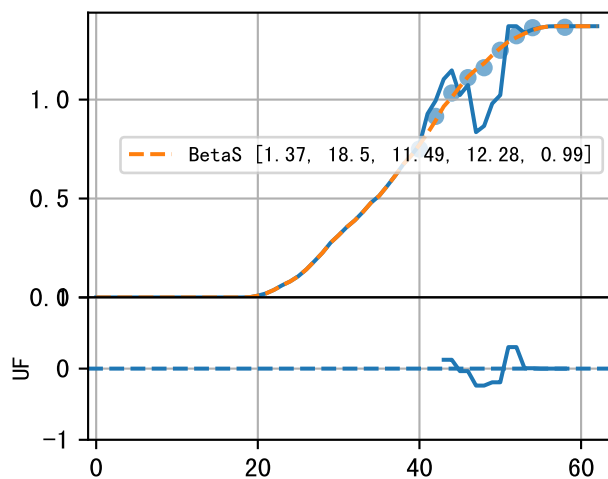
P9AE-089-25L7 (fit failed)



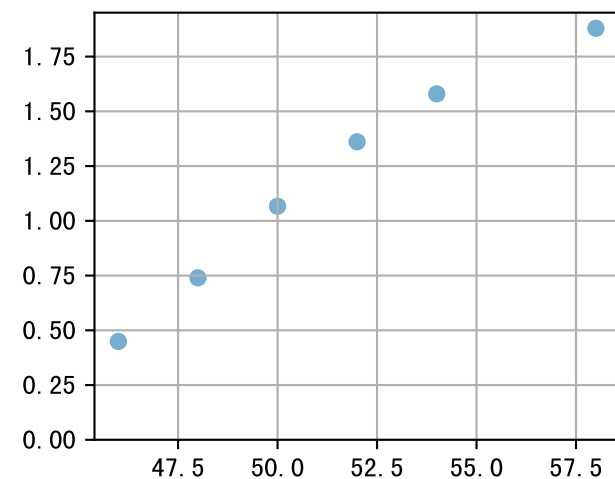
P9AE-100-19L10 (fit failed)



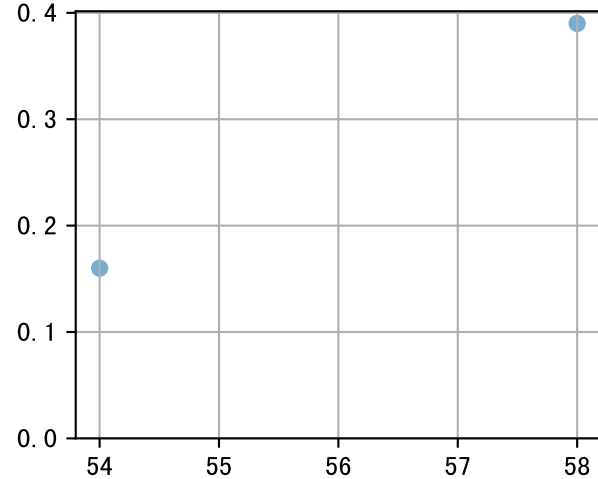
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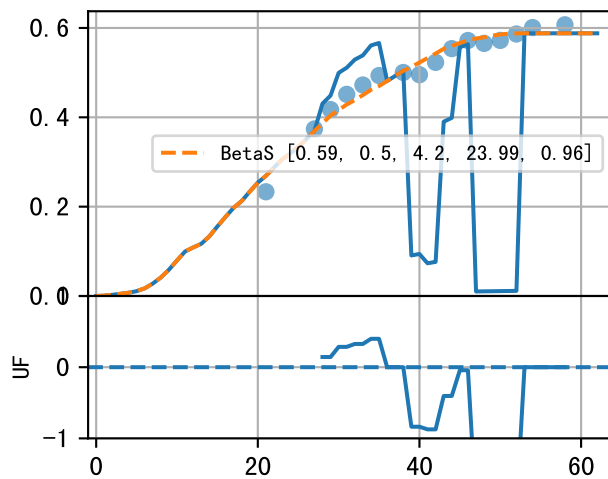
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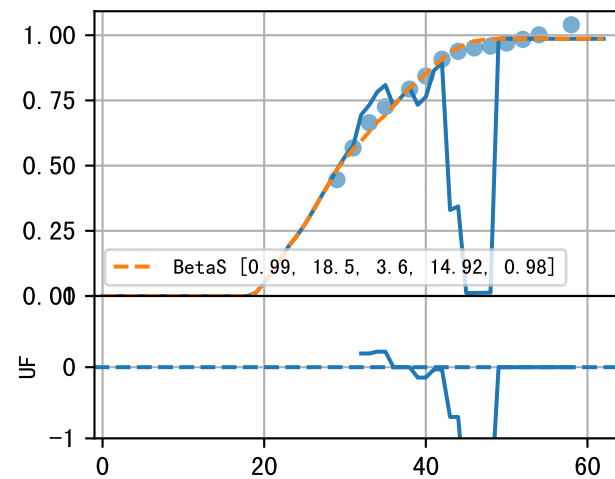
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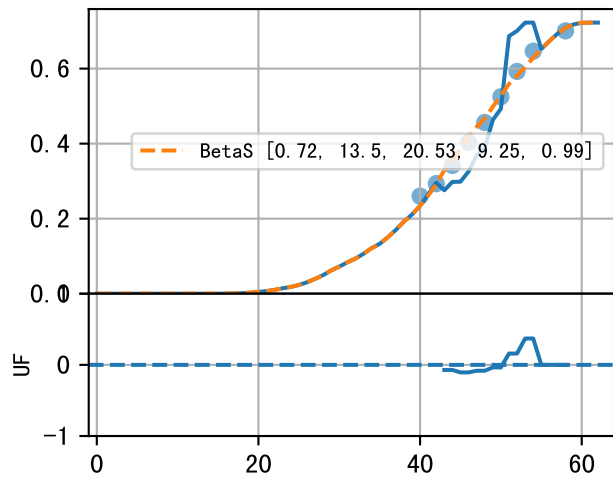
P9AE-100-19L7 (fit failed)



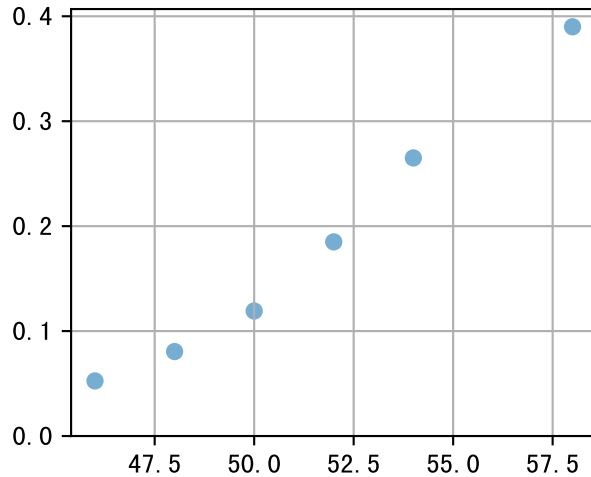
P9AE-111-7L10



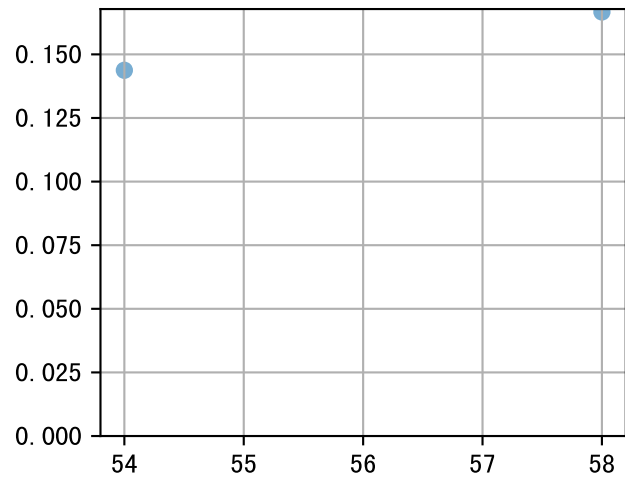
P9AE-111-7L14 (fit failed)



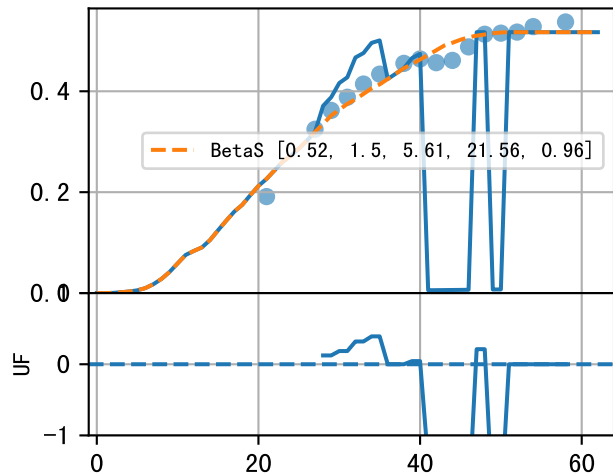
P9AE-111-7L17 (fit failed)

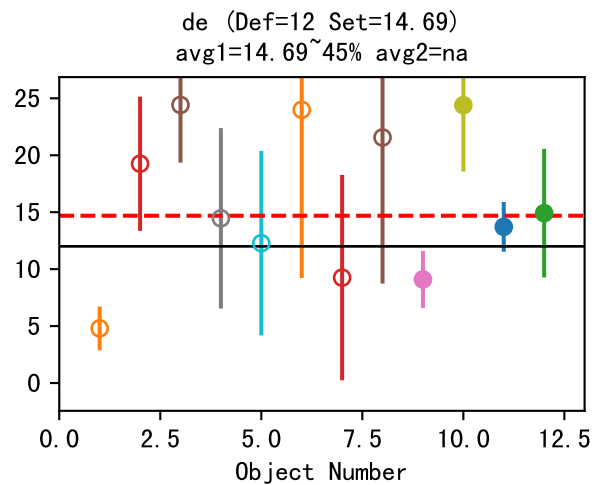
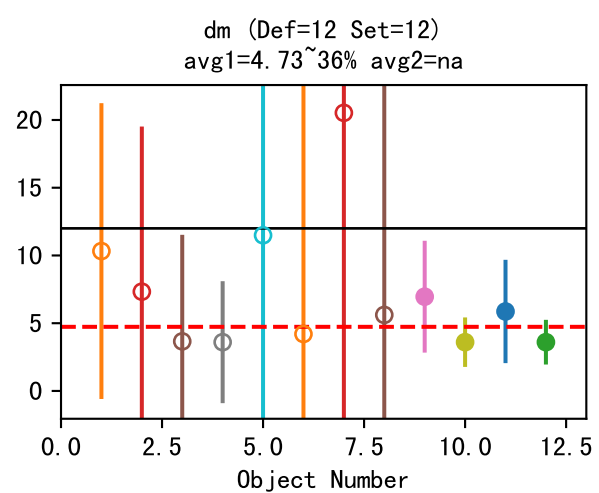
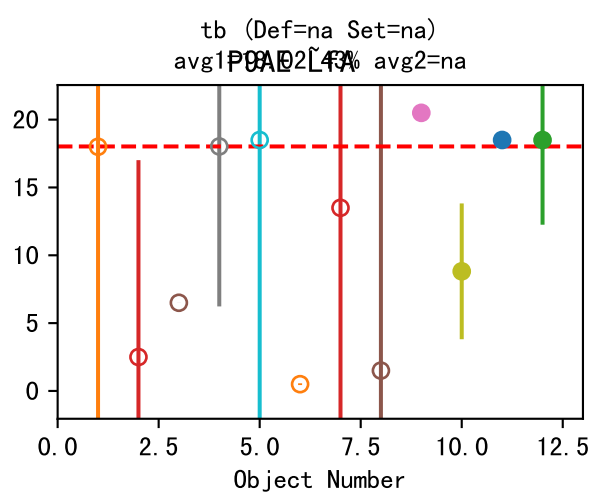
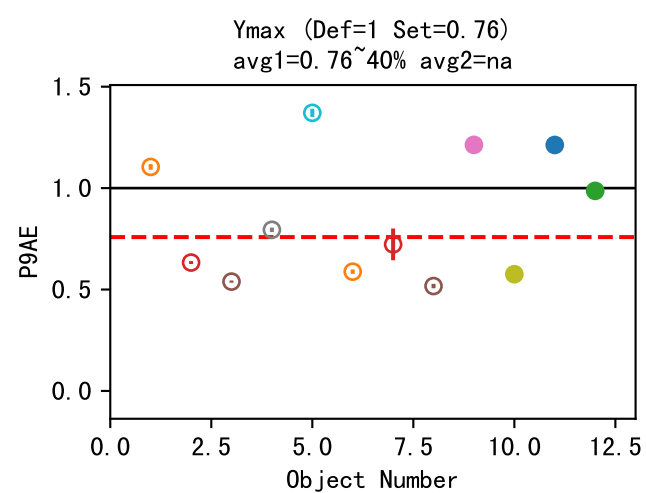


P9AE-111-7L20 (fit failed)

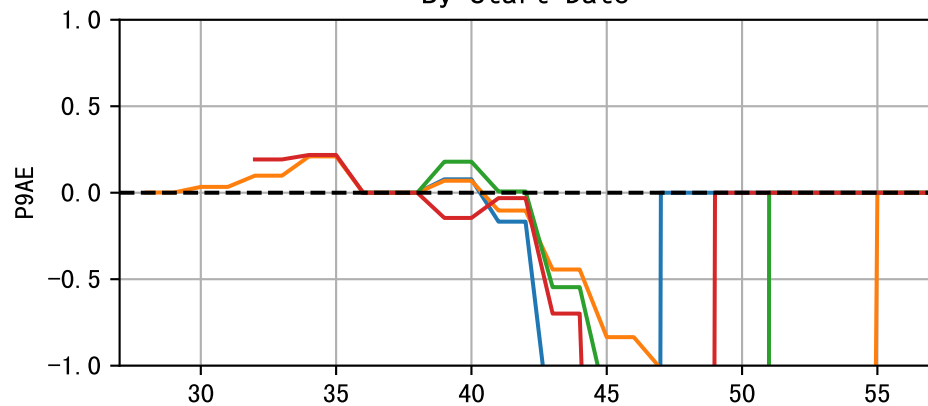


P9AE-111-7L7 (fit failed)

