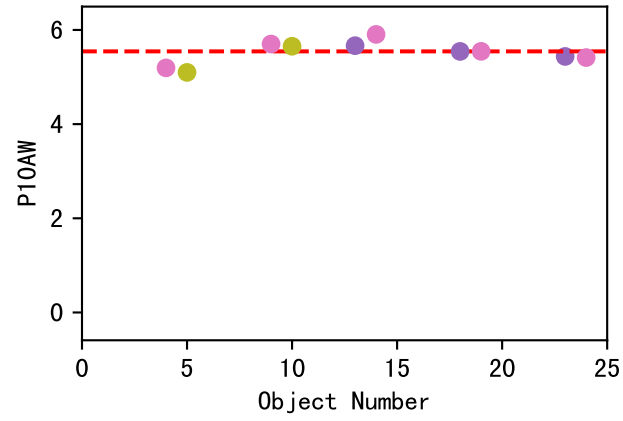


Phenotype Data Analysis Plots  
PhenoData day range = 18 - 62  
Analysis cutoff day = 62  
NC11 P10  
2025-12-20 (Day 63)

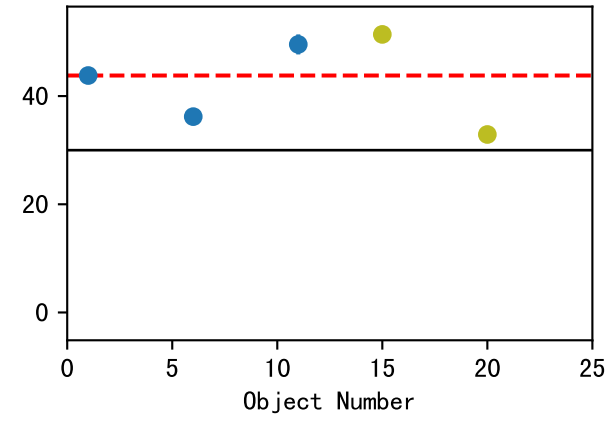
avg1=0.00% avg2=na  
P10AW Truss



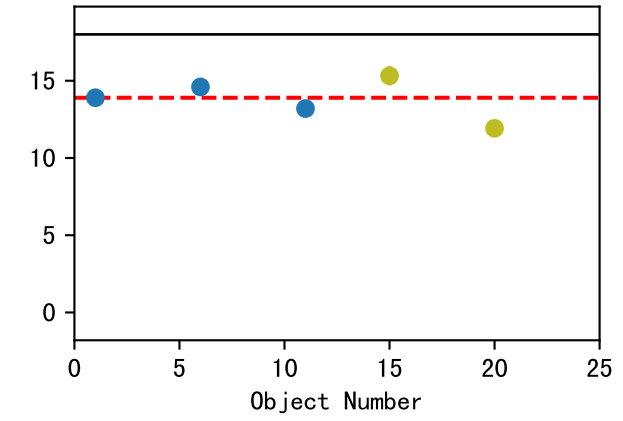
NdL\_avgAbsY (Def=na Set=5.54)  
avg1=5.54~4% avg2=na



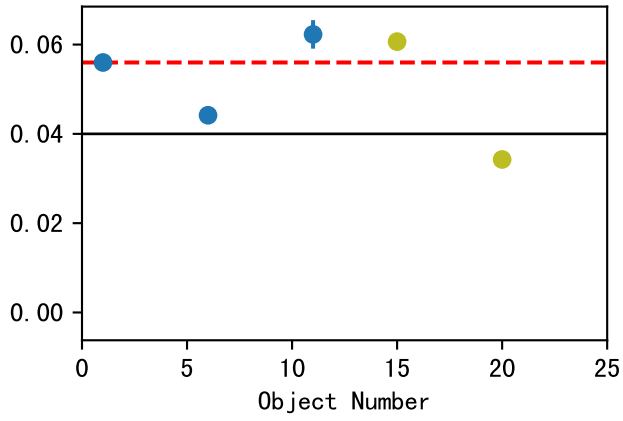
LfL\_avgAbsY (Def=na Set=43.8)  
avg1=43.8~18% avg2=na



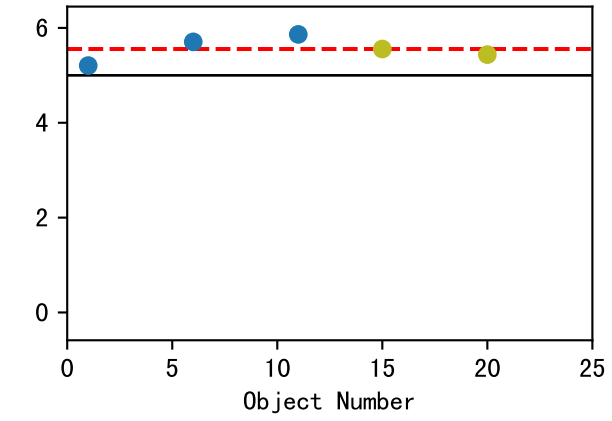
NdD\_avgAbsY (Def=18 Set=13.9)  
avg1=13.9~9% avg2=na



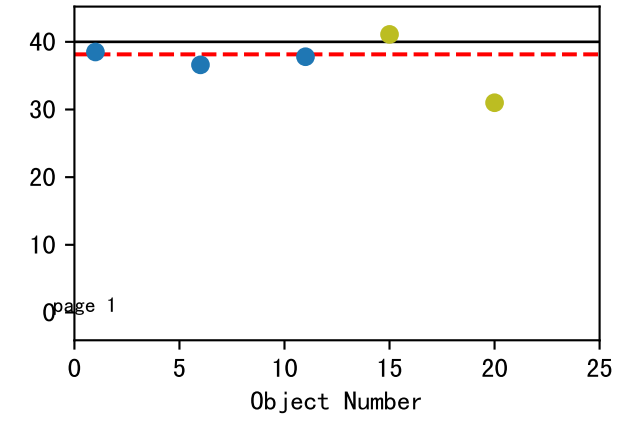
LfA\_Q90AbsY (Def=0.04 Set=0.06)  
avg1=0.06~21% avg2=na



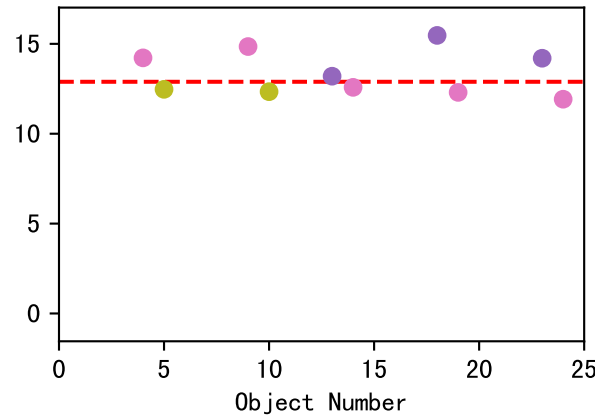
NdL\_Q90AbsY (Def=5 Set=5.56)  
avg1=5.56~5% avg2=na



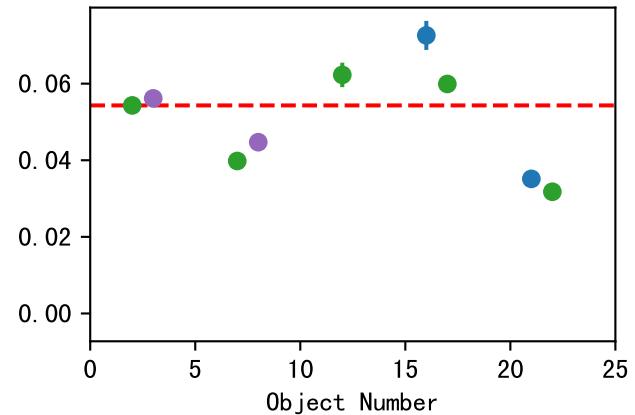
LfL\_Q90AbsY (Def=40 Set=38.15)  
avg1=38.15~5% avg2=na



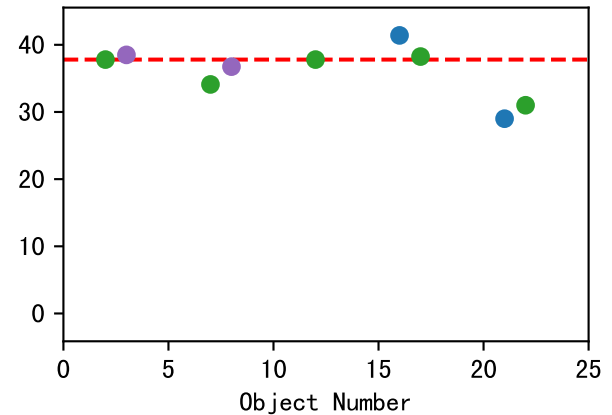
NdU\_avgAbsY (Def=na Set=12.89)  
avg1=12.89~10% avg2=na



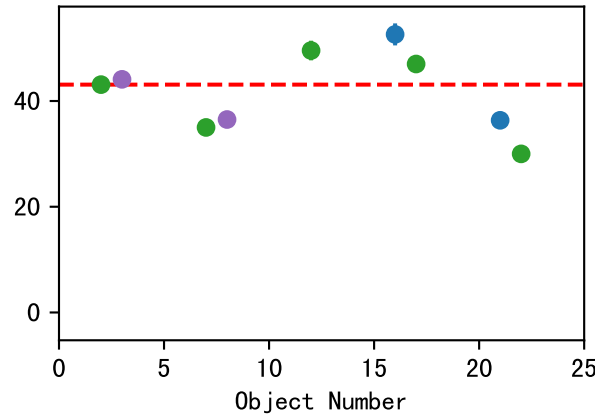
LTA\_avgAbsY (Def=na Set=0.05)  
avg1=0.05~25% avg2=na



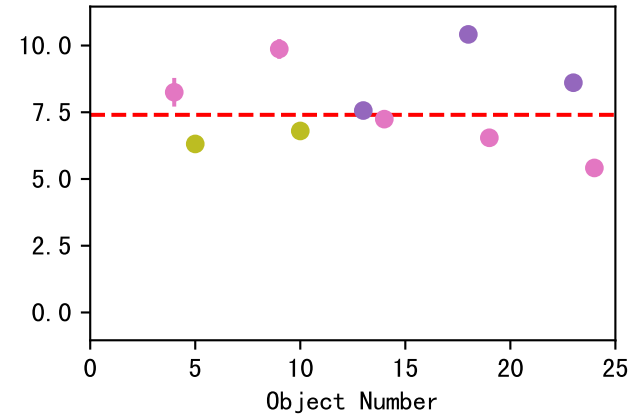
LTL\_avgAbsY (Def=na Set=37.8)  
avg1=37.8~10% avg2=na



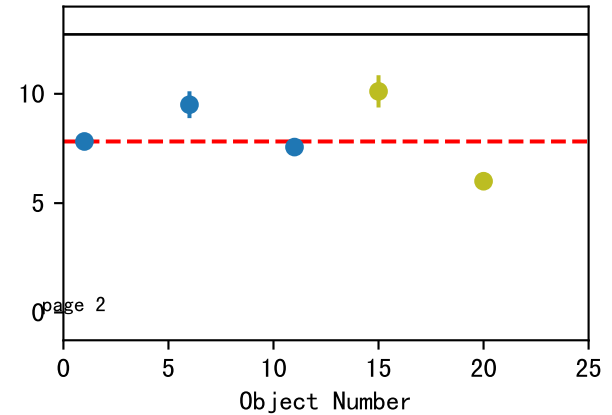
LfW\_avgAbsY (Def=na Set=43.1)  
avg1=43.1~17% avg2=na



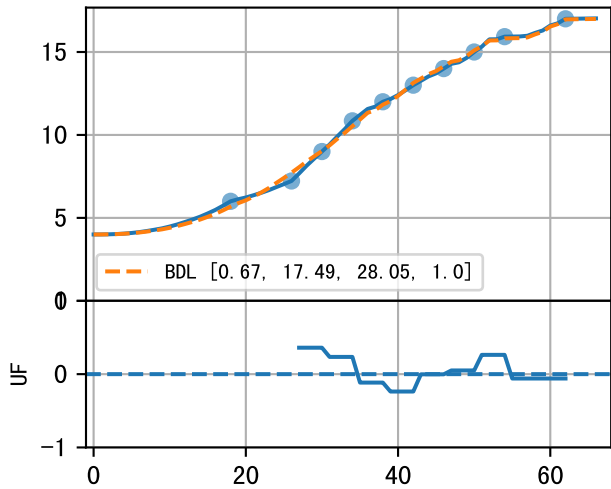
NdV\_avgAbsY (Def=na Set=7.4)  
avg1=7.4~21% avg2=na



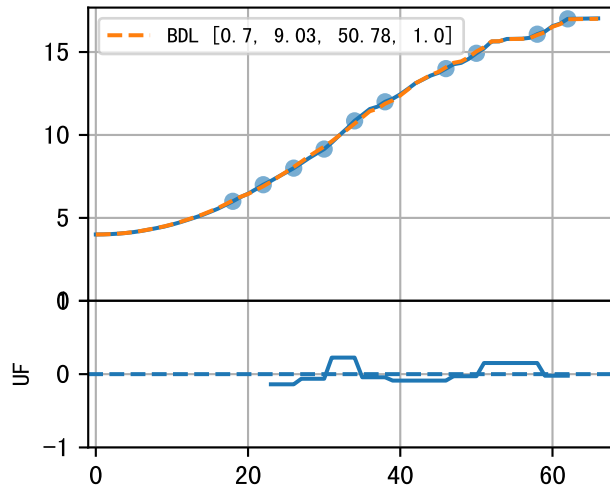
NdV\_Q90AbsY (Def=12.72 Set=7.82)  
avg1=7.82~21% avg2=na



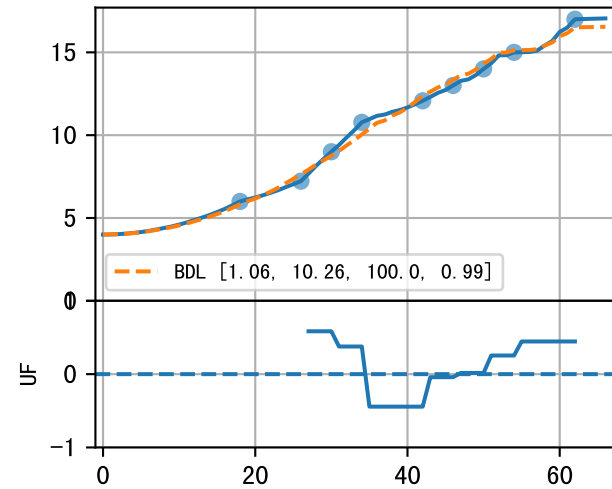
P10AW-004-12 (fit failed)



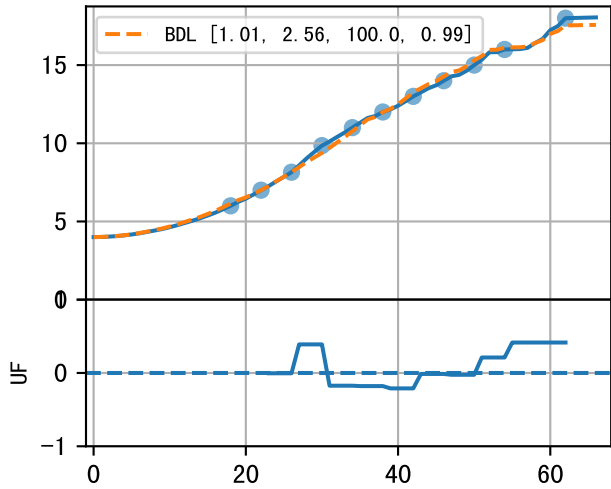
P10AW-010-25 (fit failed)



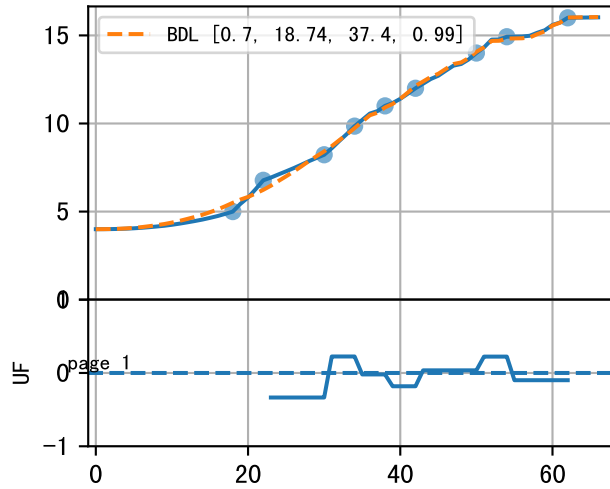
P10AW-017-16 (fit failed)



P10AW-025-3 (fit failed)

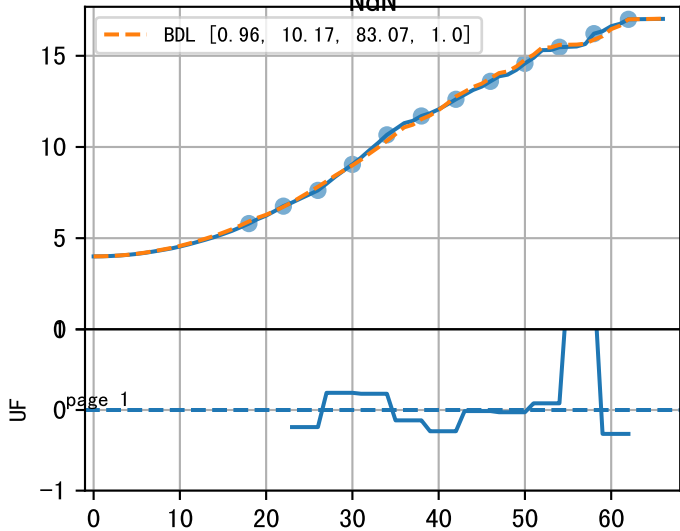


P10AW-032-33 (fit failed)



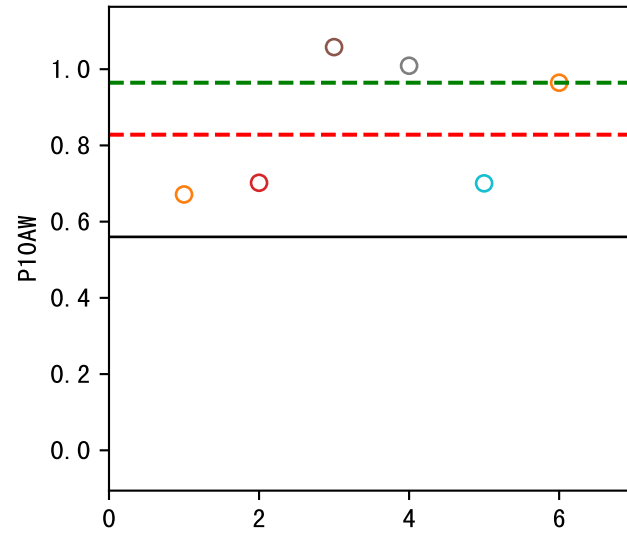
PIOWavg (1st failed)  
NdN

BDL [0.96, 10.17, 83.07, 1.0]

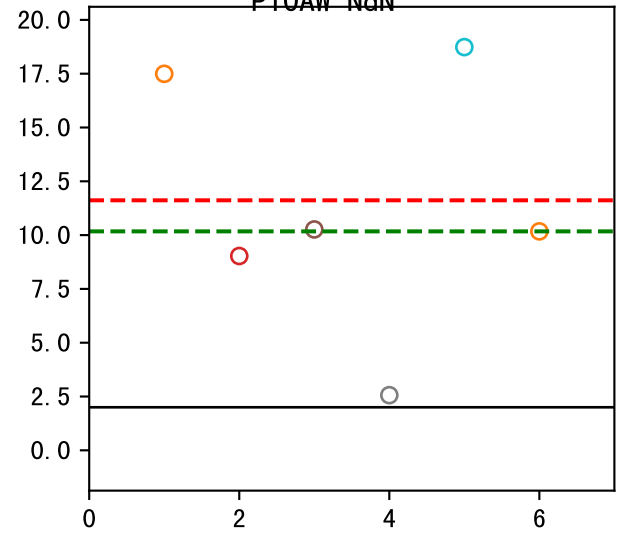


UF  
page 1

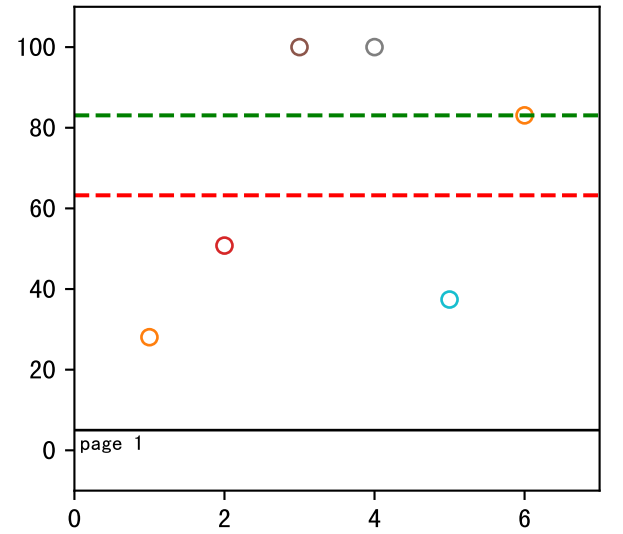
avg1=0.83 (fail) avg2=0.96

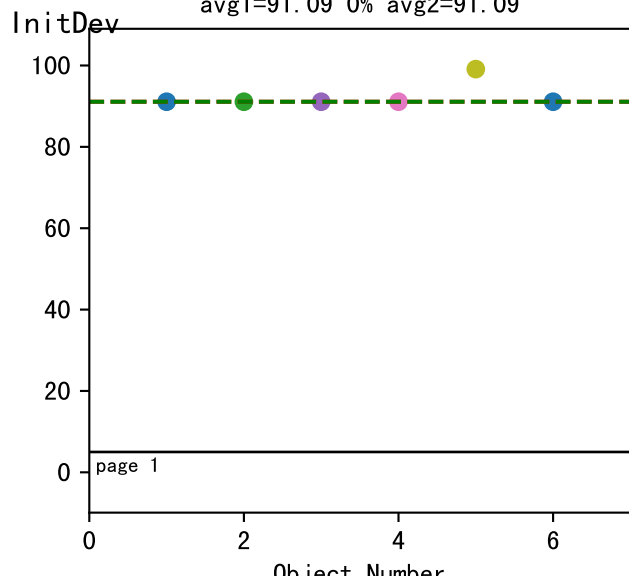
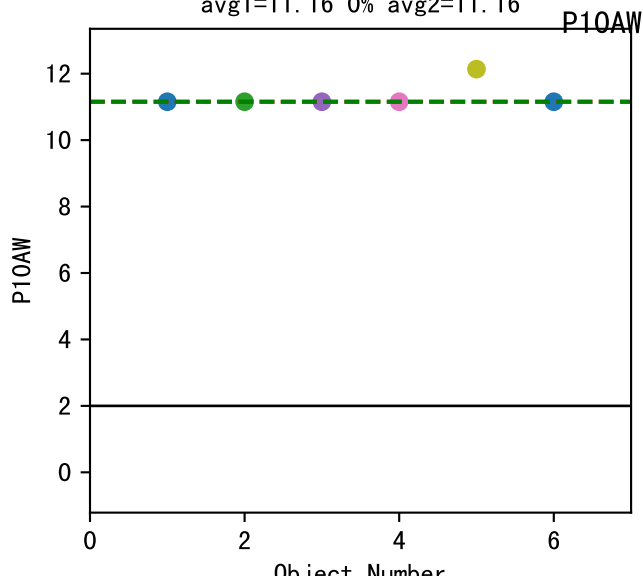


