

Phenotype Data Analysis Plots  
PhenoData day range = 18 - 70  
Analysis cutoff day = 70  
NC11 P10  
2025-12-28 (Day 71)

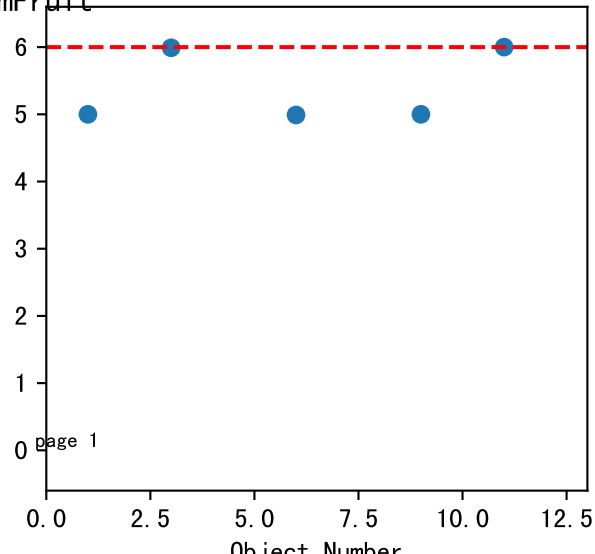
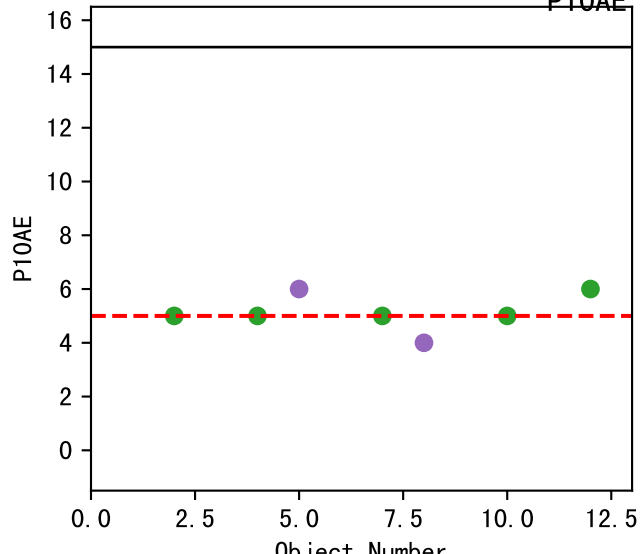
avg1=0.00% avg2=na  
P10AE Truss



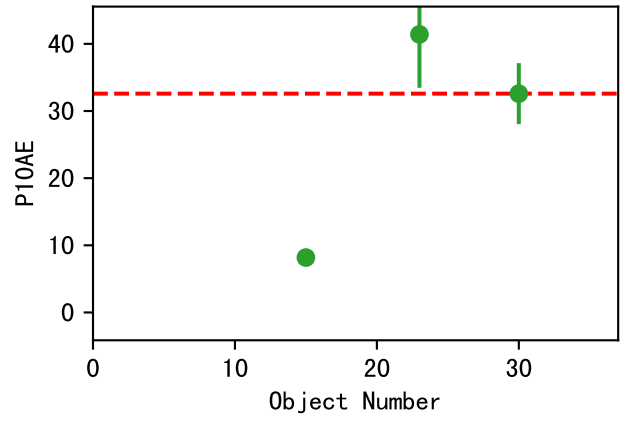
avg1=5.0 10% avg2=na

P10AE TrimFruit

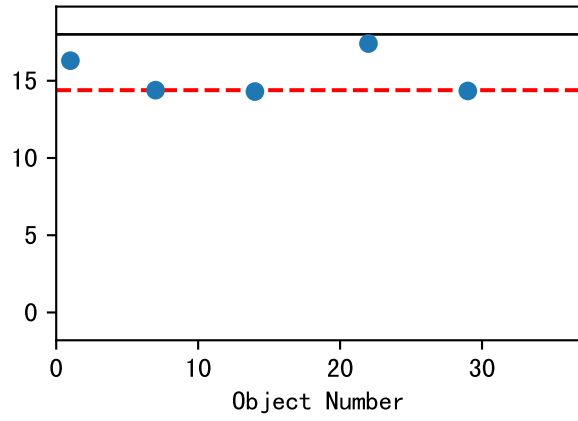
avg1=6.0 9% avg2=na



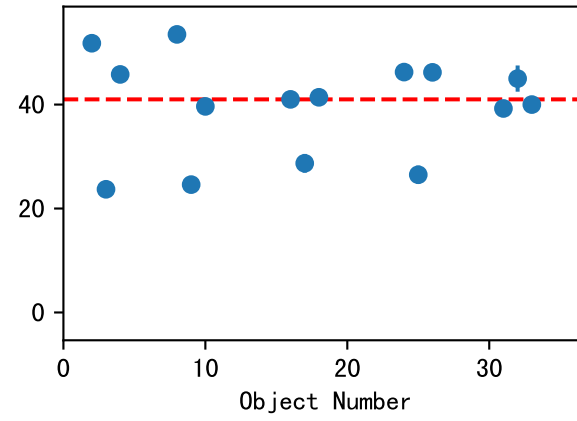
FRV\_avgAbsY (Def=na Set=na)  
avg1=32.59~53% avg2=na



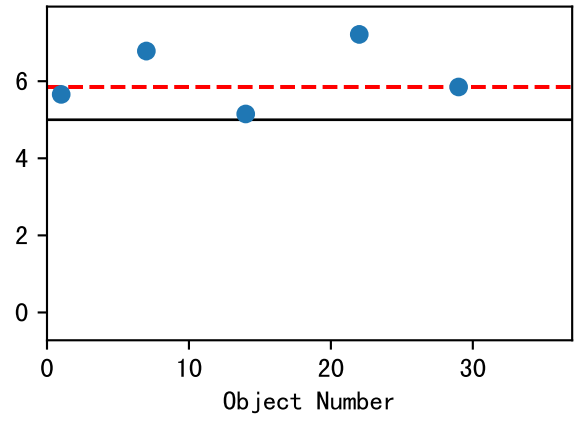
NdL\_Q90AbsY (Def=18 Set=14.39)  
avg1=4.09~10% avg2=na



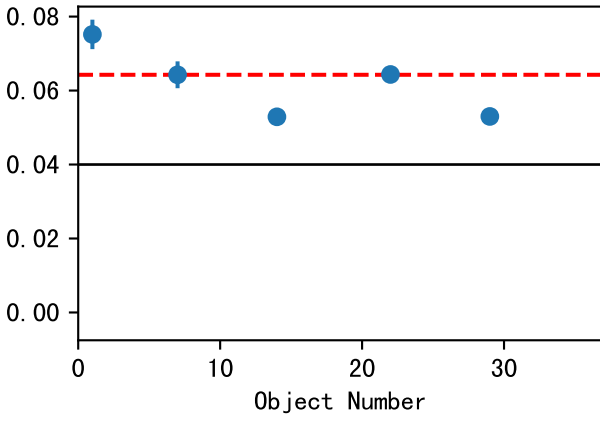
LTW\_avgAbsY (Def=na Set=41.0)  
avg1=41.0~23% avg2=na



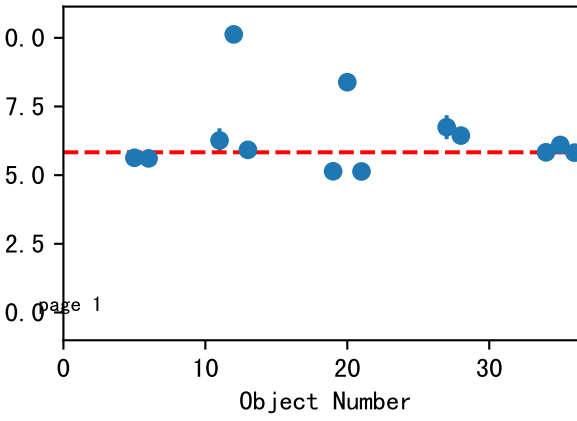
NdL\_Q90AbsY (Def=5 Set=5.85)  
avg1=5.85~14% avg2=na



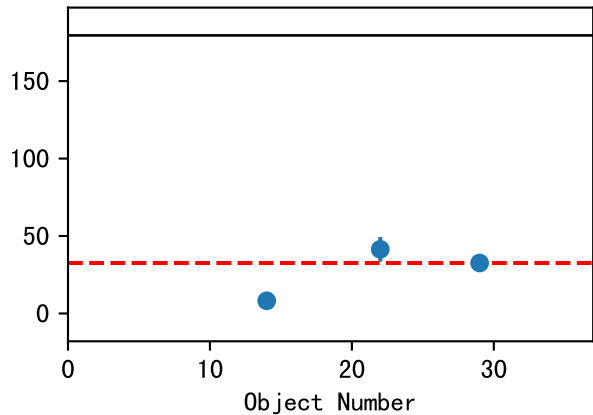
LfA\_Q90AbsY (Def=0.04 Set=0.06)  
avg1=0.06~15% avg2=na



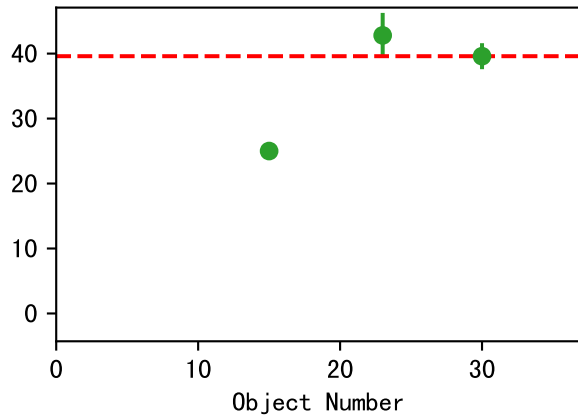
NdL\_avgAbsY (Def=na Set=5.83)  
avg1=5.83~9% avg2=na



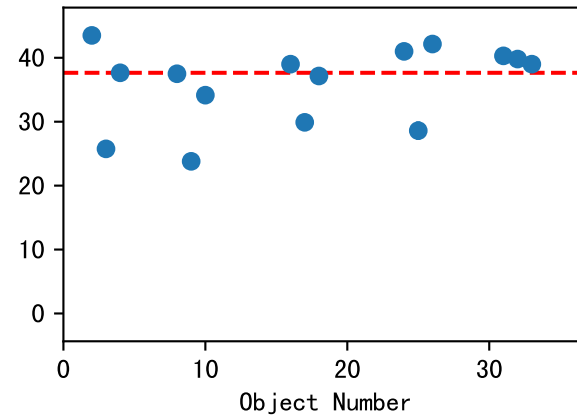
FrV\_Q90AbsY (Def=179.5 Set=179.5)  
avg1=32.59~53% avg2=na



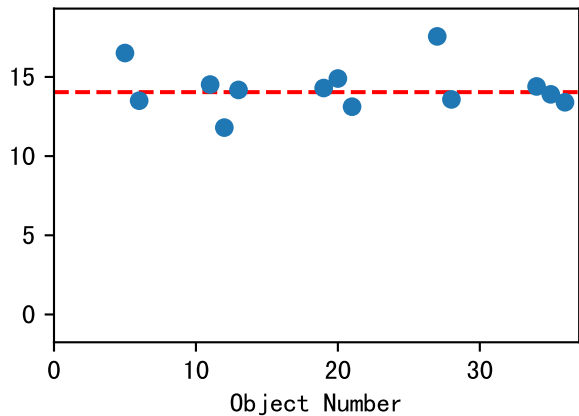
FrD\_avgAbsY (Def=na Set=39.6)  
avg1=39.6~24% avg2=na



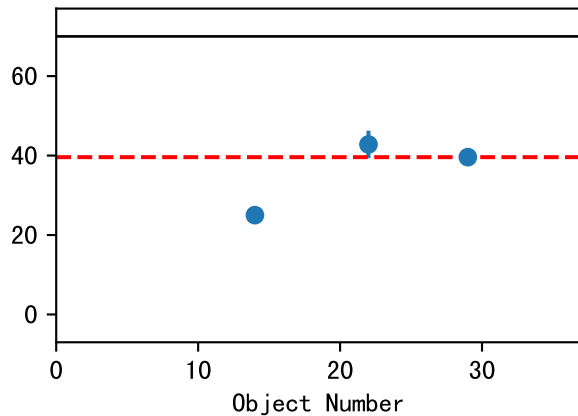
LfL\_avgAbsY (Def=na Set=37.65)  
avg1=37.65~16% avg2=na



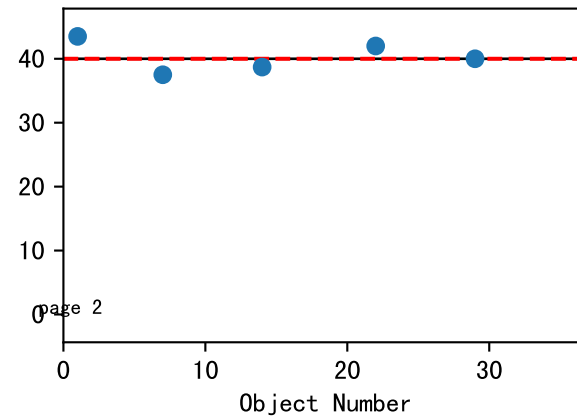
NdD\_avgAbsY (Def=na Set=14.04)  
avg1=14.04~4% avg2=na



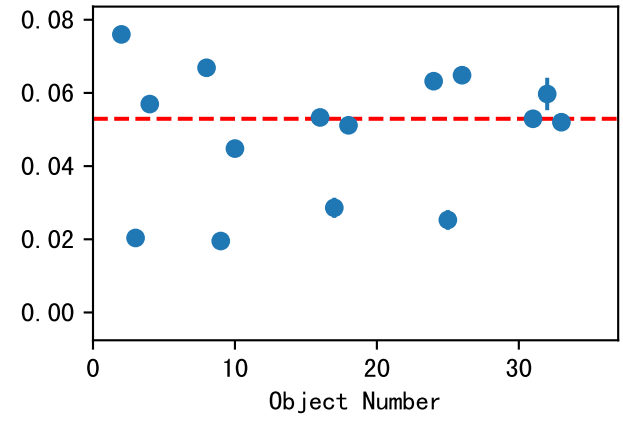
FrD\_Q90AbsY (Def=70 Set=39.6)  
avg1=39.6~24% avg2=na



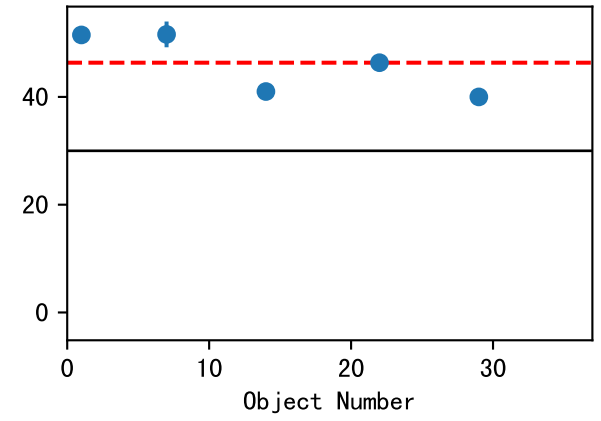
LfL\_Q90AbsY (Def=40 Set=40.0)  
avg1=40.0~6% avg2=na



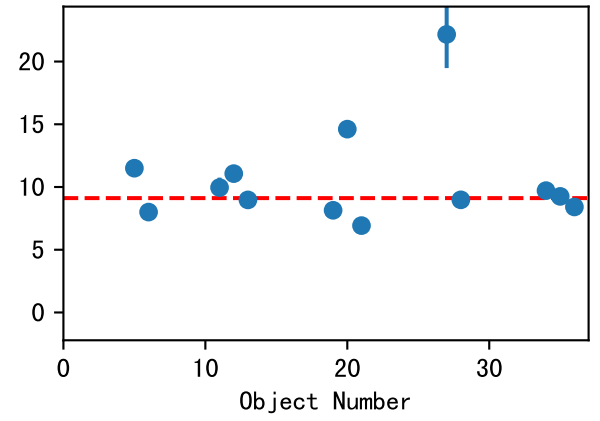
LTA\_avgAbsY (Def=na Set=0.05)  
avg1=0.05~34% avg2=na



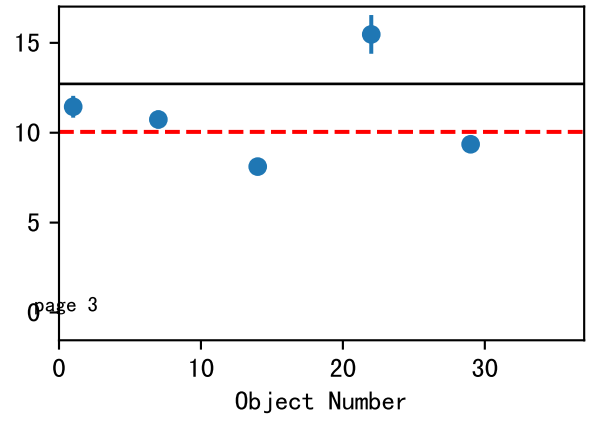
LTW\_Q90AbsY (Def=30 Set=46.33)  
avg1=46.33~18% avg2=na



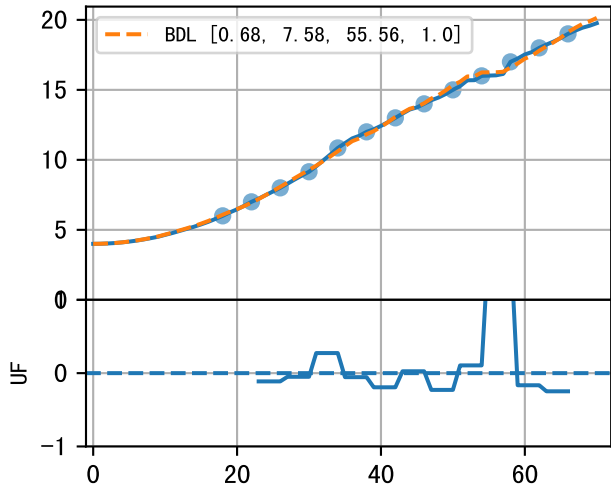
Ndv\_avgAbsY (Def=na Set=9.11)  
avg1=9.11~22% avg2=na



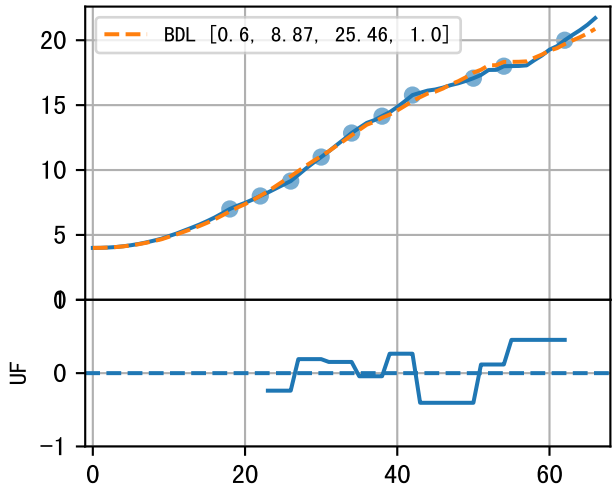
NdV\_Q90AbsY (Def=12.72 Set=9.04)  
avg1=10.05~15% avg2=na