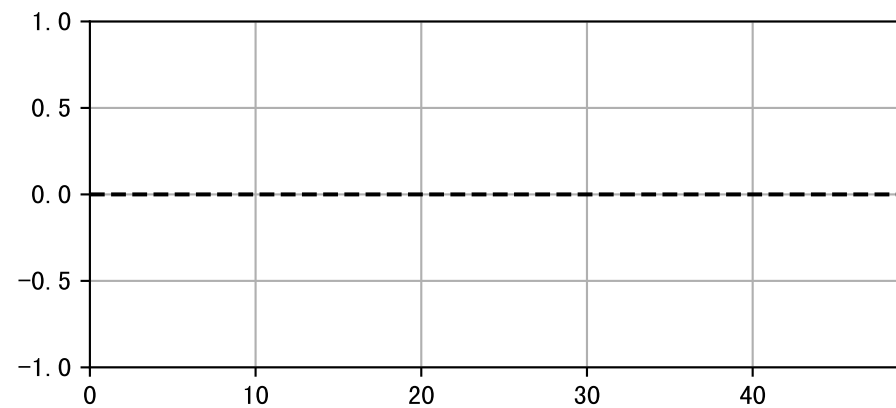
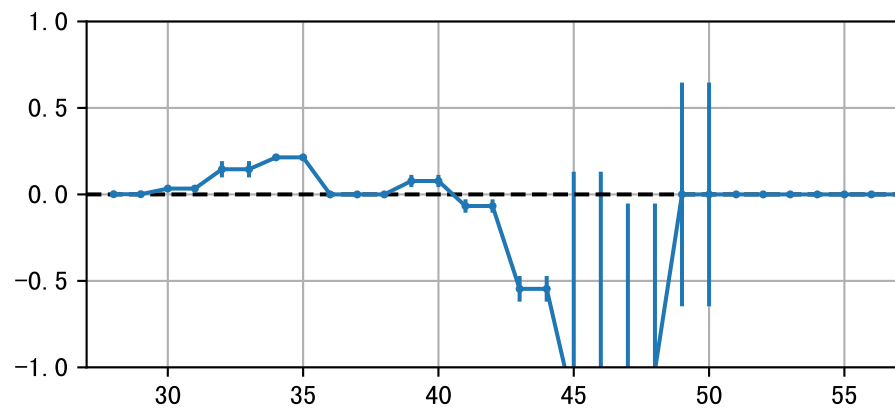
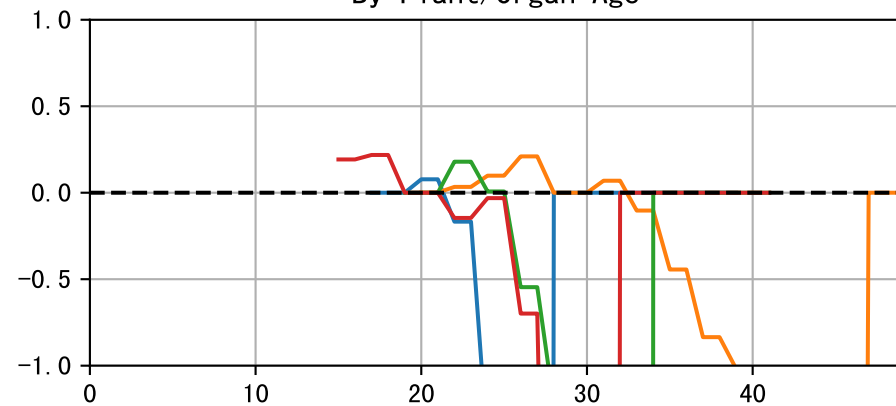


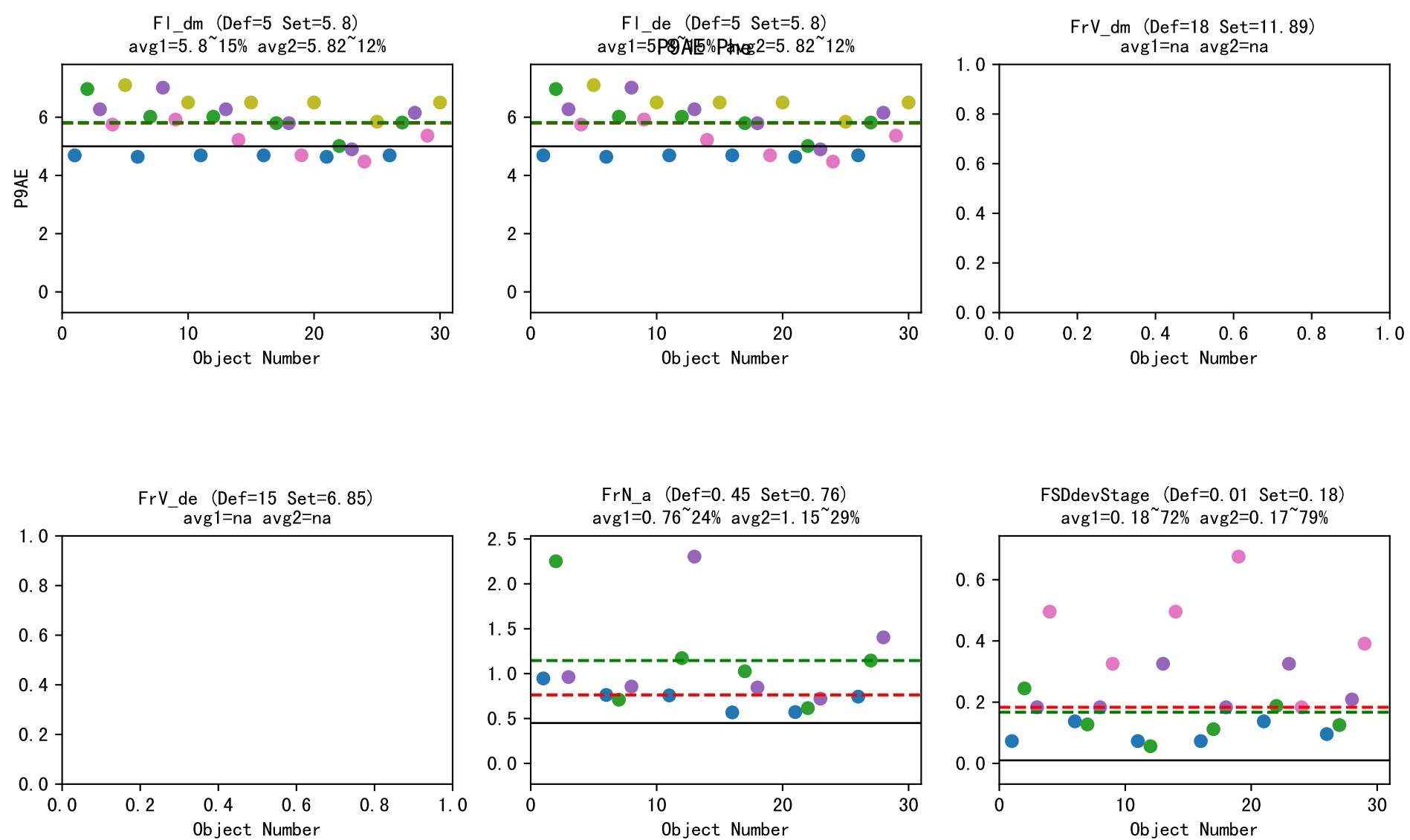


By Start Date

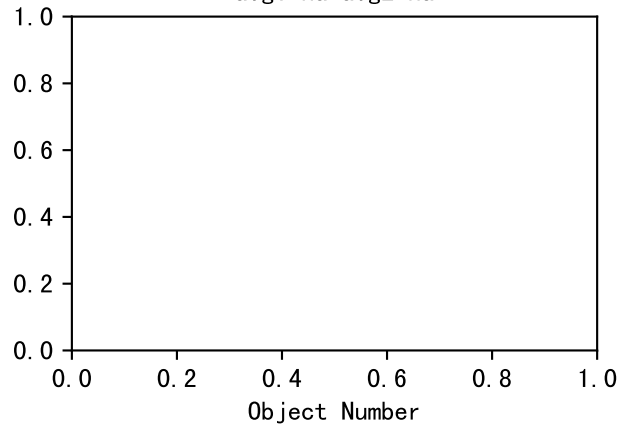


By Plant/Organ Age

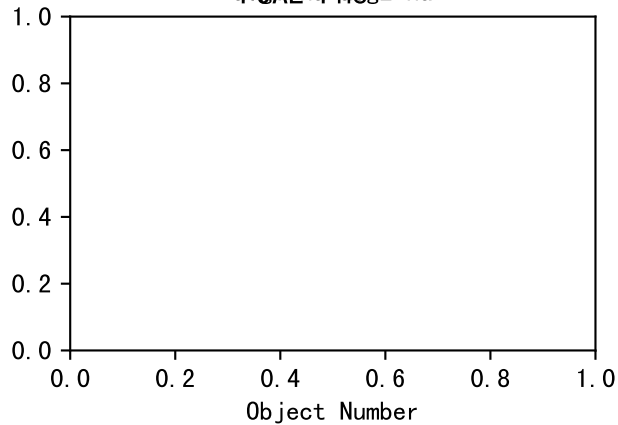




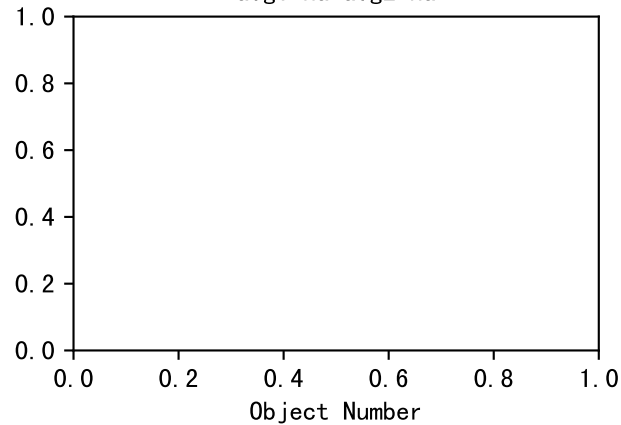
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



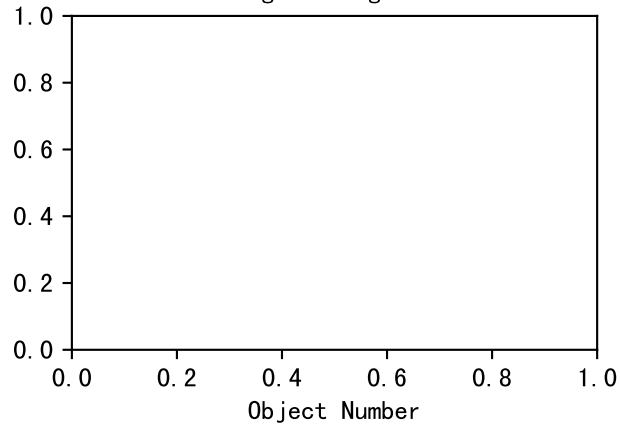
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



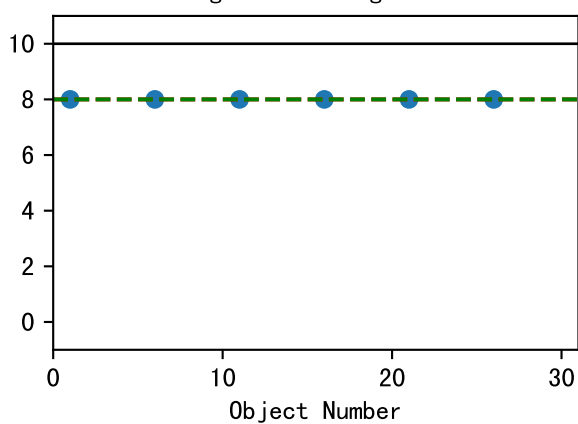
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