avg1=11.62 (fail) avg2=10.17

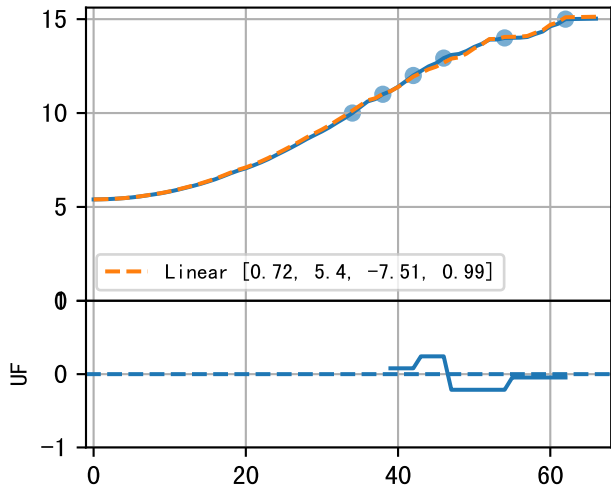


avg1=63.25 (fail) avg2=83.07

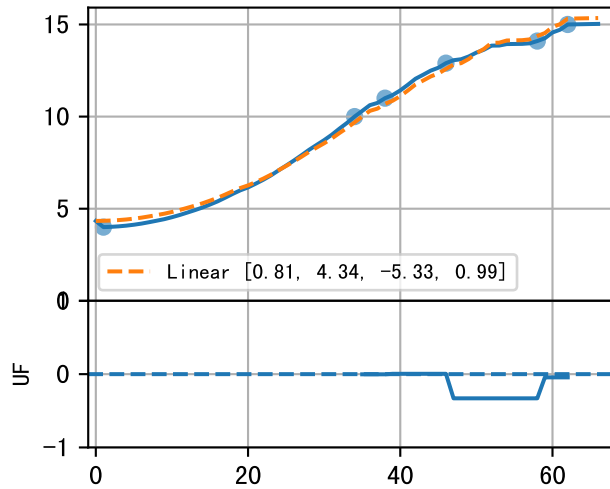




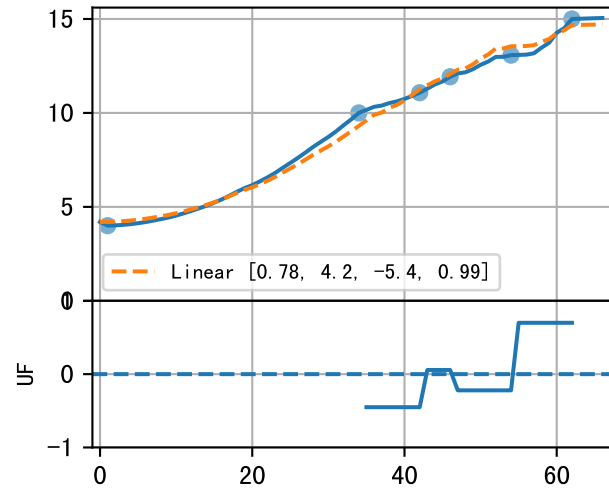
P10AW-004-12



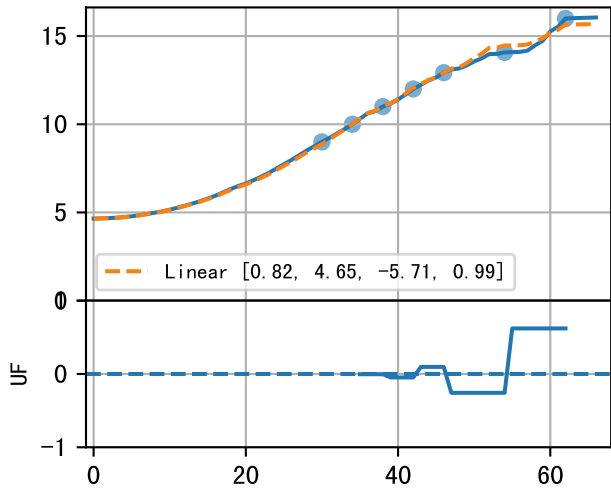
P10AW-010-25



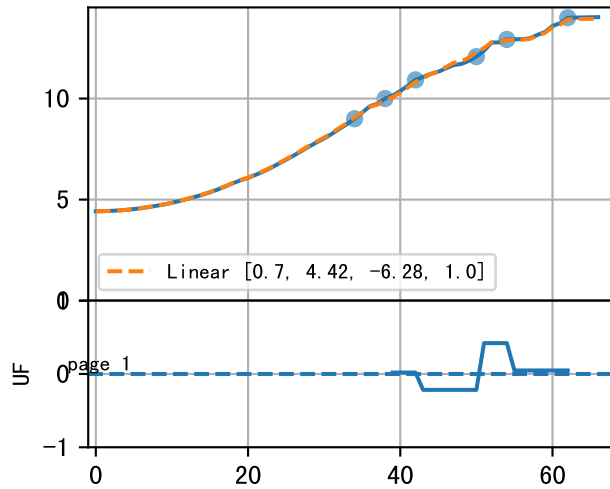
P10AW-017-16



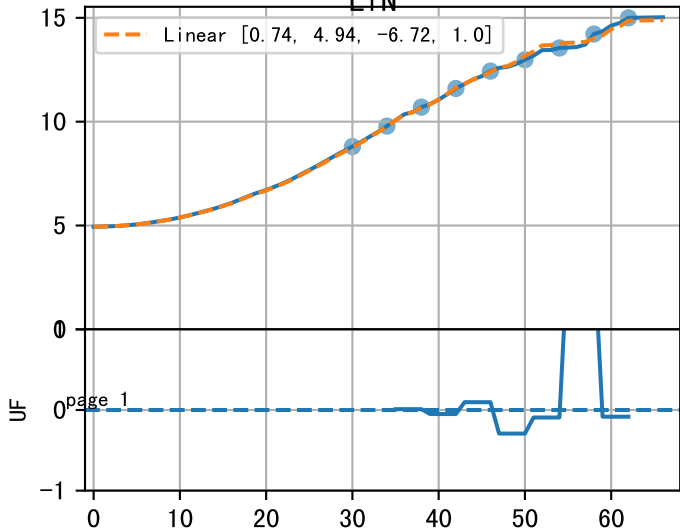
P10AW-025-3



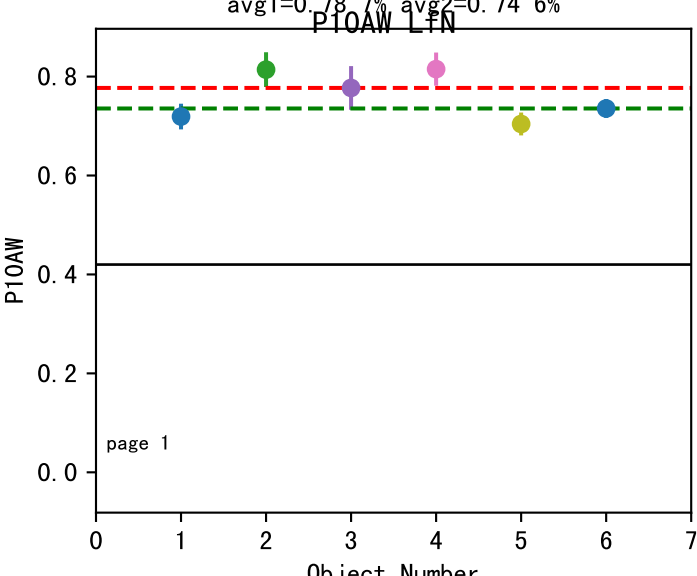
P10AW-032-33



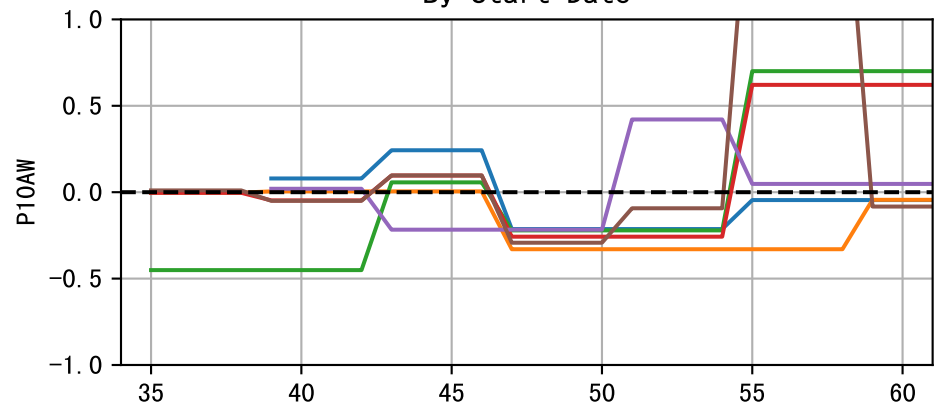
PTUavg  
Lfn



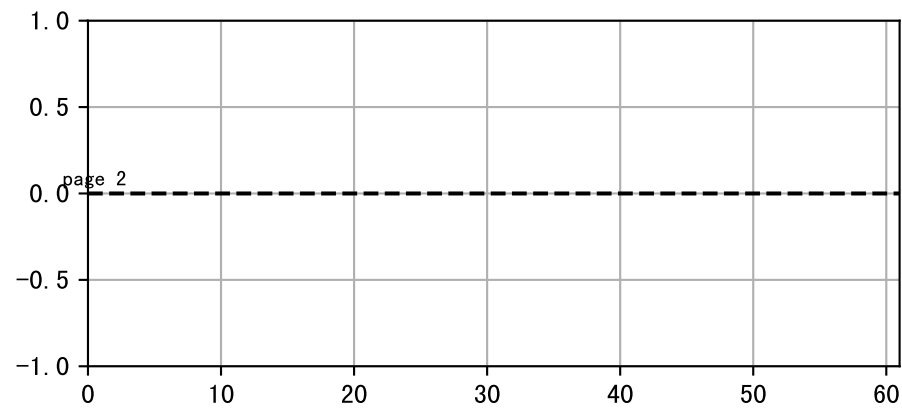
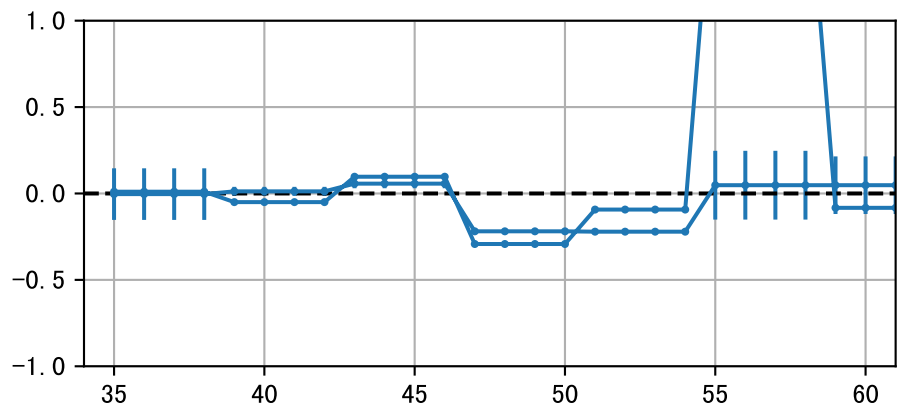
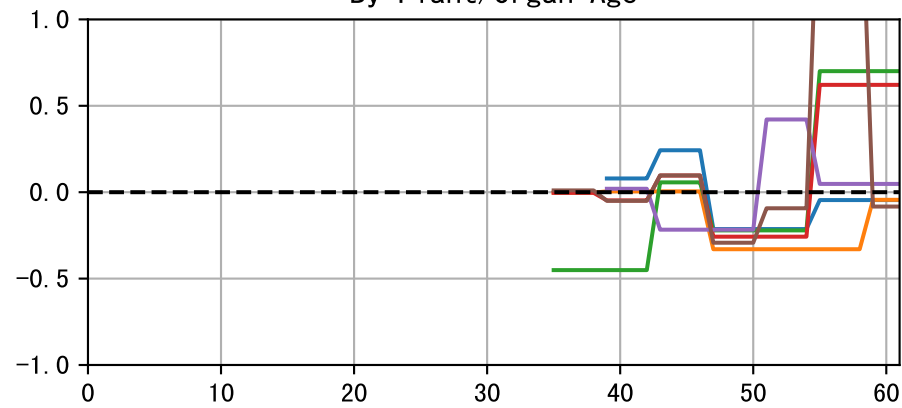
page 1



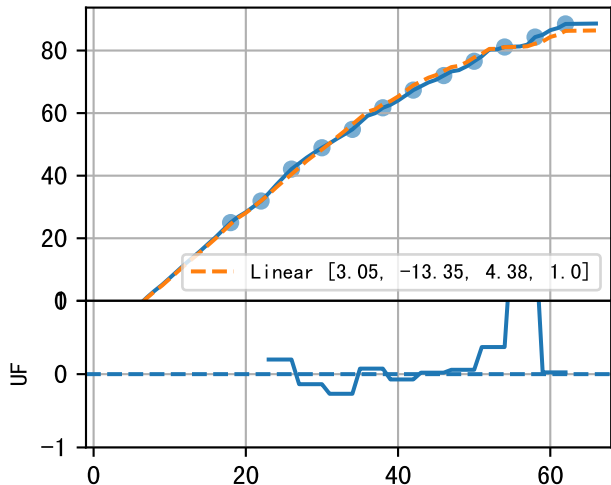
By Start Date



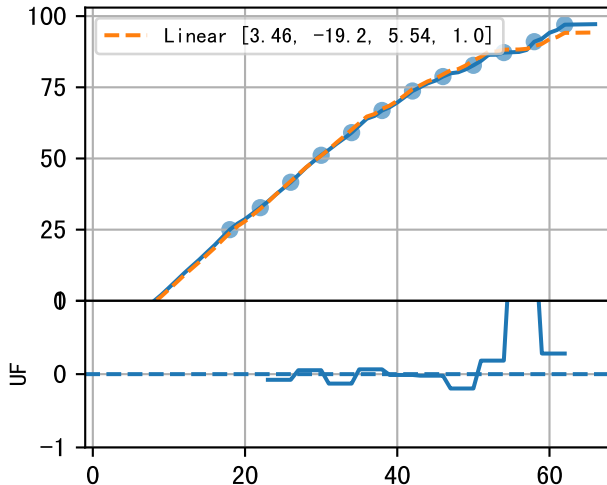
By Plant/Organ Age



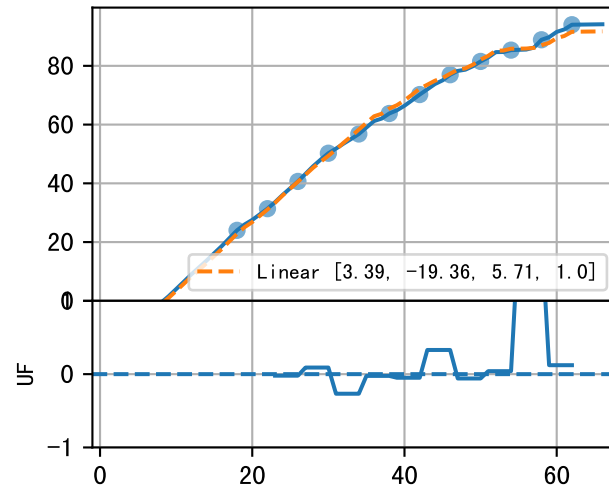
P10AW-004-12



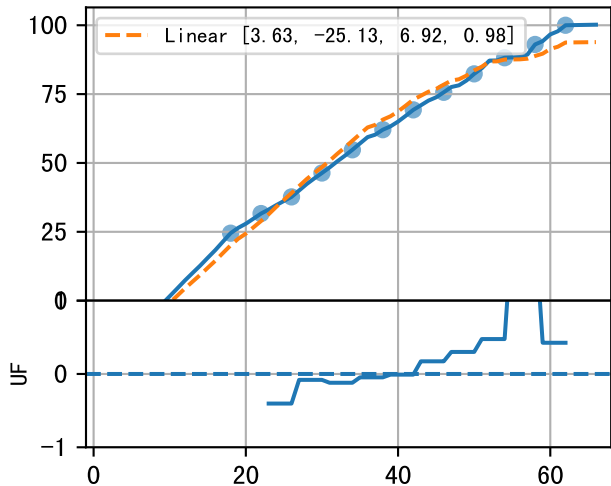
P10AW-010-25



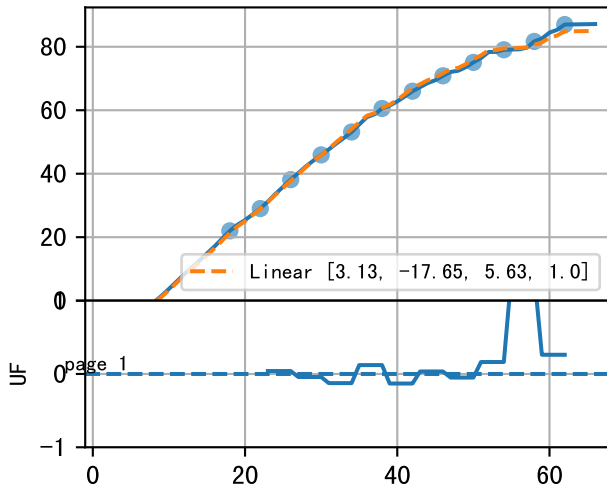
P10AW-017-16

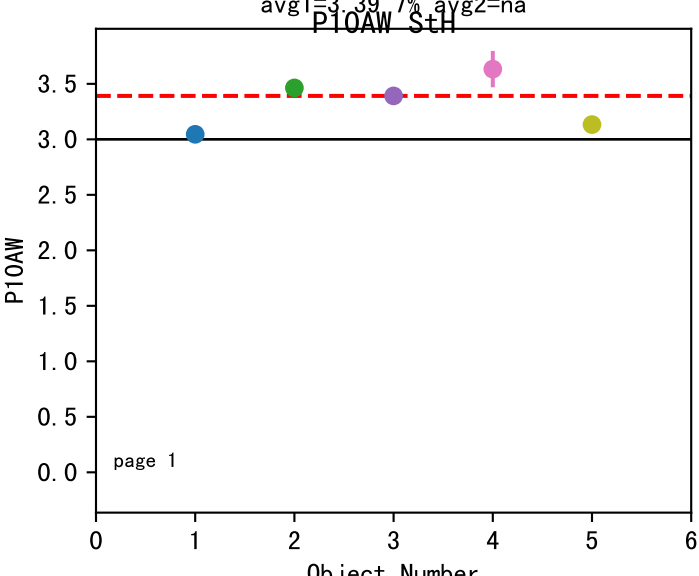


P10AW-025-3

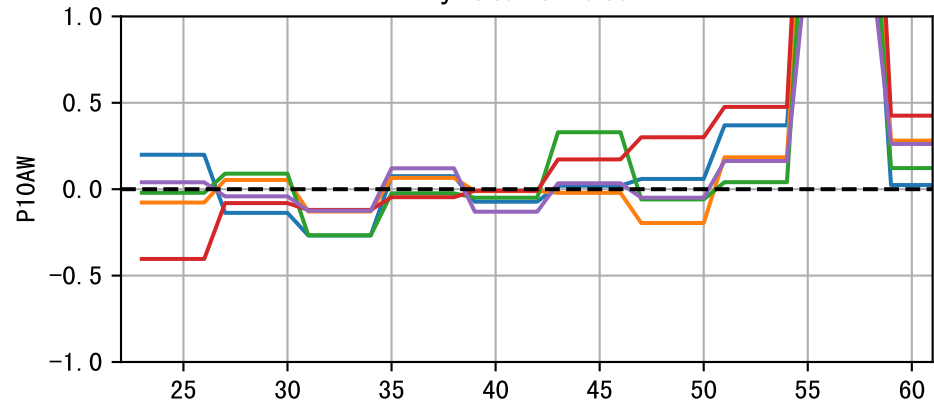


P10AW-032-33

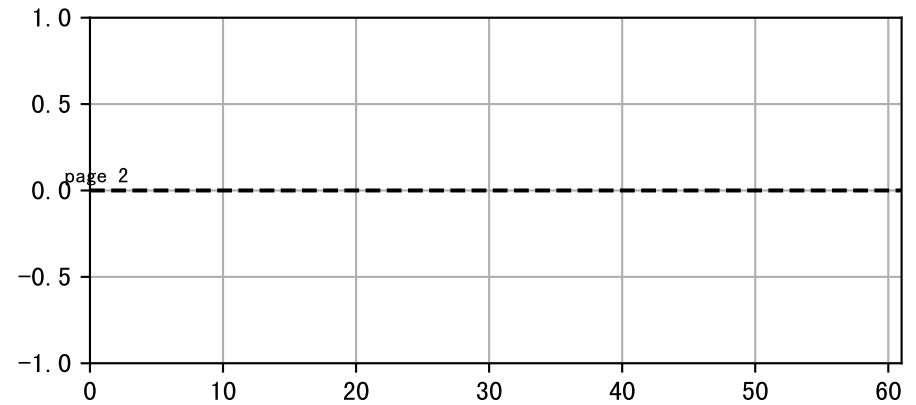
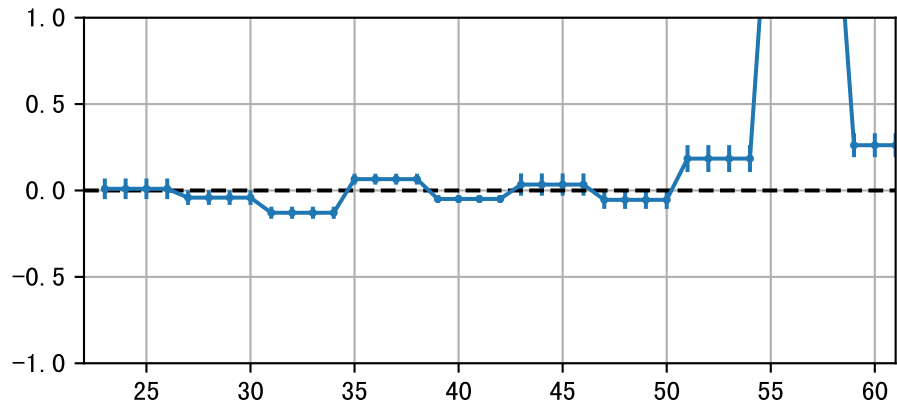
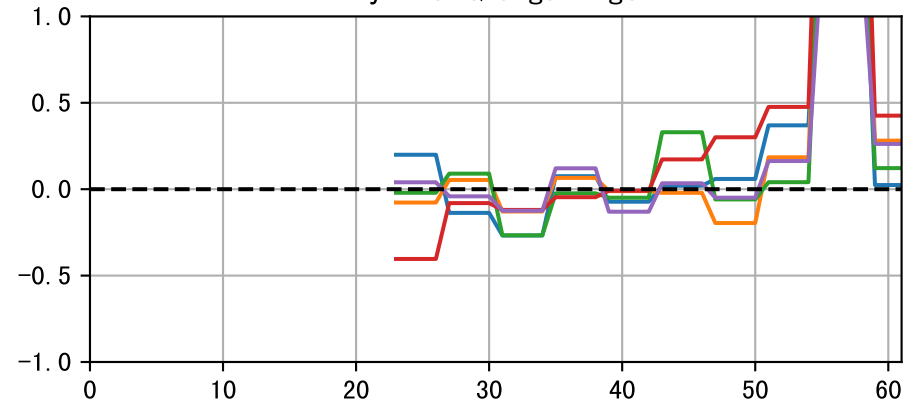