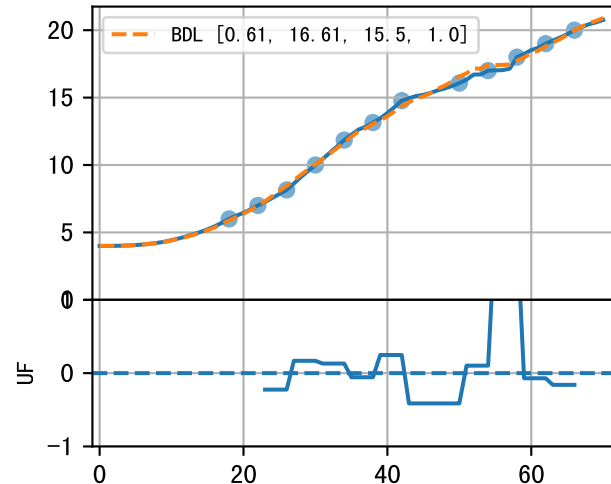
P10AE-081-12 (fit failed)



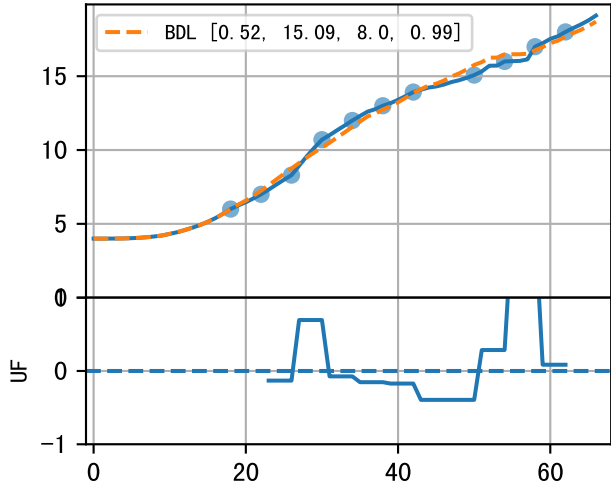
P10AE-087-27 (fit failed)



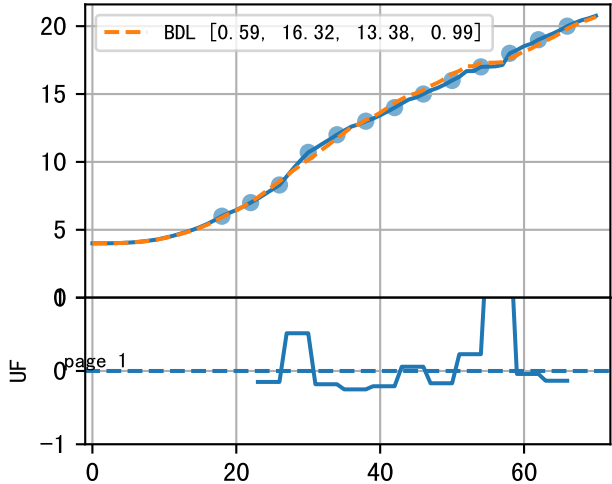
P10AE-095-20 (fit failed)



P10AE-103-32 (fit failed)

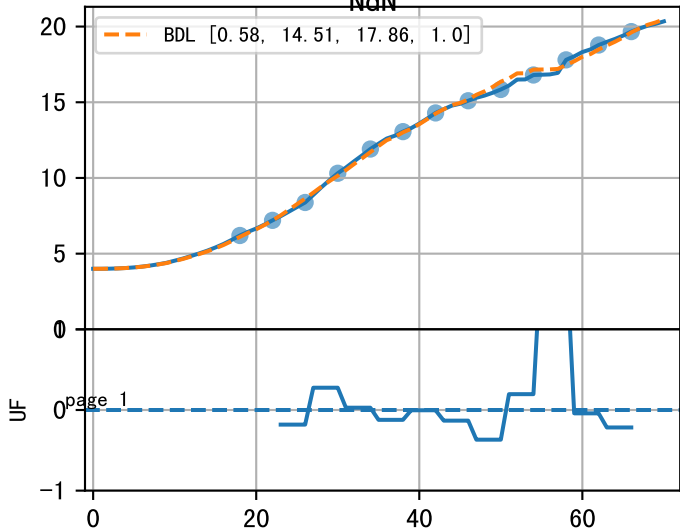


P10AE-114-7 (fit failed)



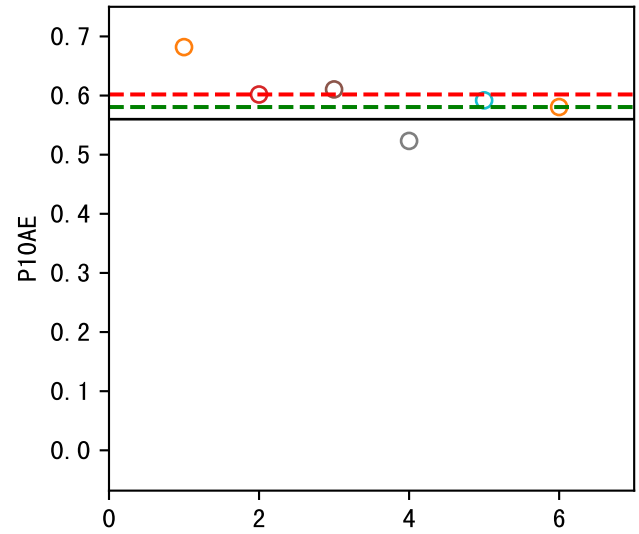
PIOAvg (It failed)  
NdN

BDL [0.58, 14.51, 17.86, 1.0]

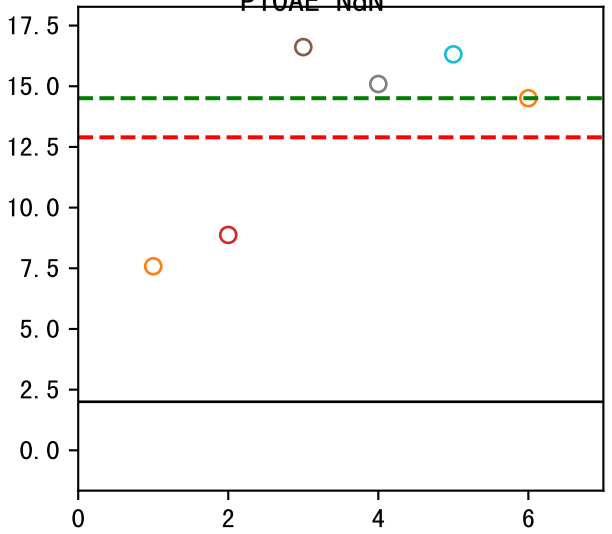


UF page 1

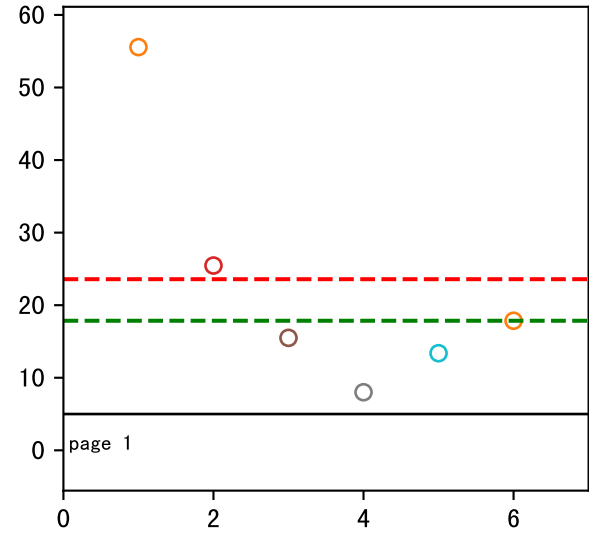
avg1=0.6 (fail) avg2=0.58

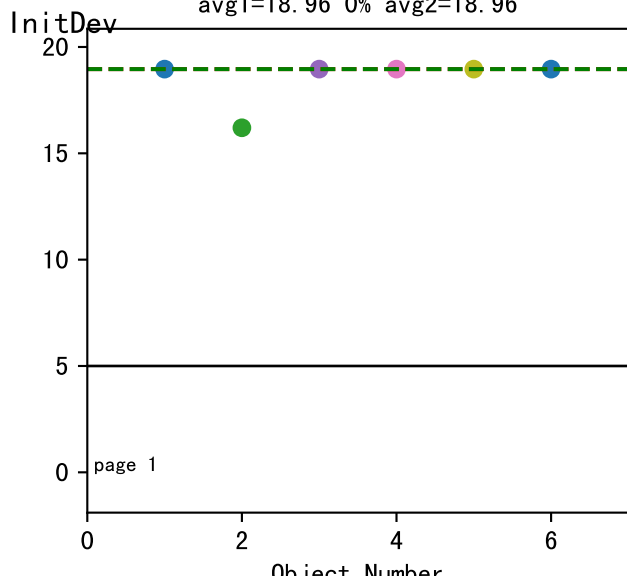
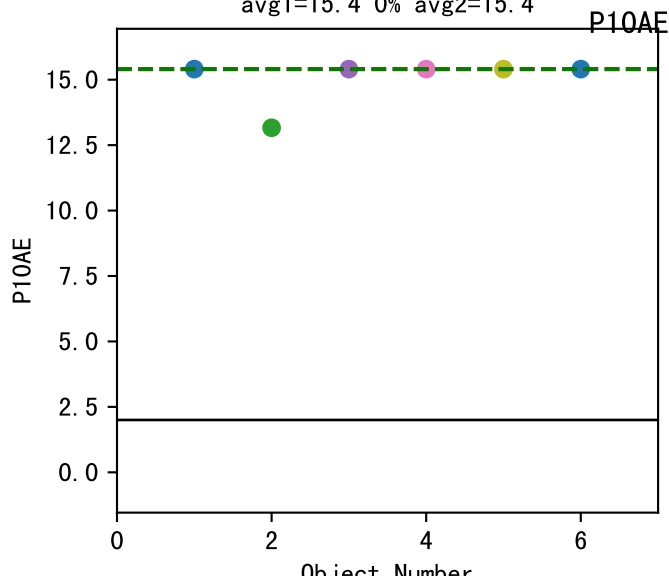


avg1=12.9 (fail) avg2=14.51

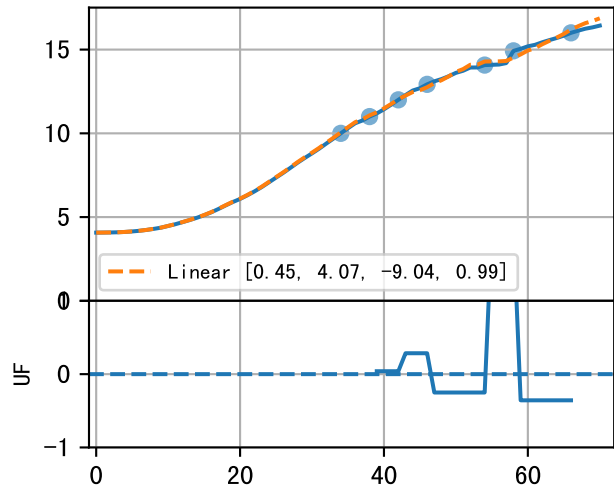


avg1=23.58 (fail) avg2=17.86

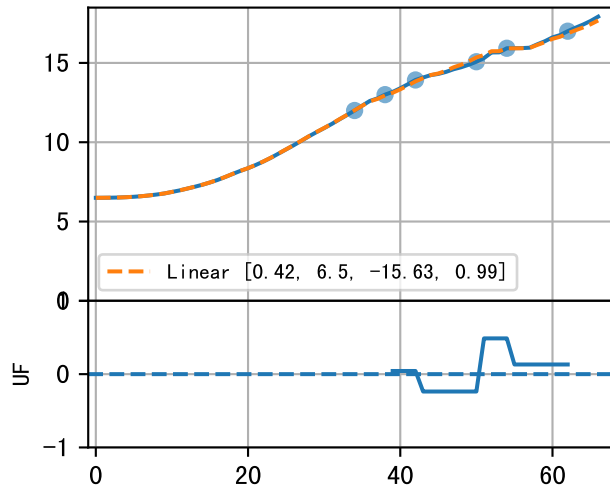




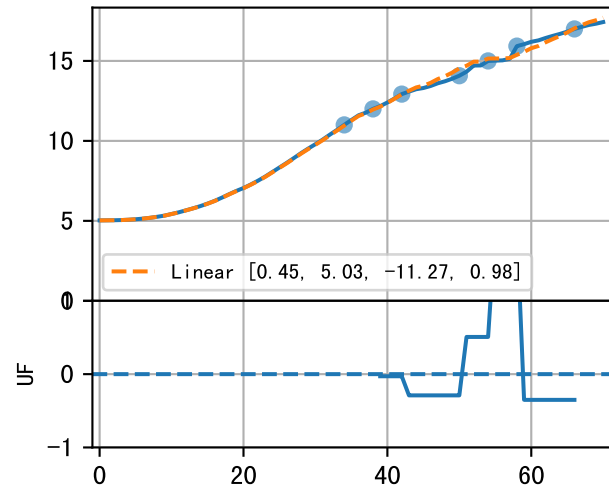
P10AE-081-12



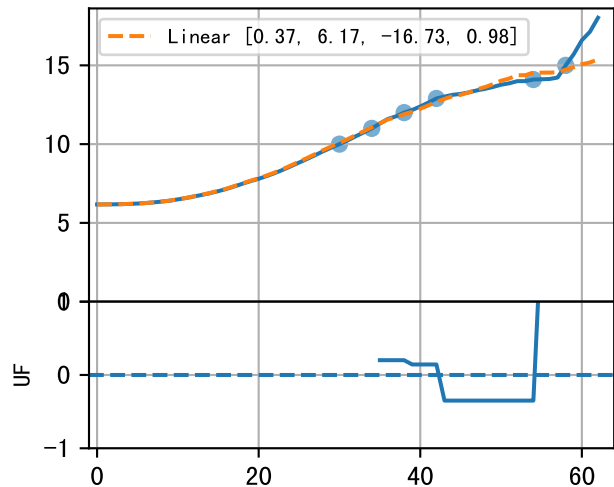
P10AE-087-27



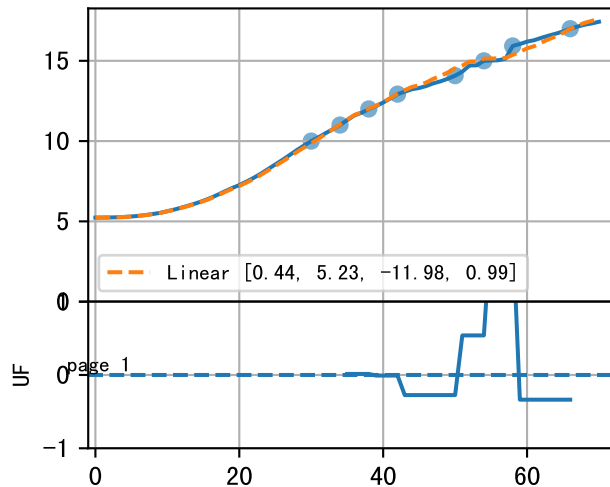
P10AE-095-20



P10AE-103-32

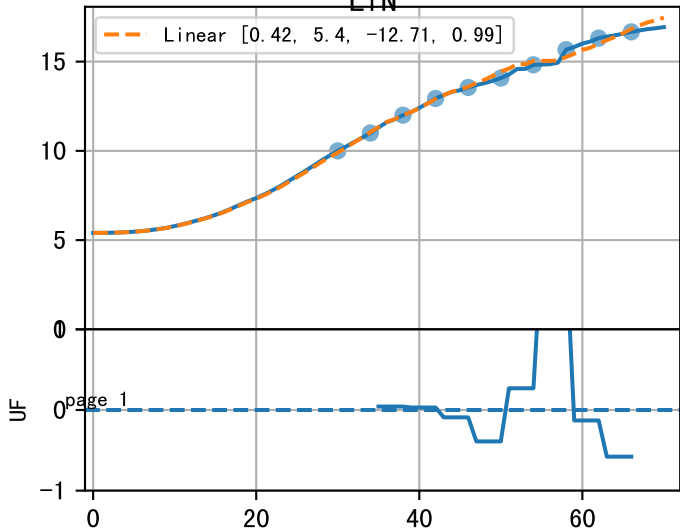


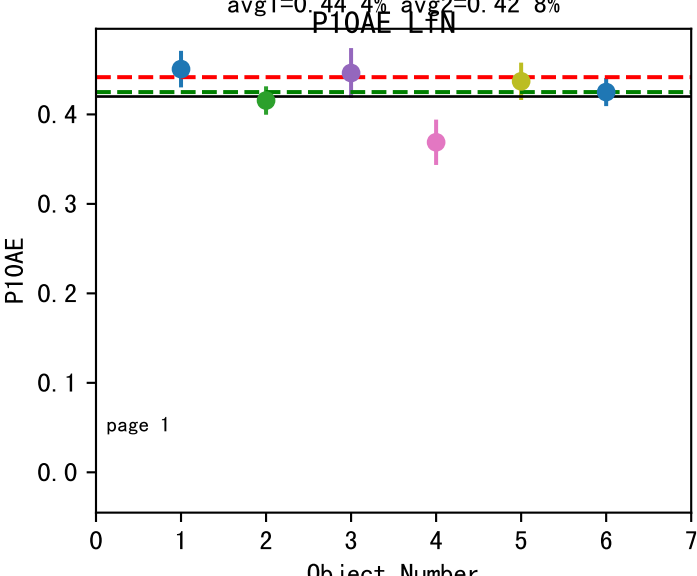
P10AE-114-7



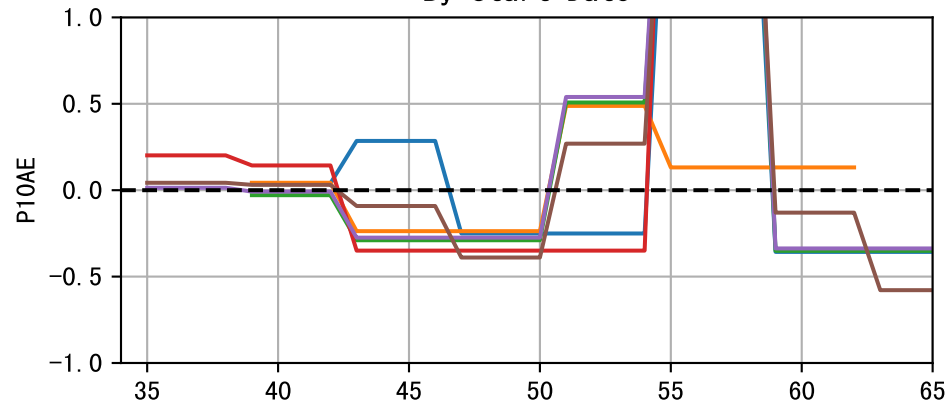
PTUARavg  
LfN

Linear [0.42, 5.4, -12.71, 0.99]