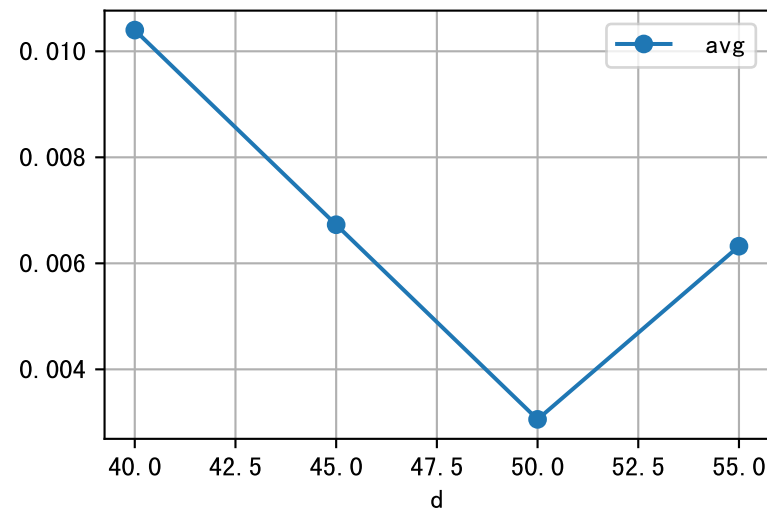


NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=8.0

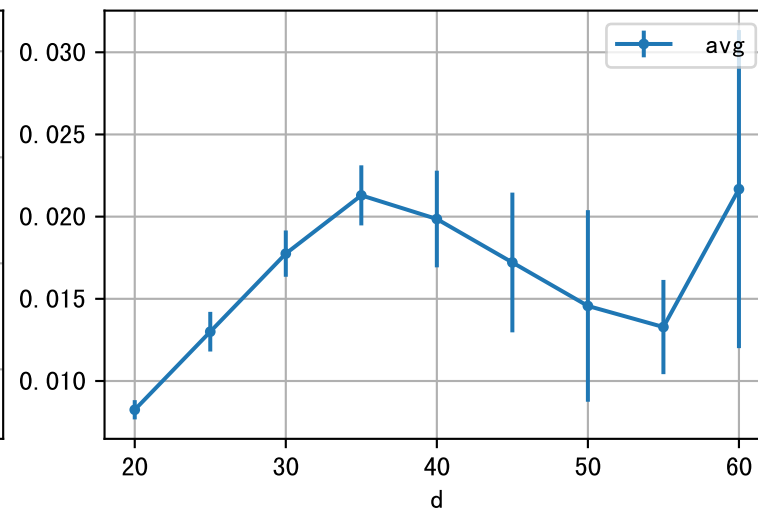


LfA: avg vs. d at each age group

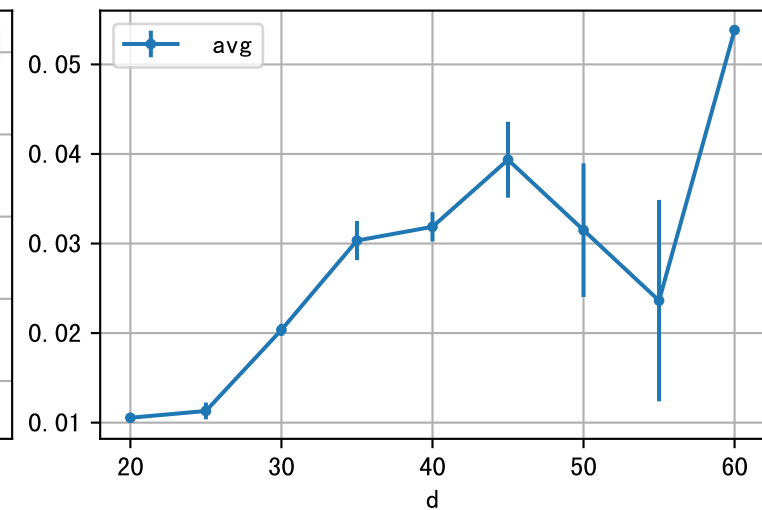
age=15



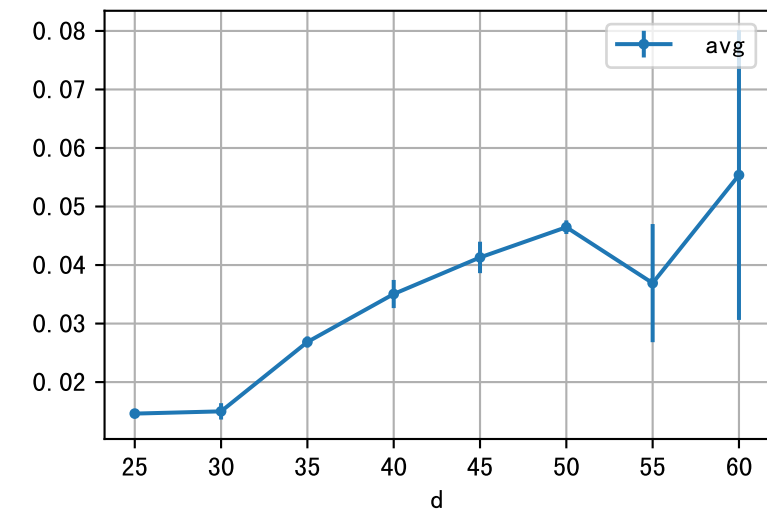
age=20



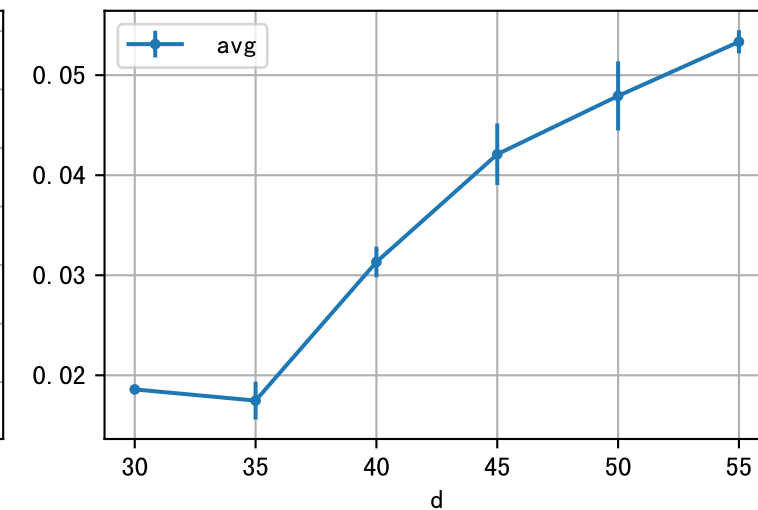
age=25



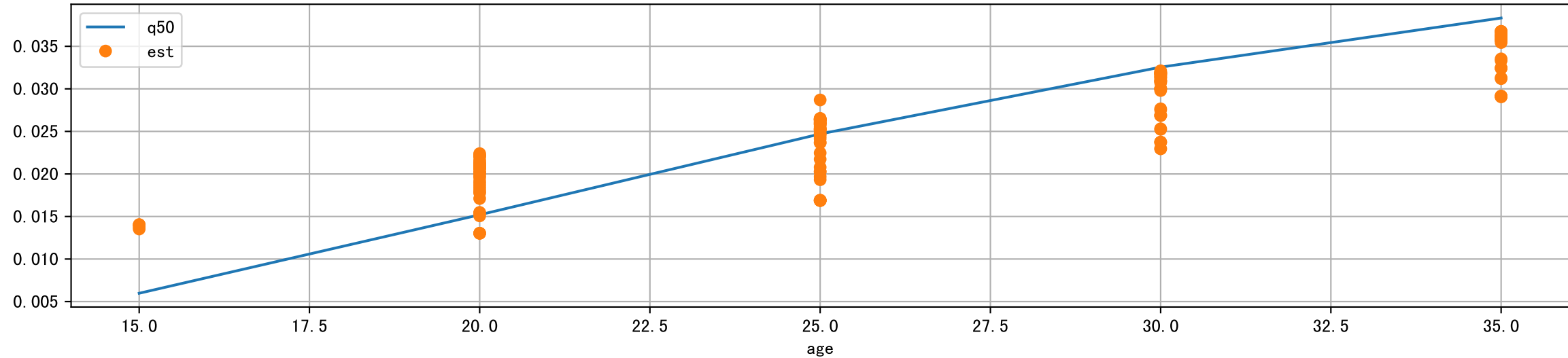
age=30



age=35

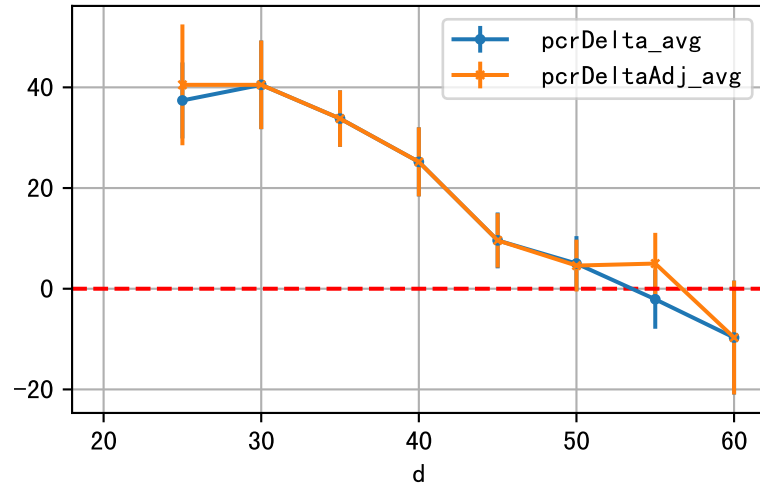


LfA: model est vs obs0v@Q50

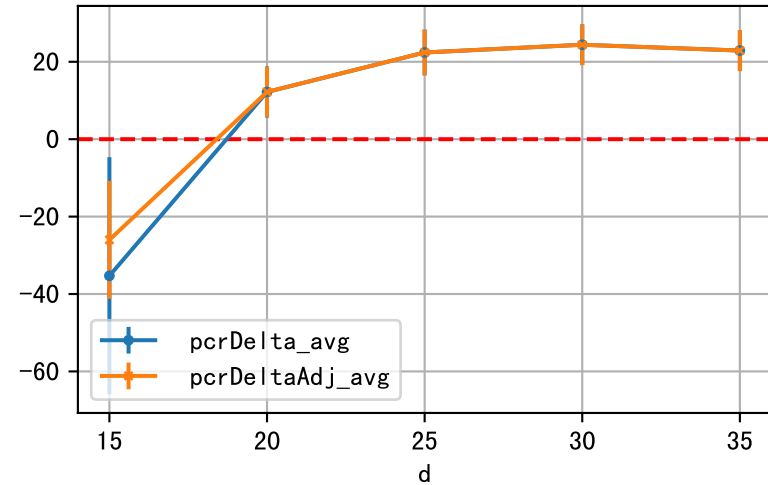


P9AE LfA: D_5d_LfA

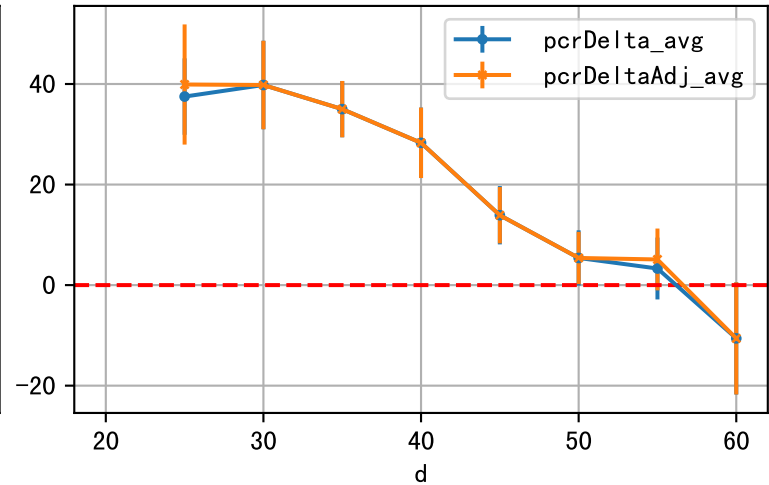
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

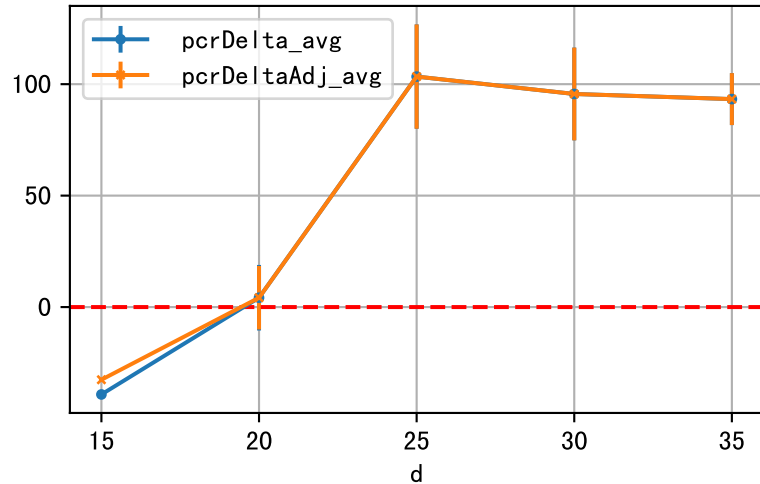


DeltaTypeAbbr=Wei AvgByD

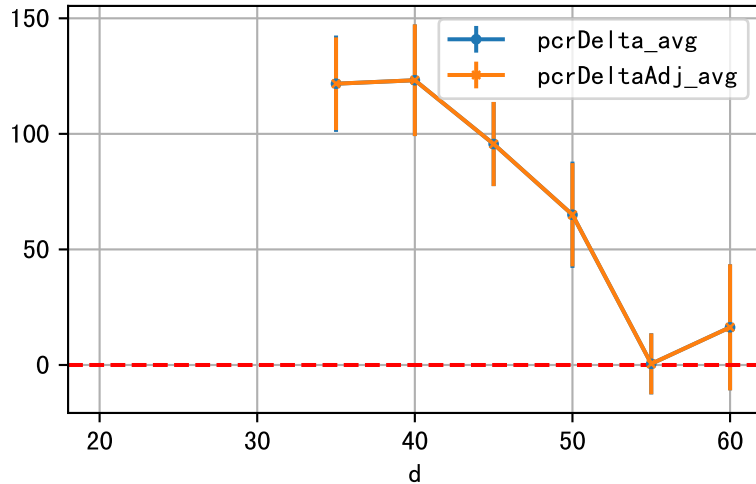


P9AE LfA: D_15d_LfA

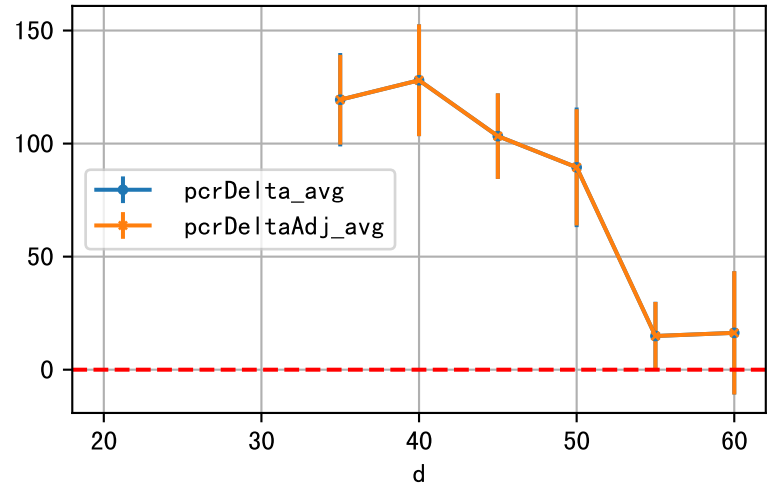
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

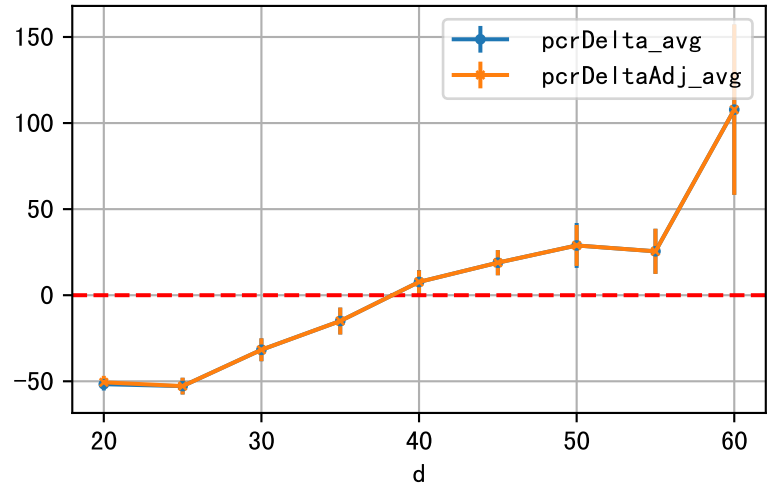
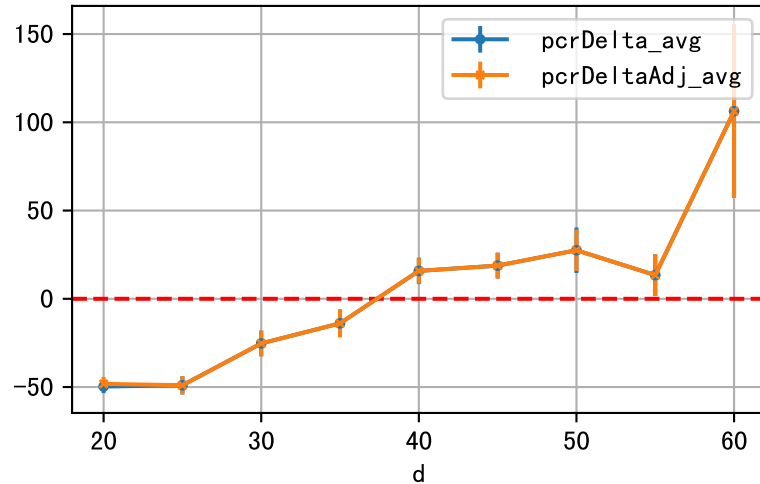
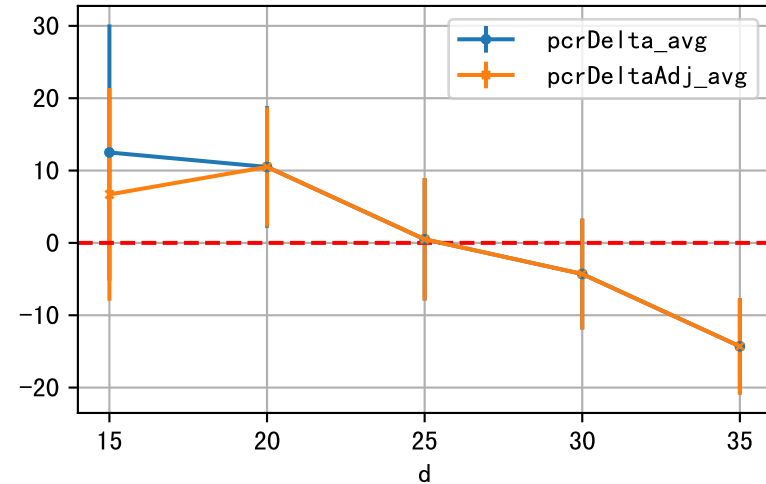