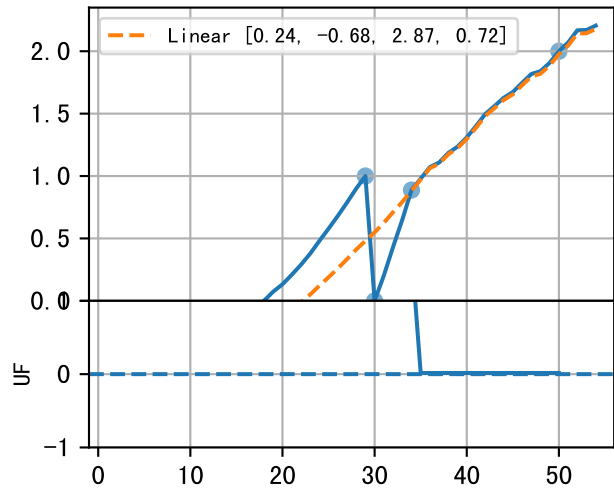
By Start Date



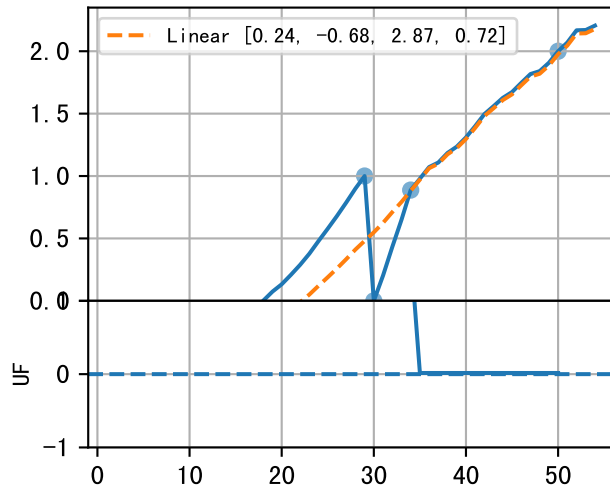
By Plant/Organ Age



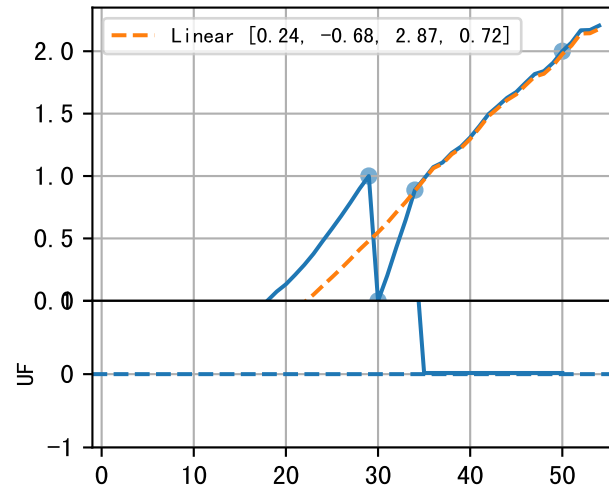
P10AW-004-12



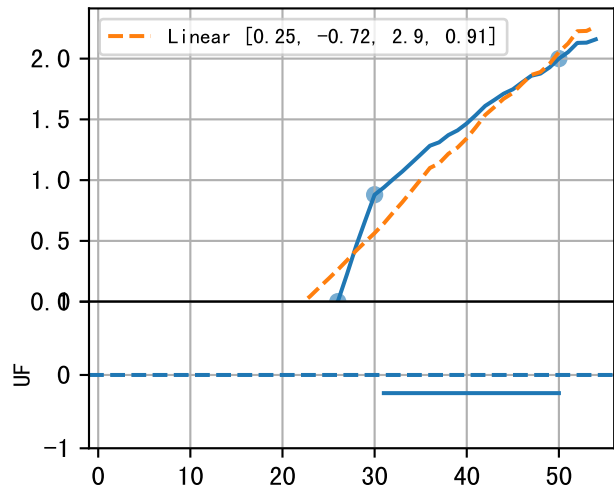
P10AW-010-25



P10AW-017-16



P10AW-025-3

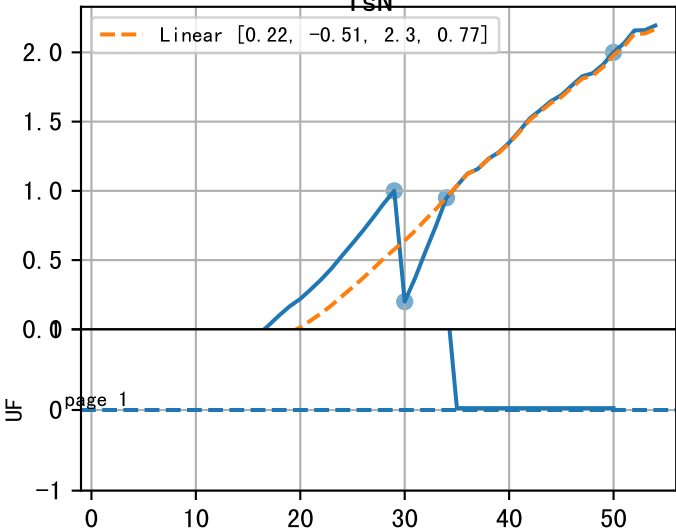


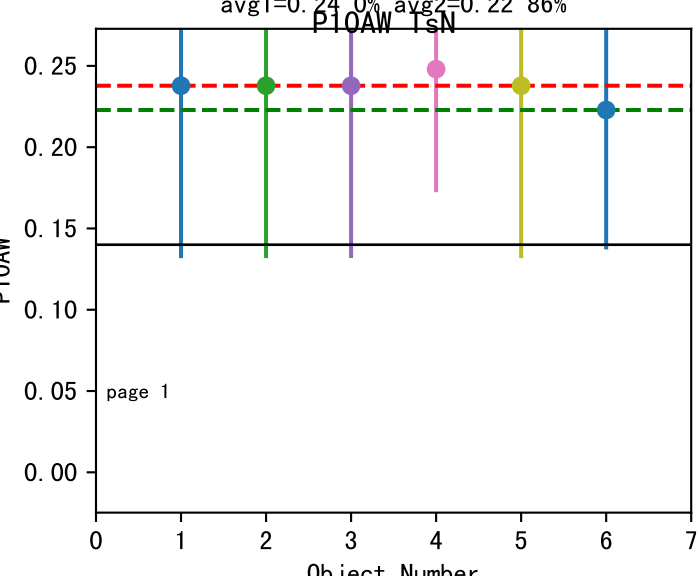
P10AW-032-33



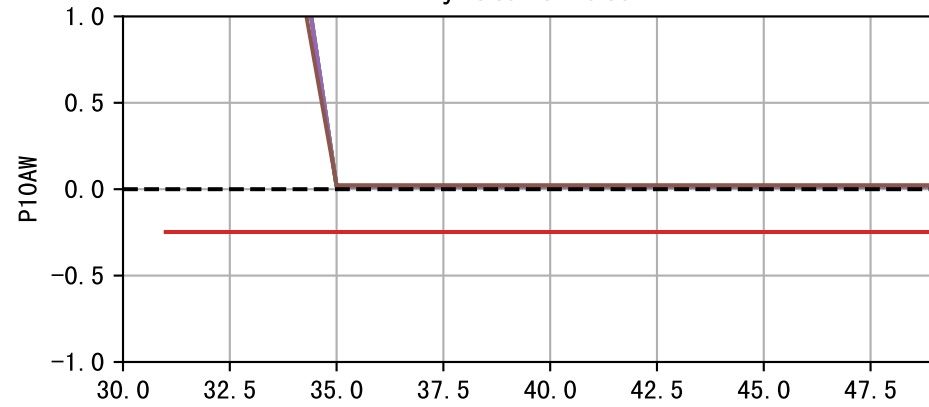
PTQWavg  
TSN

Linear [0.22, -0.51, 2.3, 0.77]

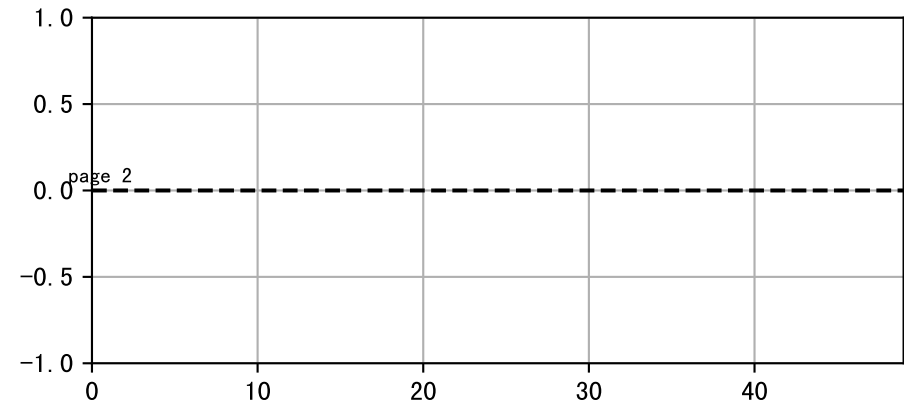
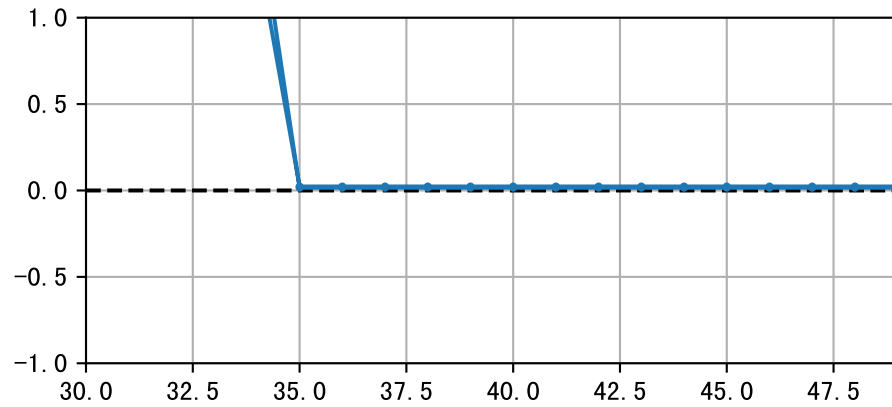
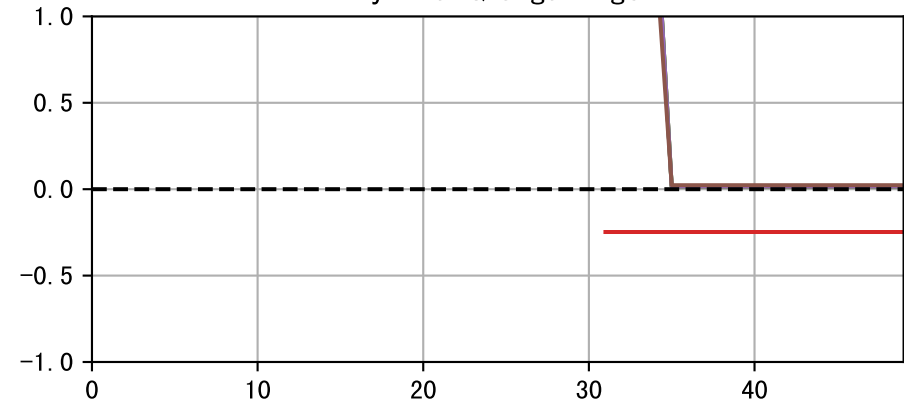




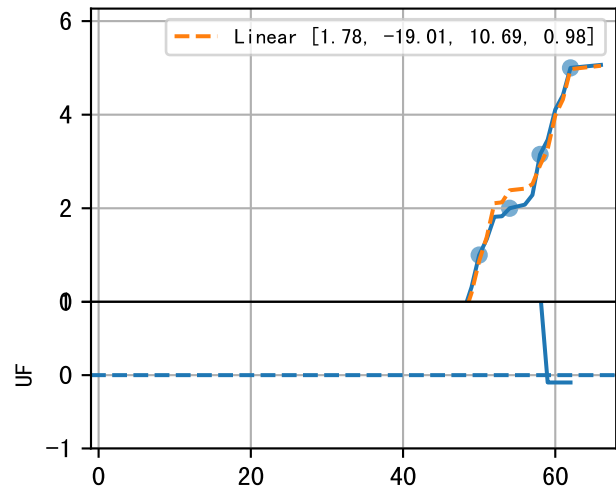
By Start Date



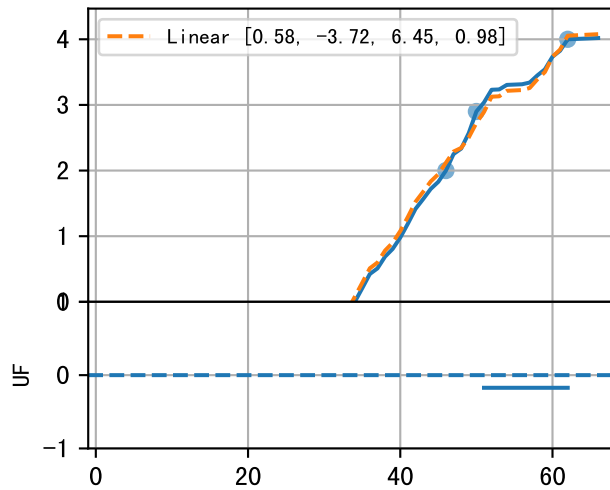
By Plant/Organ Age



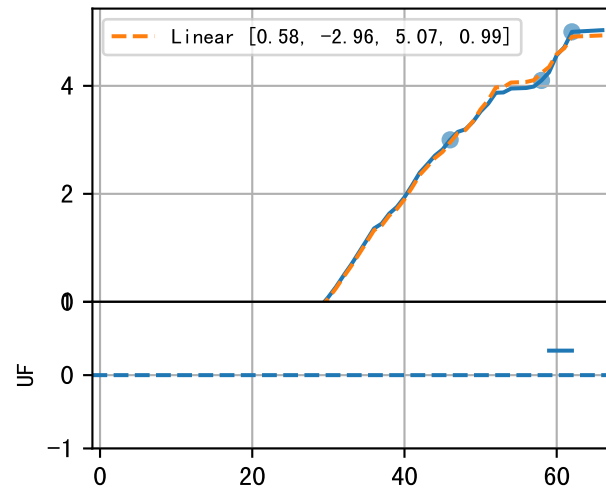
P10AW-004-12T1



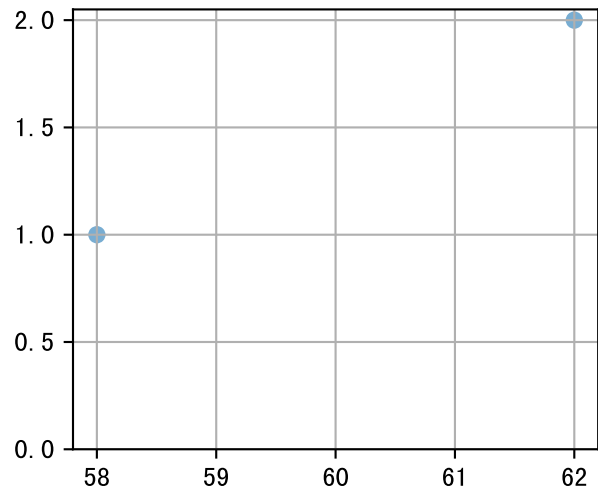
P10AW-010-25T1



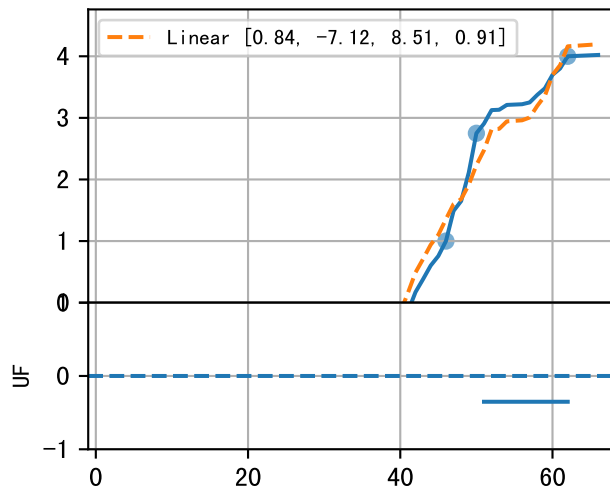
P10AW-017-16T1



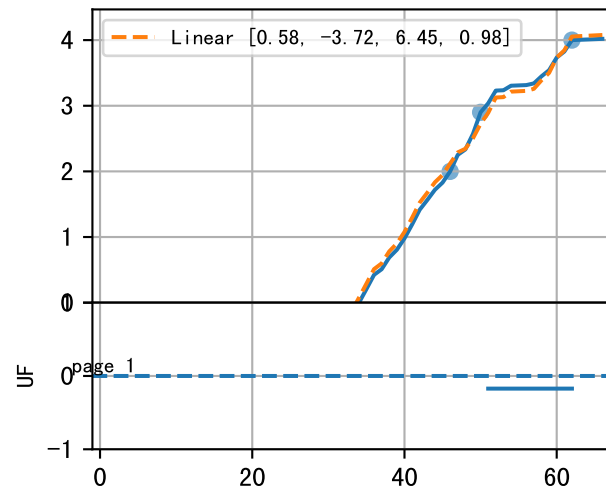
P10AW-017-16T2 (fit failed)

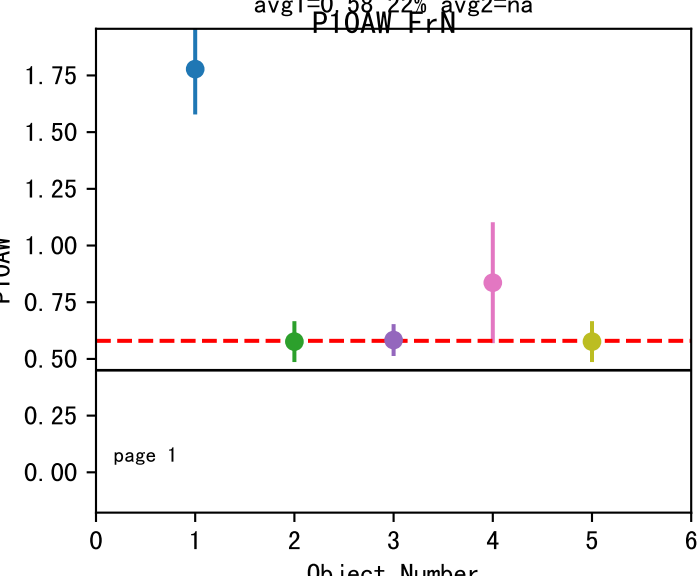


P10AW-025-3T1

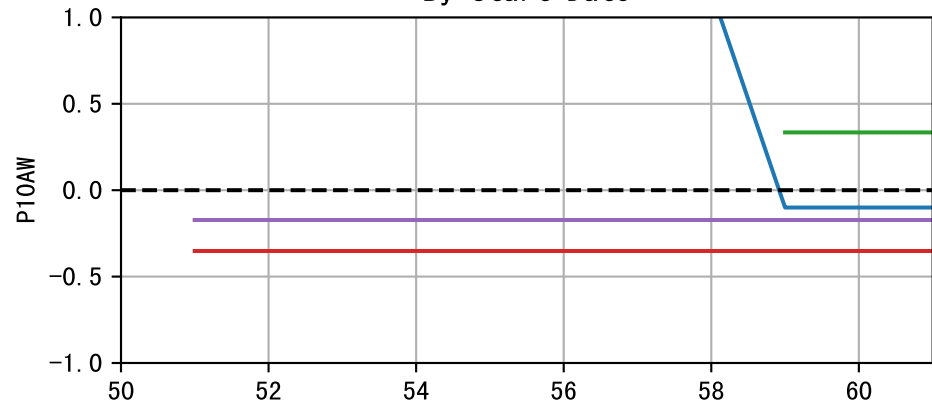


P10AW-032-33T1

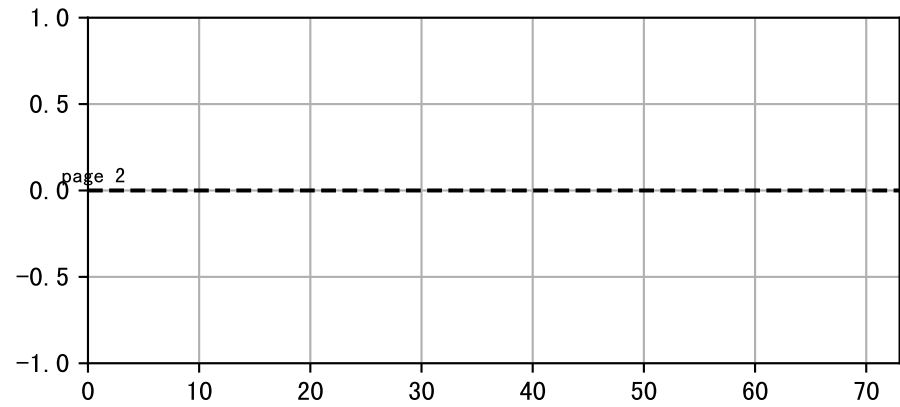
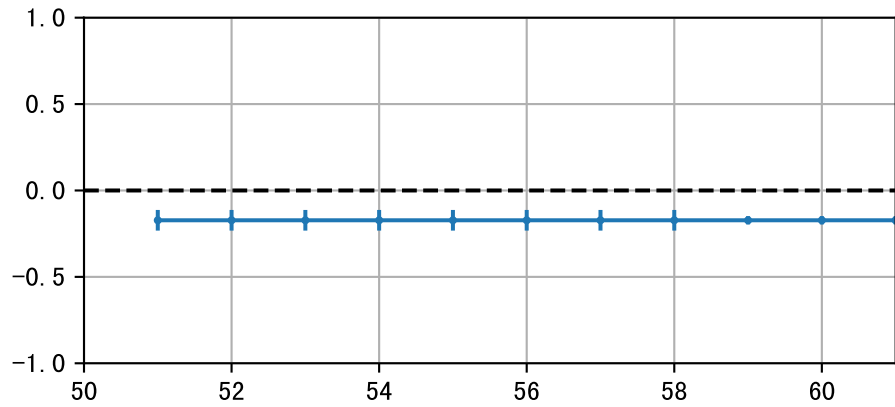
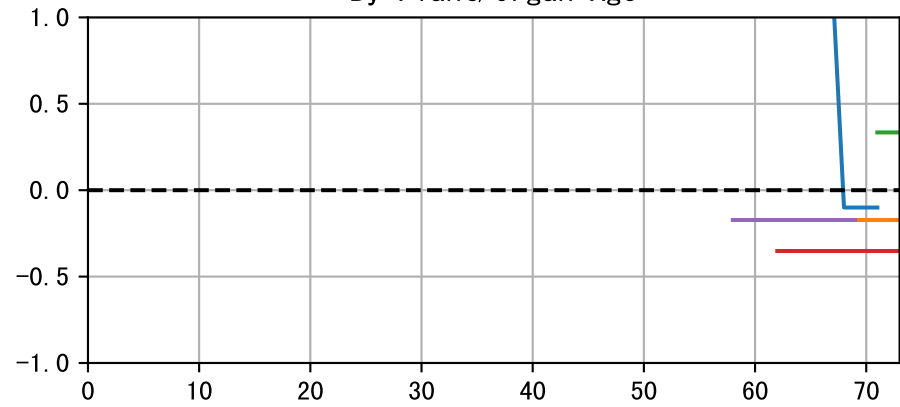