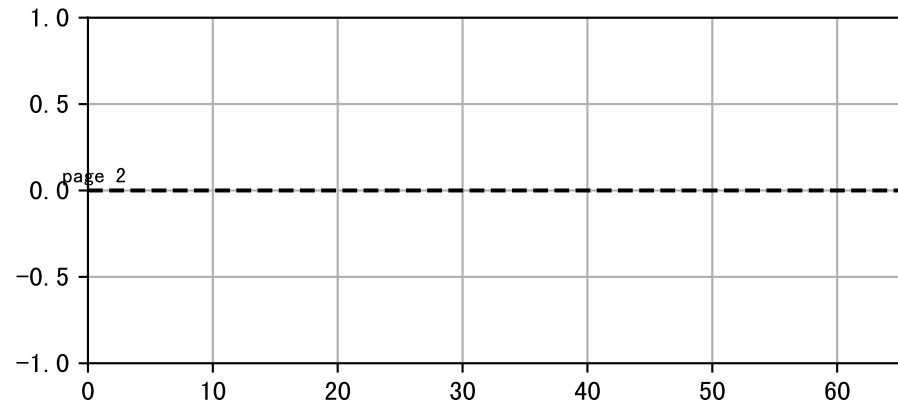
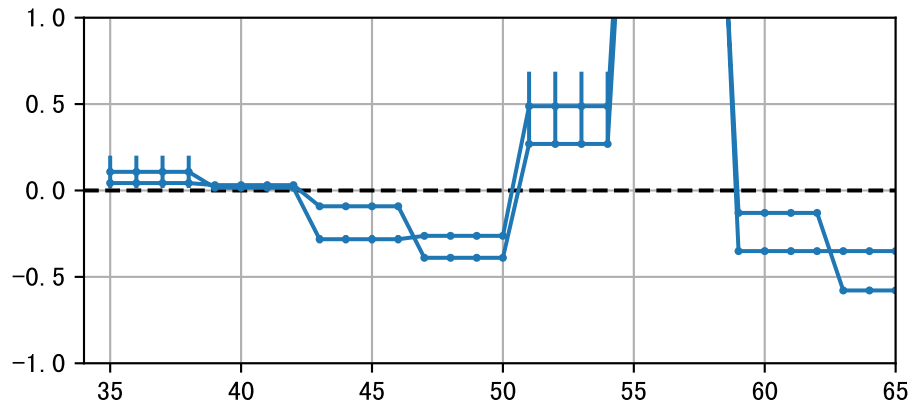
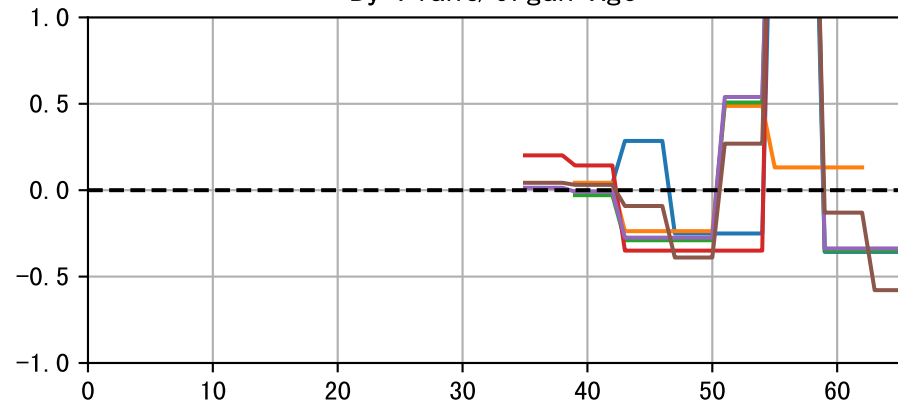




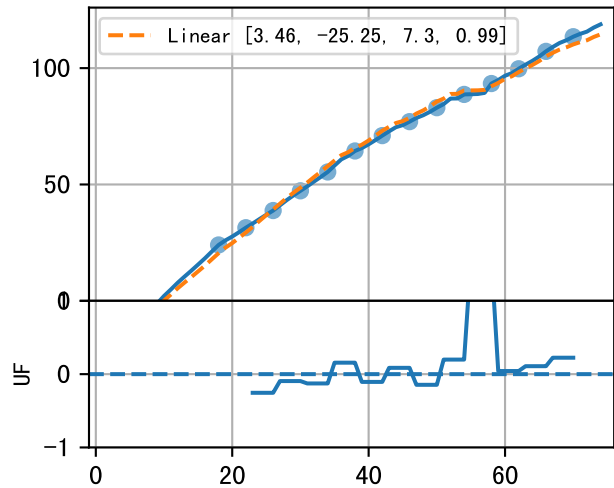
By Start Date



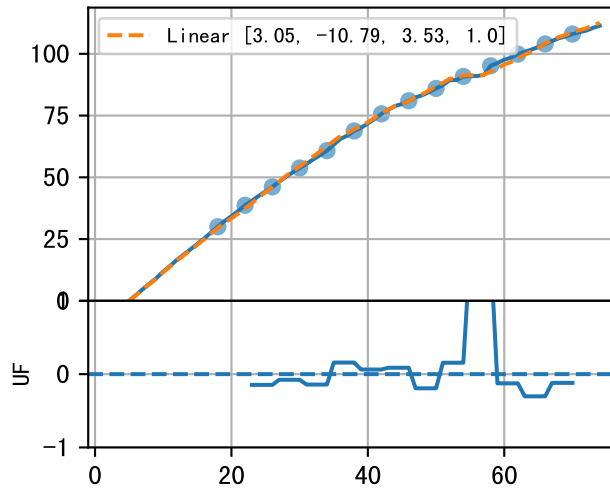
By Plant/Organ Age



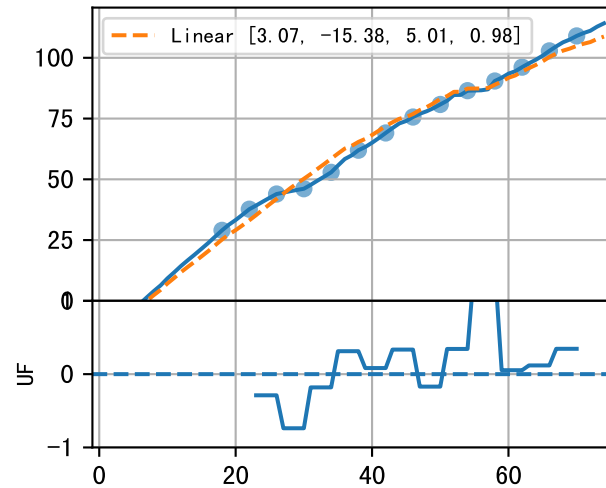
P10AE-081-12



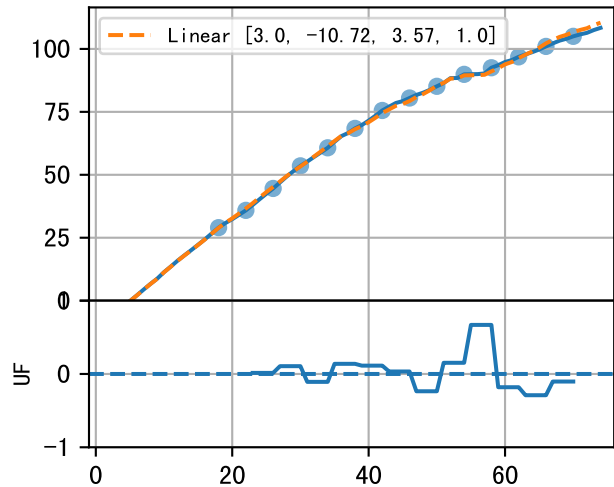
P10AE-087-27



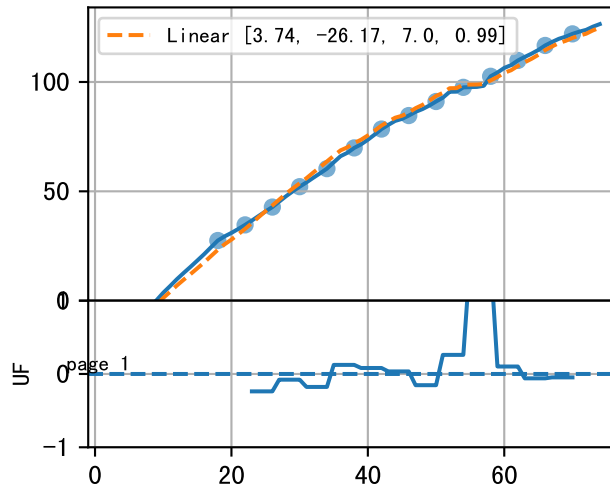
P10AE-095-20

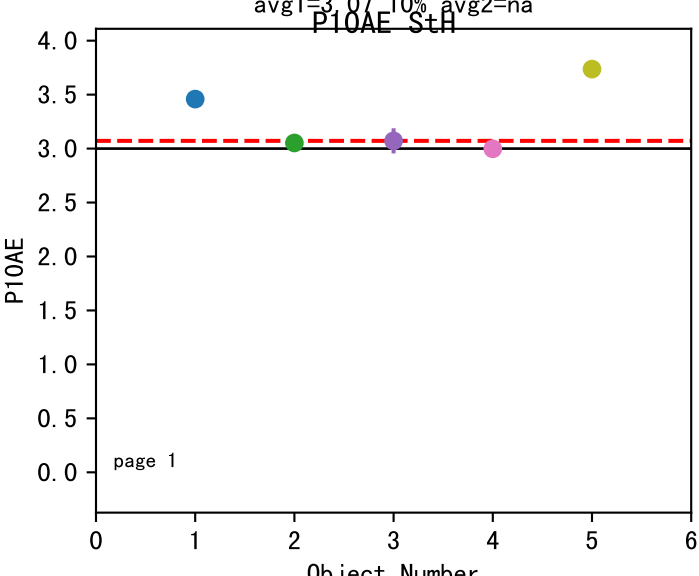


P10AE-103-32

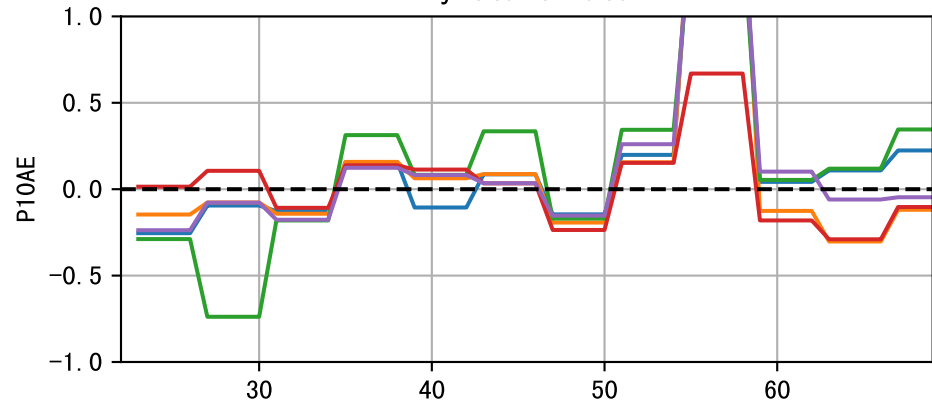


P10AE-114-7

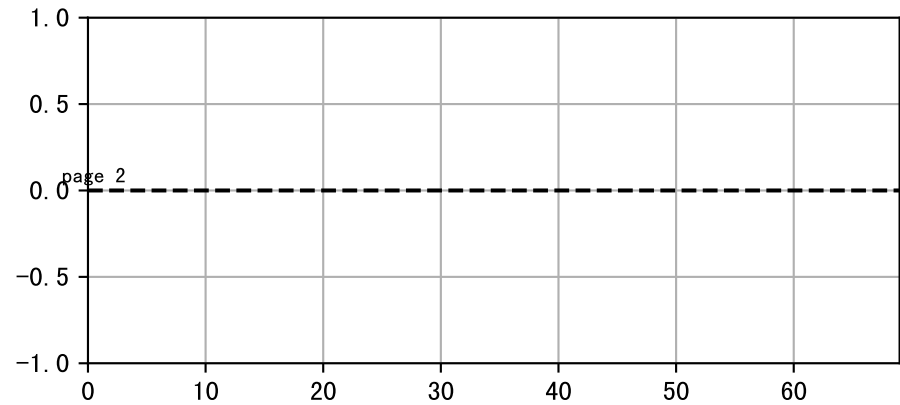
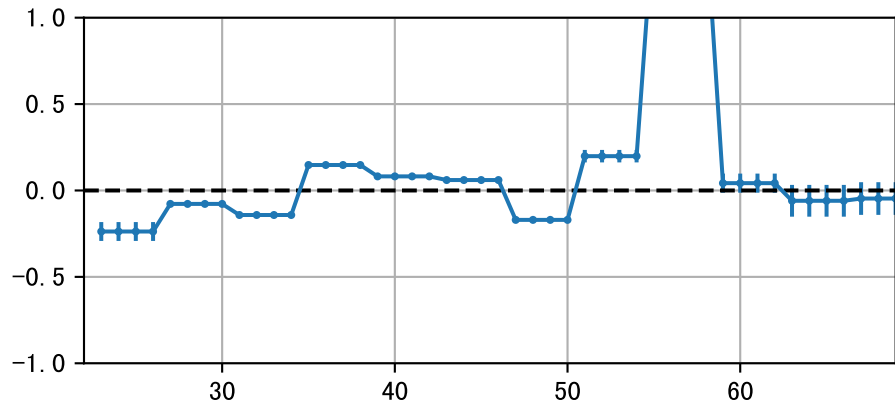
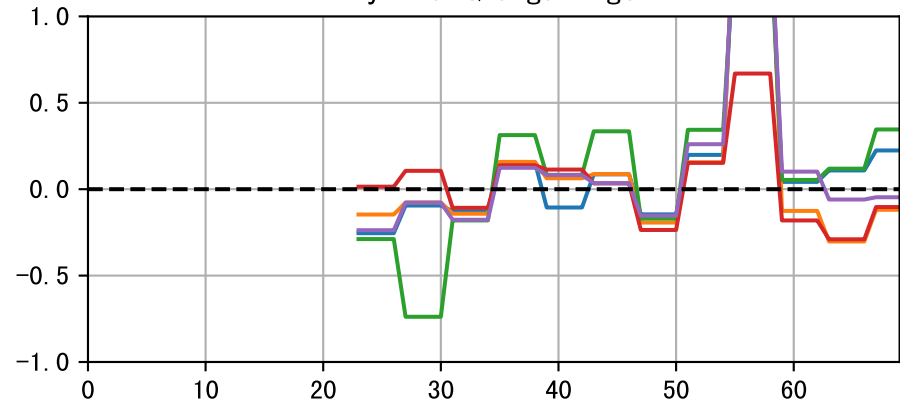