P9AE LfA: D_Q50_LfA

DeltaTypeAbbr=GrpByAge

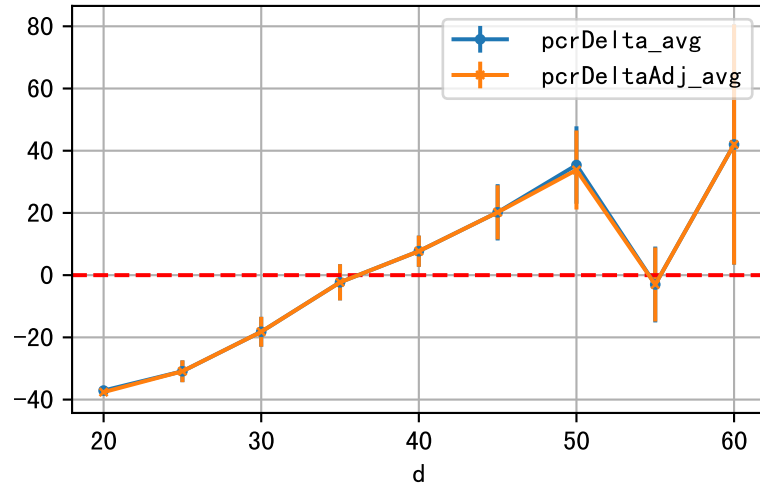
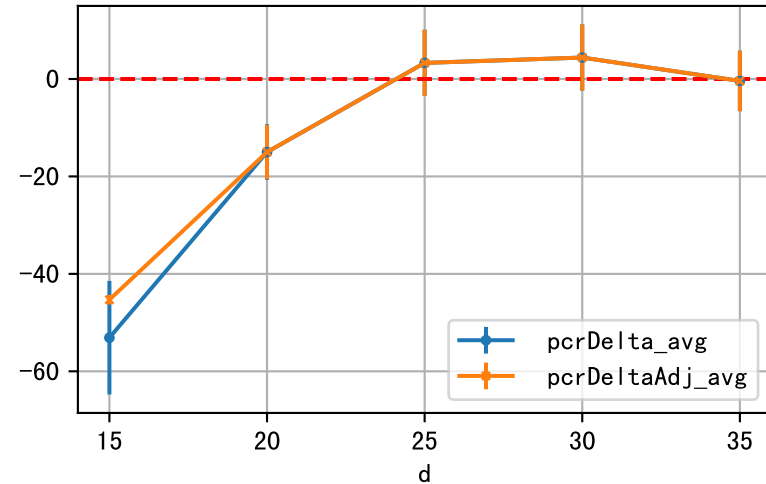
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

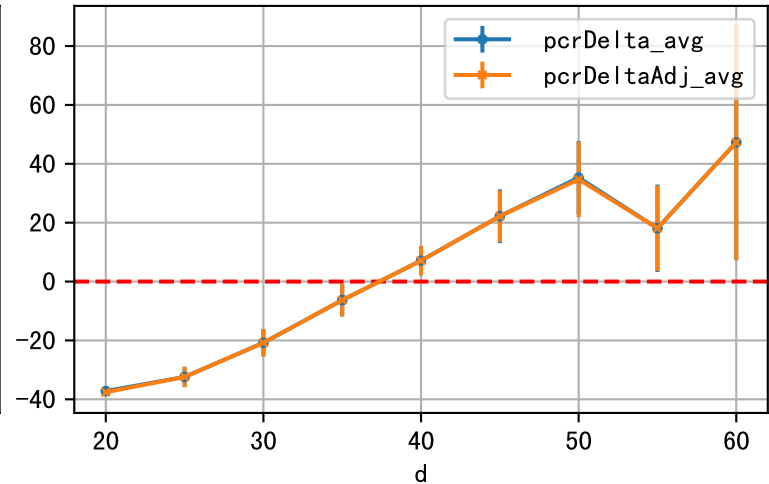


P9AE LfA: D_Est_LfA

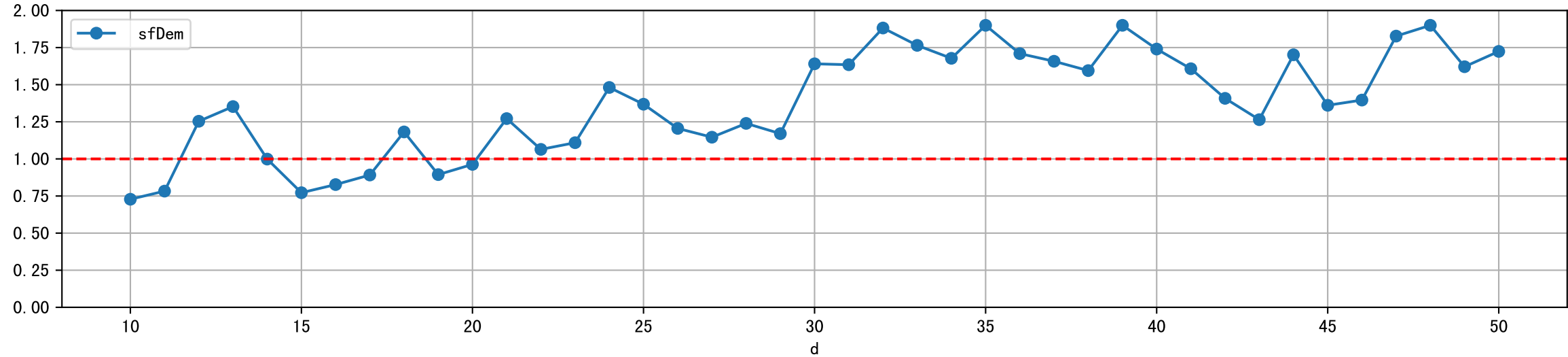
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD