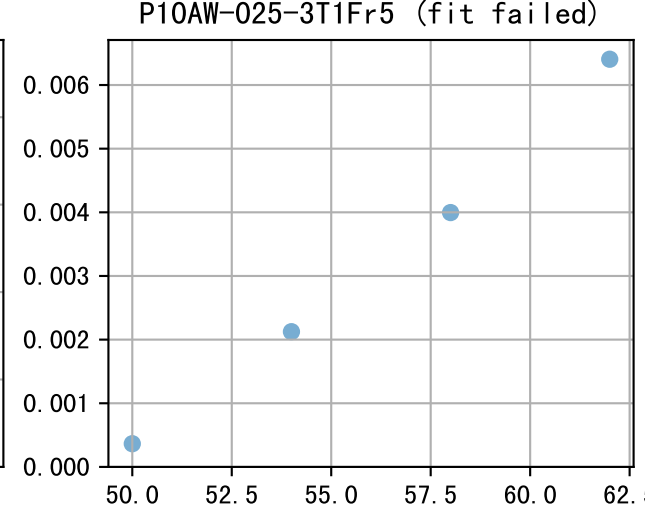
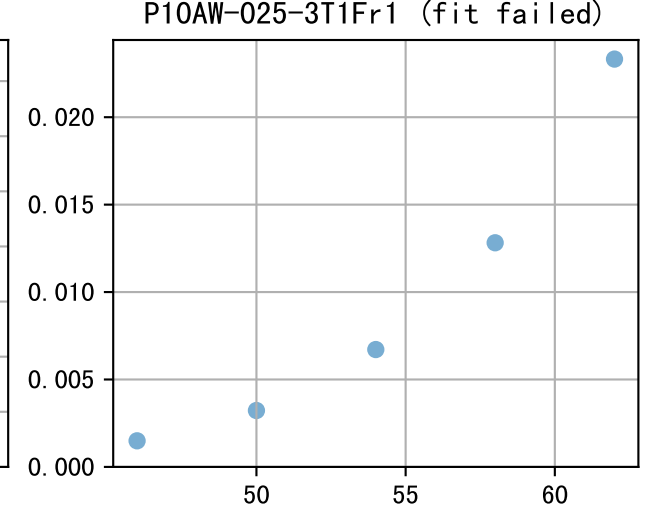
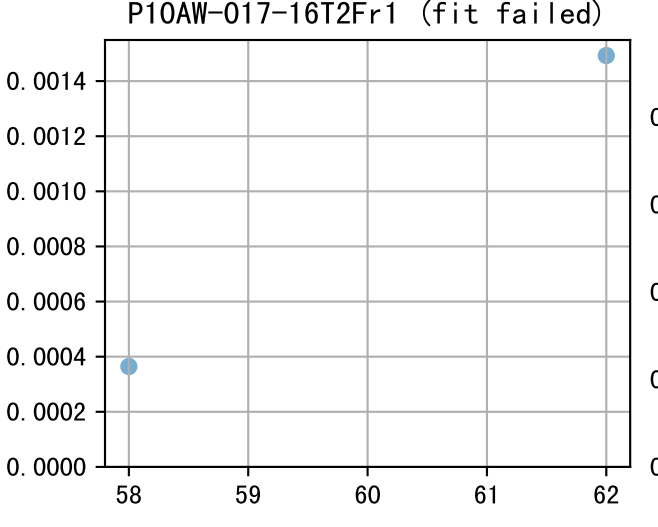
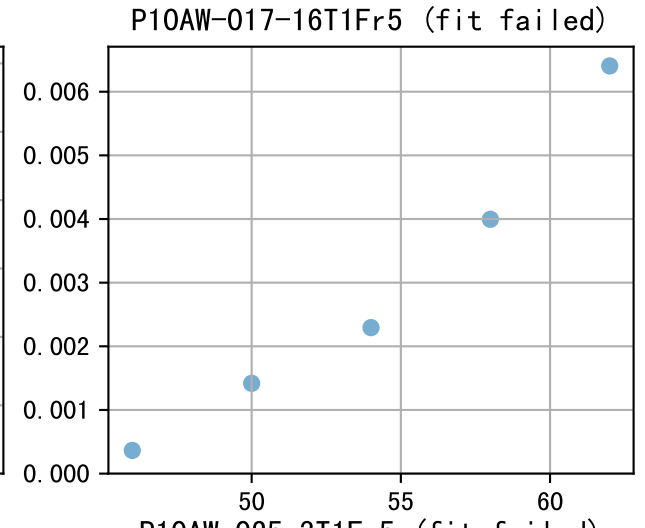
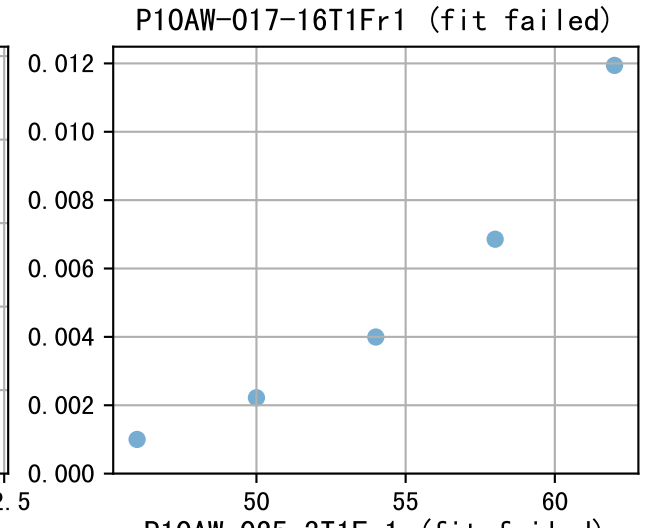
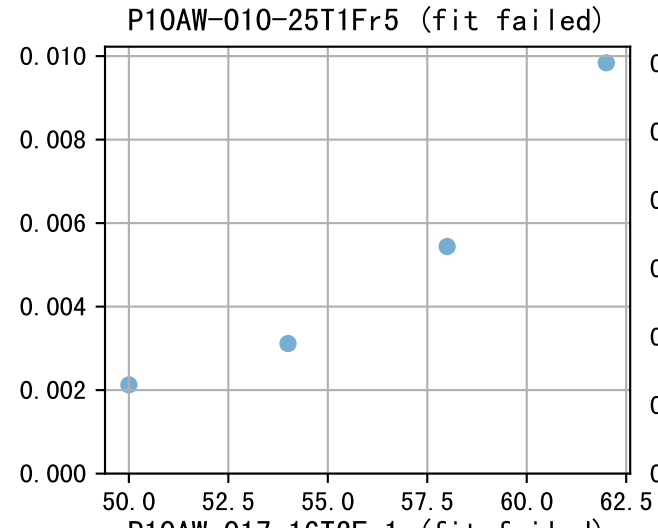
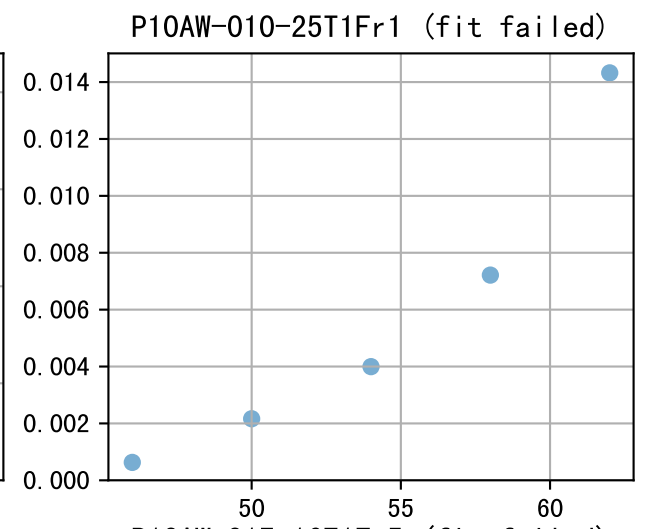
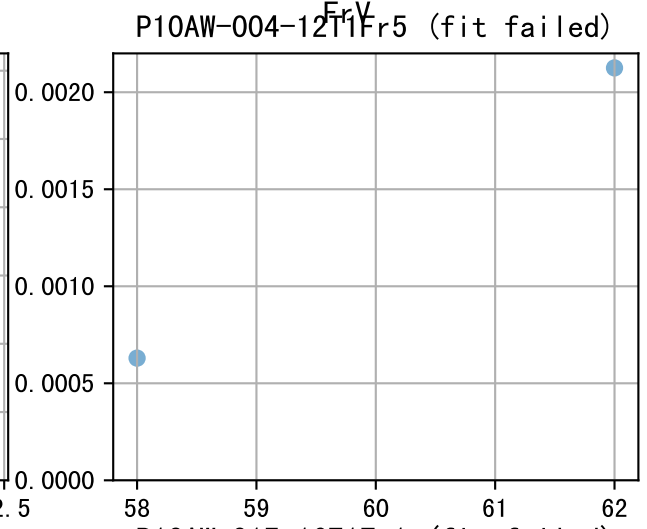
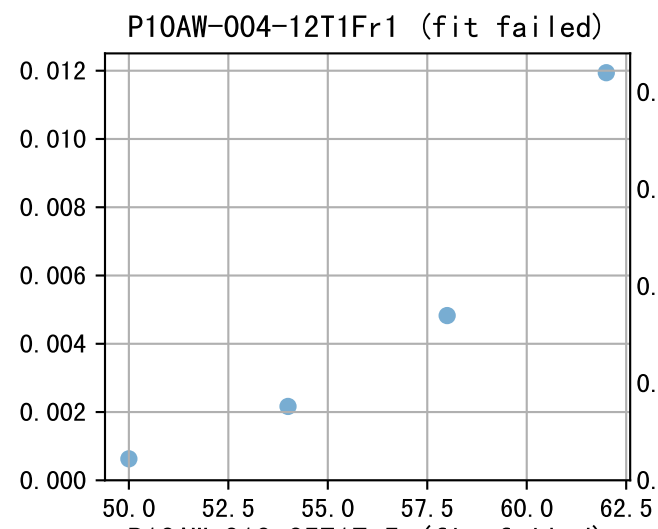
By Start Date



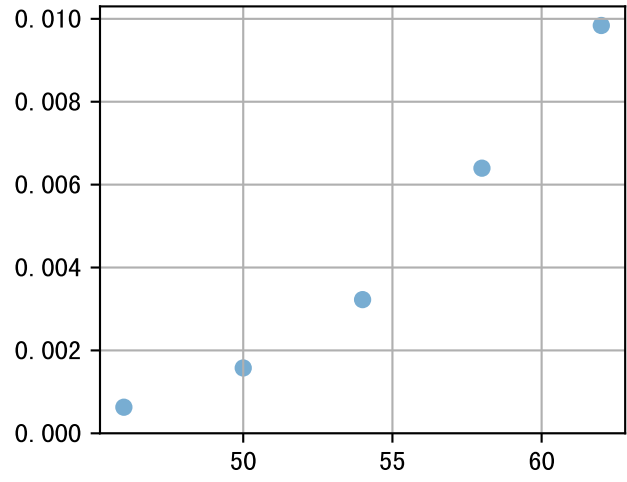
By Plant/Organ Age



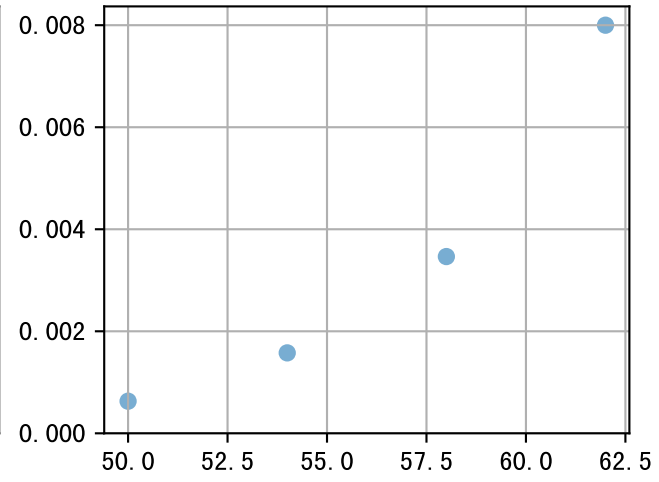
FrV



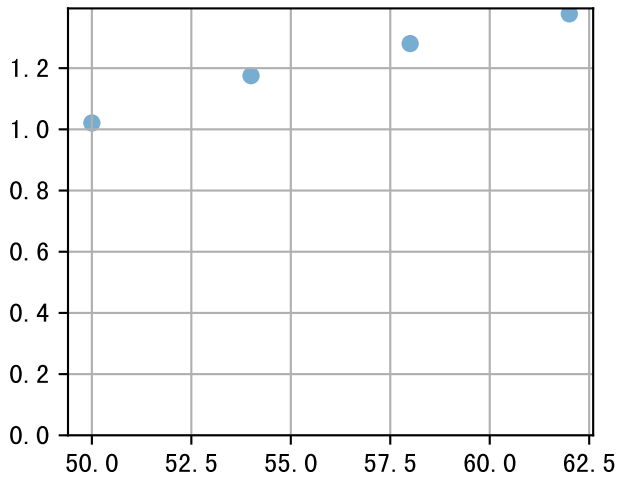
P10AW-032-33T1Fr1 (fit failed)



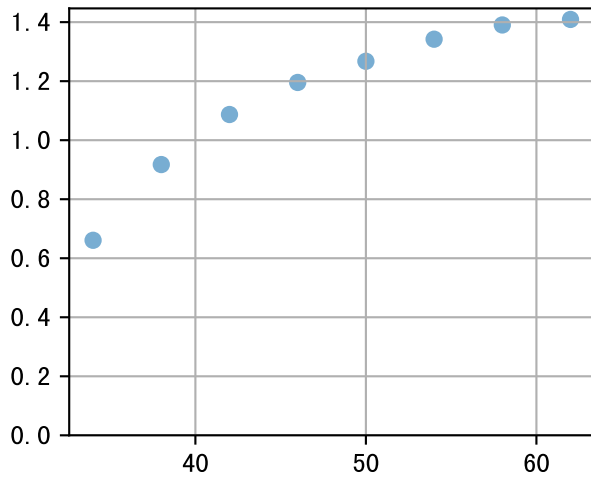
P10AW-032-33T1Fr5 (fit failed)



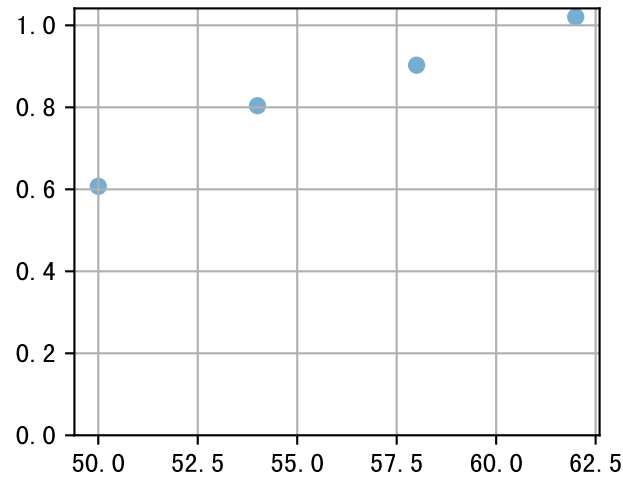
P10AW-004-12L10 (fit failed)



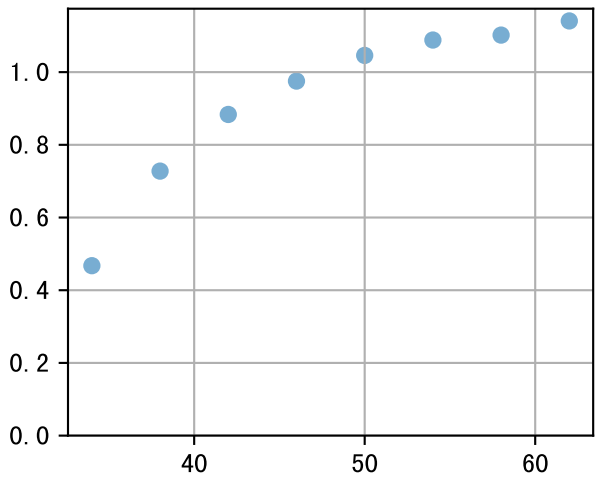
P10AW-004-12L7 (fit failed)



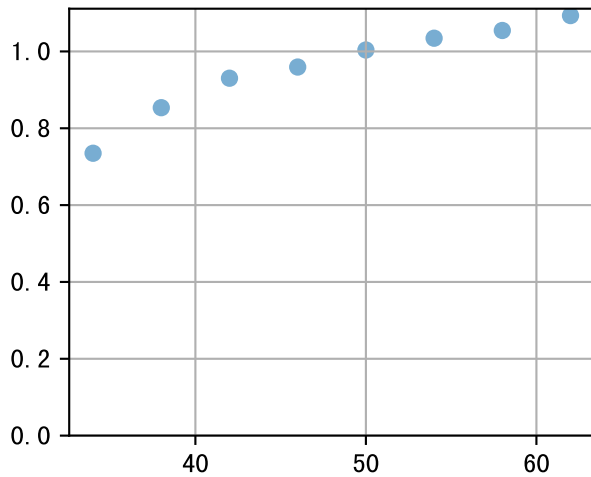
P10AW-010-25L10 (fit failed)



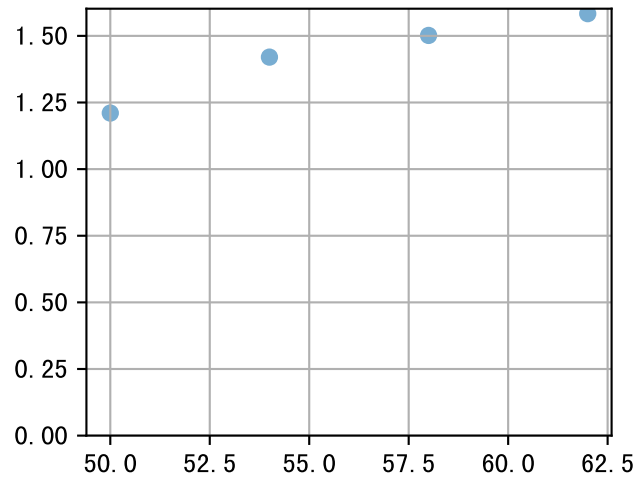
P10AW-010-25L7 (fit failed)



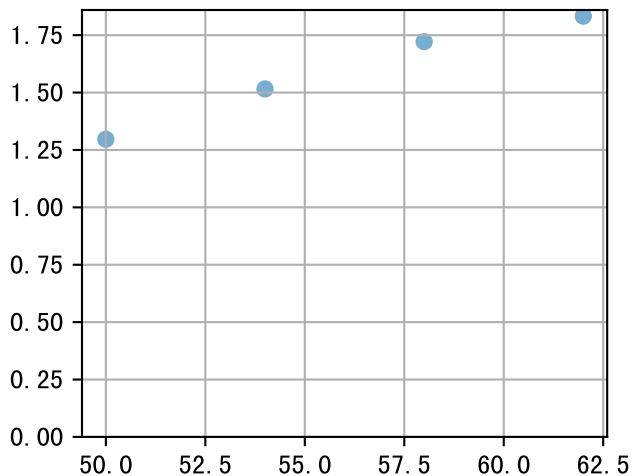
P10AW-017-16L6 (fit failed)



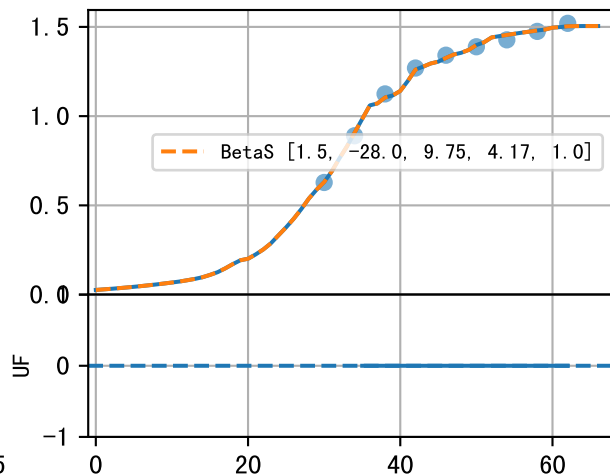
P10AW-017-16L9 (fit failed)



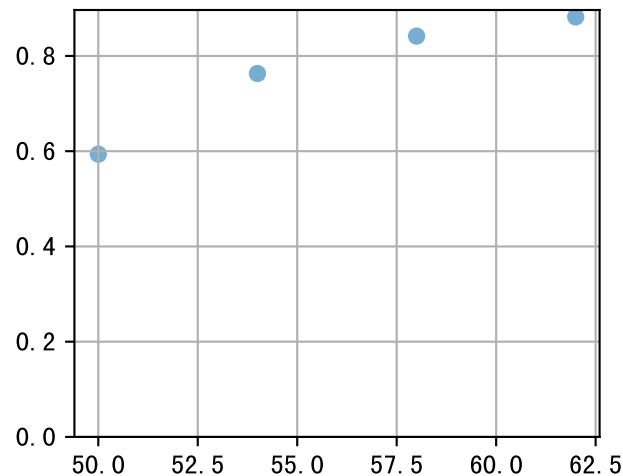
P10AW-025-3L10 (fit failed)