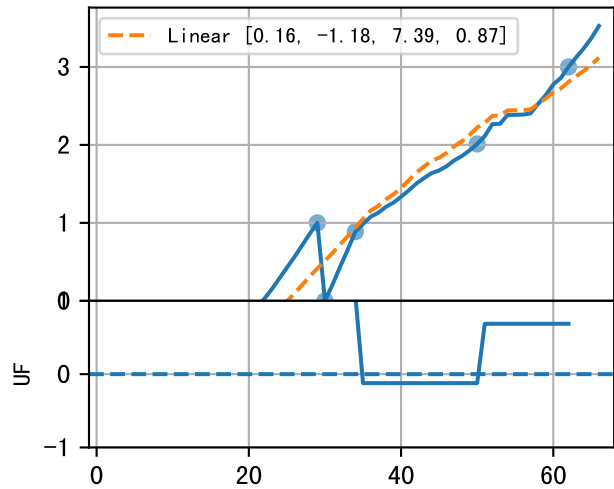
By Start Date



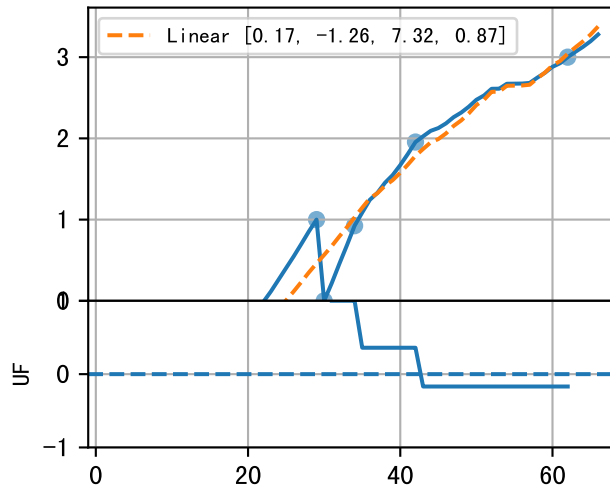
By Plant/Organ Age



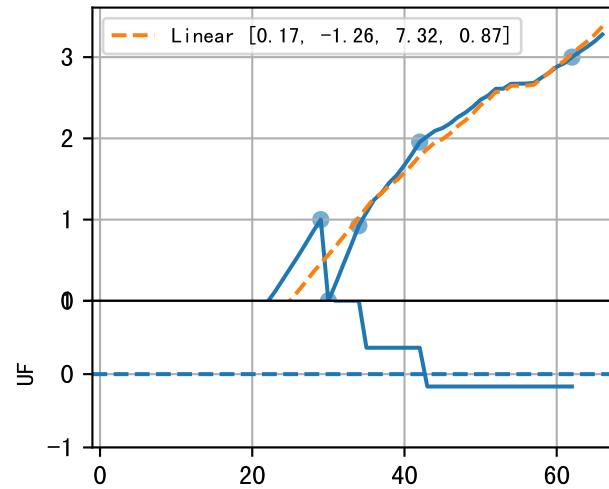
P10AE-081-12



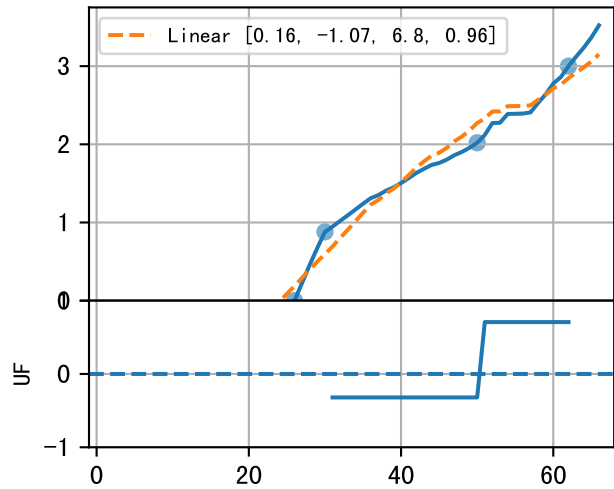
P10AE-087-27



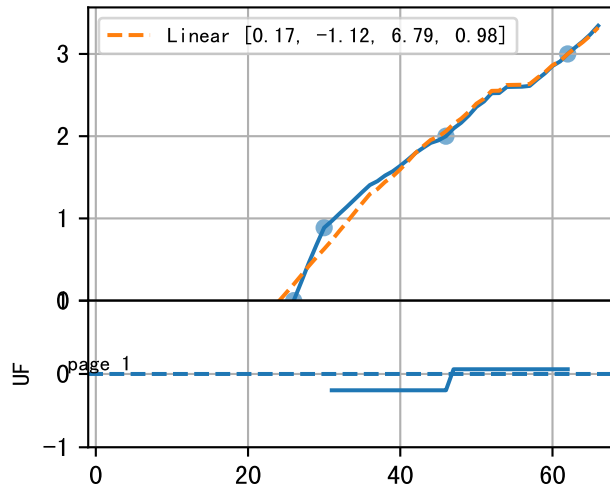
P10AE-095-20



P10AE-103-32

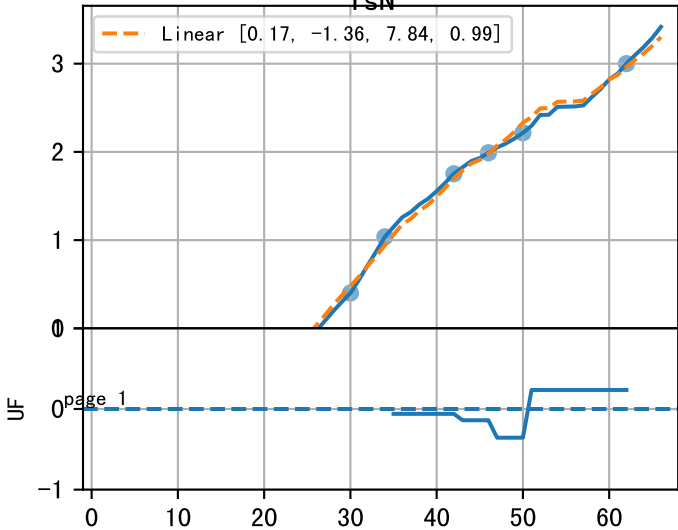


P10AE-114-7

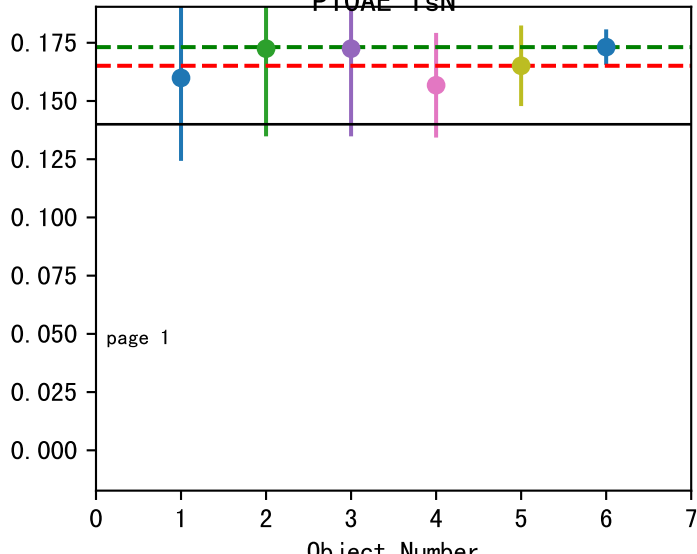


PTQFAvg  
TSN

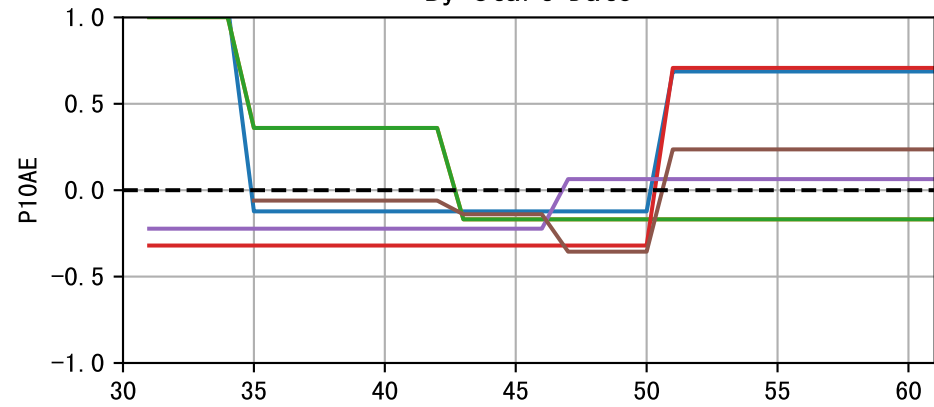
Linear [0.17, -1.36, 7.84, 0.99]



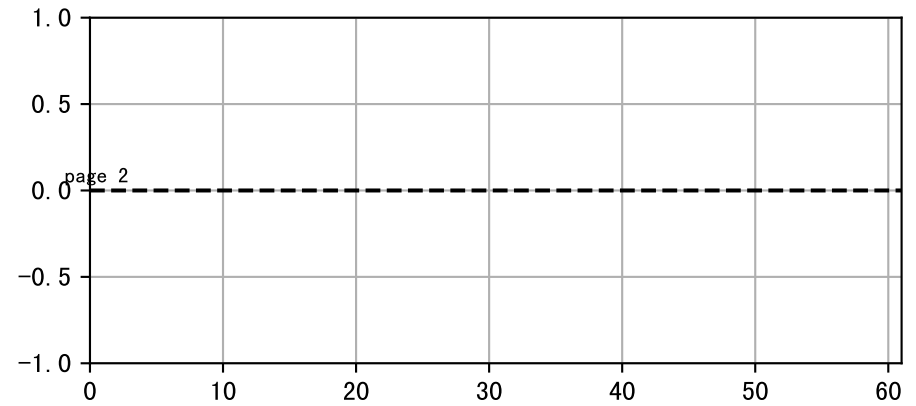
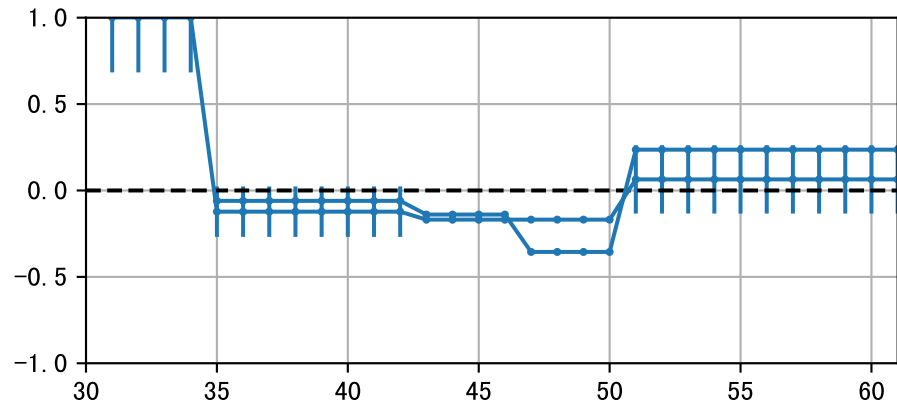
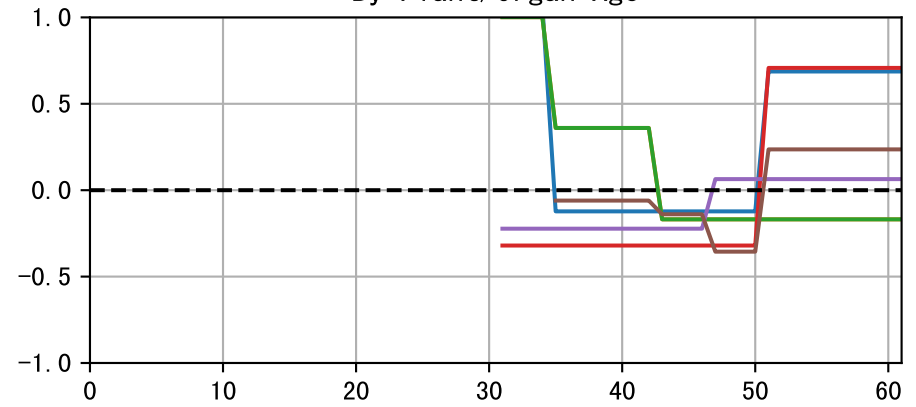
avg1=0.17 4% avg2=0.17 10%  
P10AE TSN

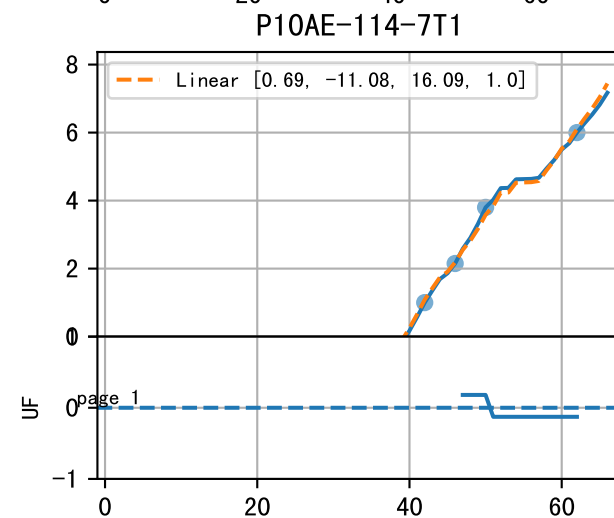
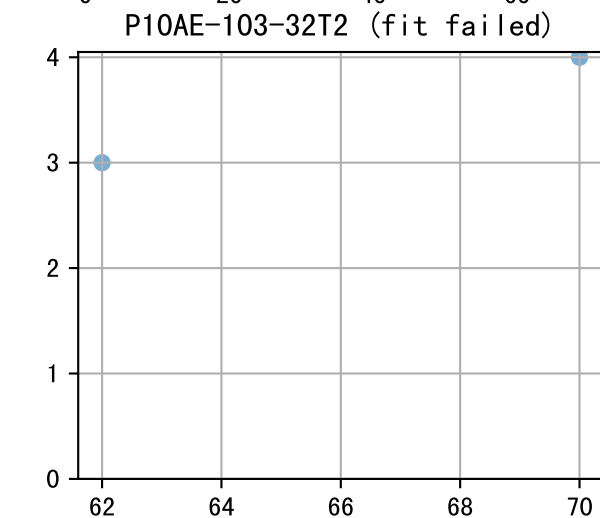
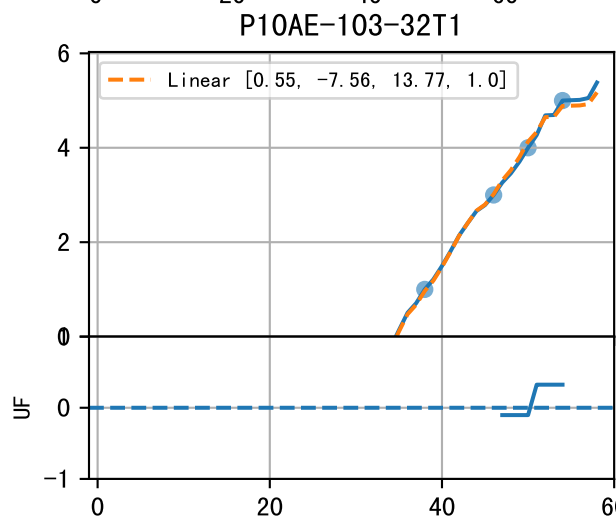
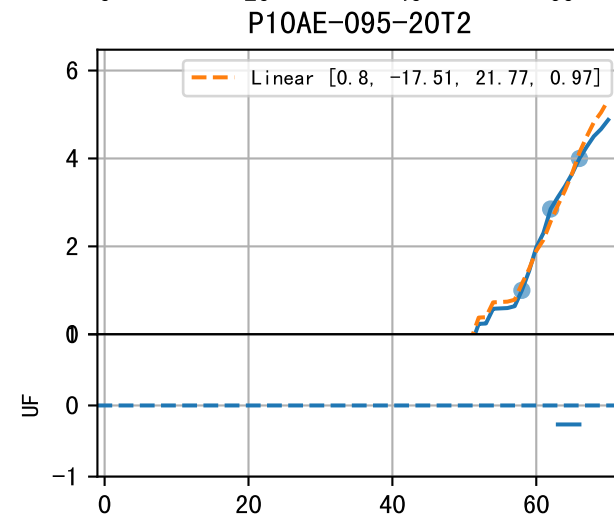
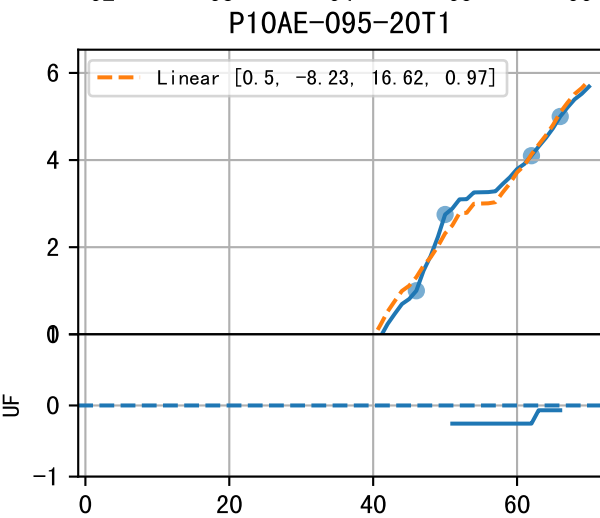
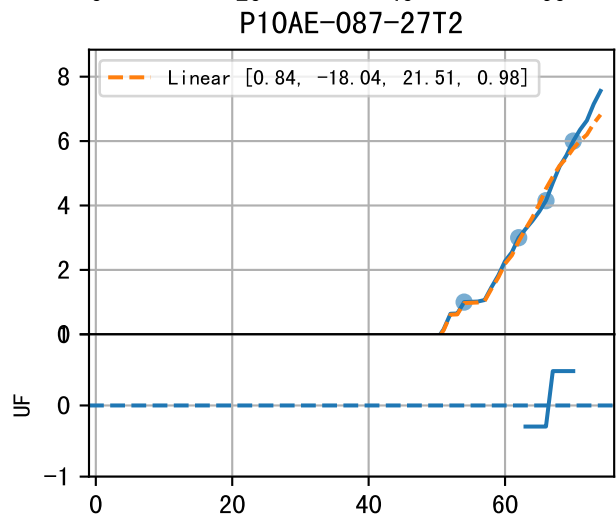
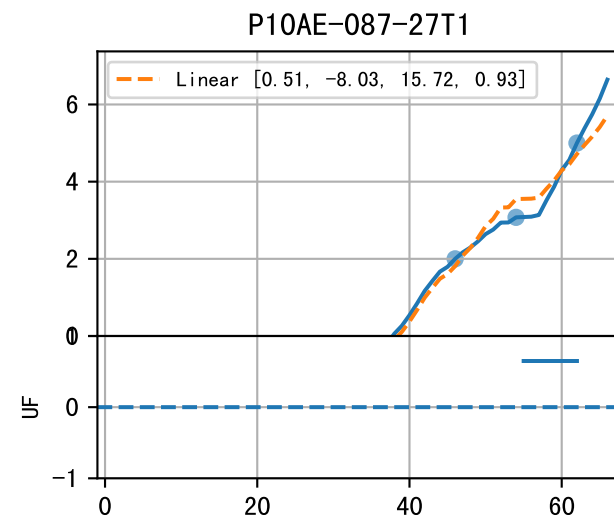
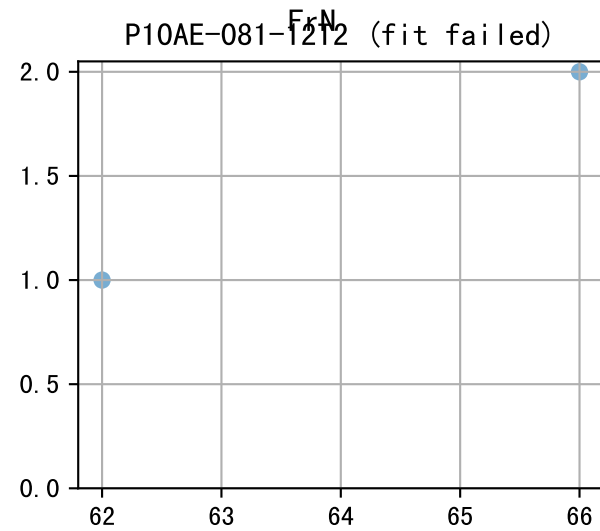
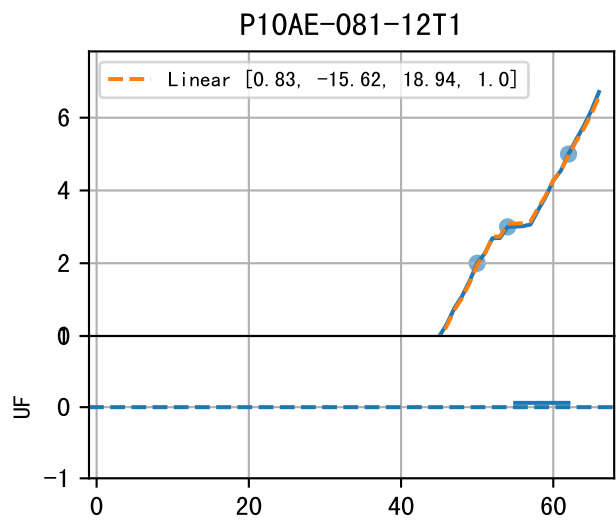