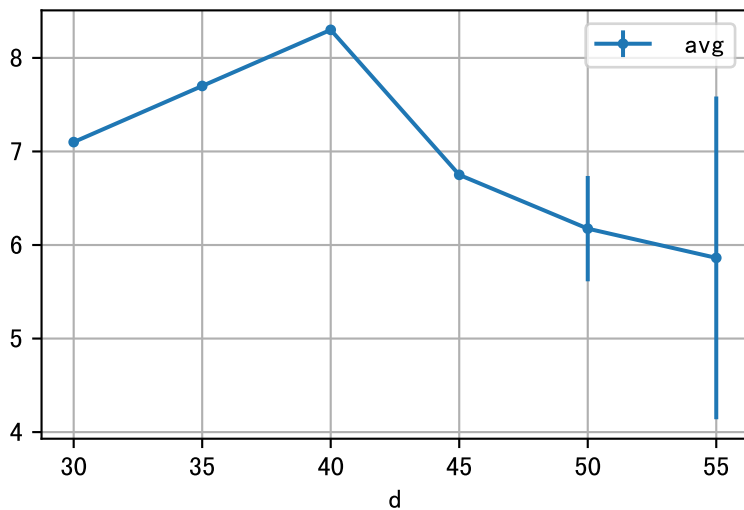
LfA: sfDem



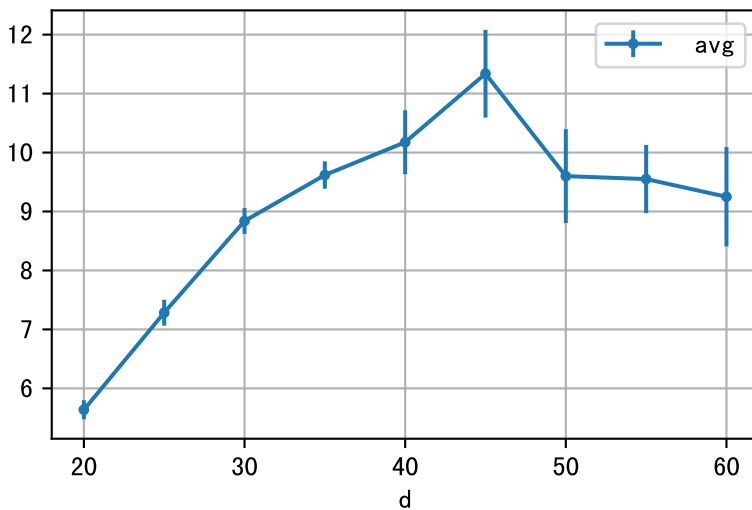


NdD: avg vs. d at each age group

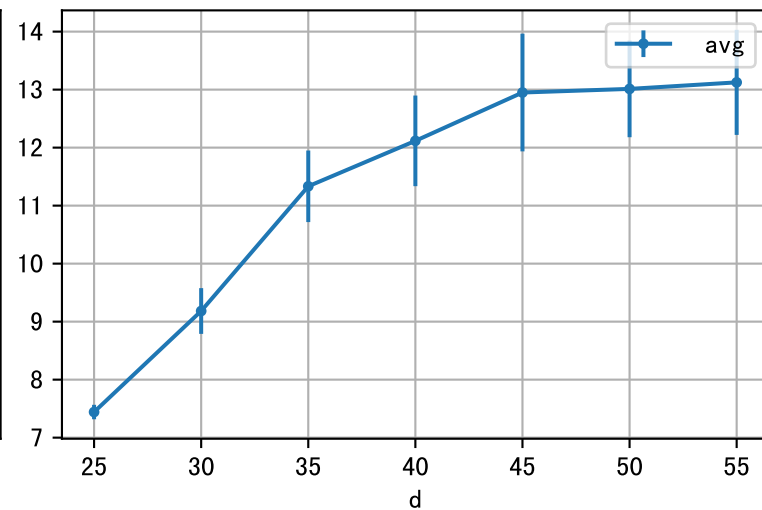
age=15



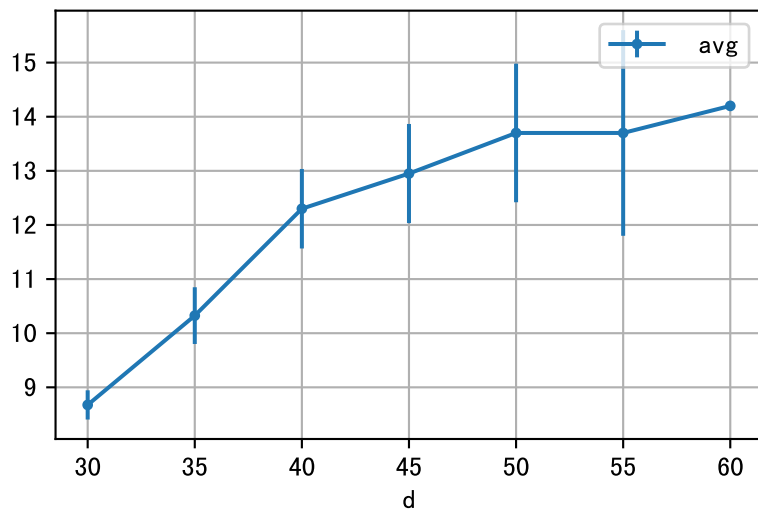
age=20



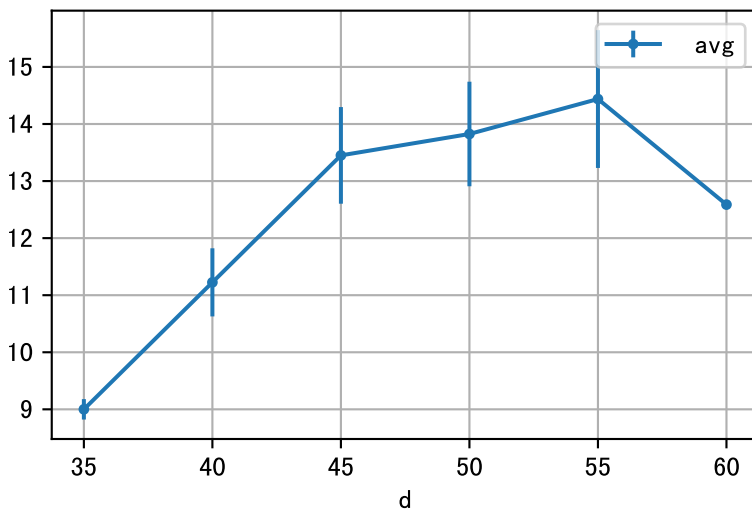
age=25



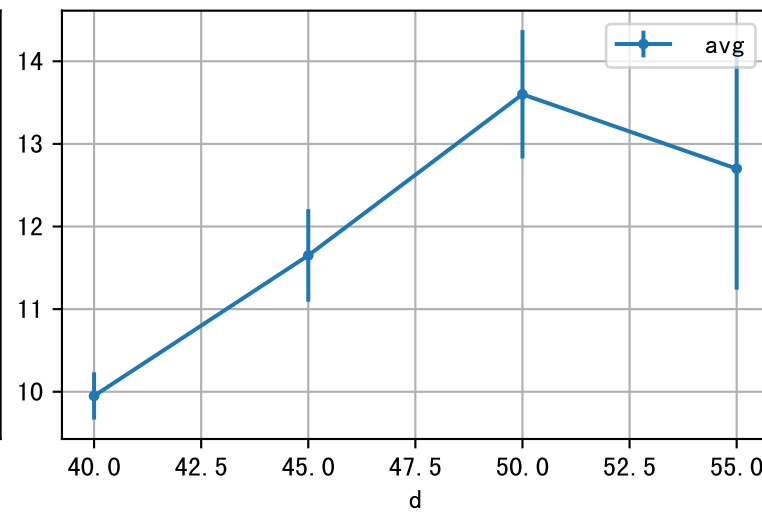
age=30



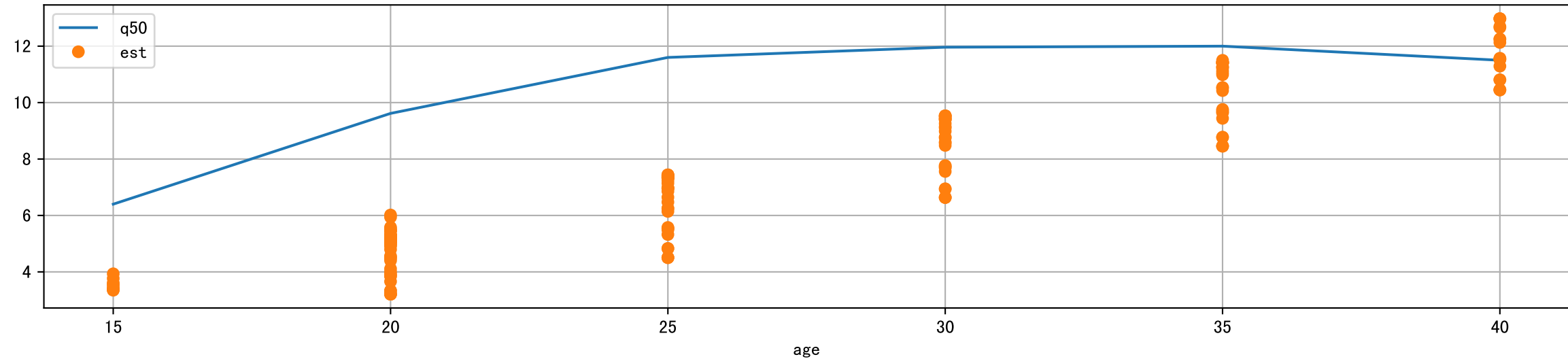
age=35



age=40

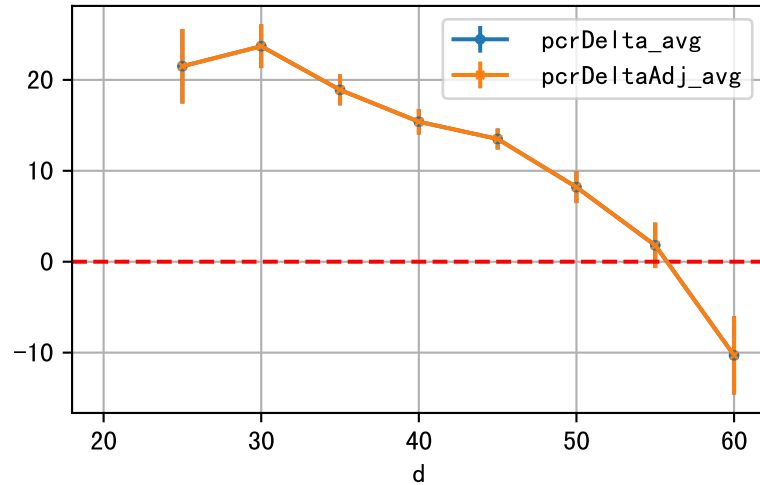


NdD: model est vs obs0v@Q50

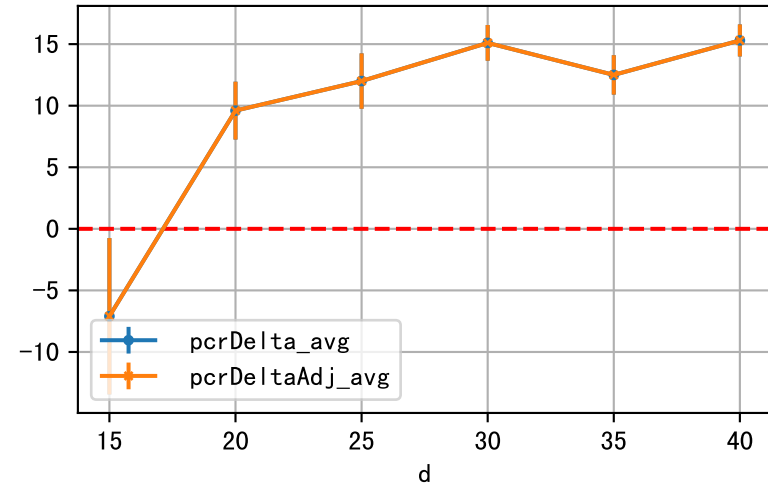


P9AE NdD: D_5d_NdD

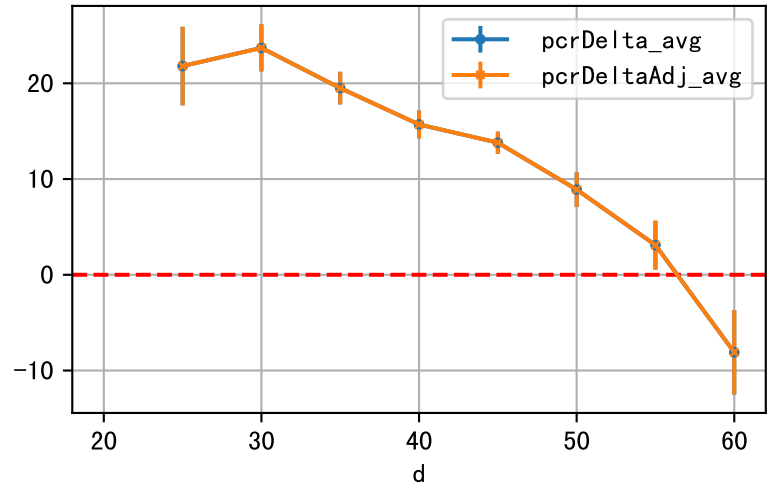
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=GrpByAge

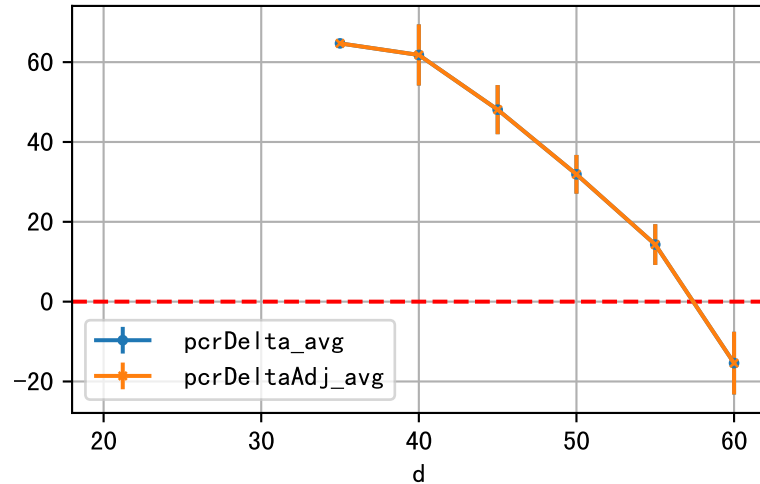


DeltaTypeAbbr=WeiAvgByD

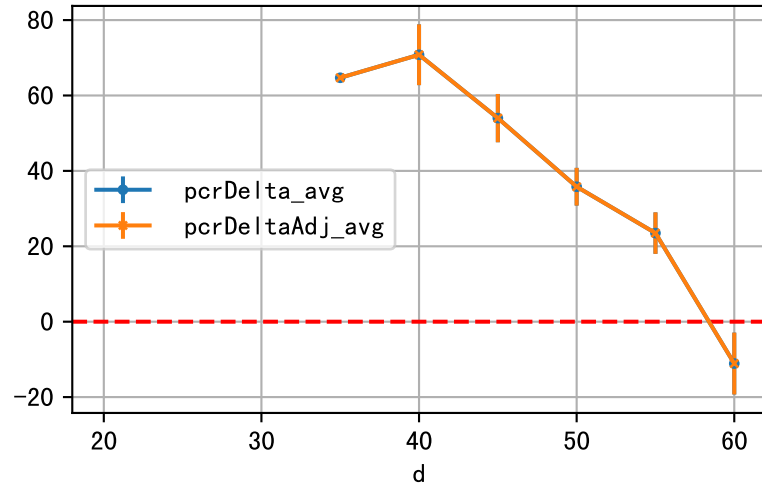


P9AE NdD: D_15d_NdD

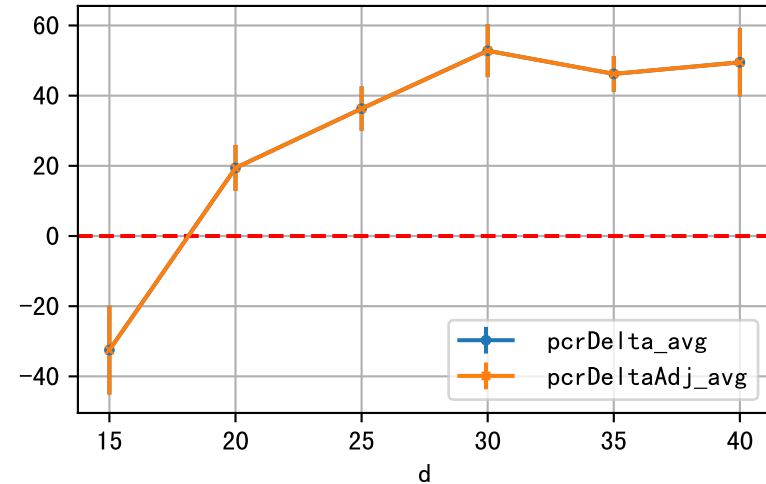
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

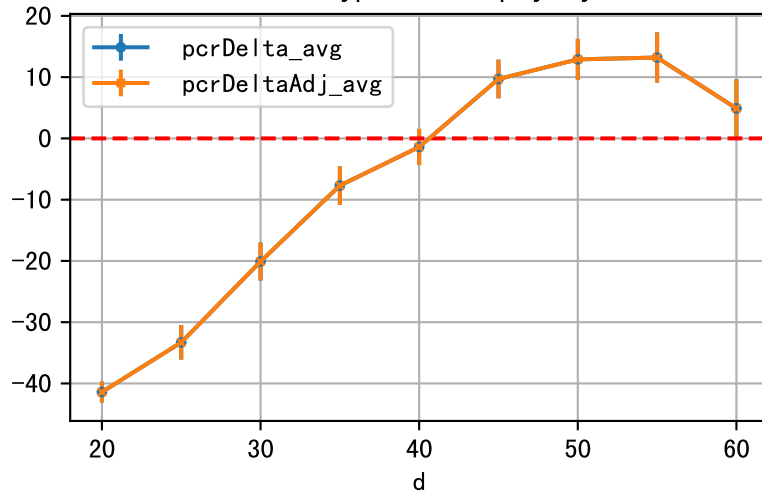


DeltaTypeAbbr=GrpByAge

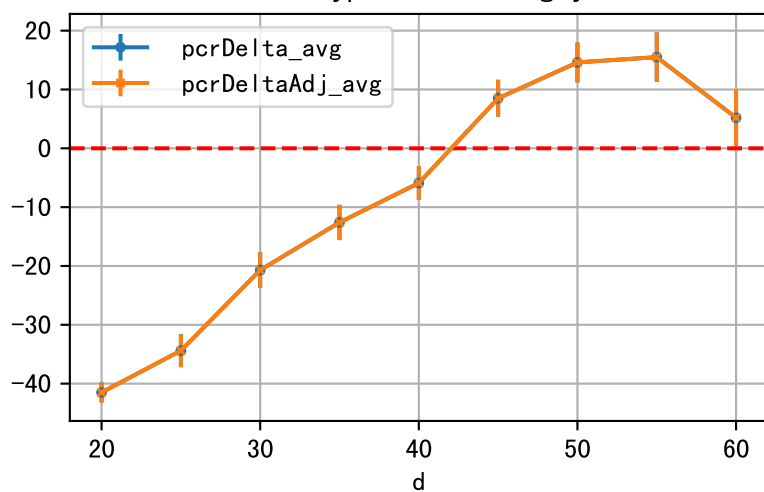


P9AE NdD: D_Q50_NdD

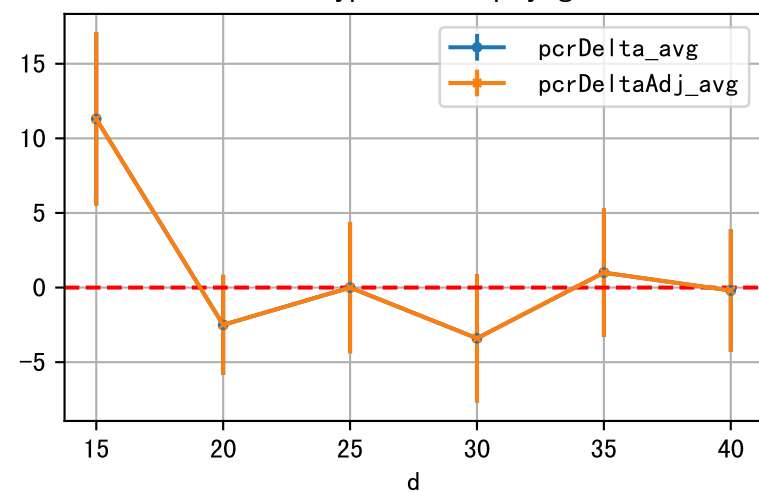
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