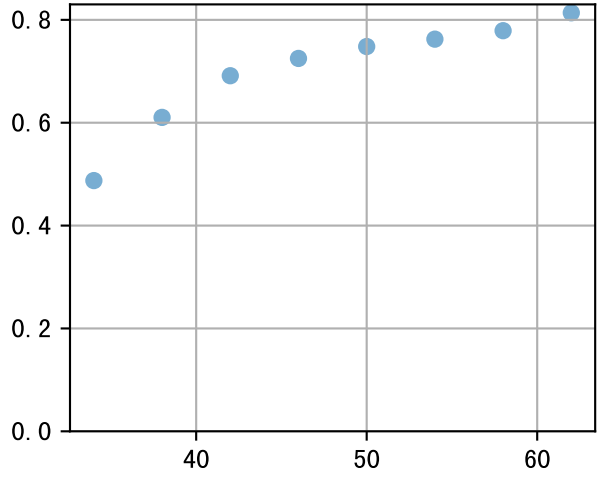
P10AW-025-3L7



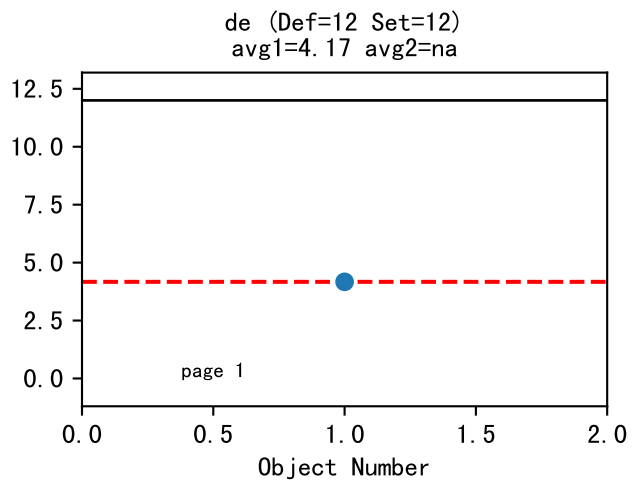
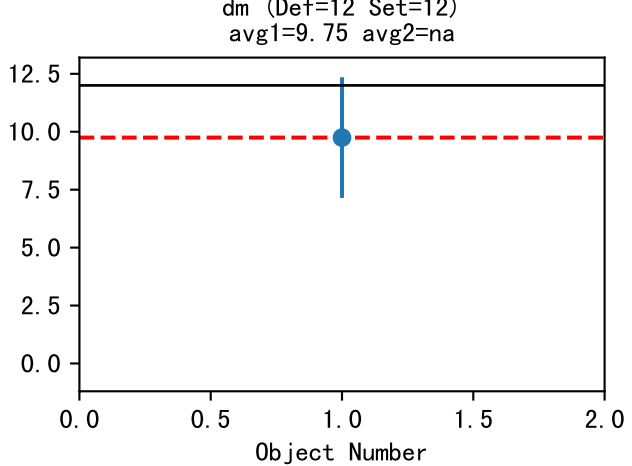
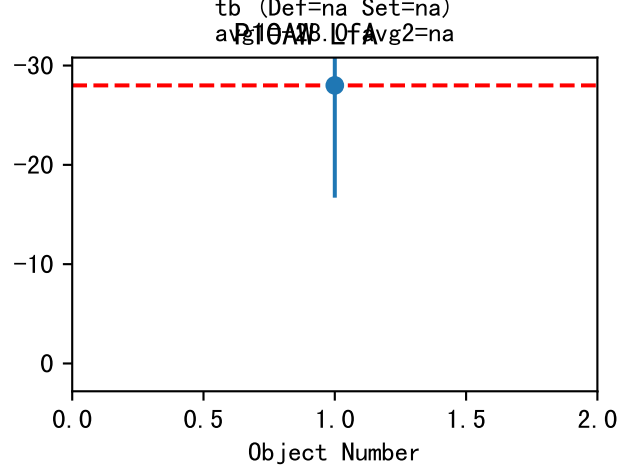
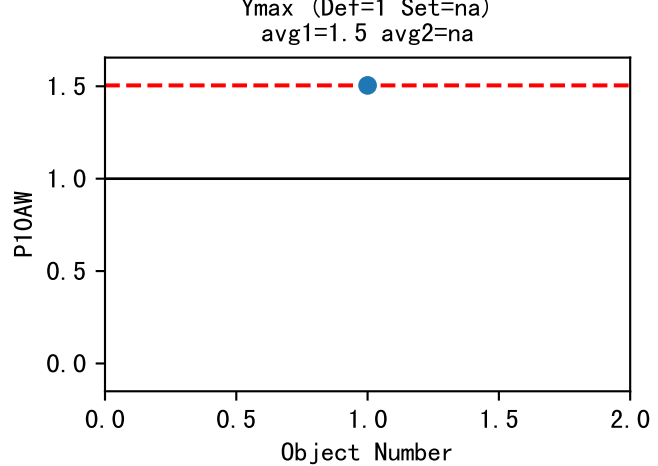
P10AW-032-33L10 (fit failed)



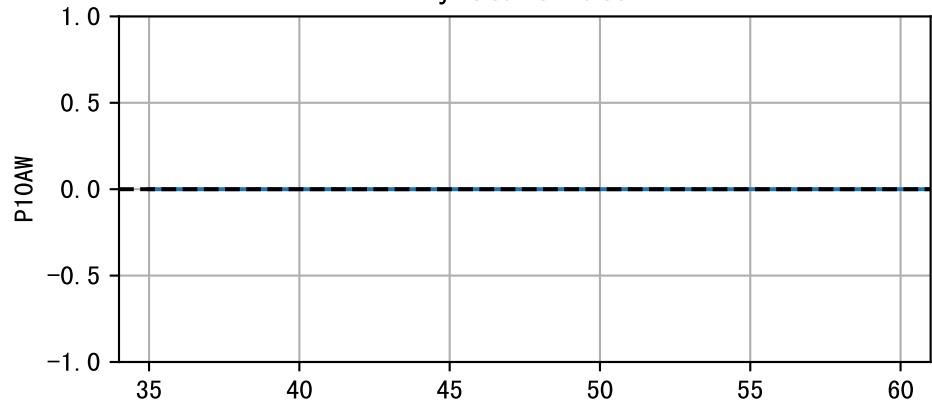
P10AW-032-33L7 (fit failed)



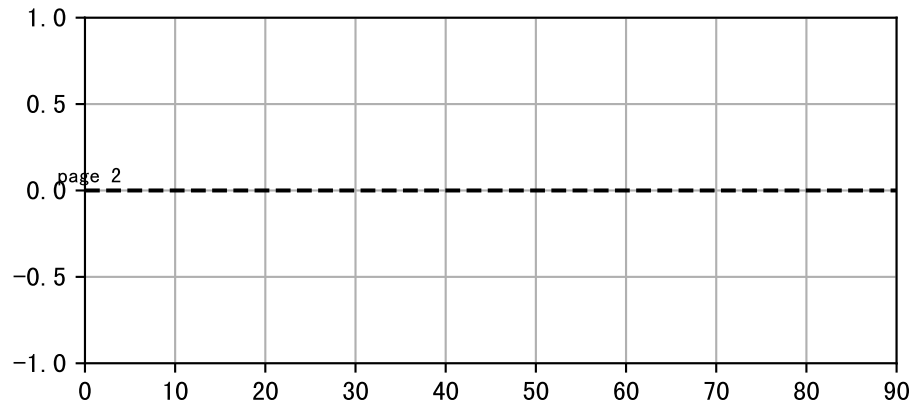
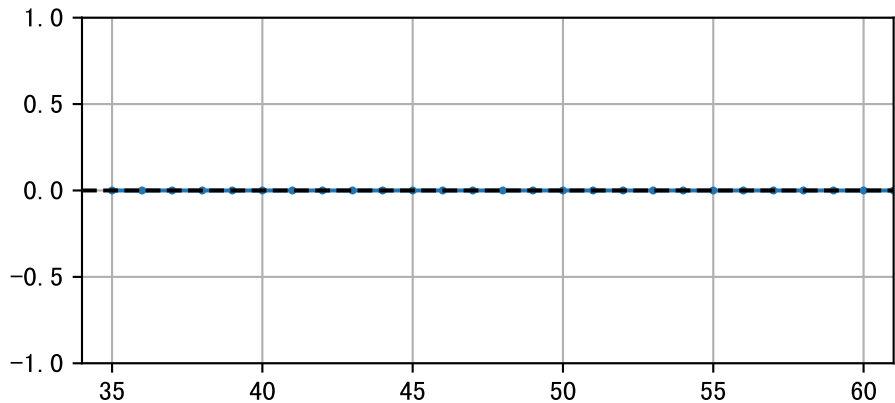
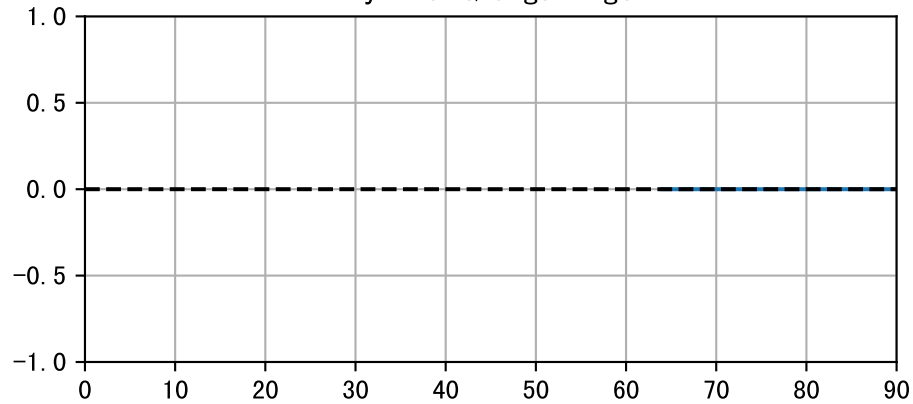
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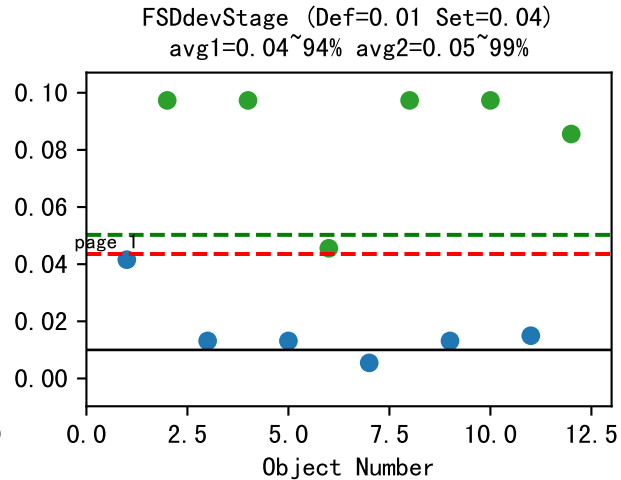
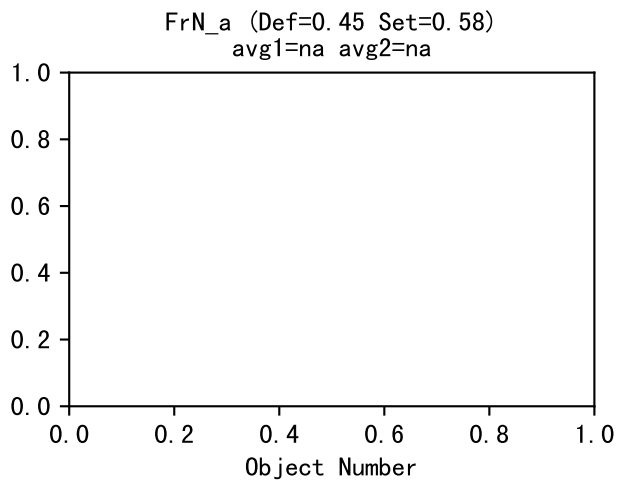
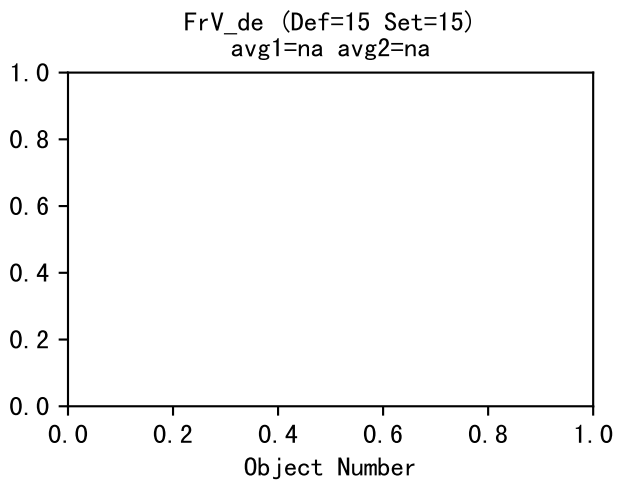
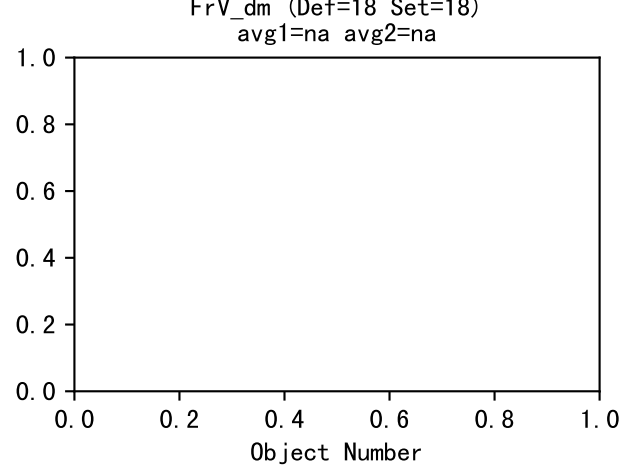
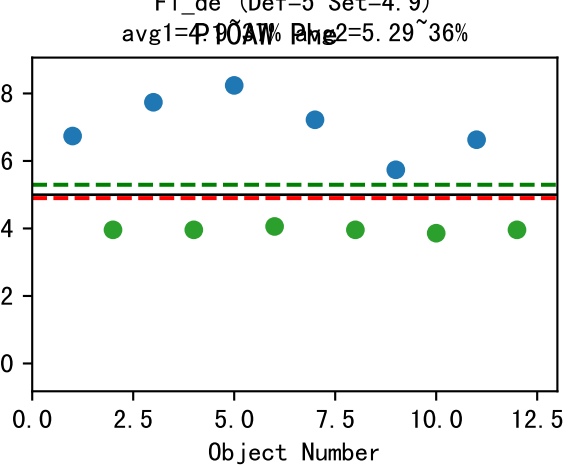
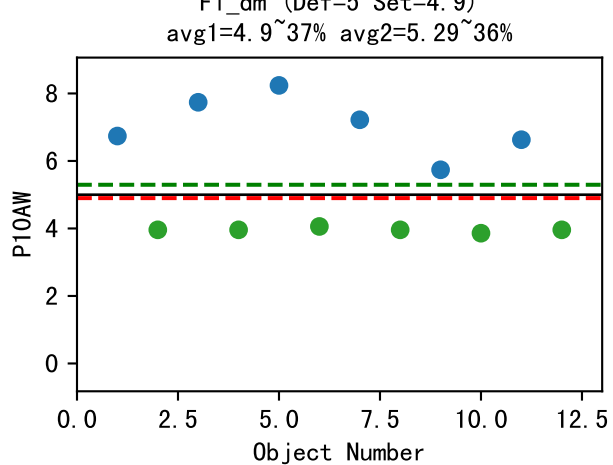


By Start Date

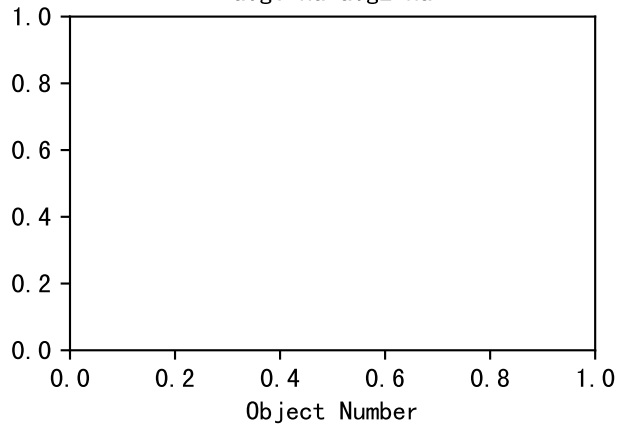


By Plant/Organ Age

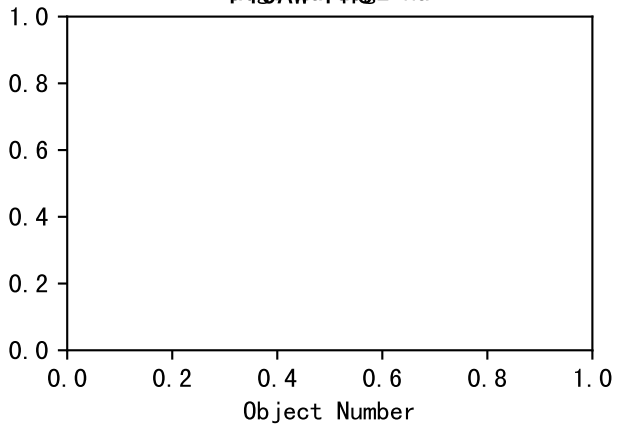




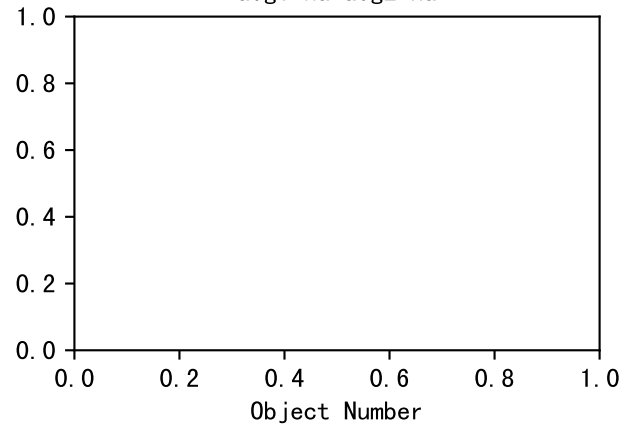
FGDdevStage (Def=0.7 Set=0.7)  
avg1=na avg2=na



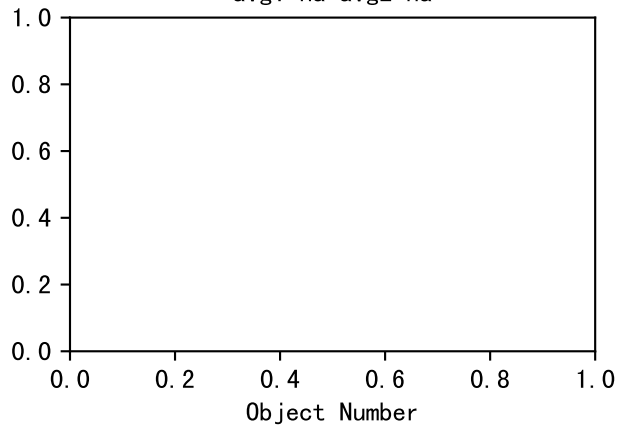
FMBDdevStage (Def=1.3 Set=1.3)  
avg1=na avg2=na



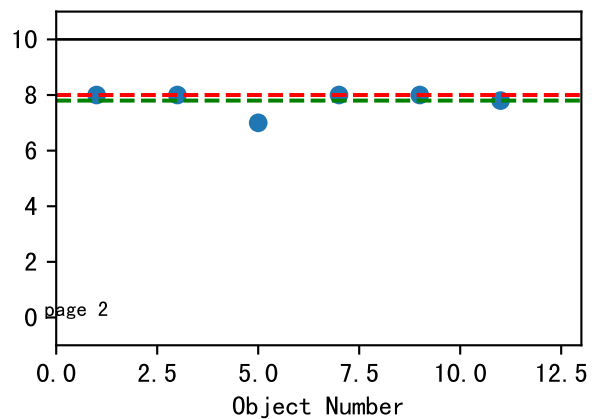
FMEDdevStage (Def=1.8 Set=1.8)  
avg1=na avg2=na



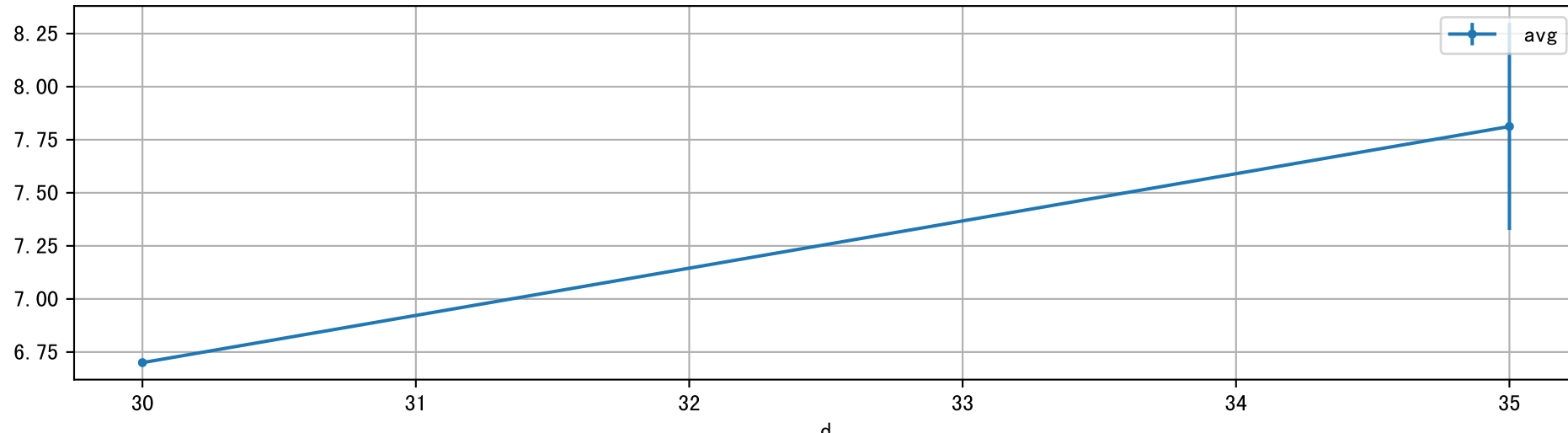
FHDdevStage (Def=1.5 Set=1.5)  
avg1=na avg2=na



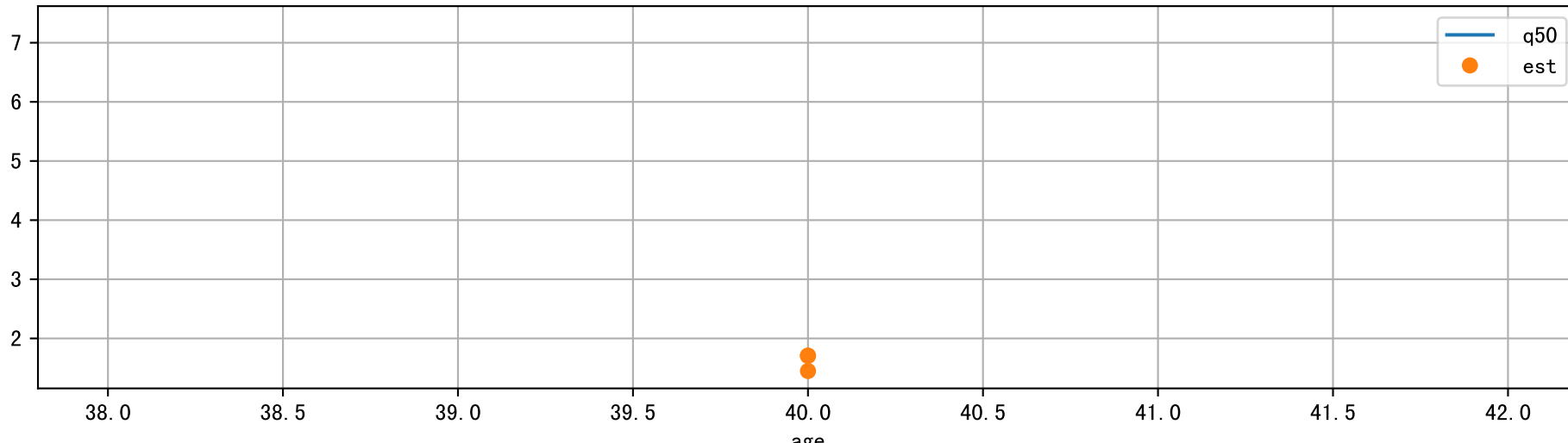
NNgen (Def=10 Set=8)  
avg1=8.0~0% avg2=7.8