By Start Date



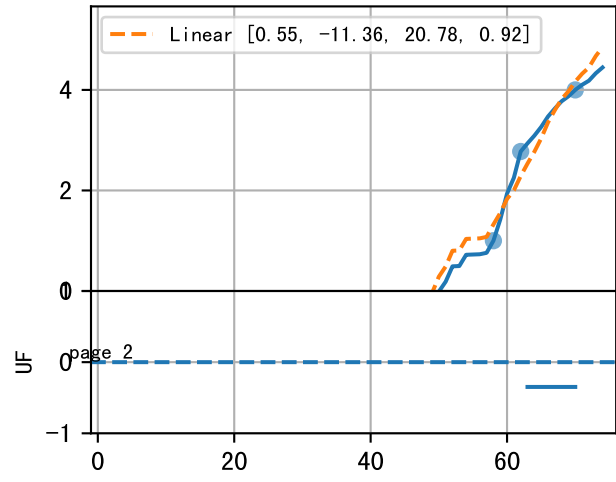
By Plant/Organ Age

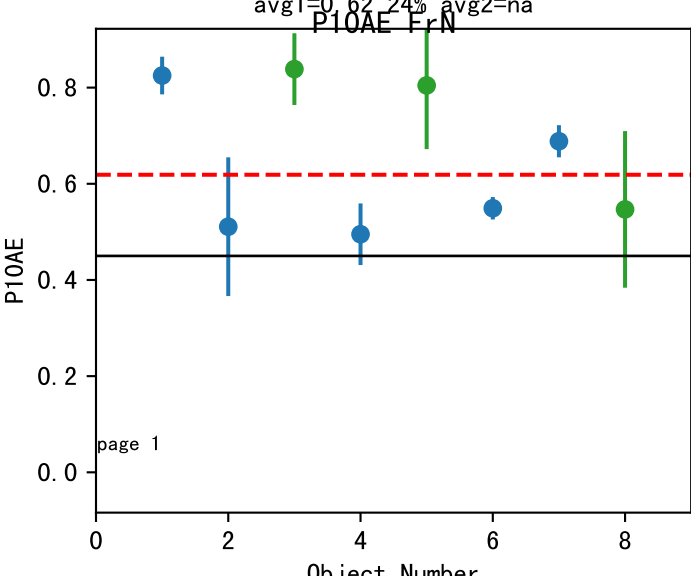




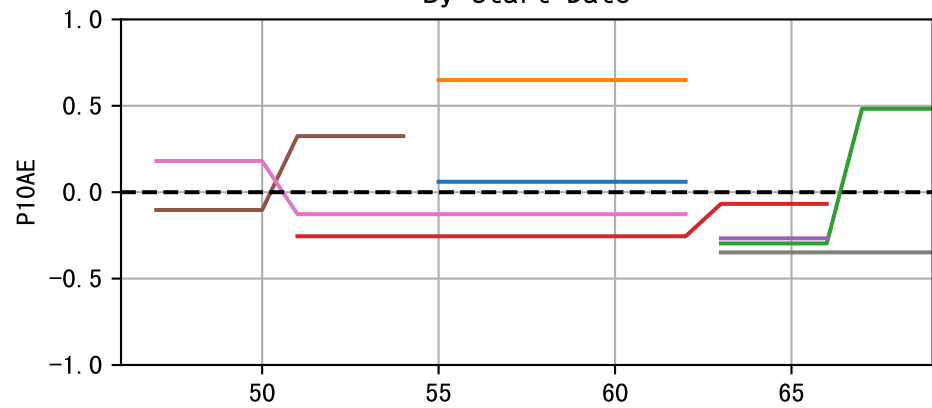
P10AE-114-7T2

FrN

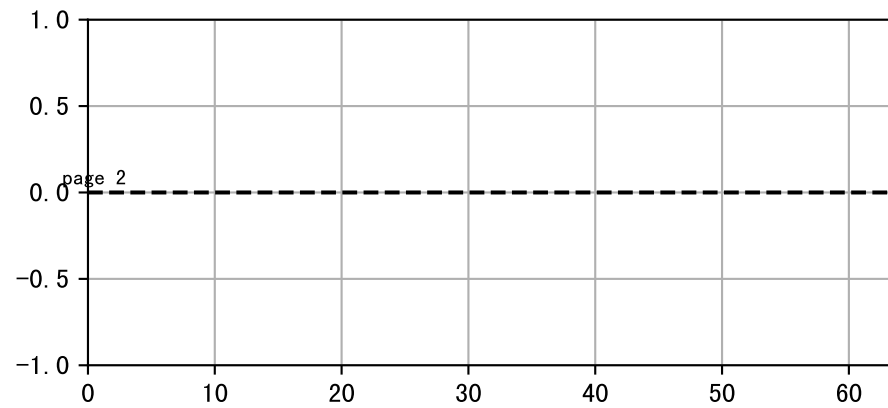
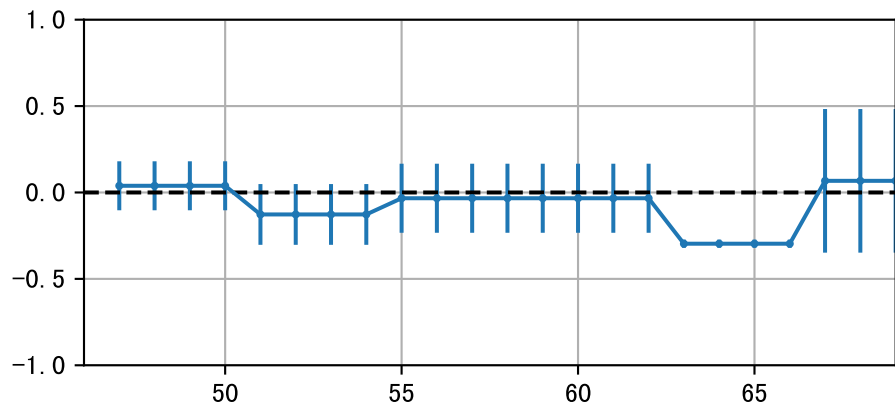
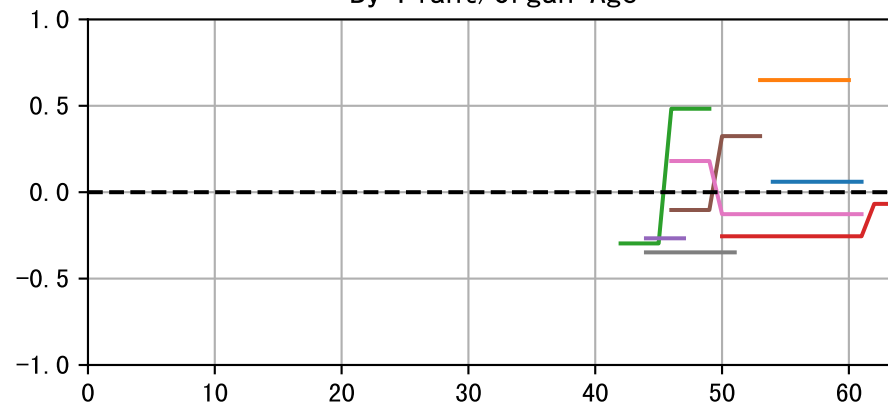




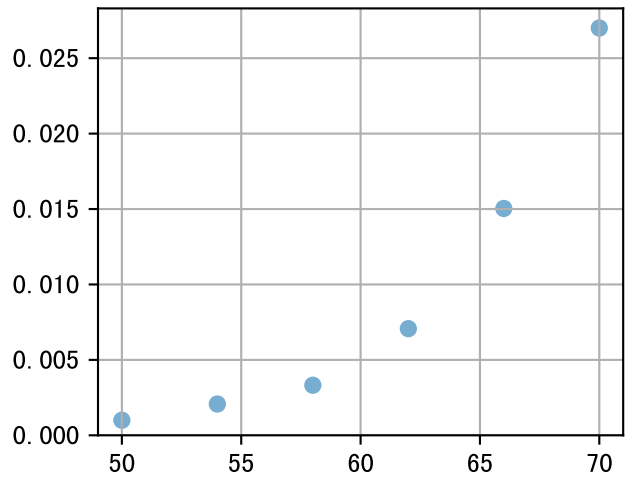
By Start Date



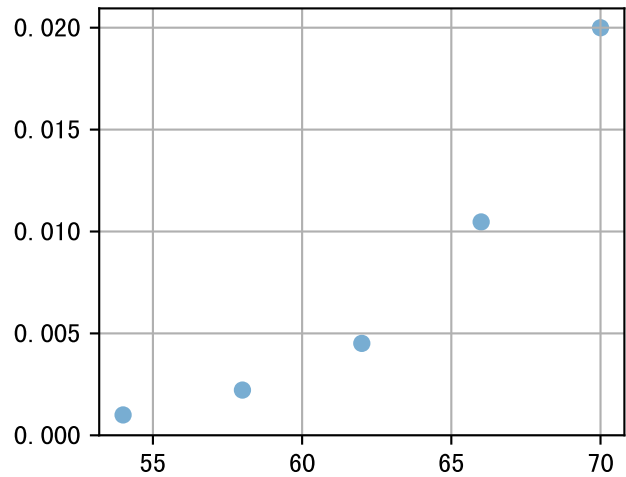
By Plant/Organ Age



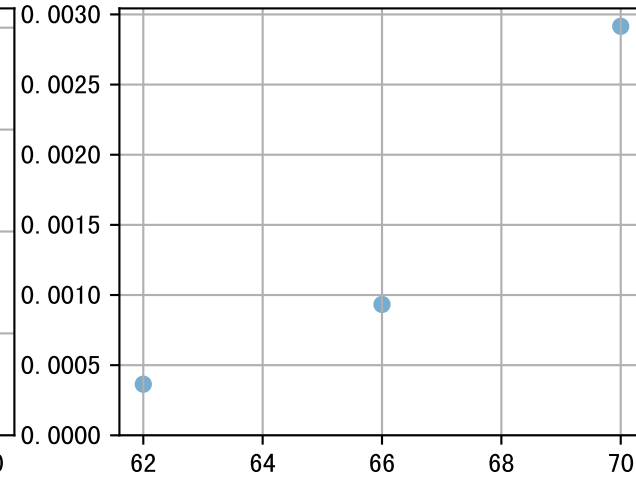
P10AE-081-12T1Fr1 (fit failed)



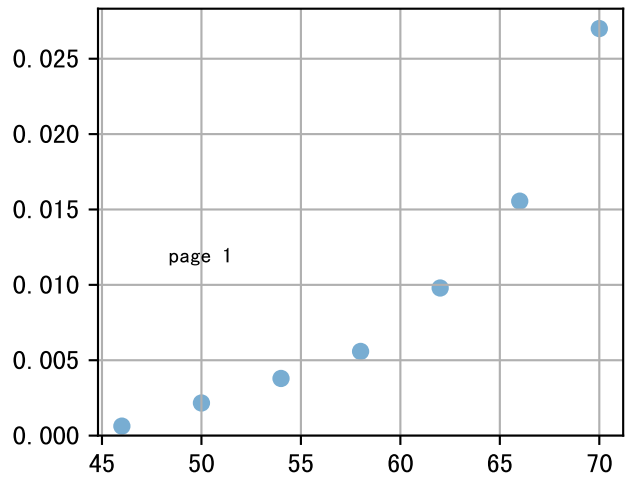
P10AE-081-12T1Fr5 (fit failed)



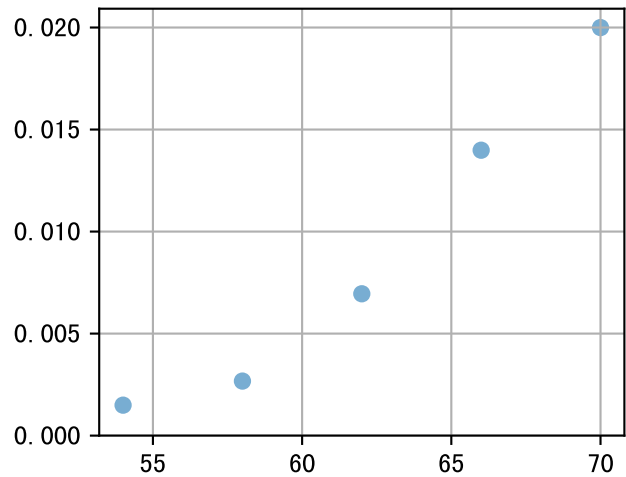
P10AE-081-12T2Fr1 (fit failed)



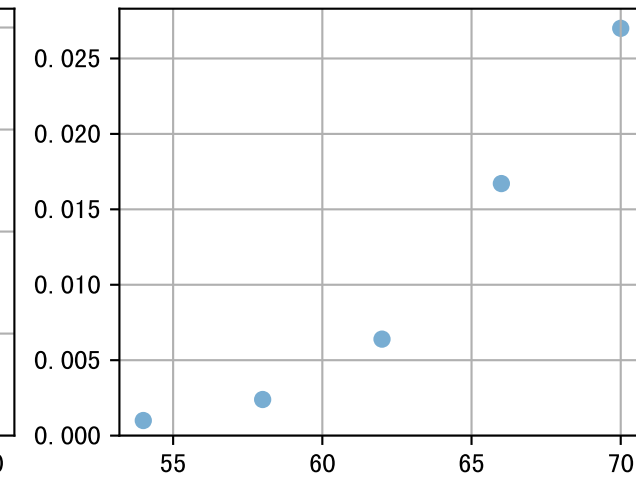
P10AE-087-27T1Fr1 (fit failed)



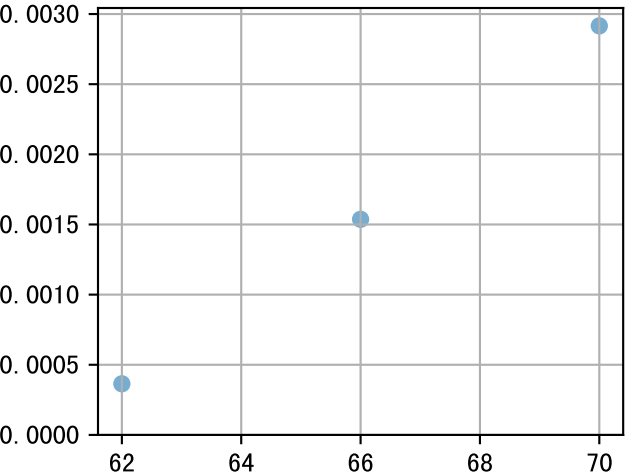
P10AE-087-27T1Fr5 (fit failed)



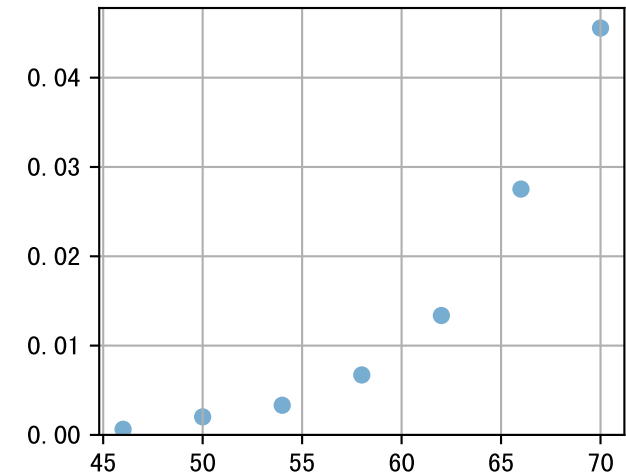
P10AE-087-27T2Fr1 (fit failed)



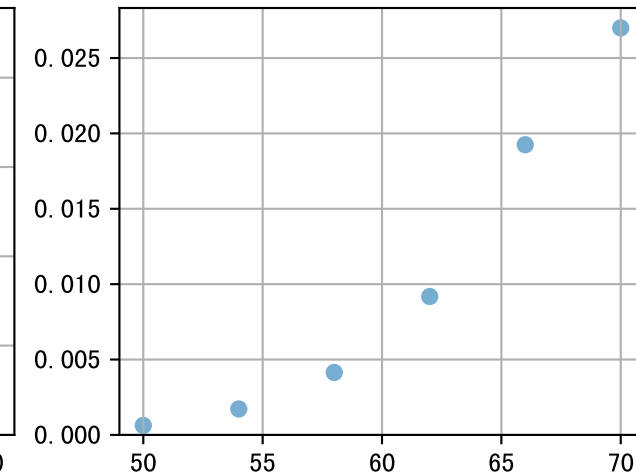
P10AE-087-27T2Fr5 (fit failed)