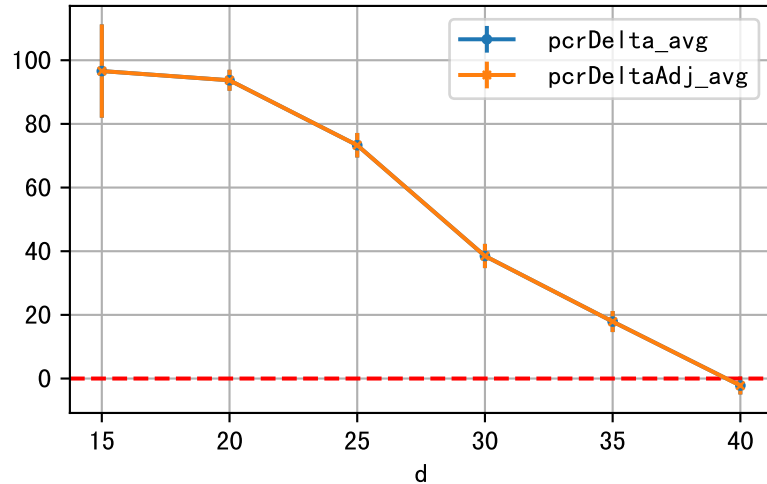


DeltaTypeAbbr=GrpByAge

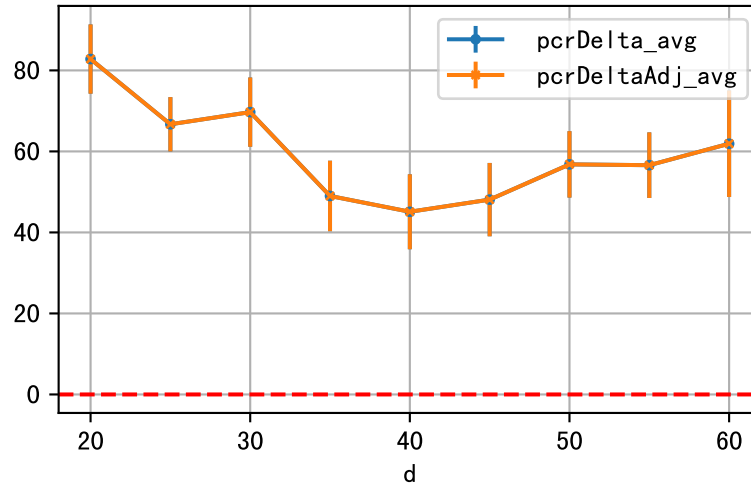


P9AE NdD: D_Est_NdD

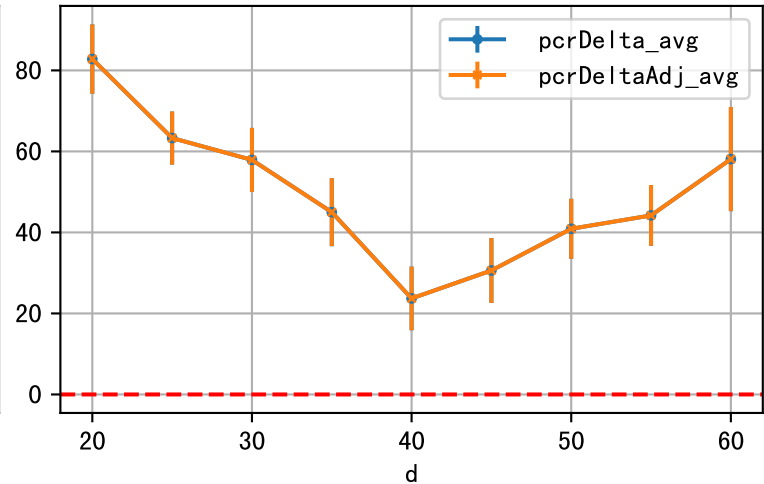
DeltaTypeAbbr=GrpByAge



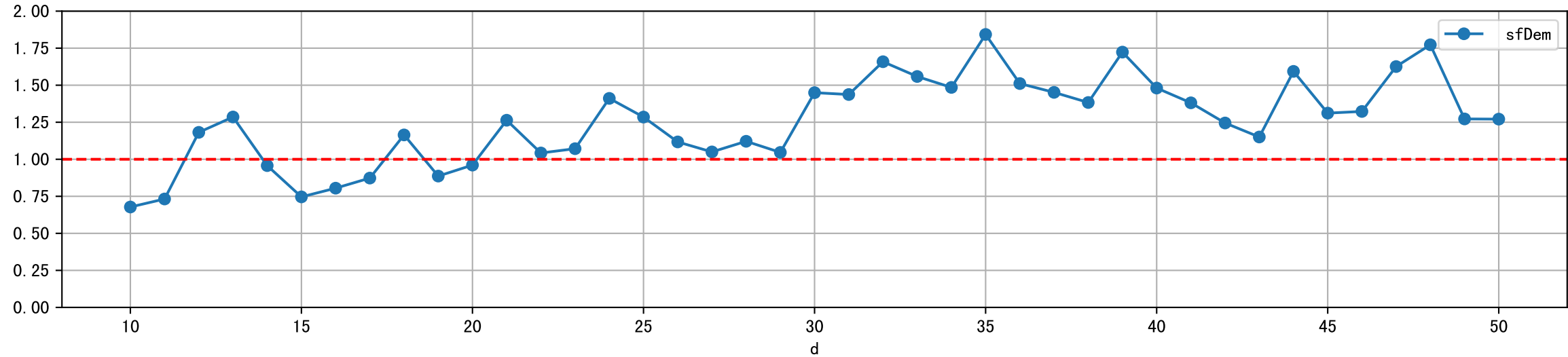
DeltaTypeAbbr=GrpByDay

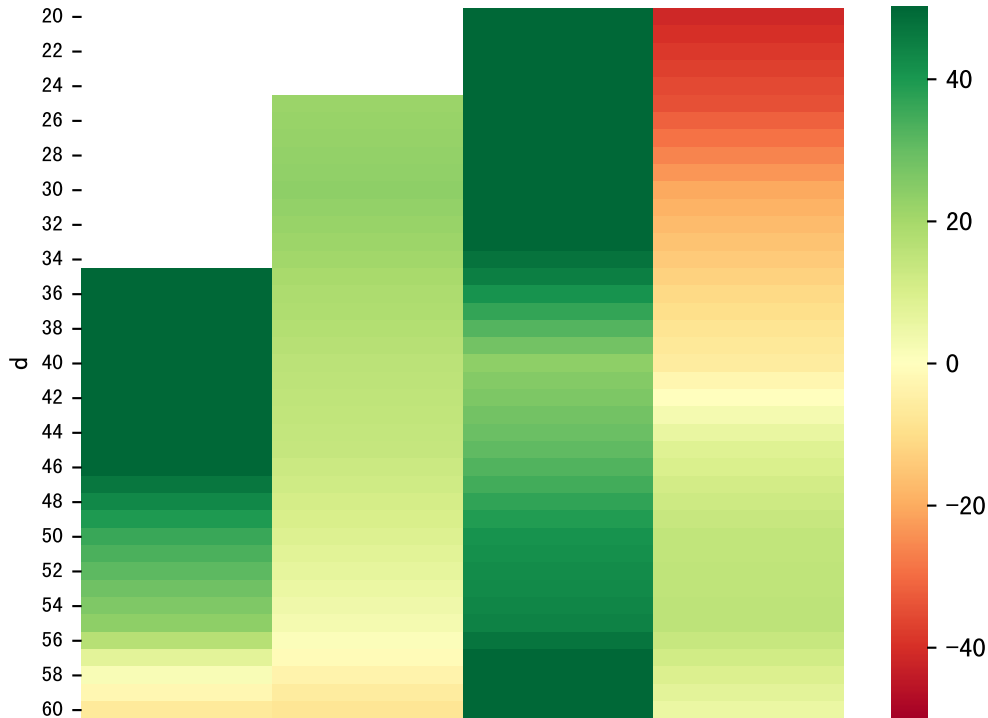


DeltaTypeAbbr=Wei AvgByD

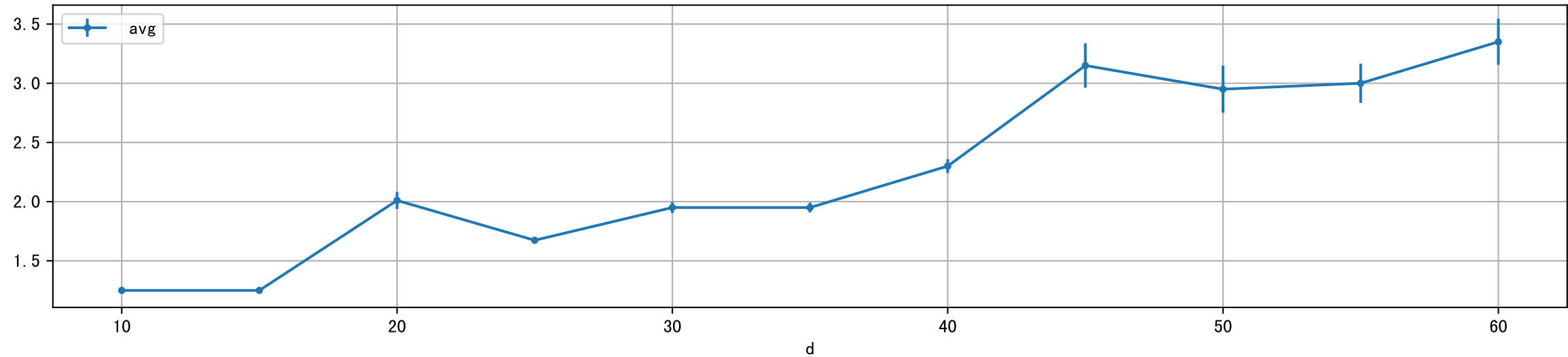


NdD: sfDem

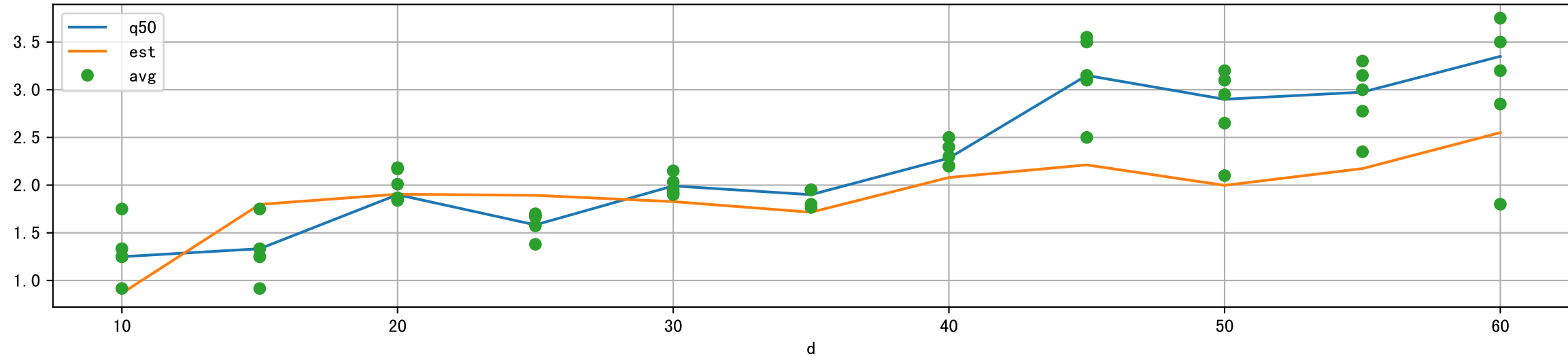




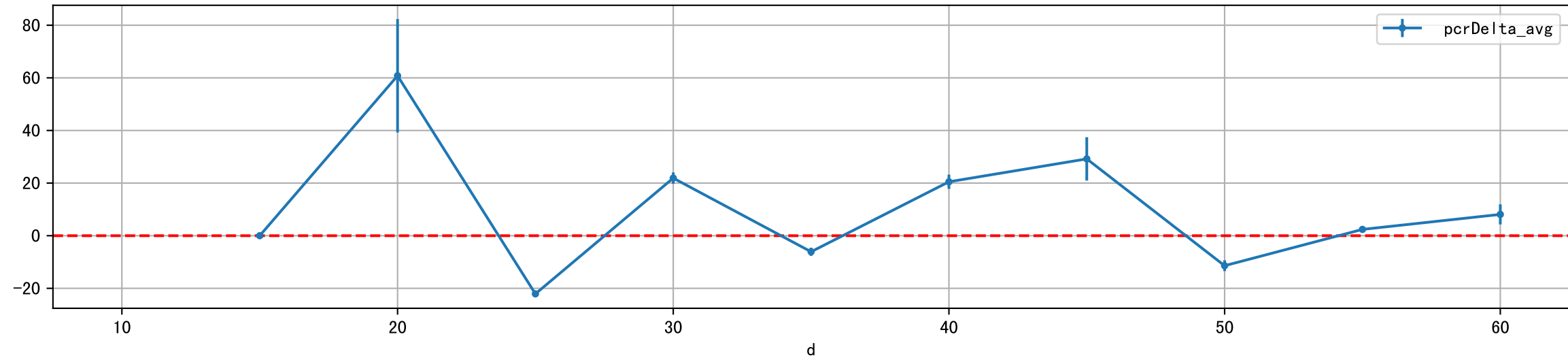