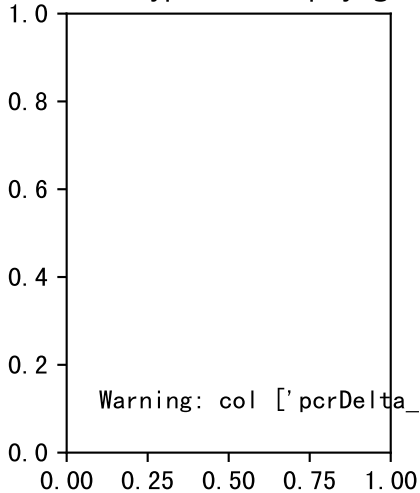
NdD: avg vs. d at each age group  
age=40



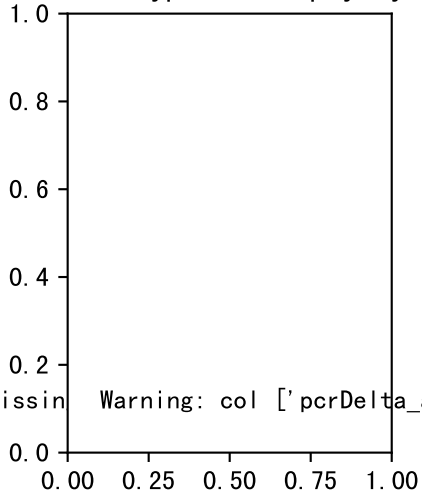
NdD: model est vs obs0v@Q50



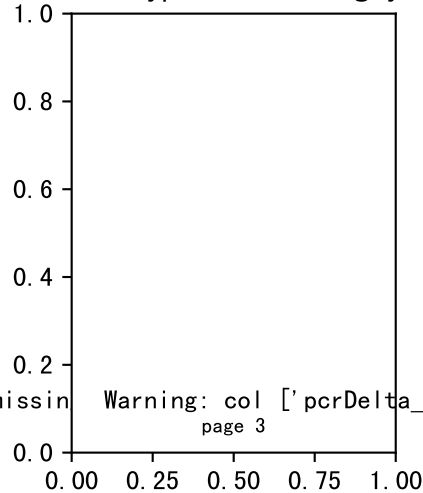
DeltaTypeAbbr=GrpByAge



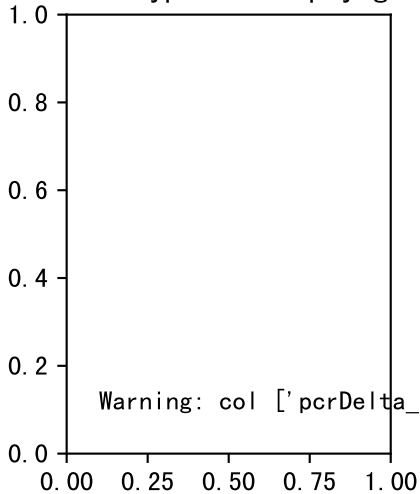
DeltaTypeAbbr=GrpByDay



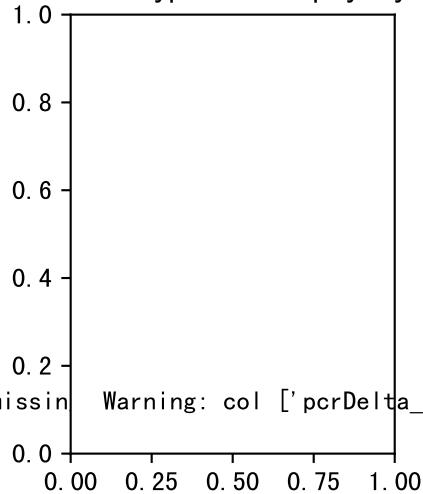
DeltaTypeAbbr=WeiAvgByD



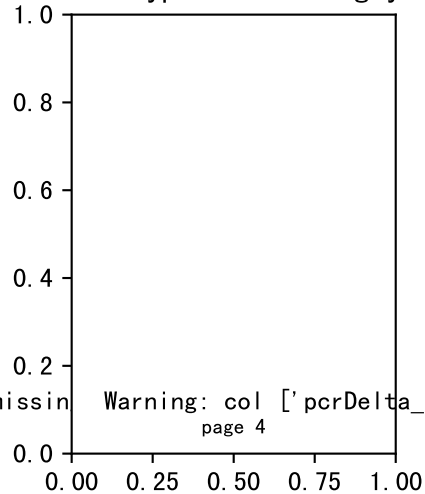
DeltaTypeAbbr=GrpByAge



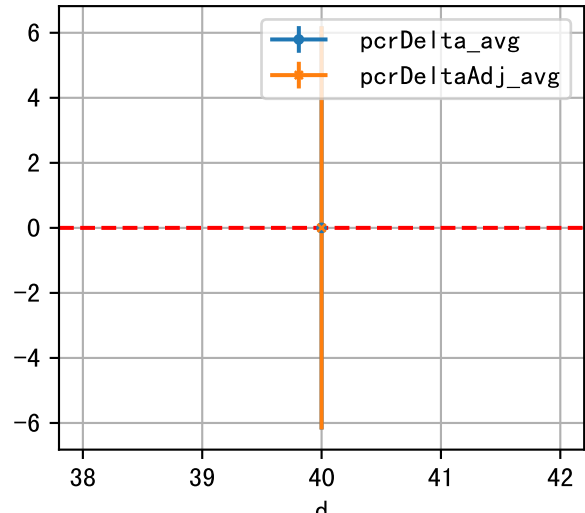
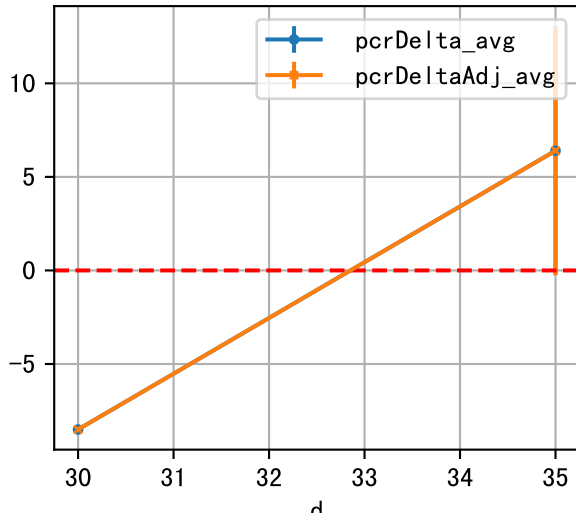
DeltaTypeAbbr=GrpByDay



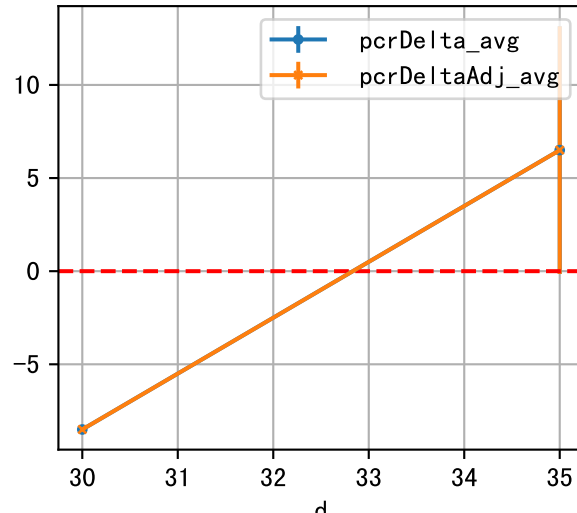
DeltaTypeAbbr=WeiAvgByD



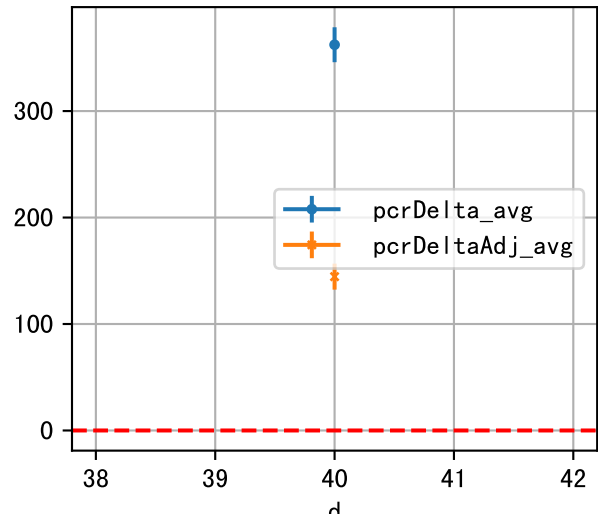
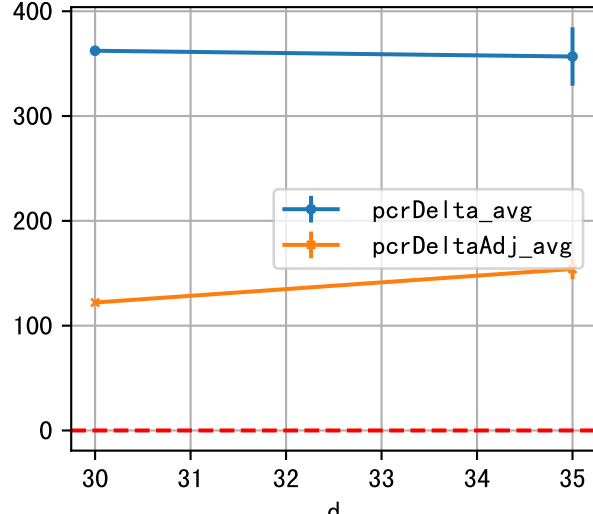
DeltaTypeAbbr=GrpByAge

P10AW NdD: D Q50 NdD  
DeltaTypeAbbr=GrpByDay

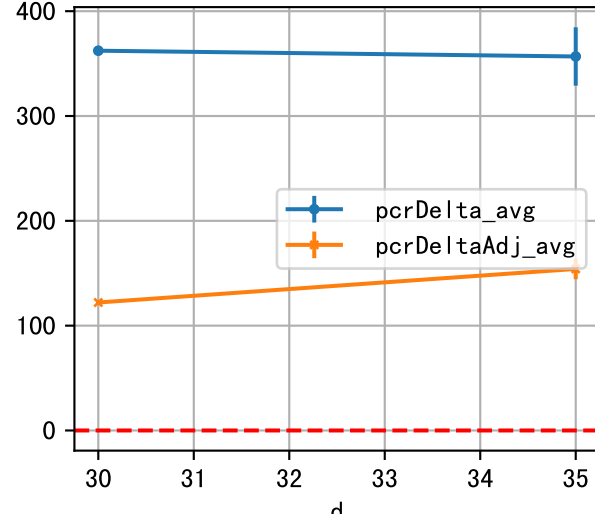
DeltaTypeAbbr=Wei AvgByD



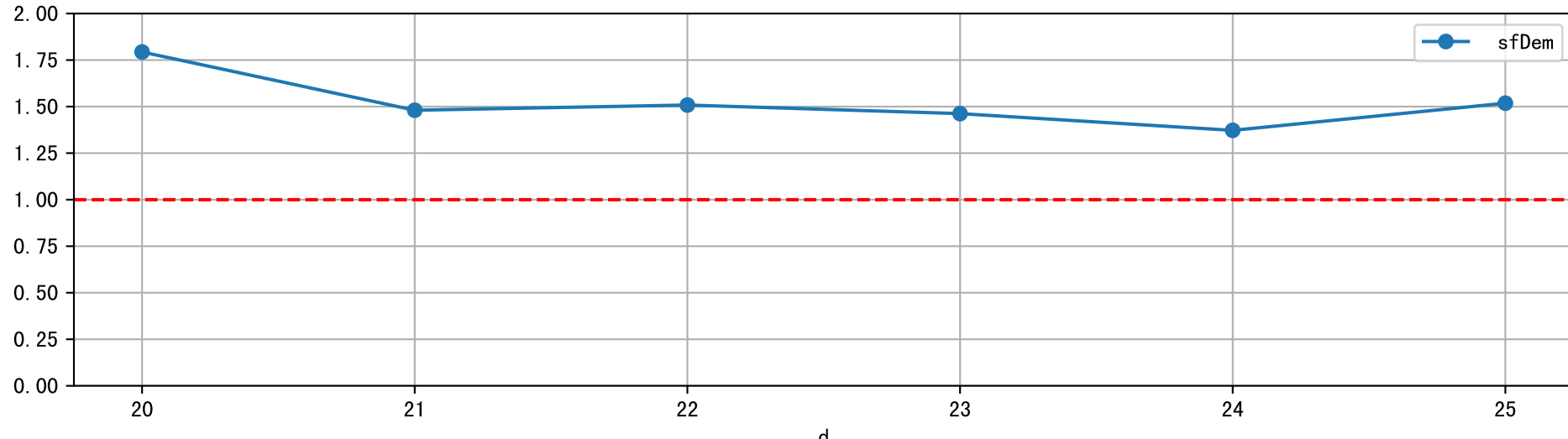
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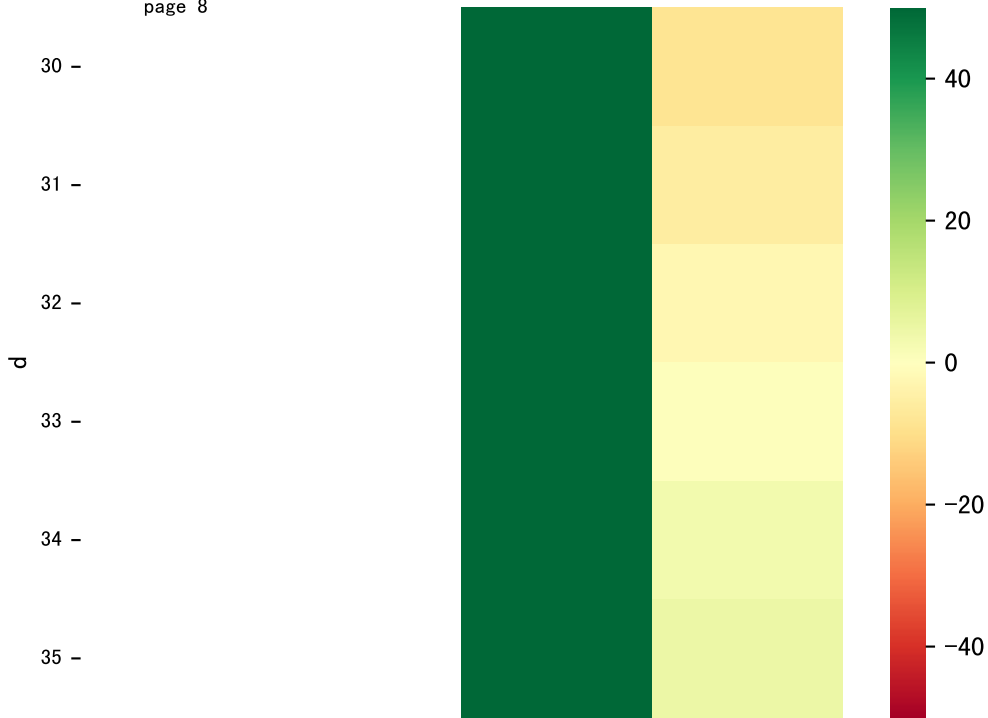
P10AW NdD: D\_Est\_NdD  
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