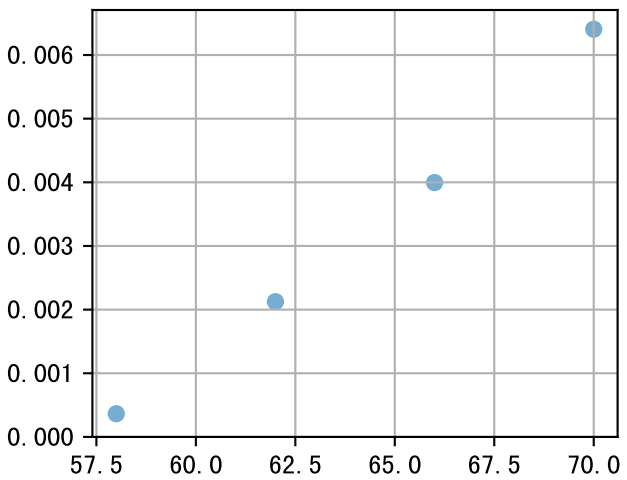
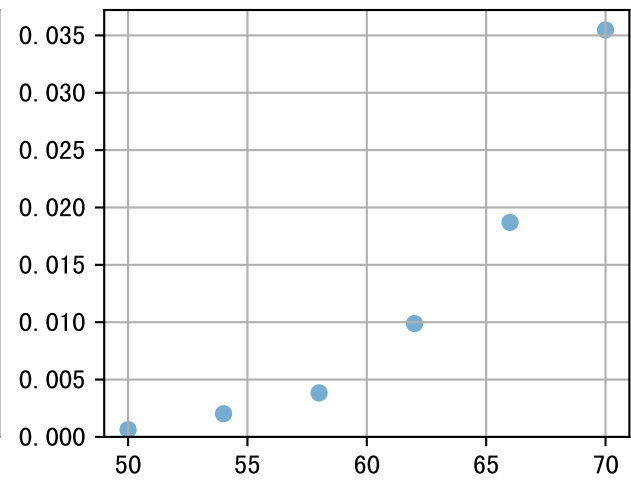
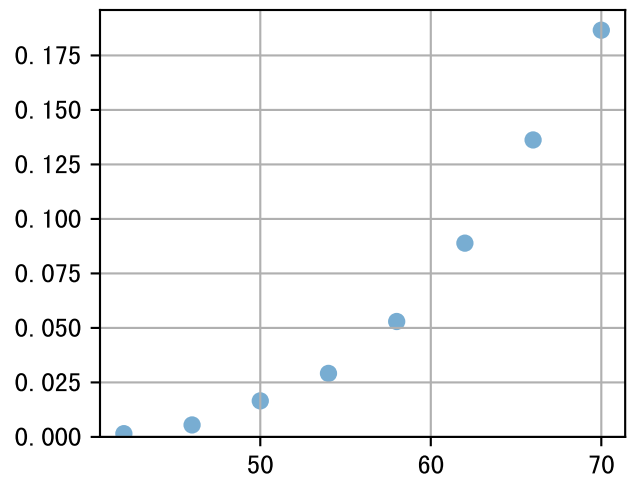
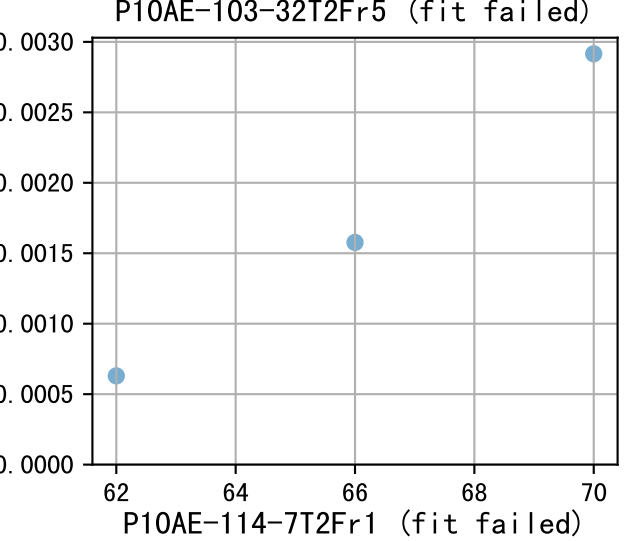
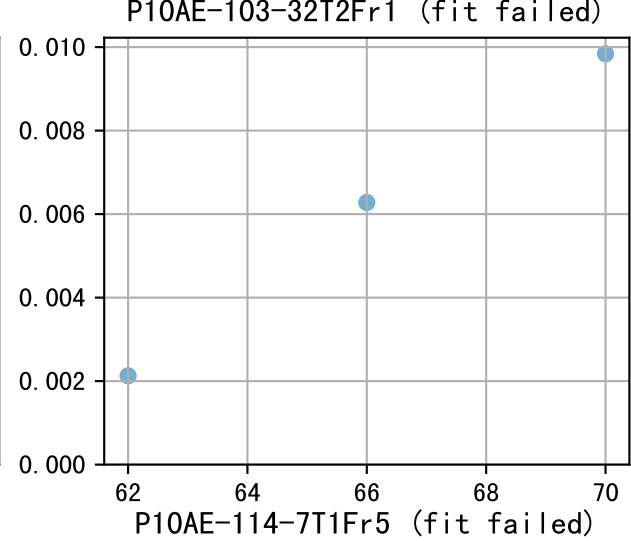
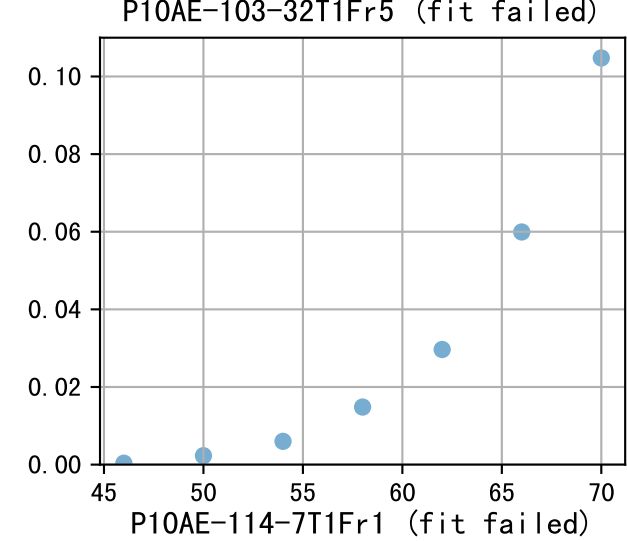
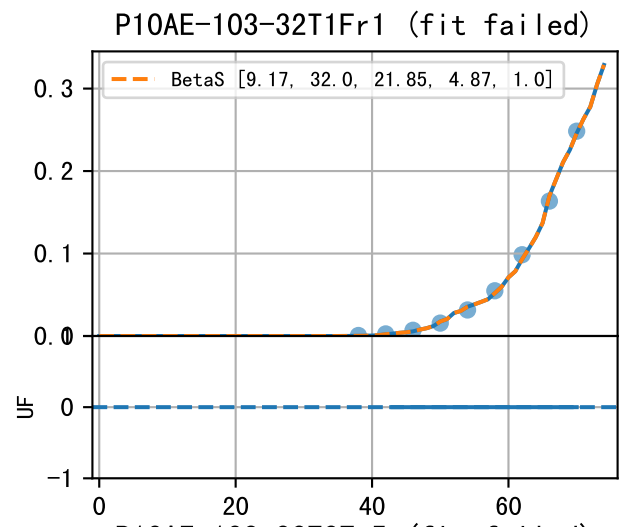
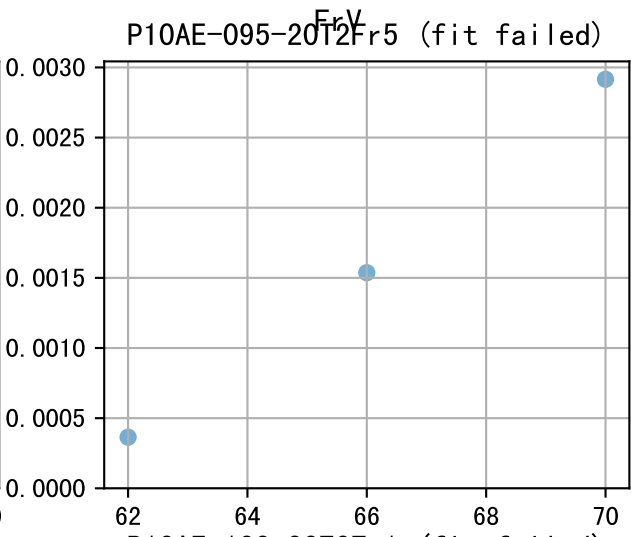
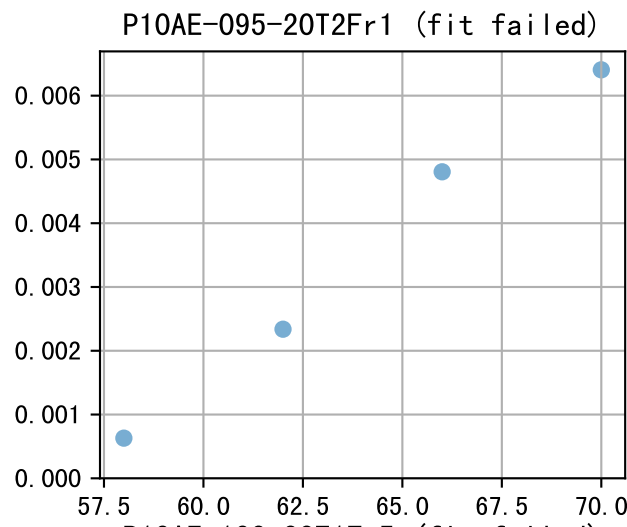


P10AE-095-20T1Fr1 (fit failed)

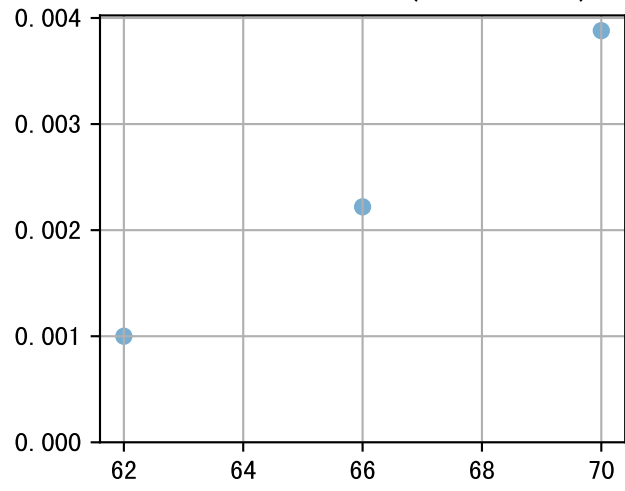


P10AE-095-20T1Fr5 (fit failed)

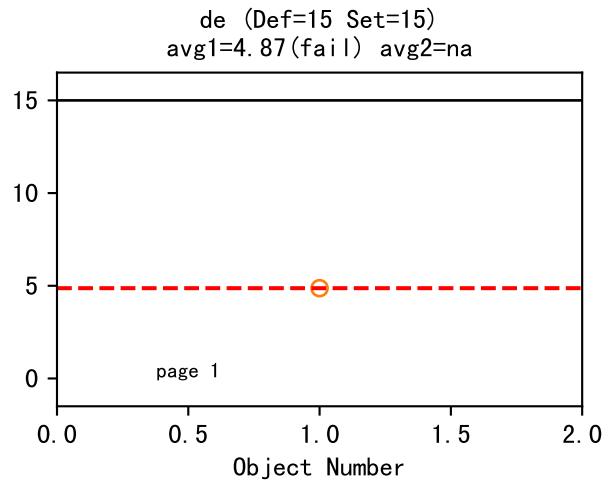
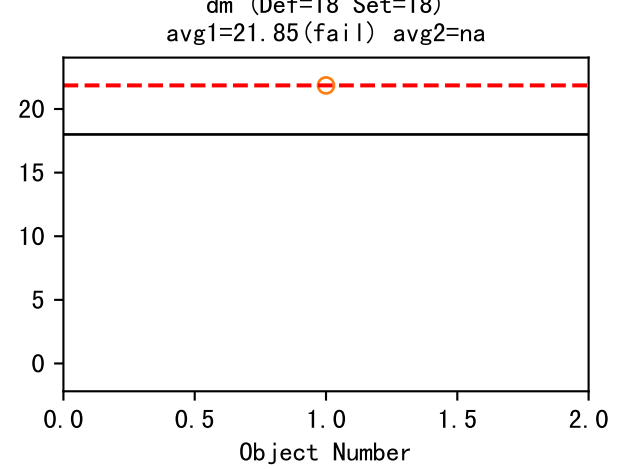
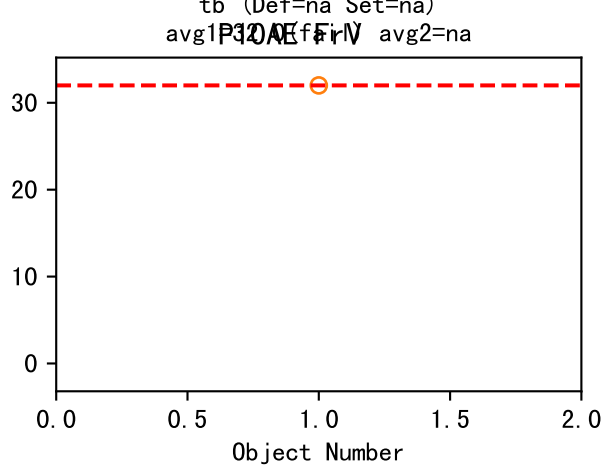
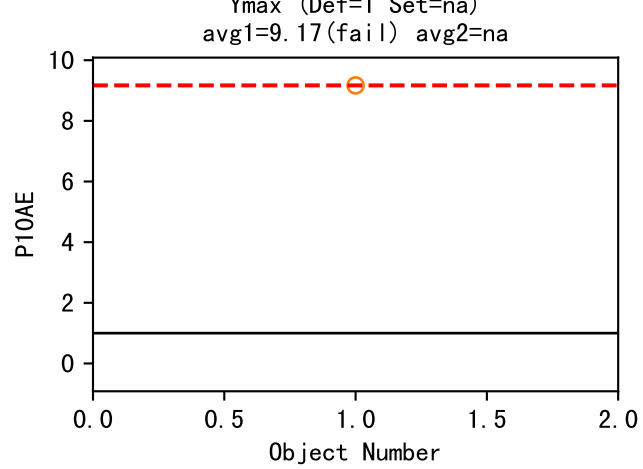




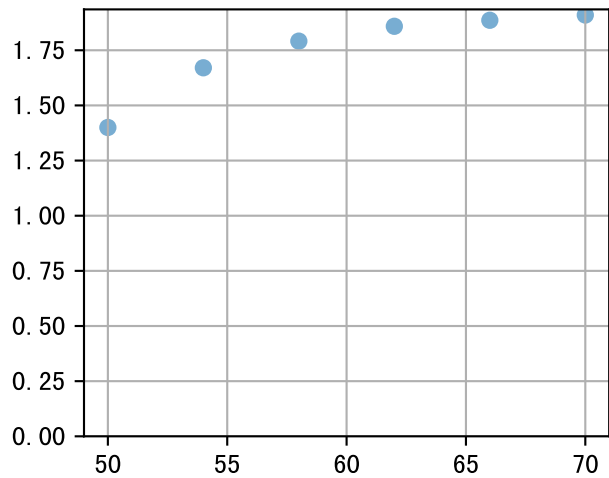
P10AE-114-7T2Fr5 (fit failed)



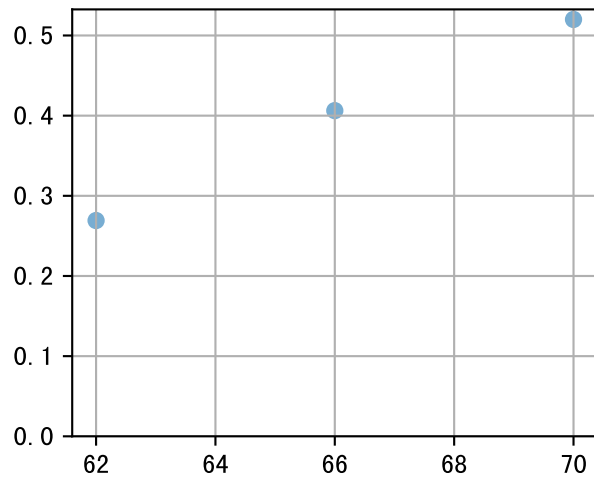
FrV



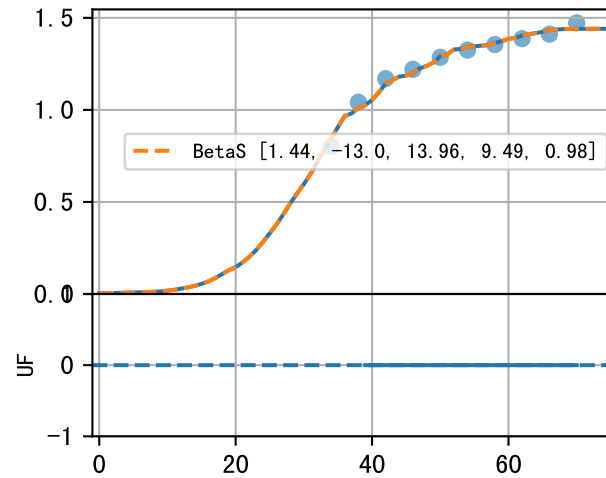
P10AE-081-12L10 (fit failed)



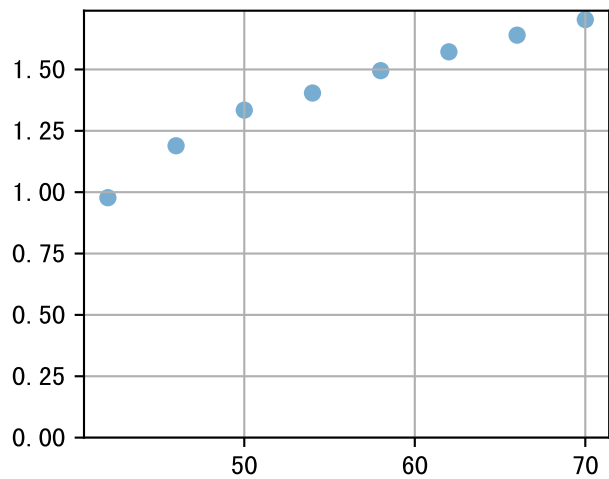
P10AE-081-12L13 (fit failed)



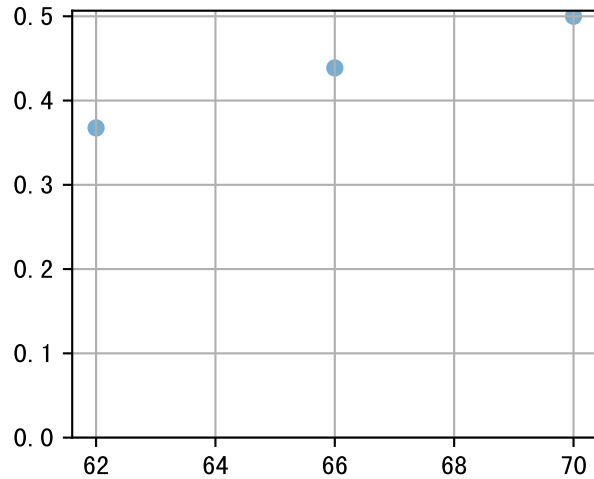
P10AE-081-12L7



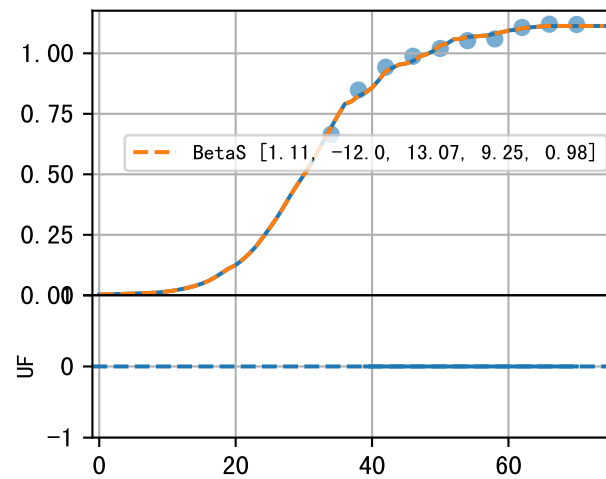
P10AE-087-27L11 (fit failed)



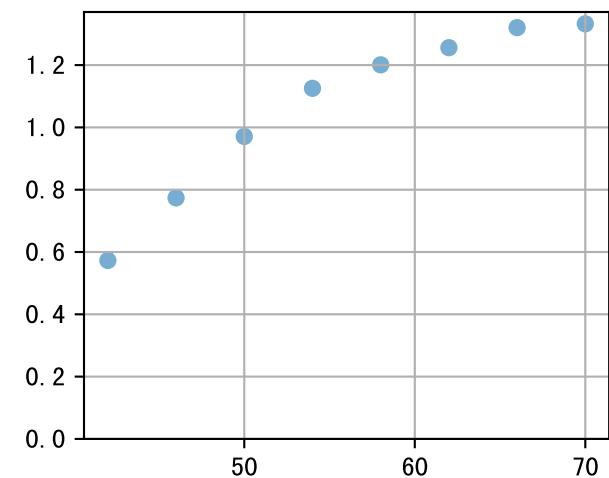
P10AE-087-27L14 (fit failed)



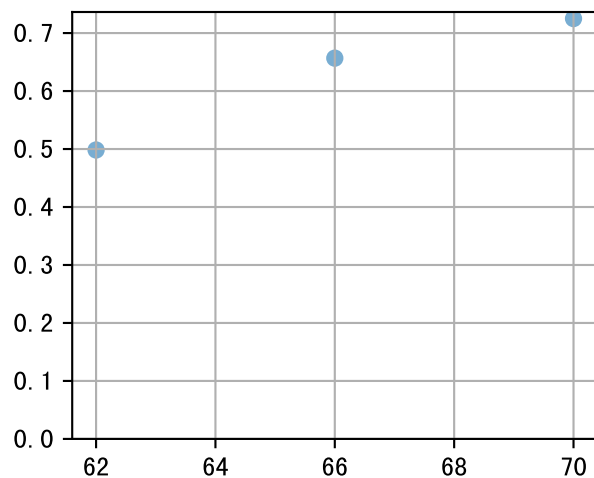
P10AE-087-27L8



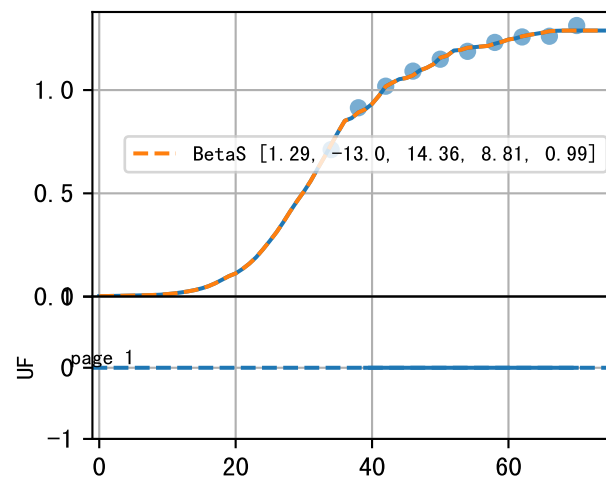
P10AE-095-20L10 (fit failed)