dStH: avg vs. d



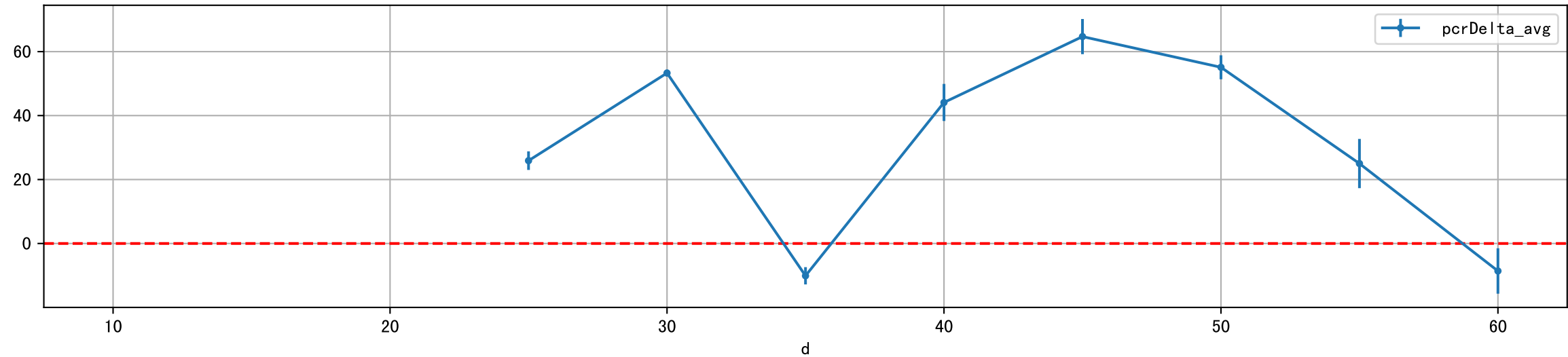
dStH: obsAvg vs obs0v@Q50



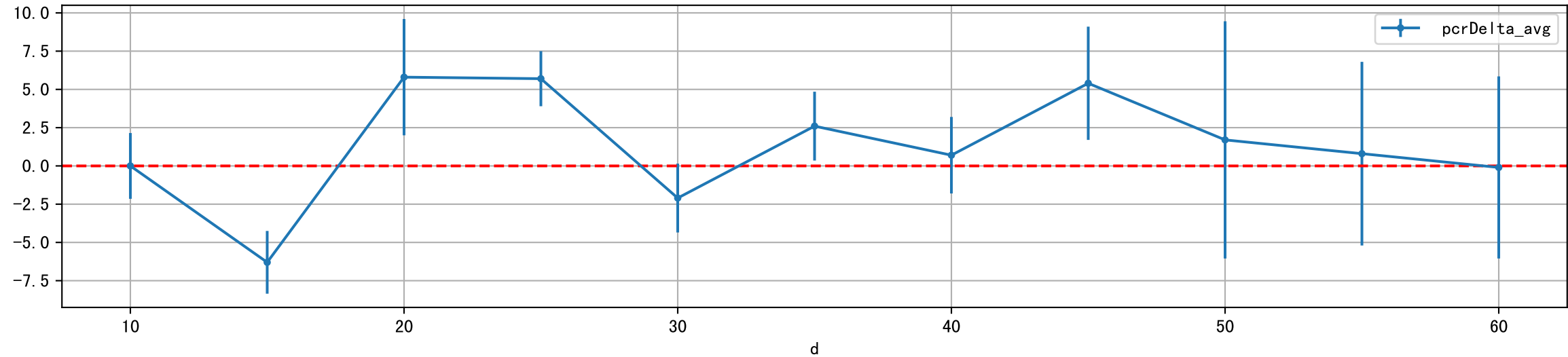
dStH: D_5d_StH



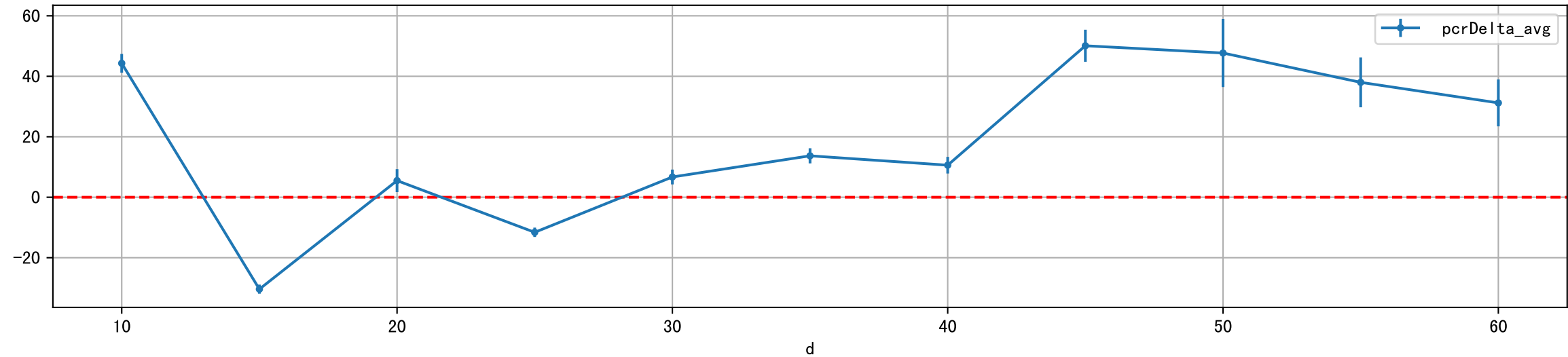
dStH: D_15d_StH



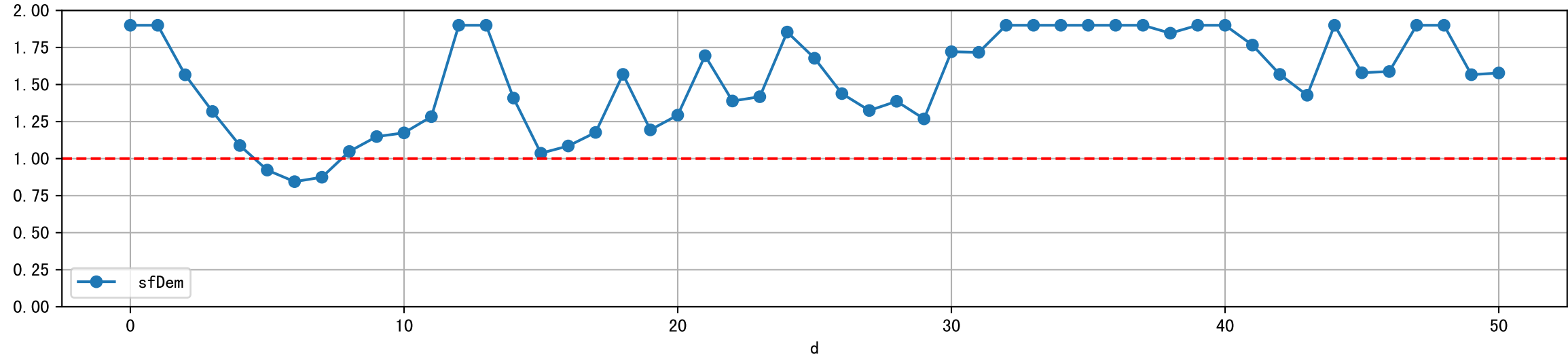
dStH: D_Q50_StH

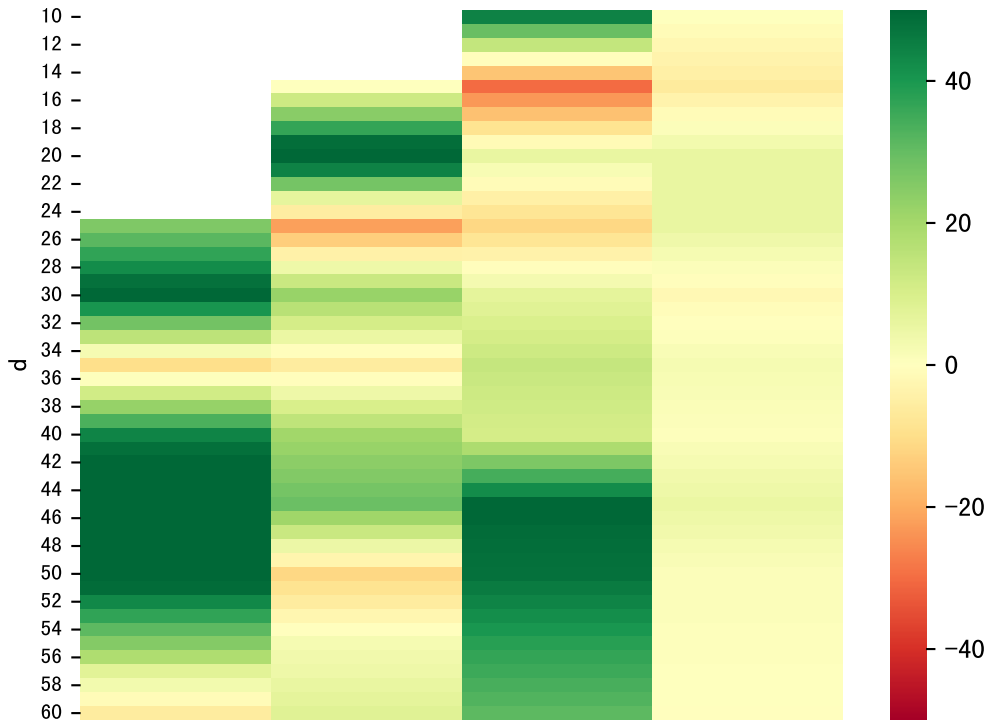


dStH: D_Est_StH

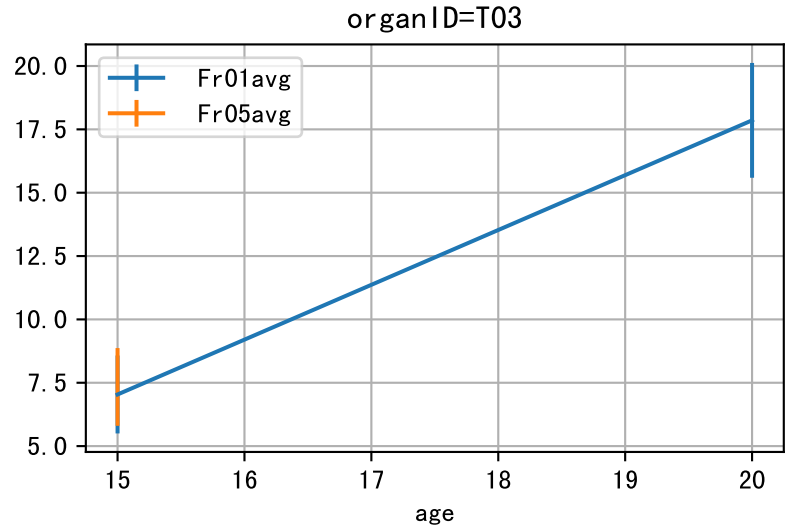
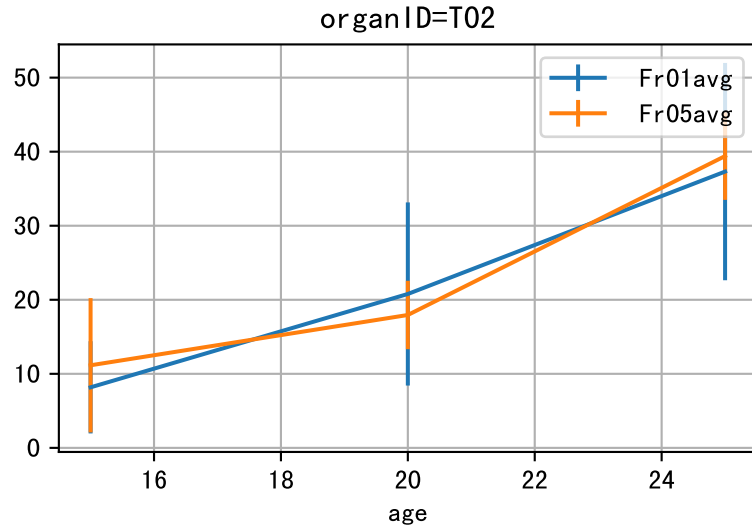
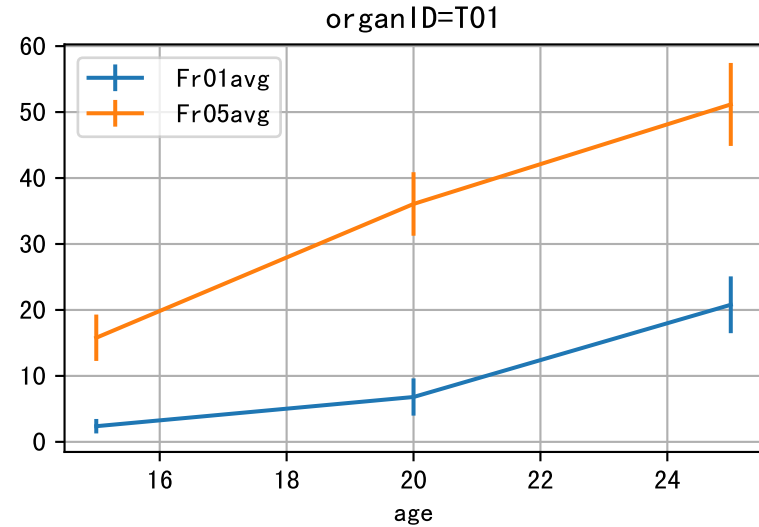