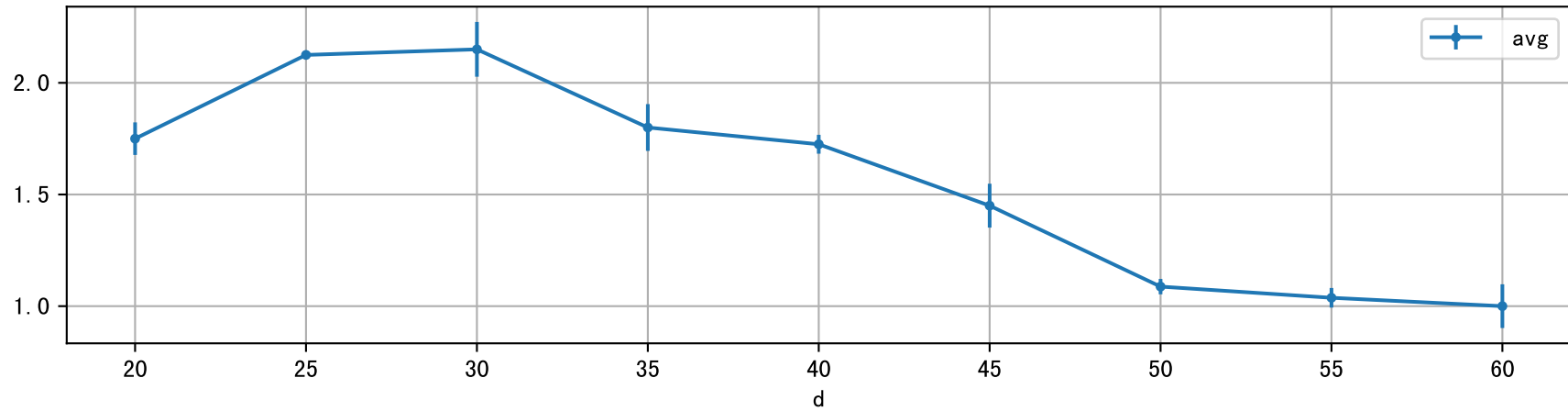


NdD: sfDem

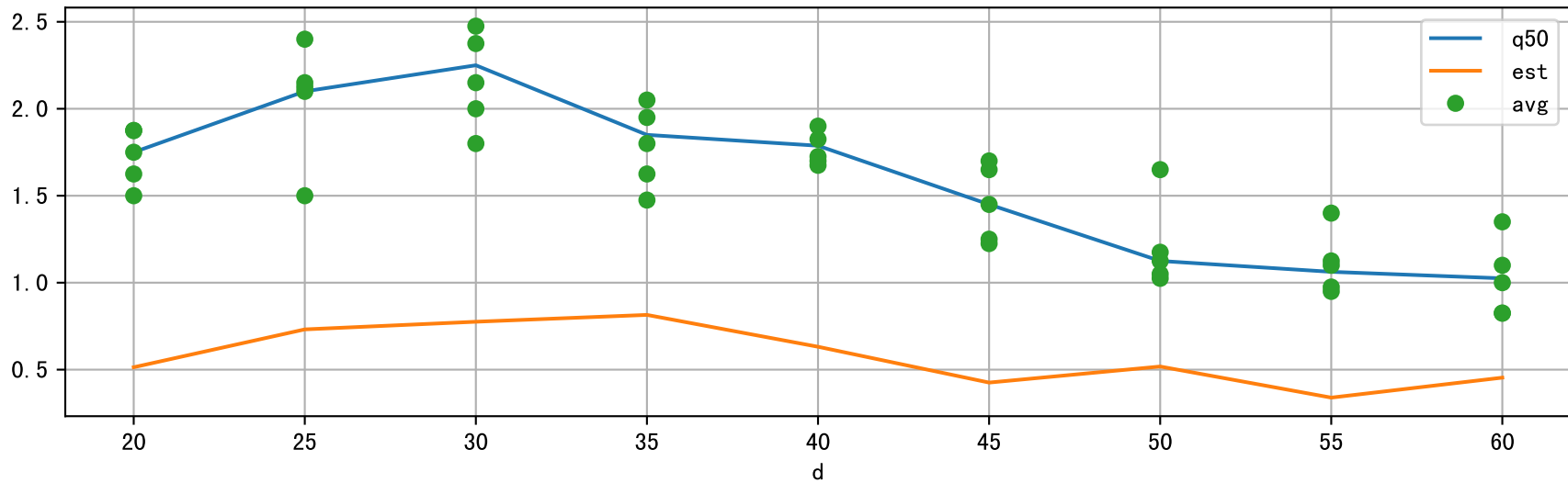




dStH: avg vs. d

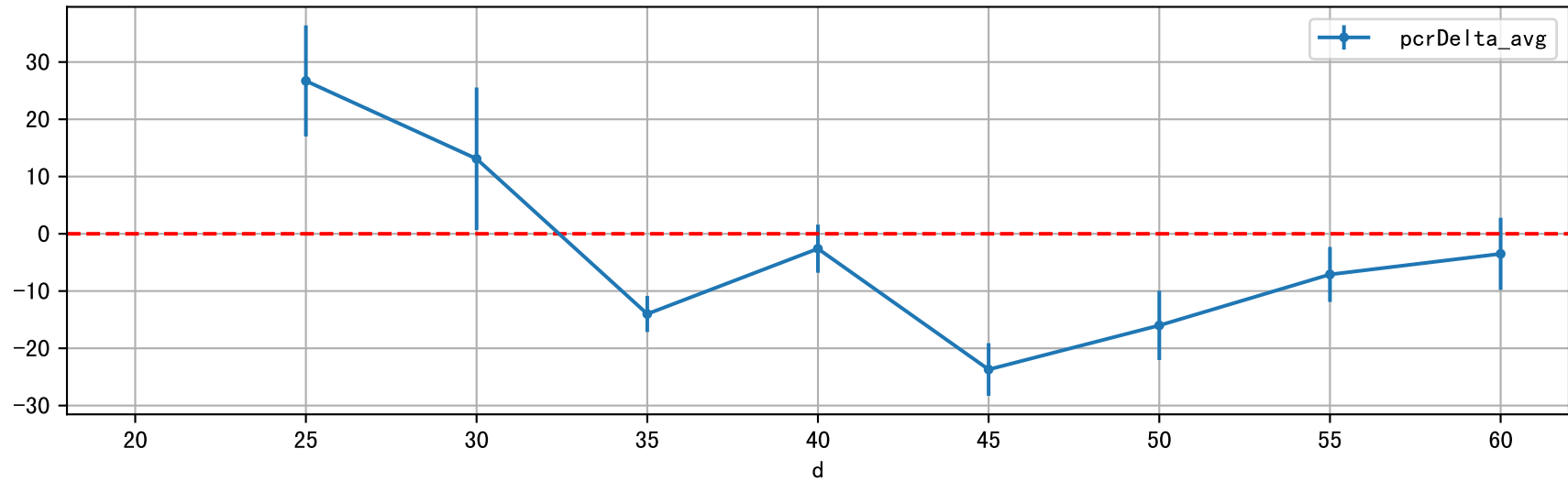


dStH: obsAvg vs obs0v@Q50

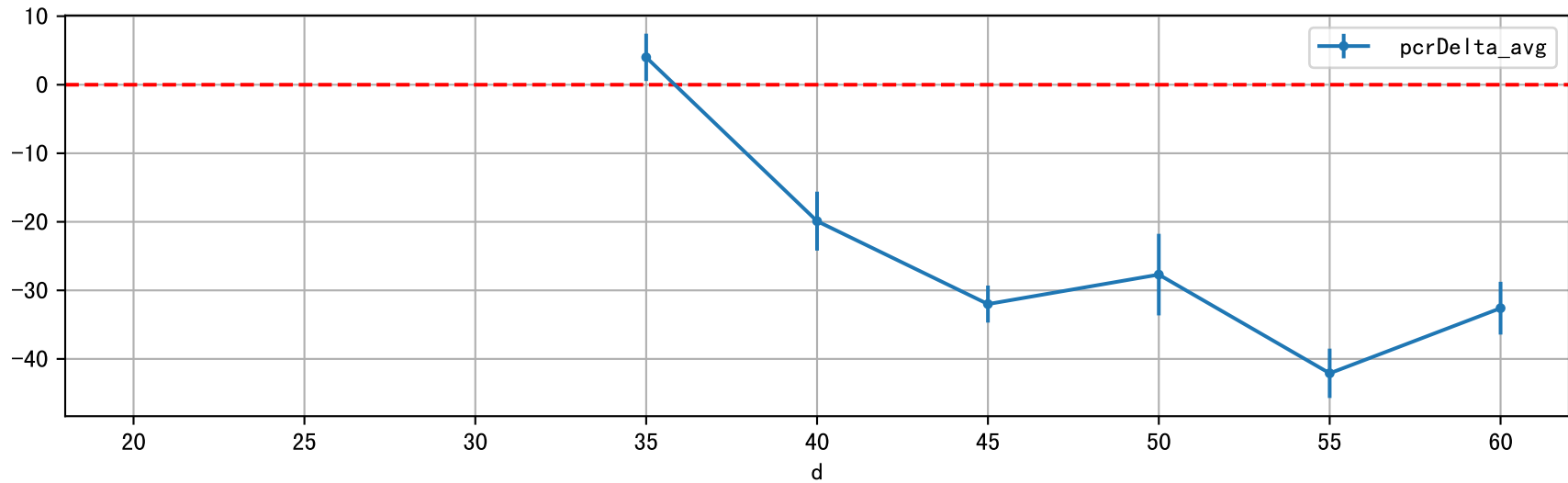


e 10

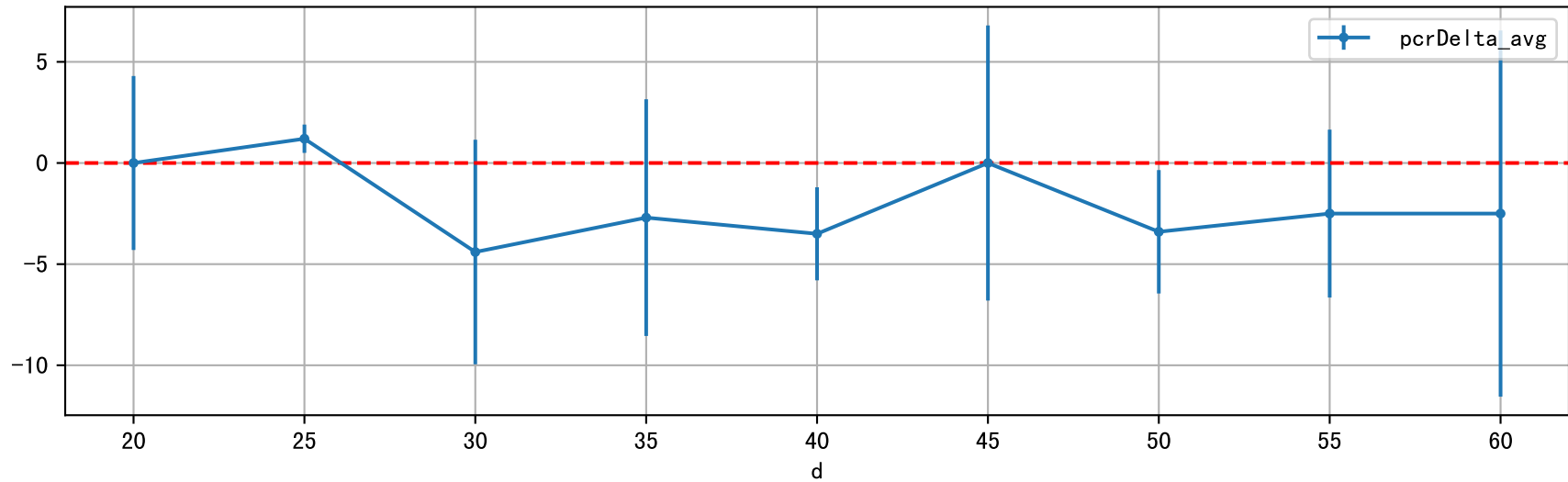
dStH: D\_5d\_StH



dStH: D\_15d\_StH

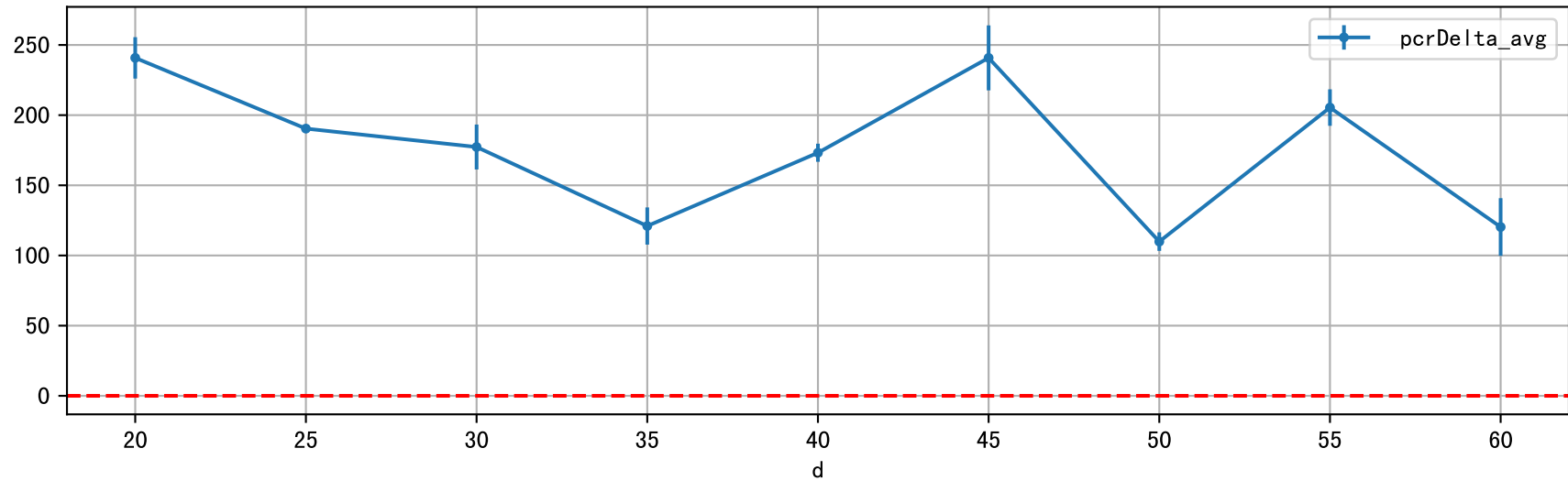


dStH: D\_Q50\_StH

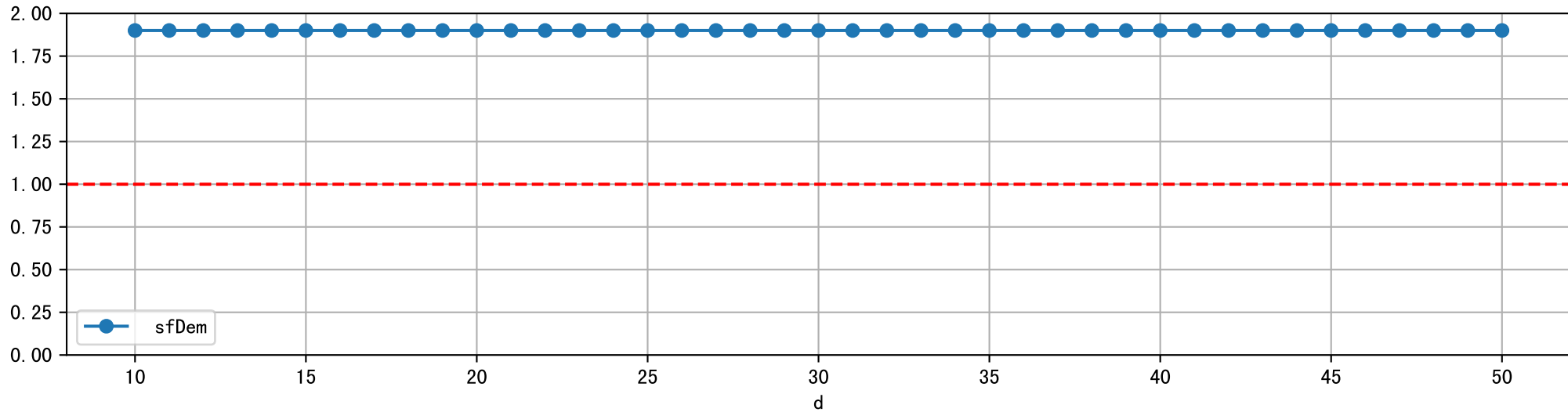


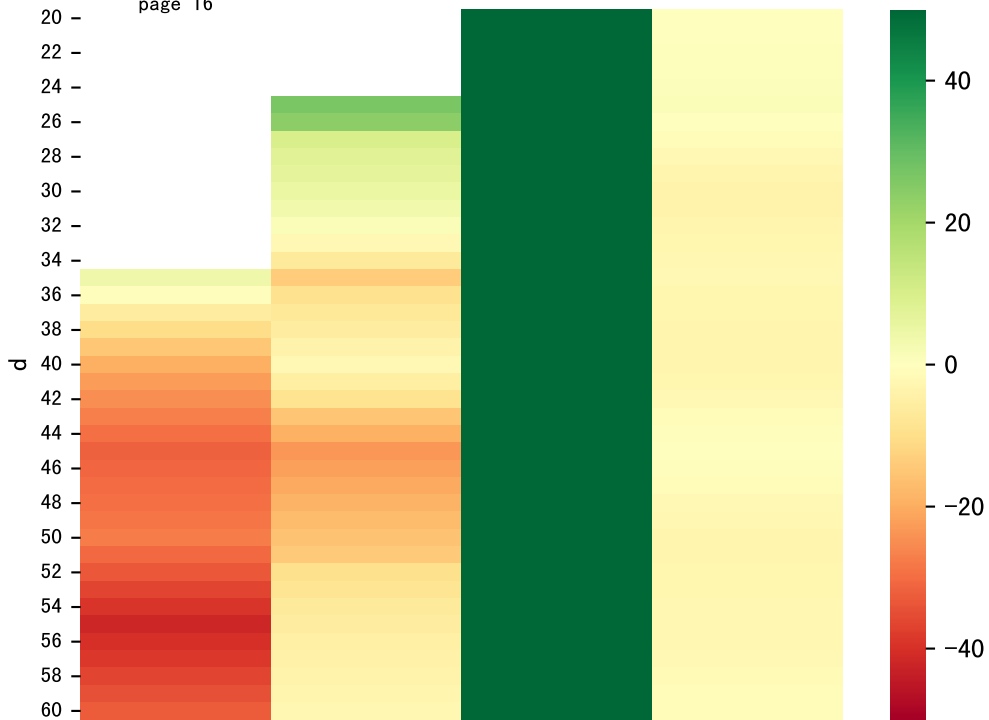
e 13

dStH: D\_Est\_StH



dStH: sfDem

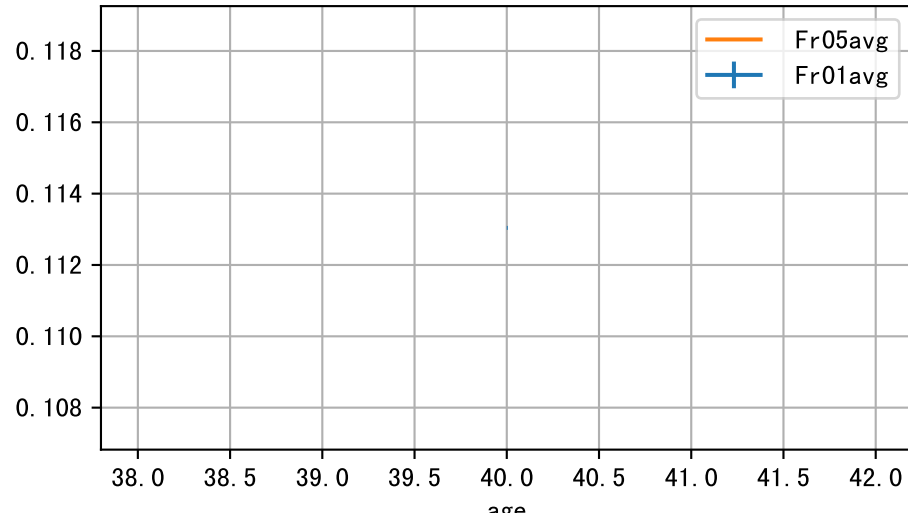
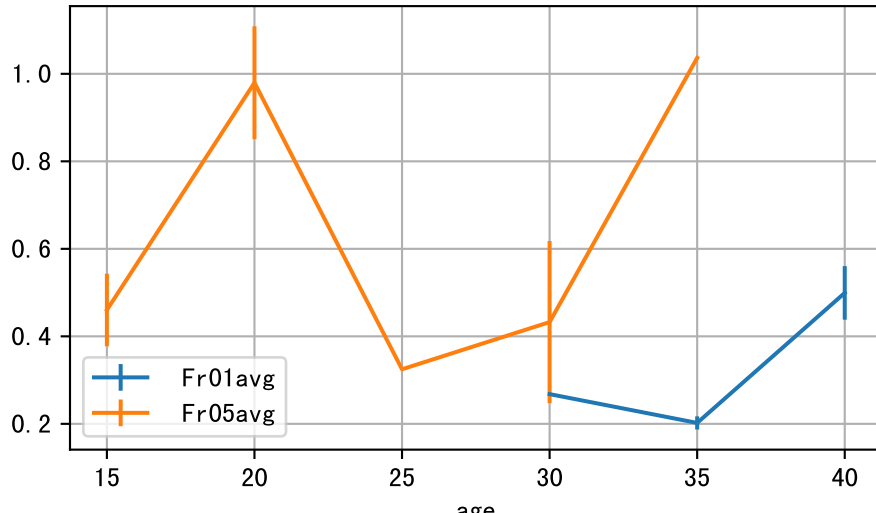