P10AE-095-20L13 (fit failed)

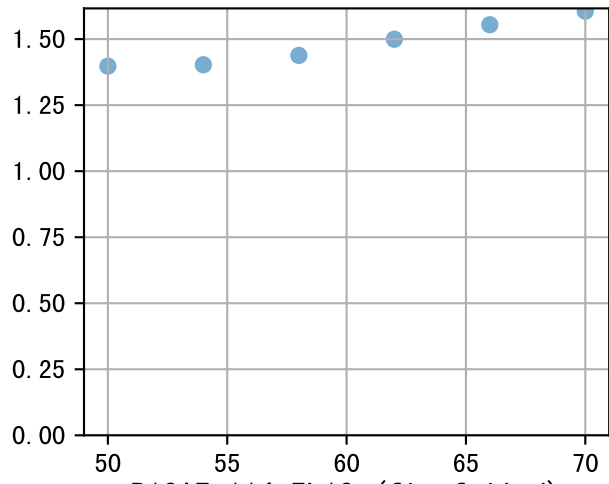


P10AE-095-20L7

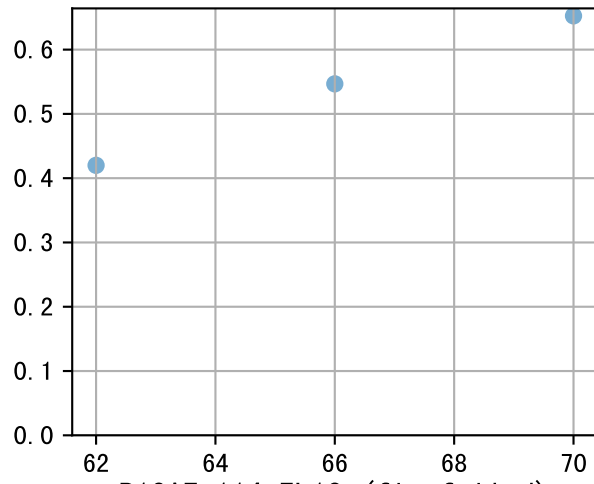


JfA

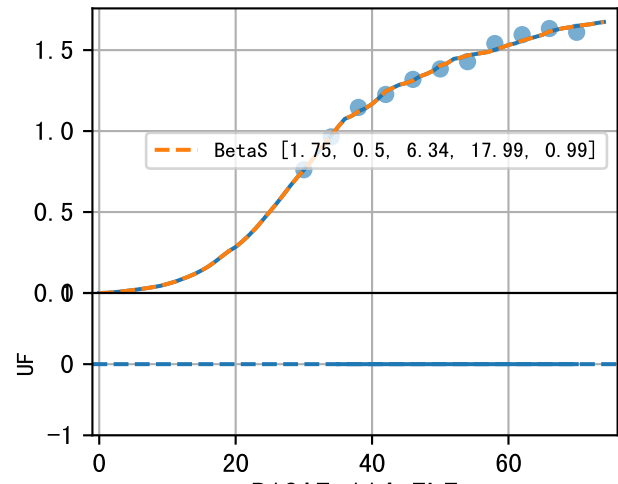
P10AE-103-32L10 (fit failed)



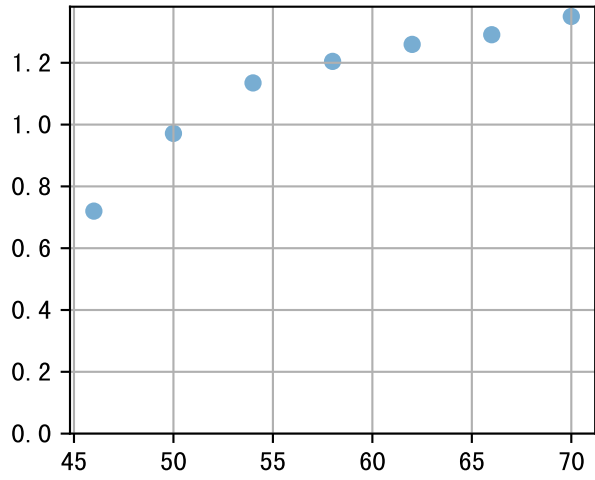
P10AE-103-32L13 (fit failed)



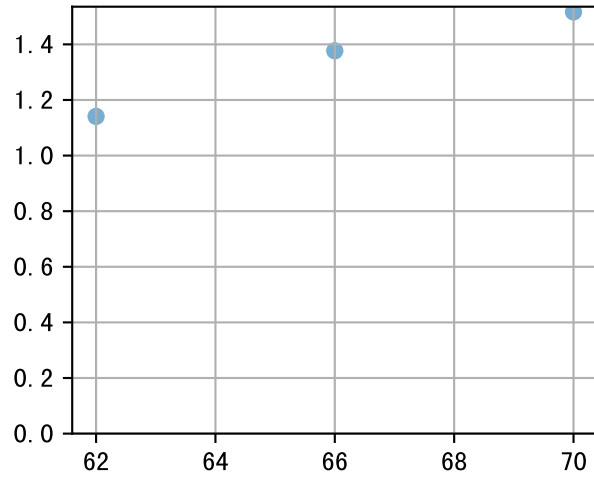
P10AE-103-32L7 (fit failed)



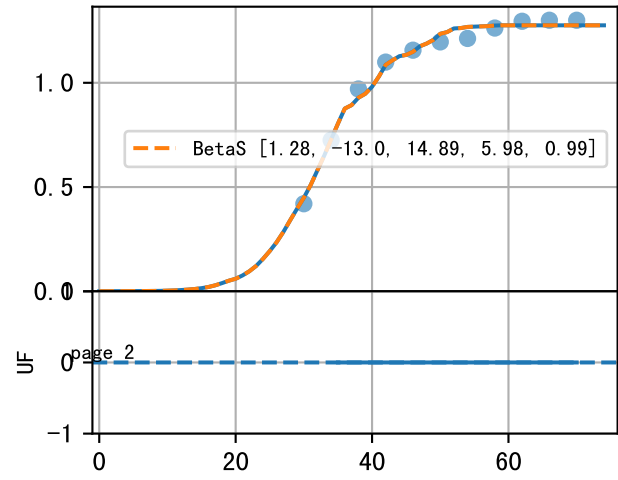
P10AE-114-7L10 (fit failed)

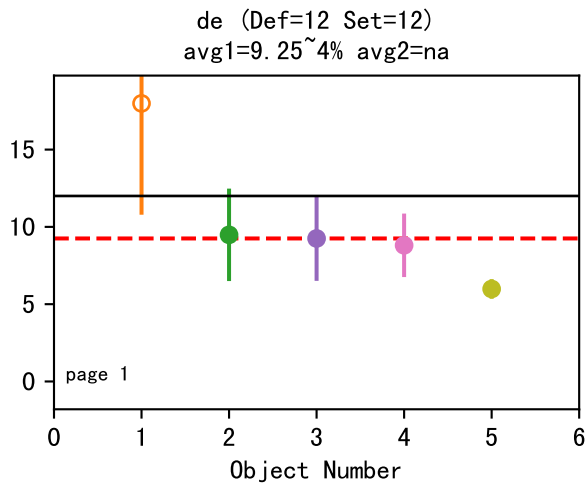
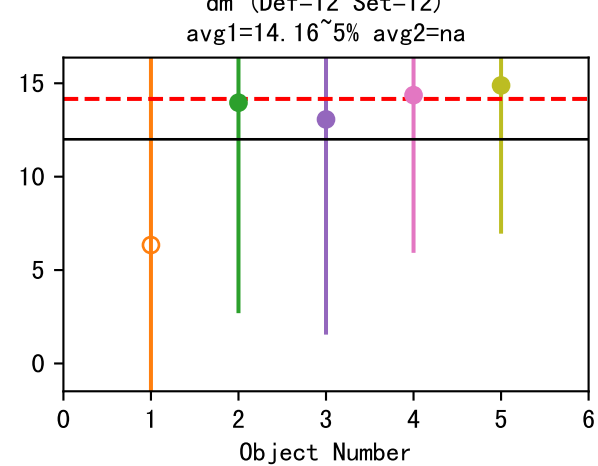
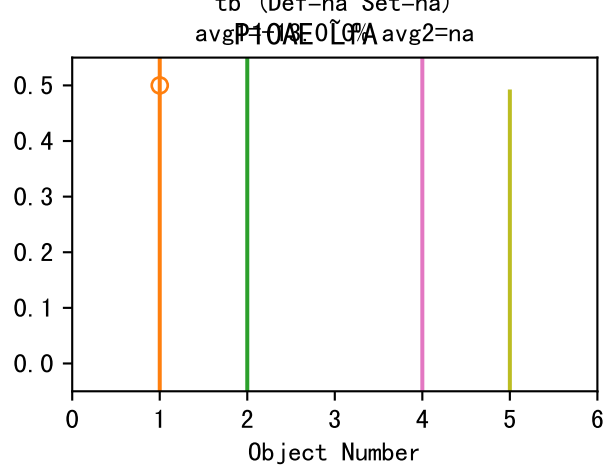
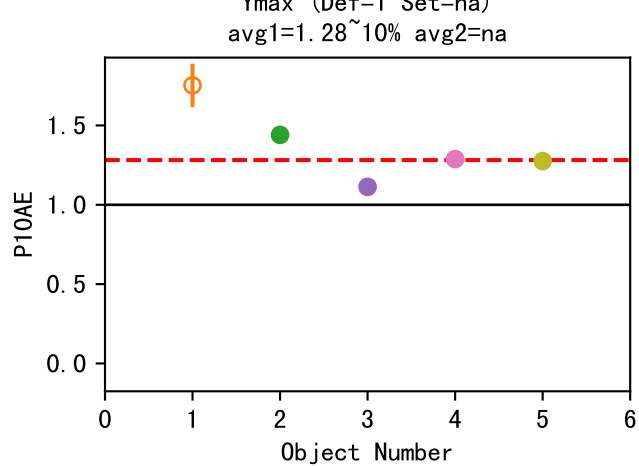


P10AE-114-7L13 (fit failed)

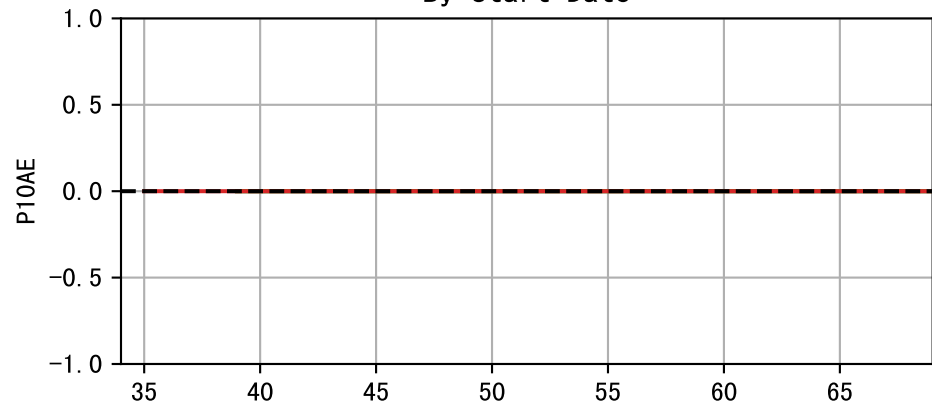


P10AE-114-7L7

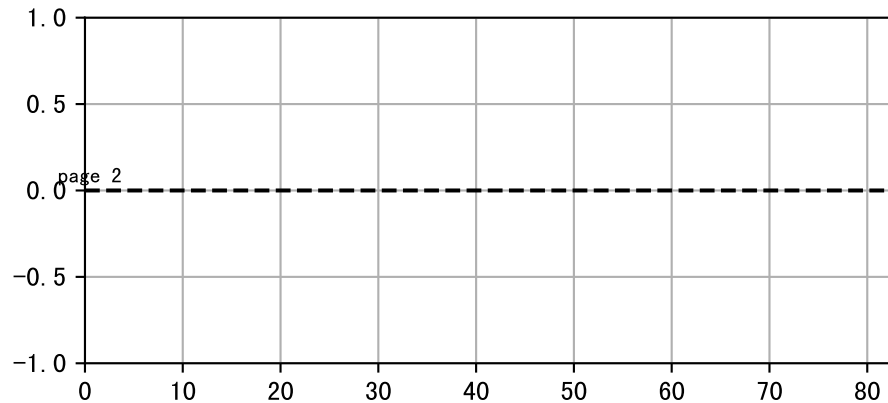
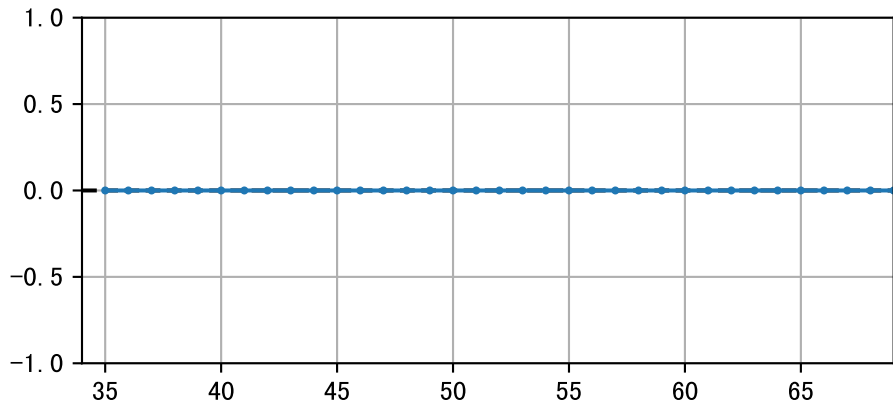
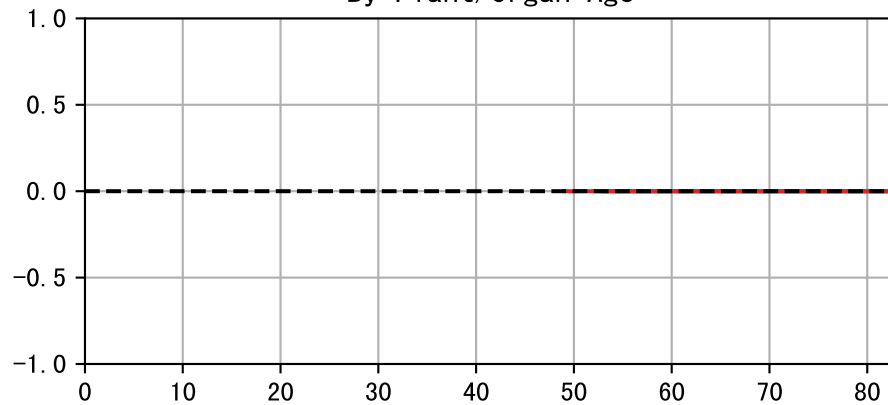


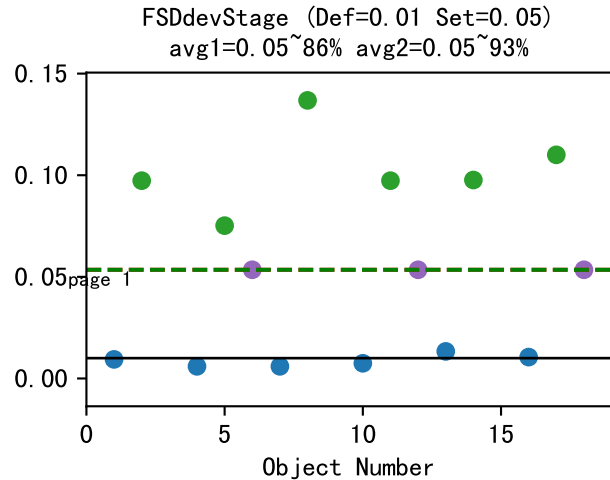
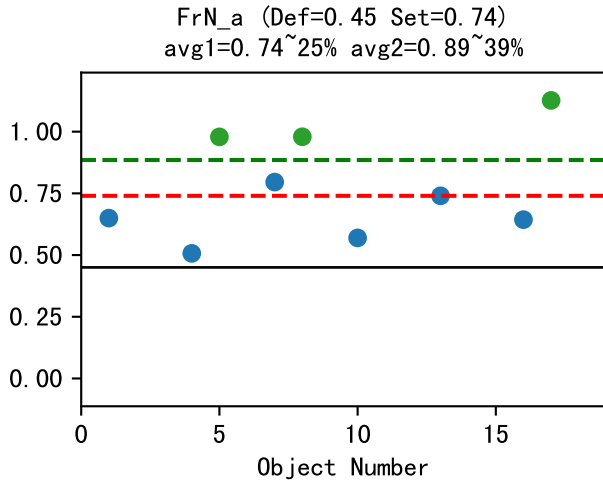
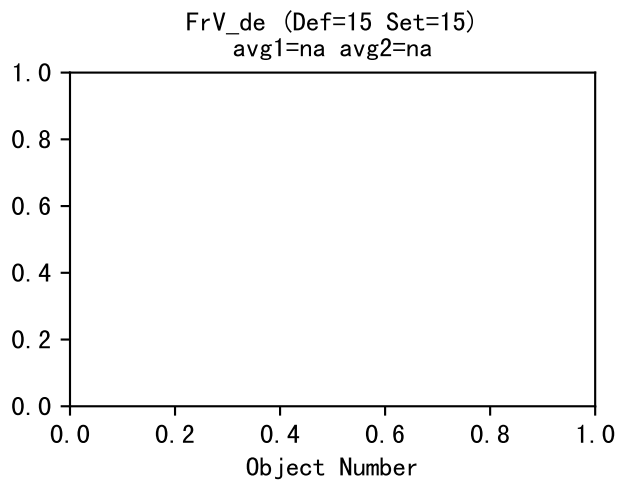
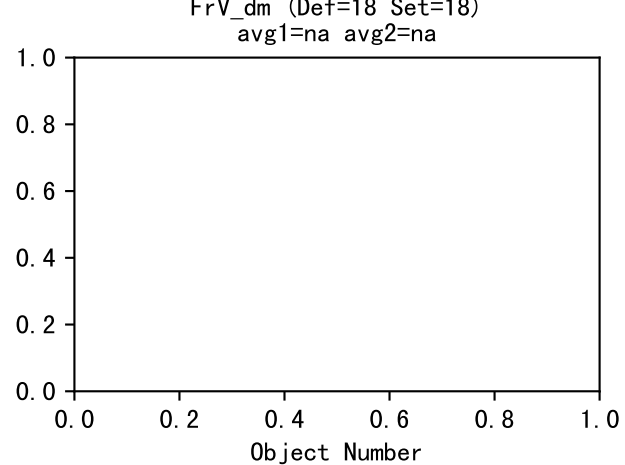
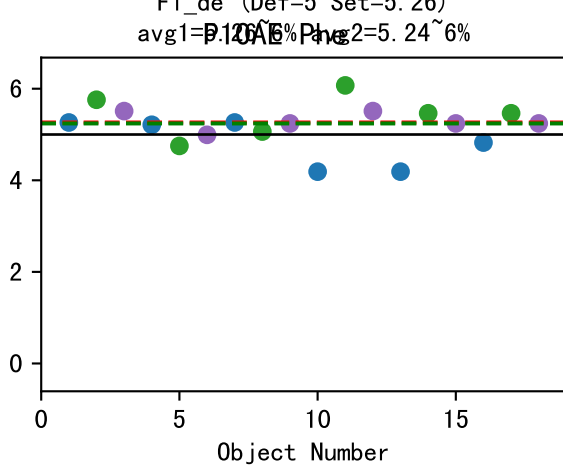
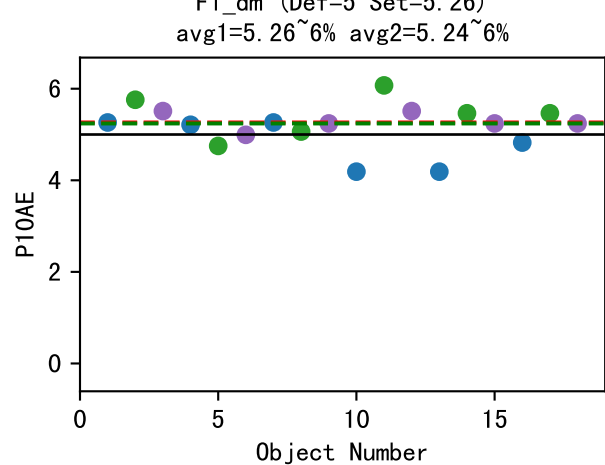