dStH: sfDem



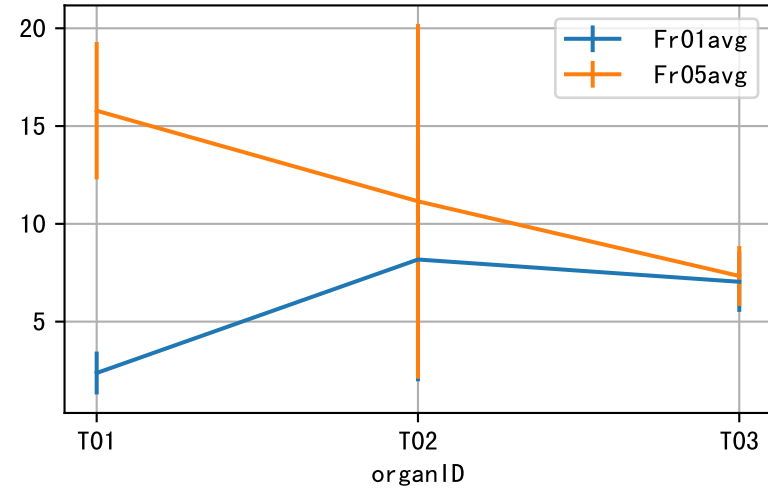


FrV: Fr01 vs Fr05 at each truss

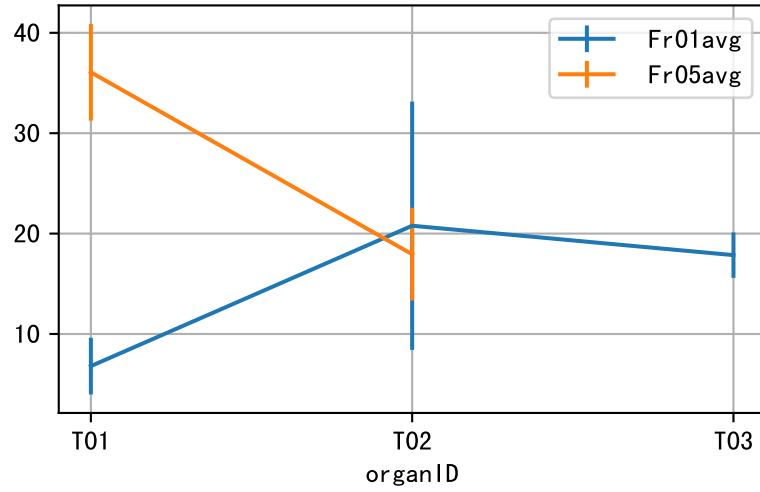


FrV trend at each age

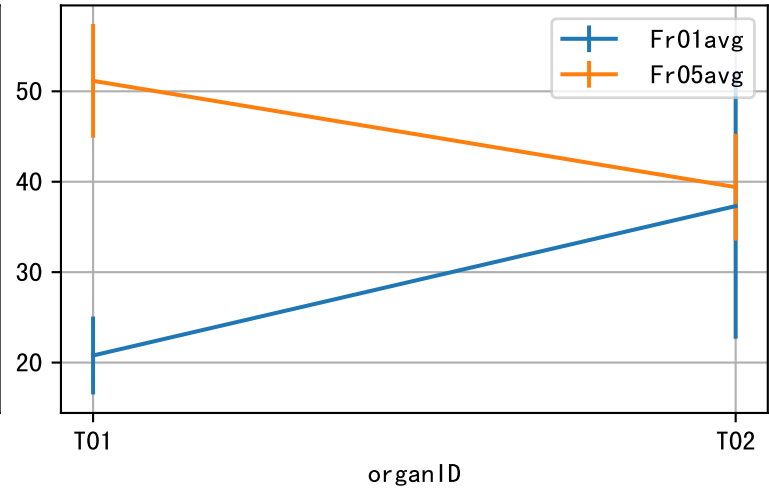
age=15



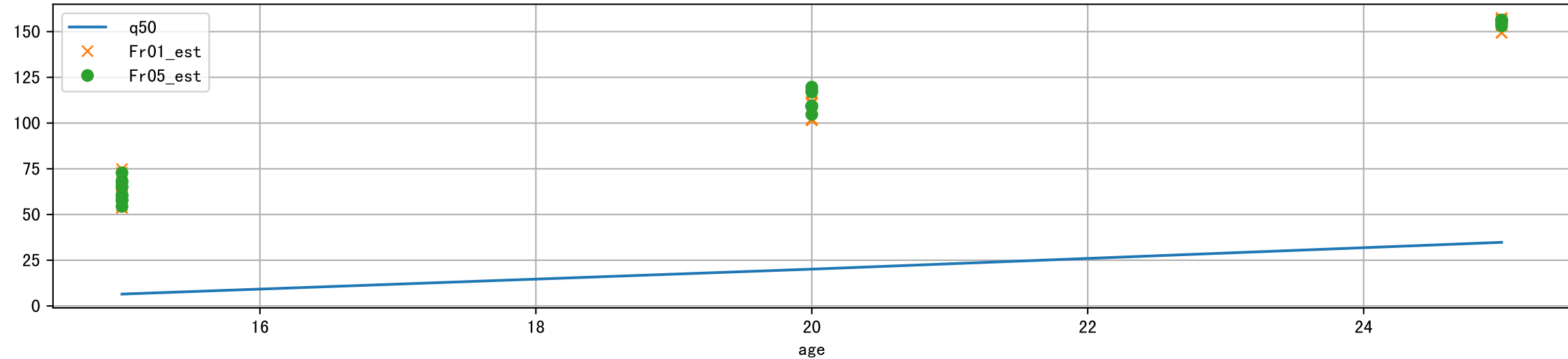
age=20



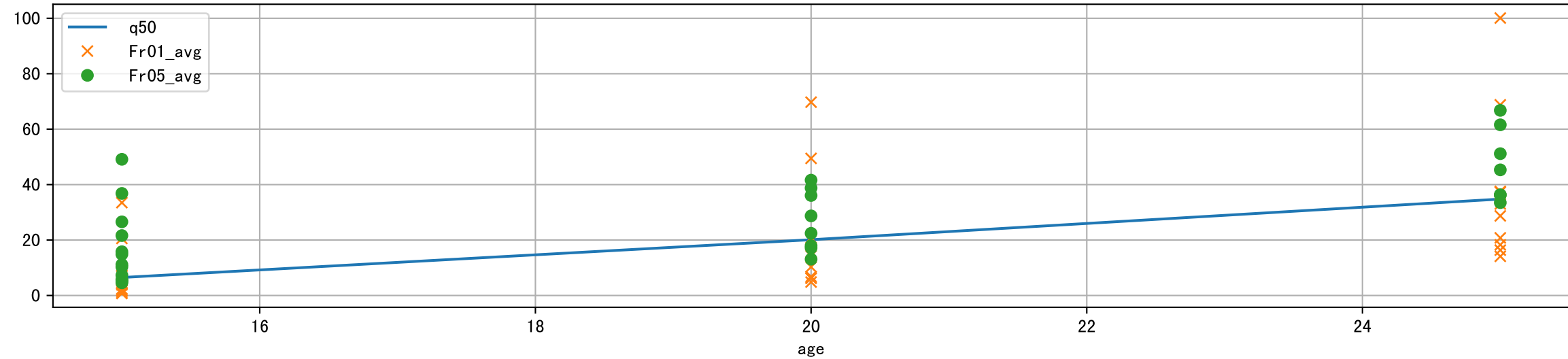
age=25



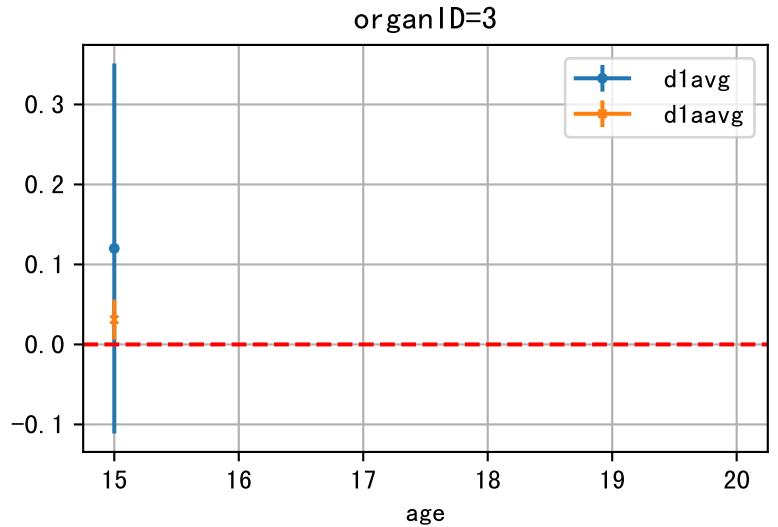
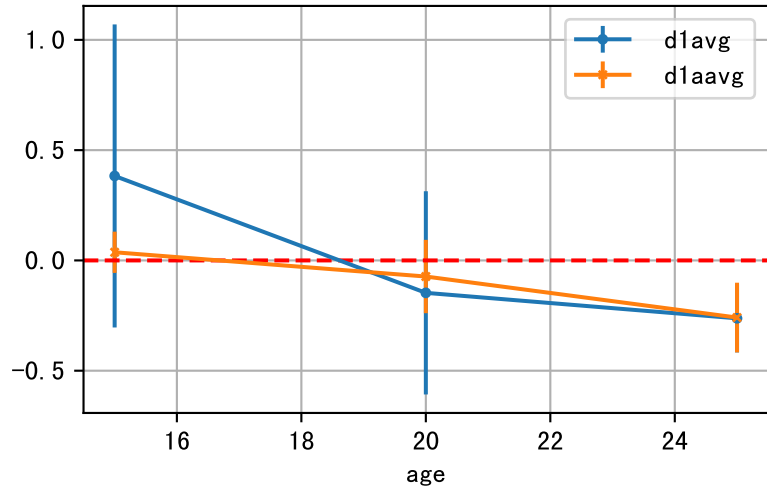
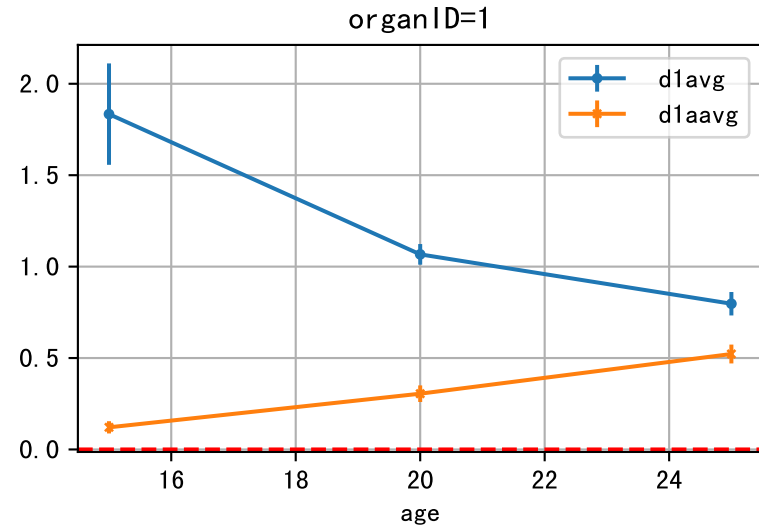
FrV: model Est vs obsFrV at Q90



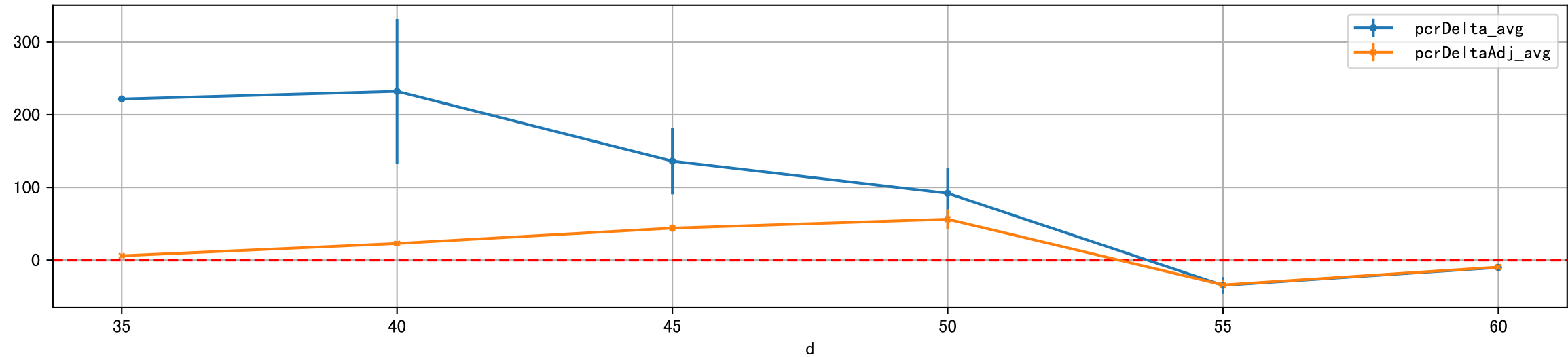
FrV: obsFrV vs obsFrV@Q90



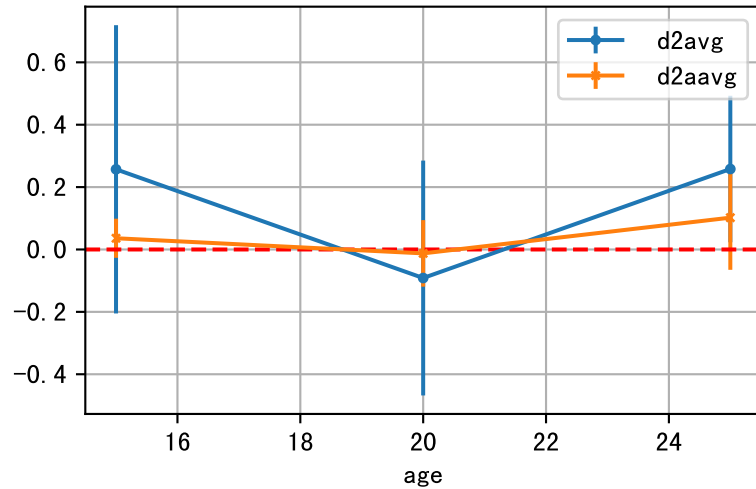
FrV: D_Fr1_FrV
organID=2



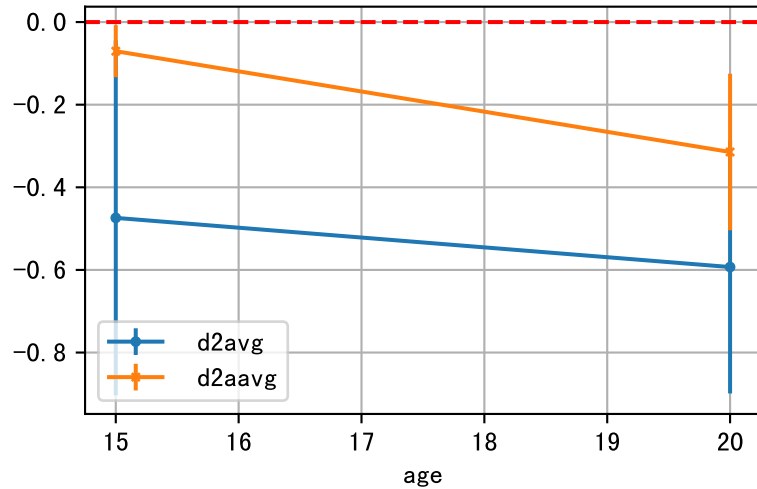
P9AE FrV: D_Fr1_FrV



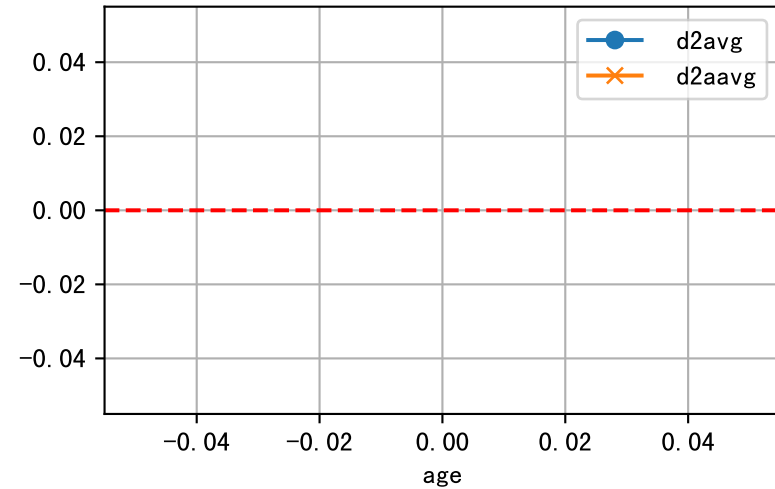
FrV: D_Ts_FrV
organID=2



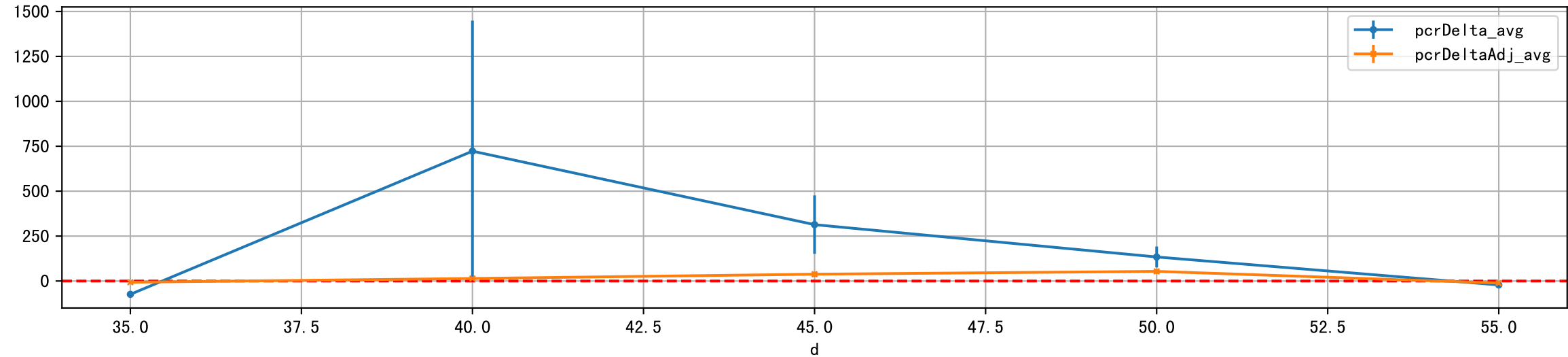
organID=3



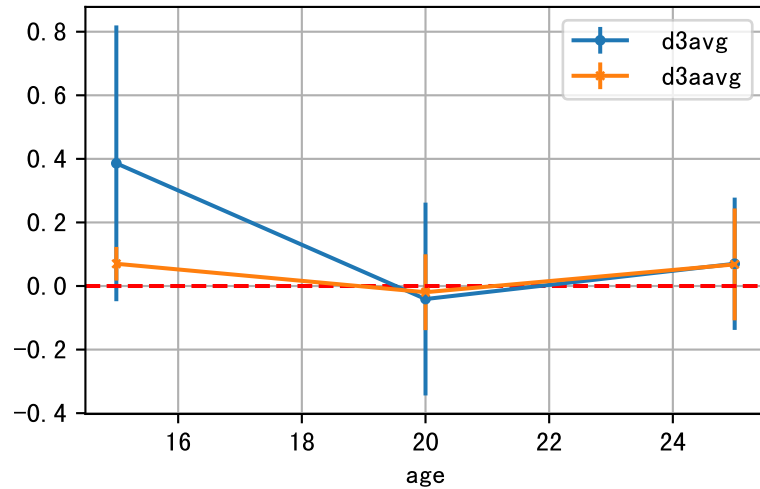
organID=1



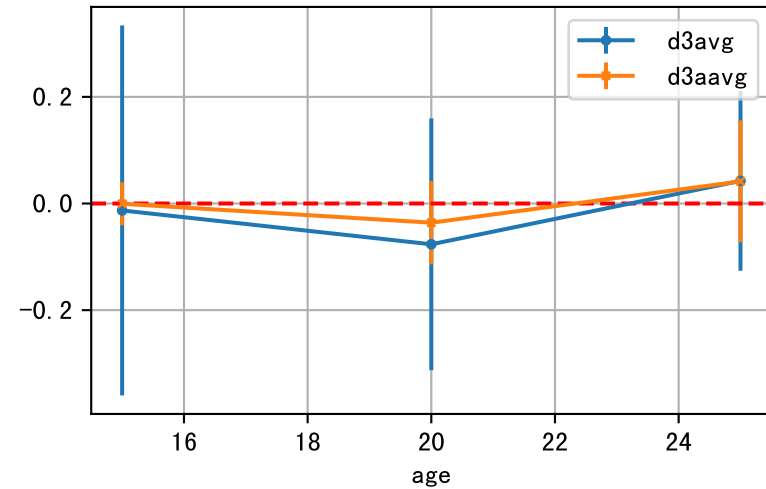
P9AE FrV: D_Ts_FrV



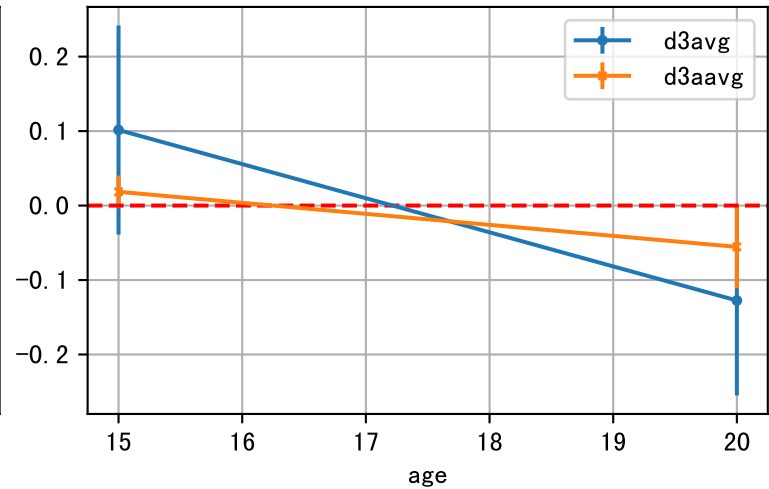
FrV: D_Q50_FrV
organID=2



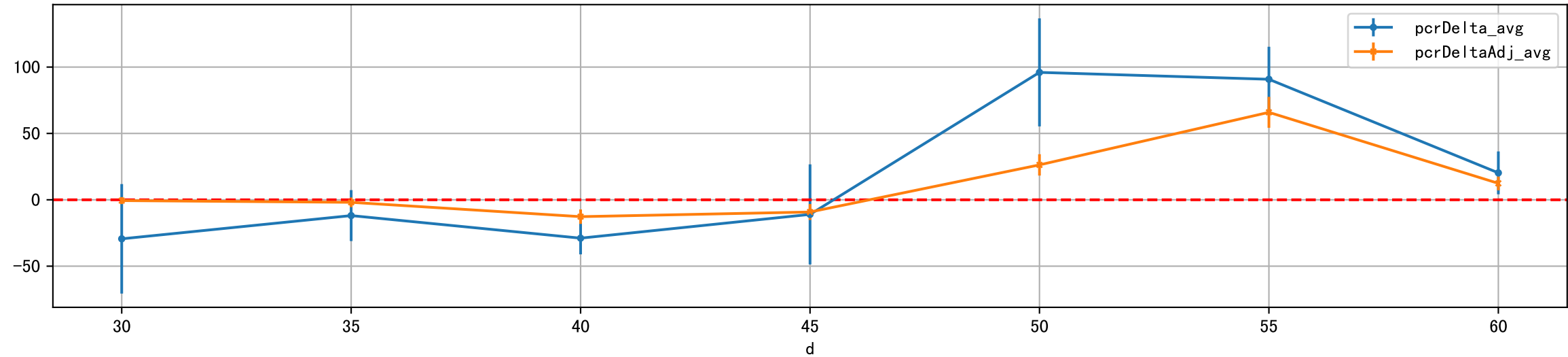
organID=1



organID=3



P9AE FrV: D_Q50_FrV



FrV: D_Est_FrV
organID=2