organID=T01

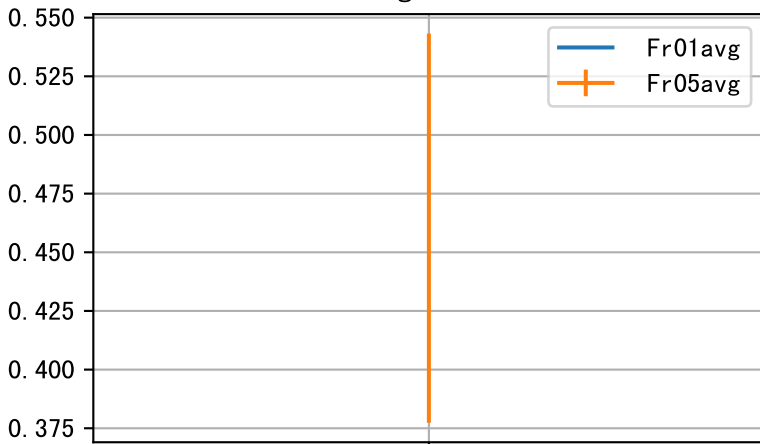
FrV: Fr01 vs Fr05 at each truss

organID=T02

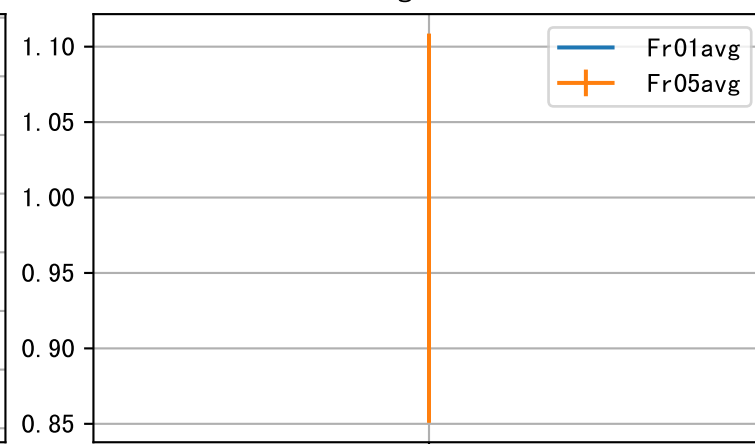


# FrV trend at each age

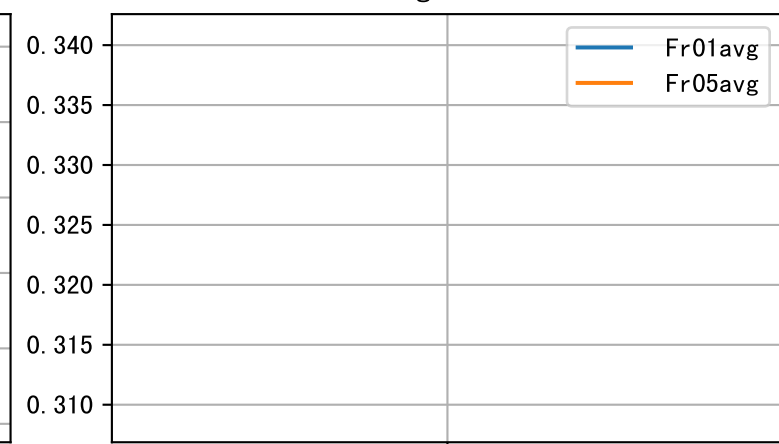
age=15



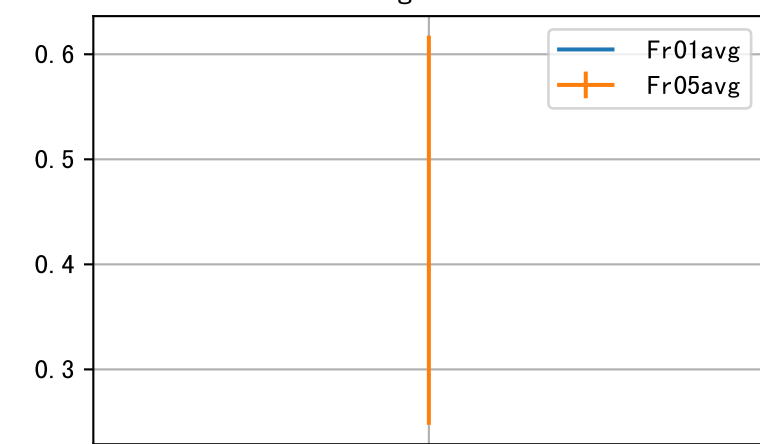
age=20



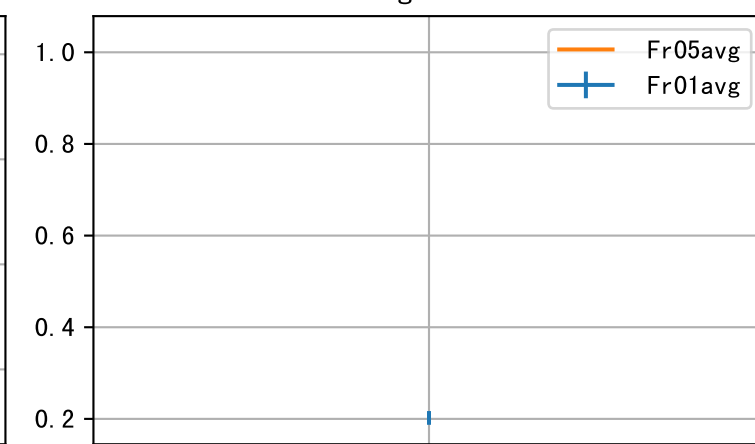
age=25



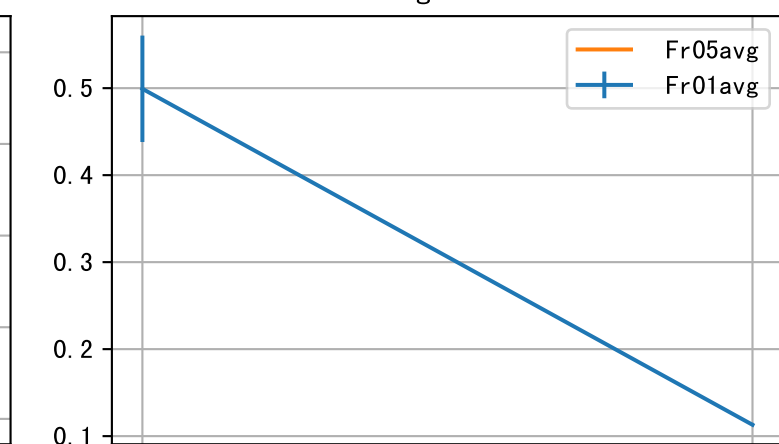
age=30



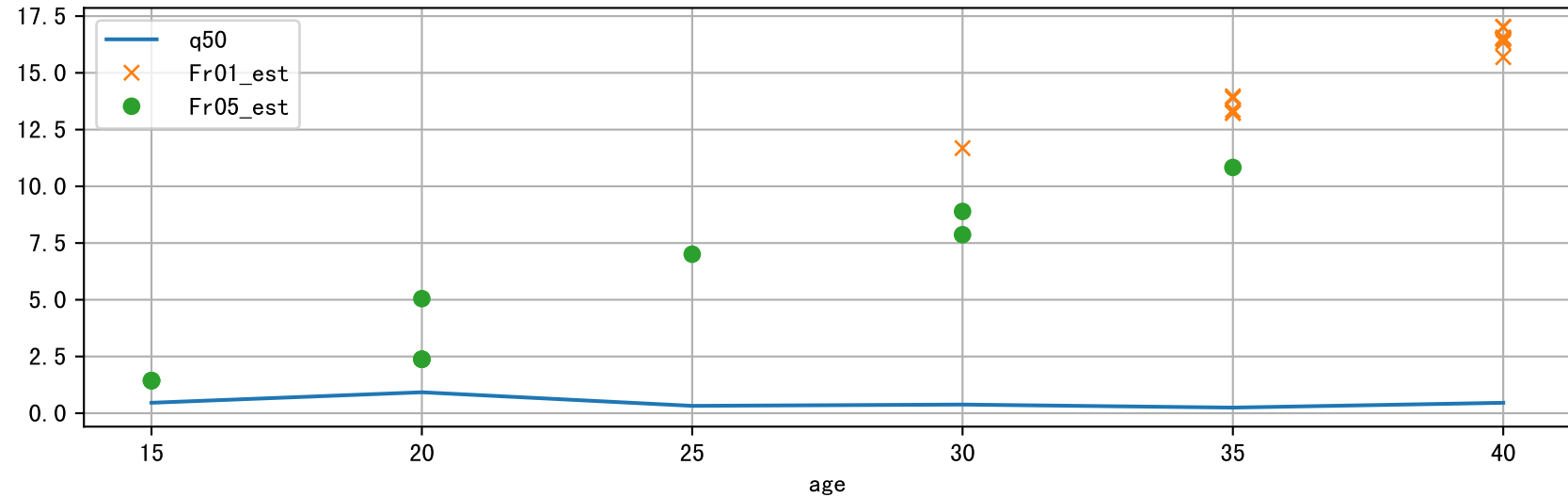
age=35



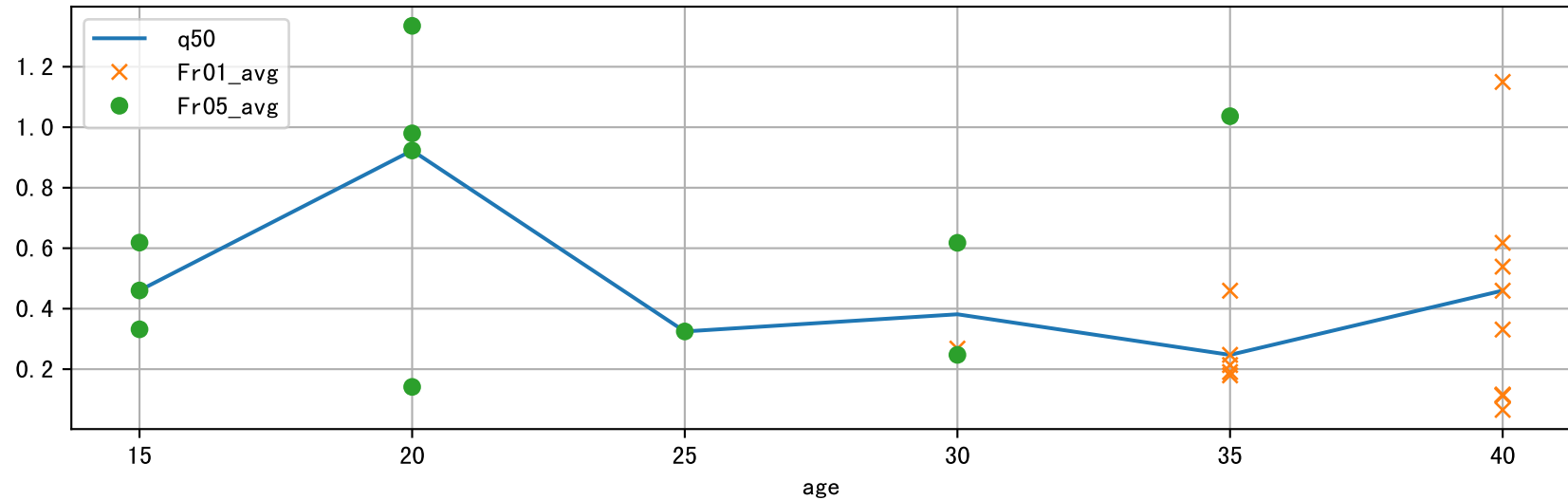
age=40



FrV: model Est vs obsFrV at Q90

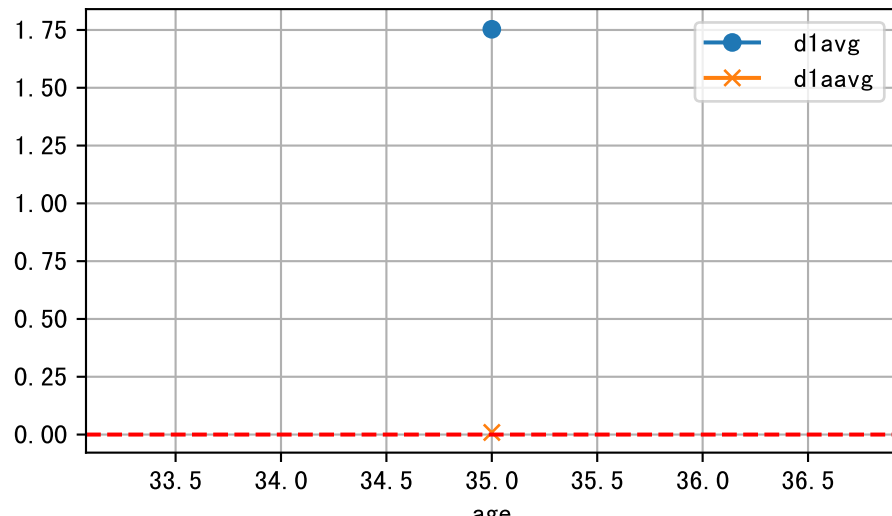


FrV: obsFrV vs obsFrV@Q90

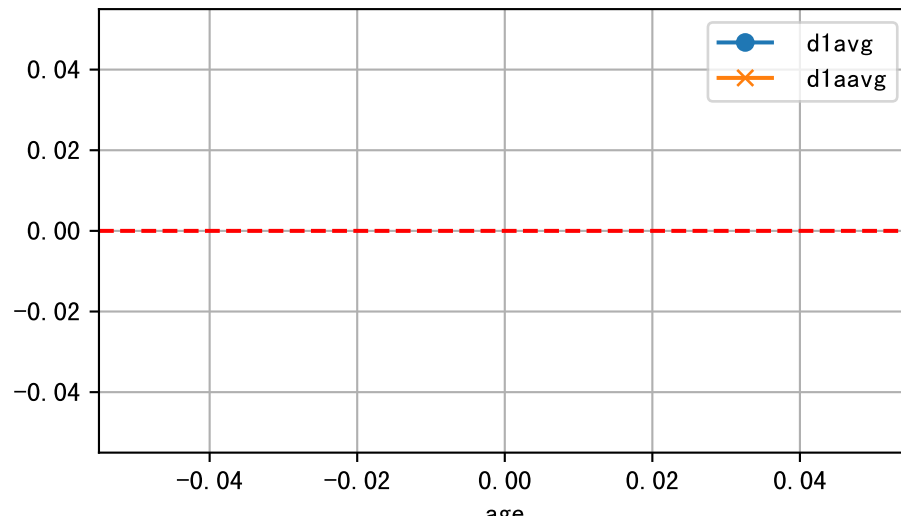


FrV: D\_Fr1\_FrV

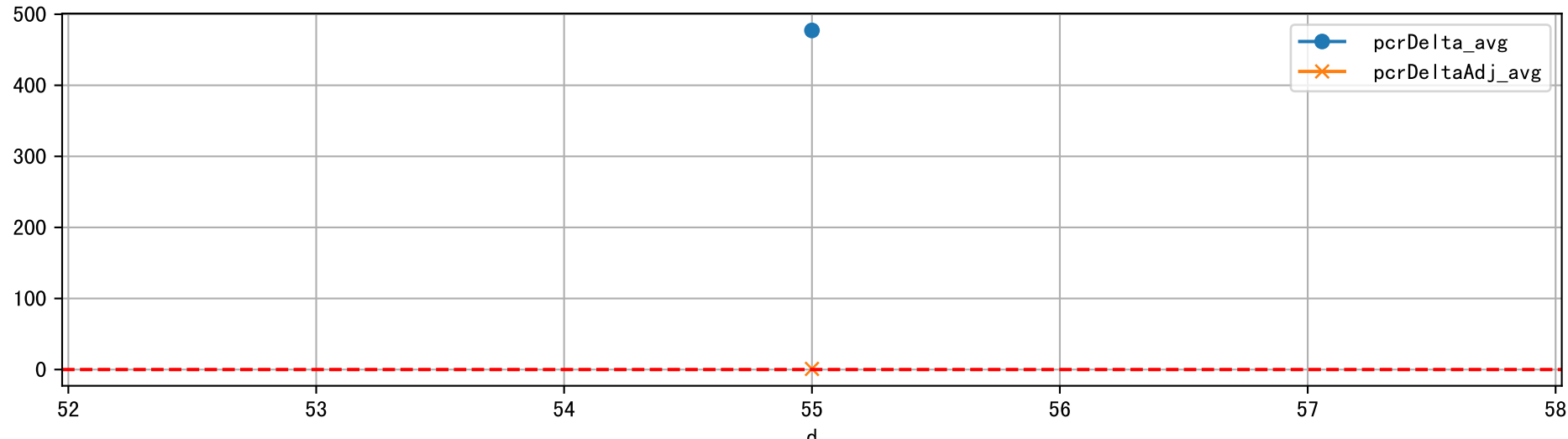
organID=1



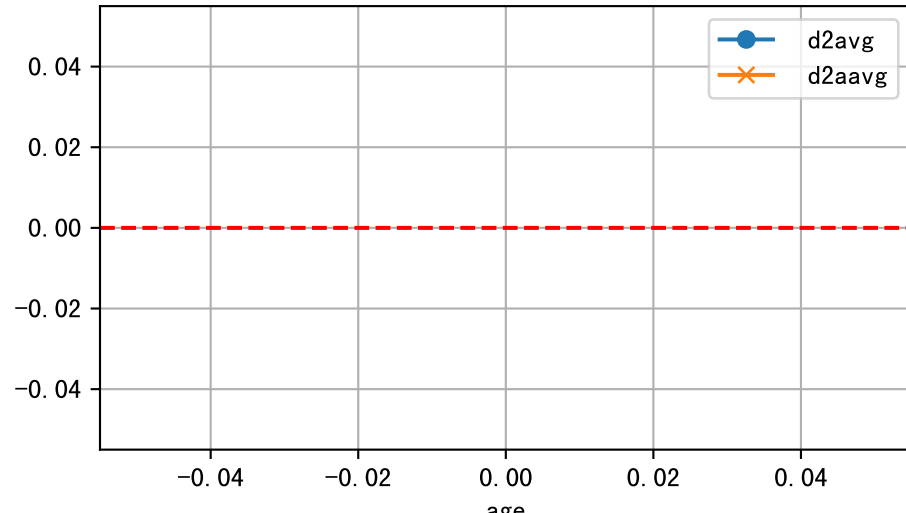
organID=2



P10AW FrV: D\_Fr1\_FrV

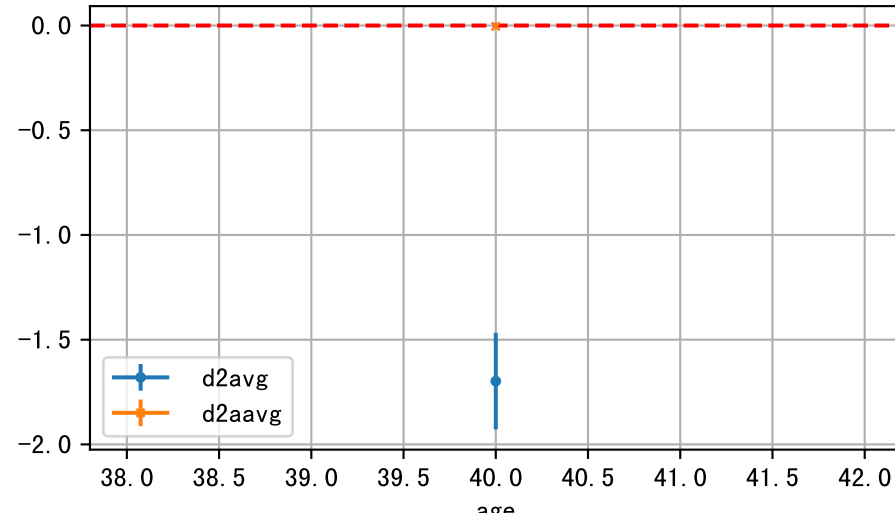


organID=1

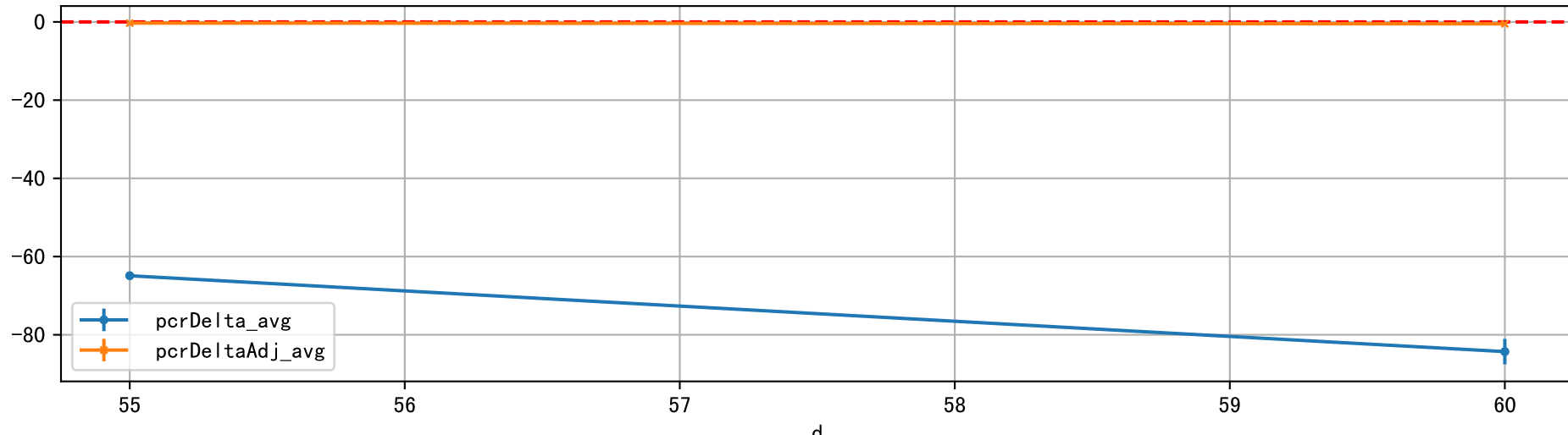


FrV: D\_Ts\_FrV

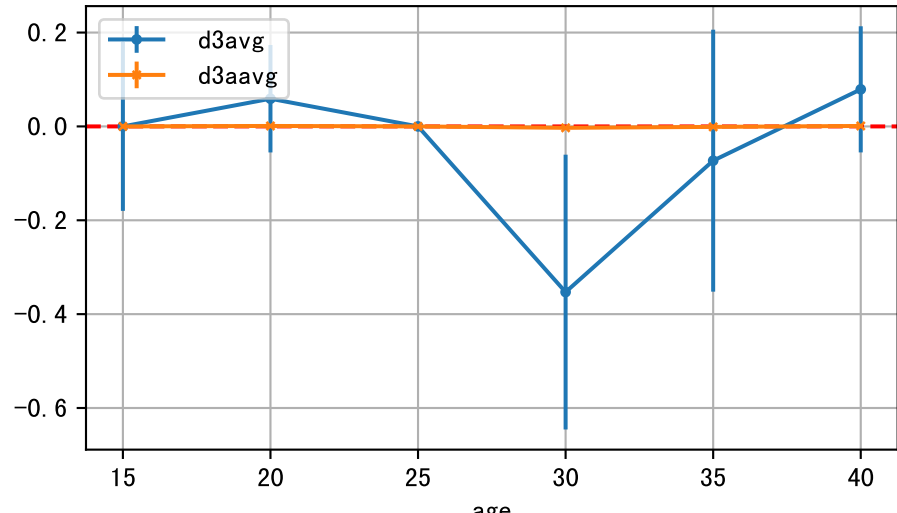
organID=2



P10AW FrV: D\_Ts\_FrV

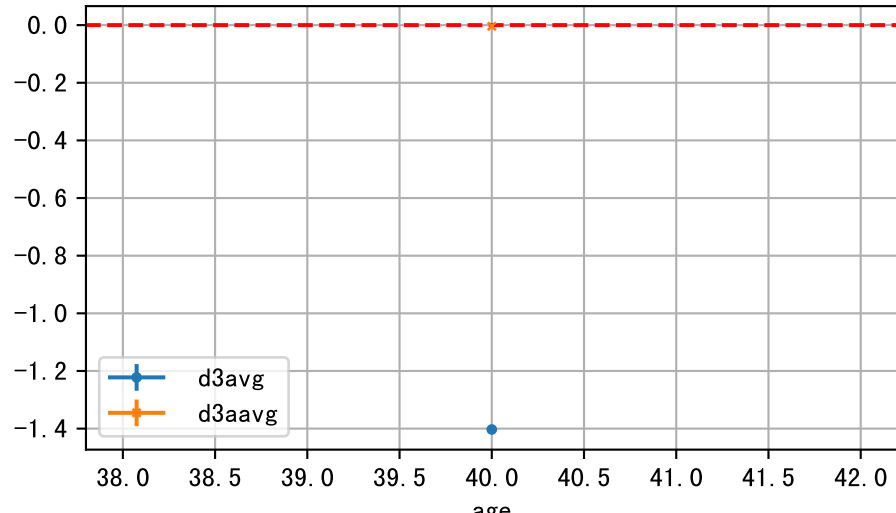


organID=1

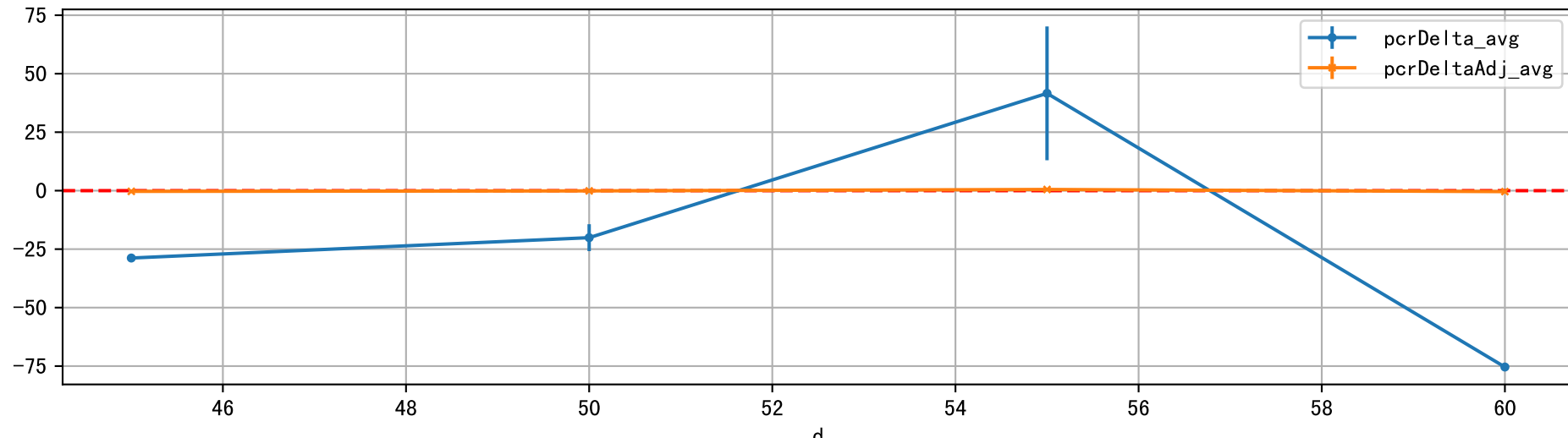


FrV: D\_Q50\_FrV

organID=2

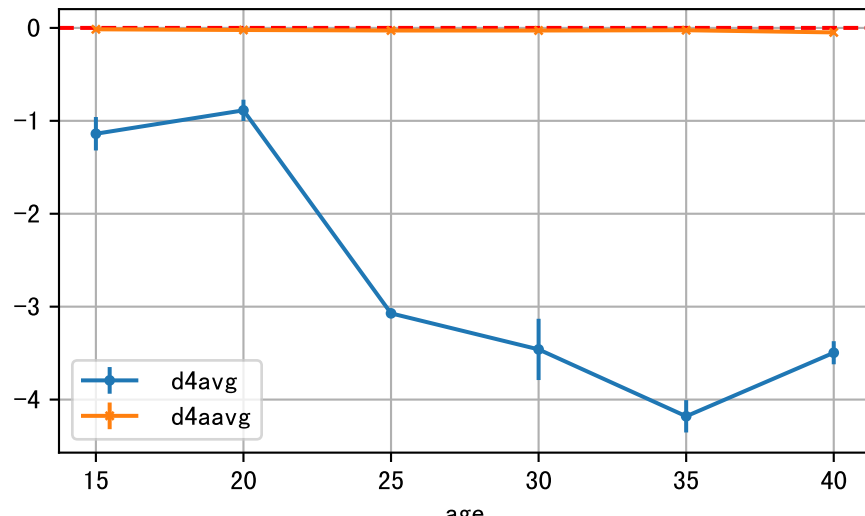


P10AW FrV: D\_Q50\_FrV

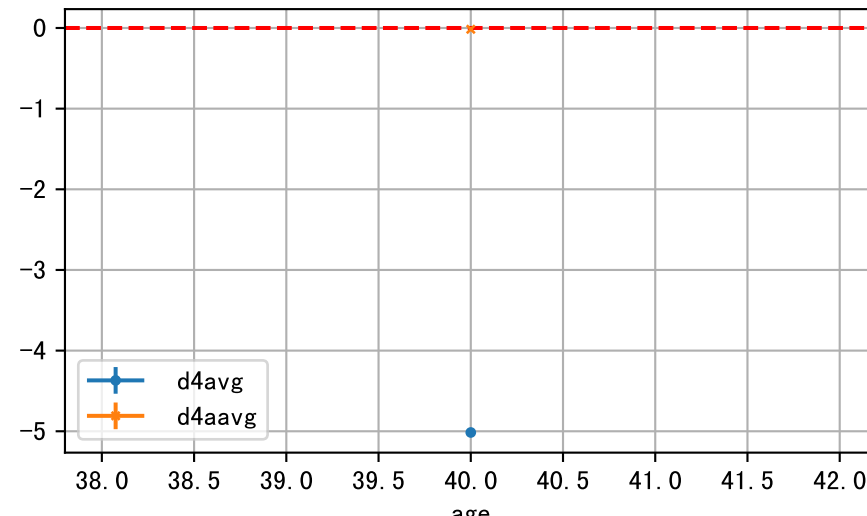


FrV: D\_Est\_FrV

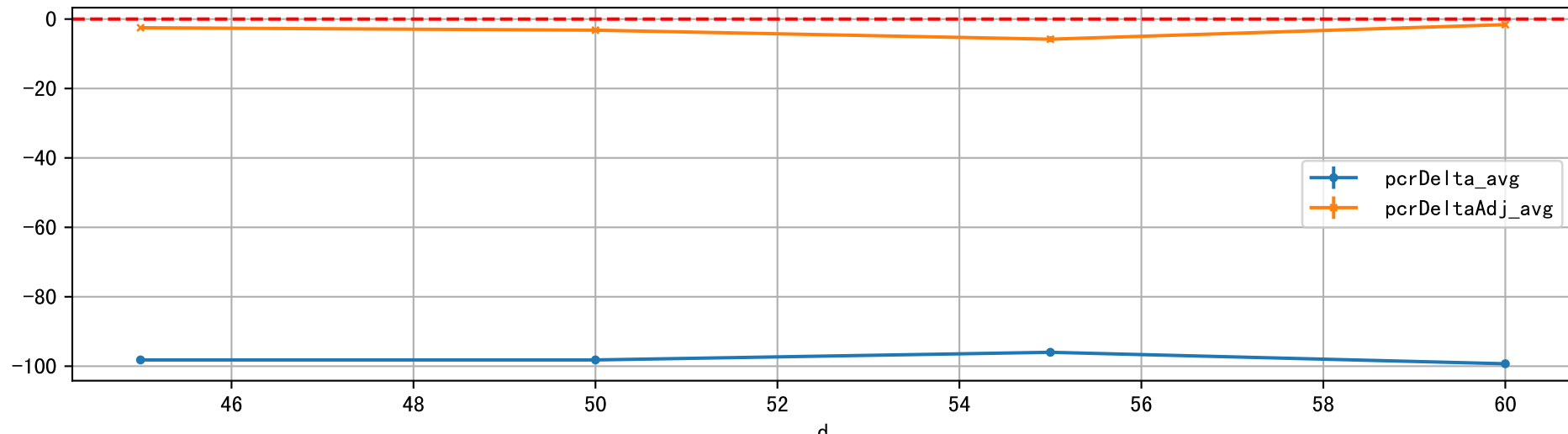
organID=1



organID=2



P10AW FrV: D\_Est\_FrV



P10AW FrV: sfDem