By Start Date

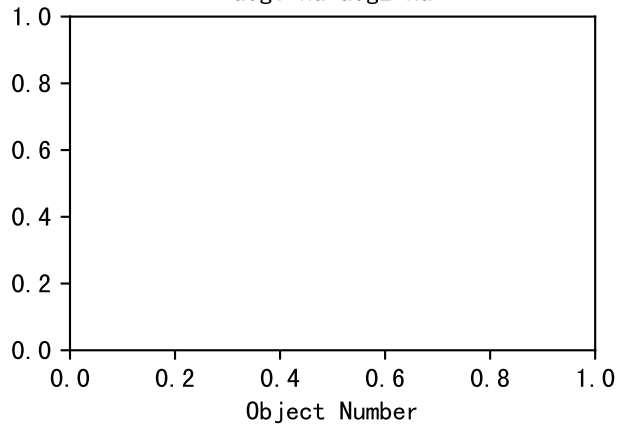


By Plant/Organ Age

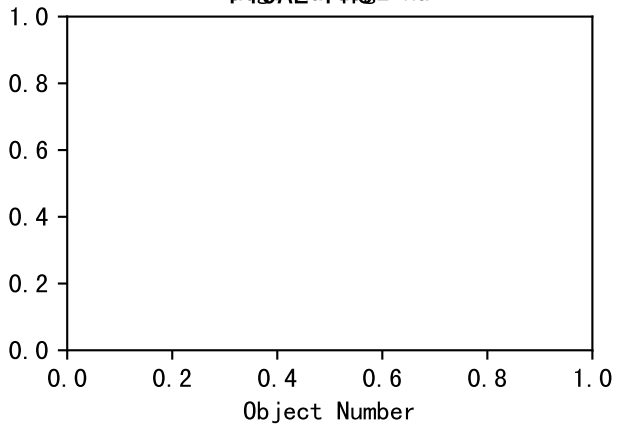




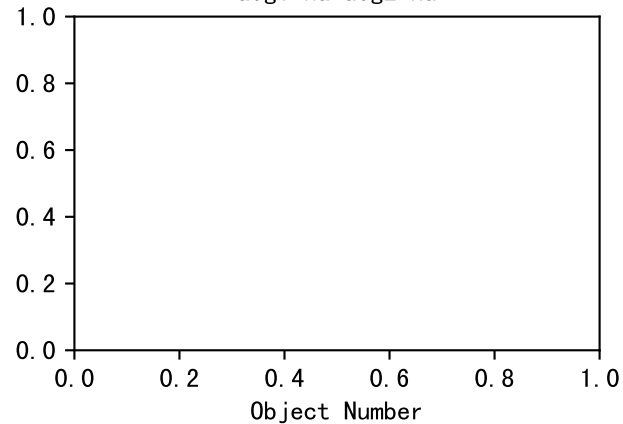
FGDdevStage (Def=0.7 Set=0.7)  
avg1=na avg2=na



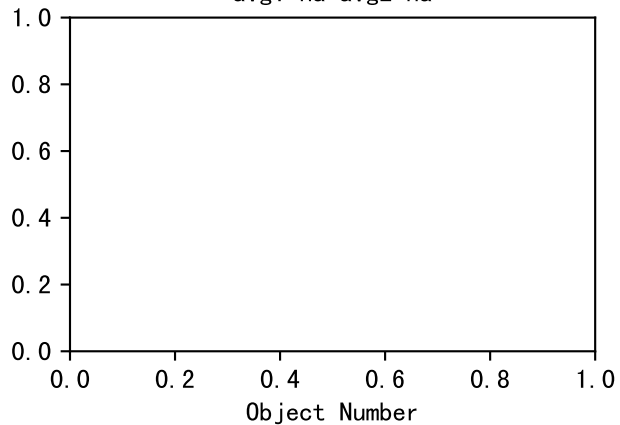
FMBDdevStage (Def=1.3 Set=1.3)  
avg1=na avg2=na



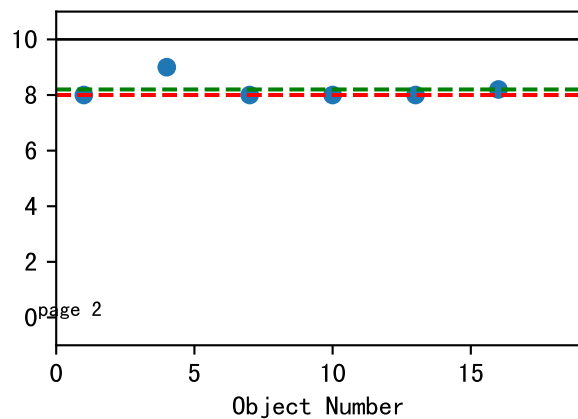
FMEDdevStage (Def=1.8 Set=1.8)  
avg1=na avg2=na



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

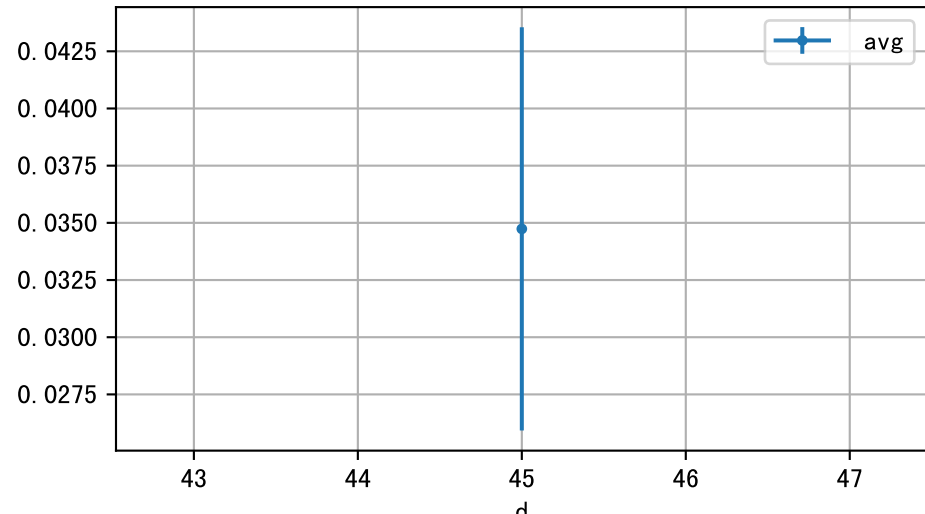


NNgen (Def=10 Set=8)  
avg1=8.0~0% avg2=8.2

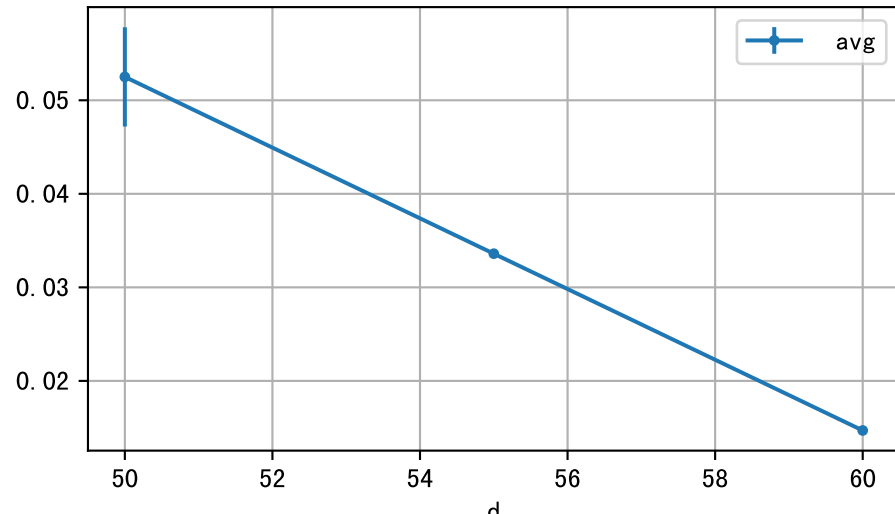


LfA: avg vs. d at each age group

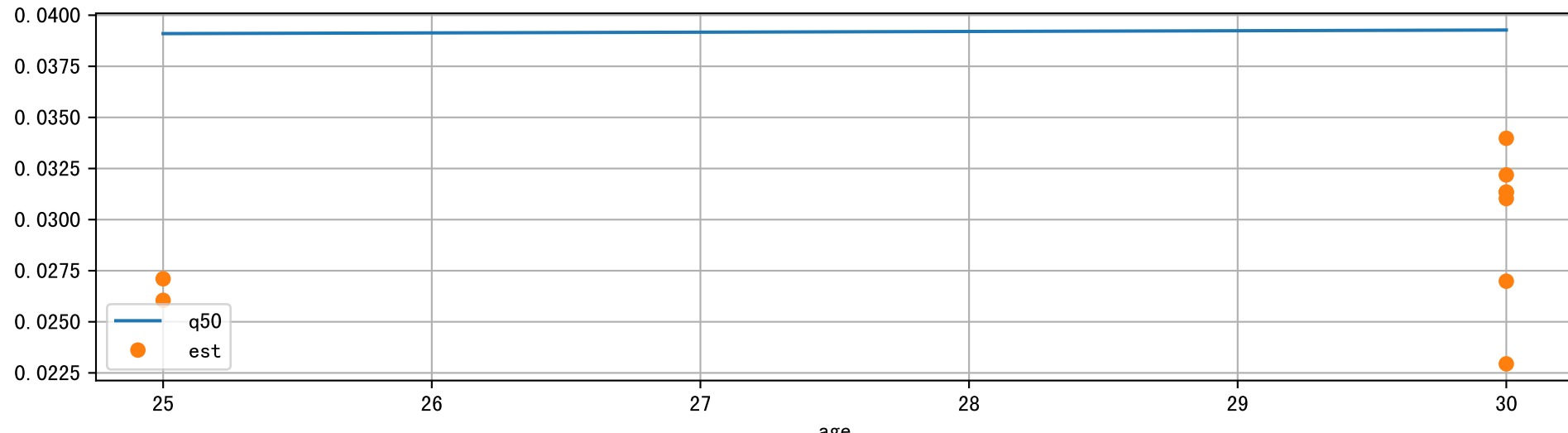
age=25



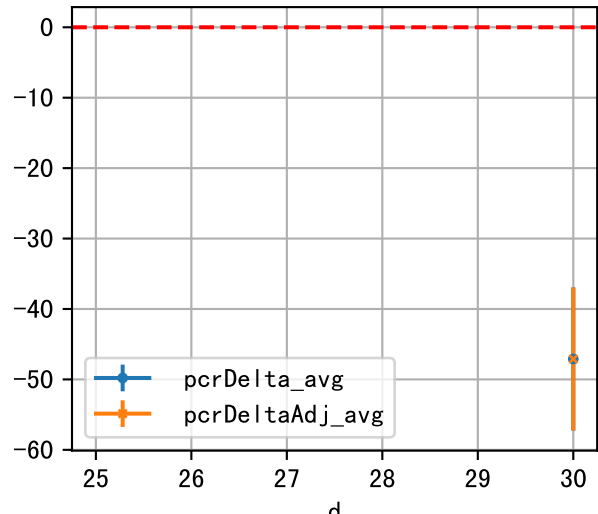
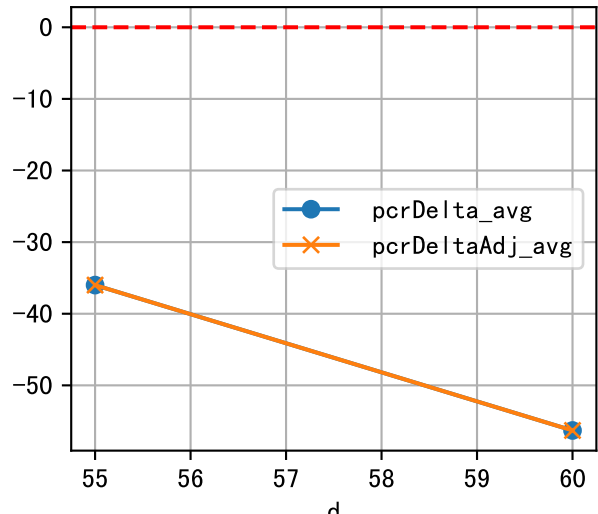
age=30



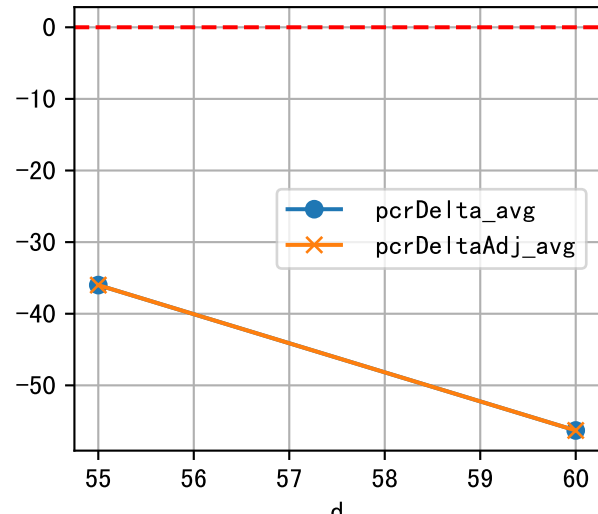
LfA: model est vs obs0v@Q50



DeltaTypeAbbr=GrpByAge

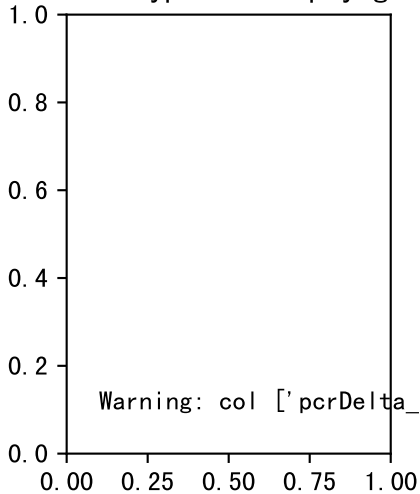
P10AE LfA: D\_5d\_LfA  
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

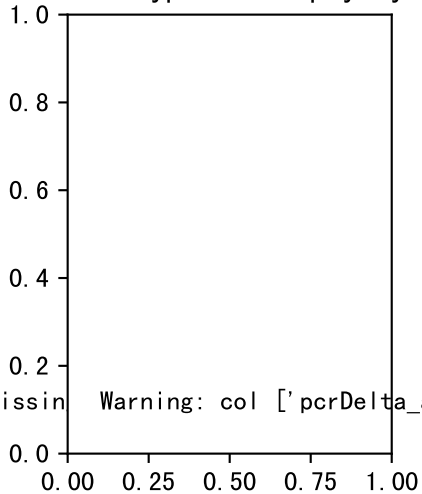


P10AE LfA: D\_15d\_LfA

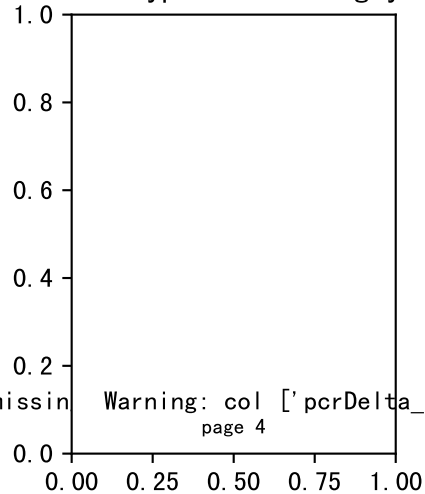
DeltaTypeAbbr=GrpByAge



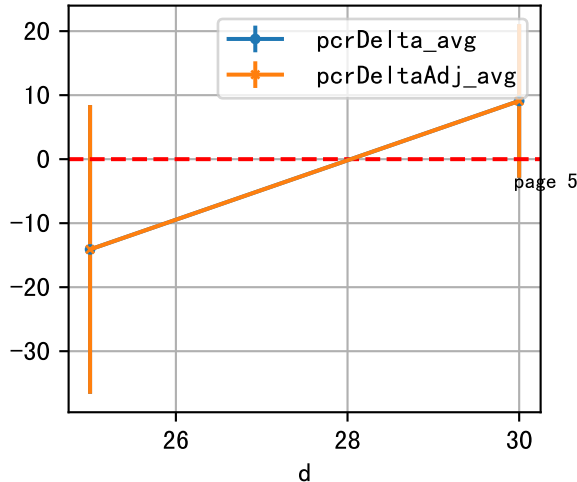
DeltaTypeAbbr=GrpByDay



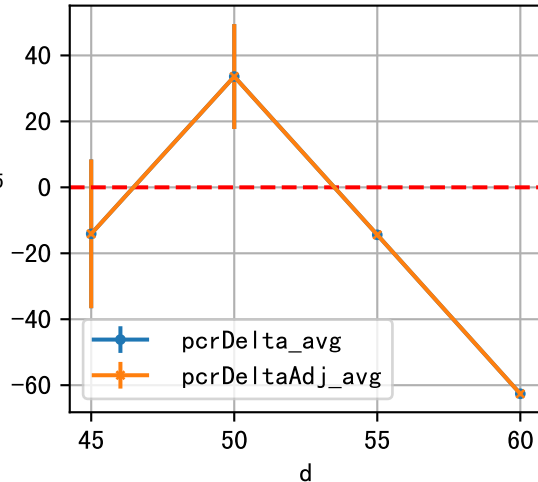
DeltaTypeAbbr=WeiAvgByD



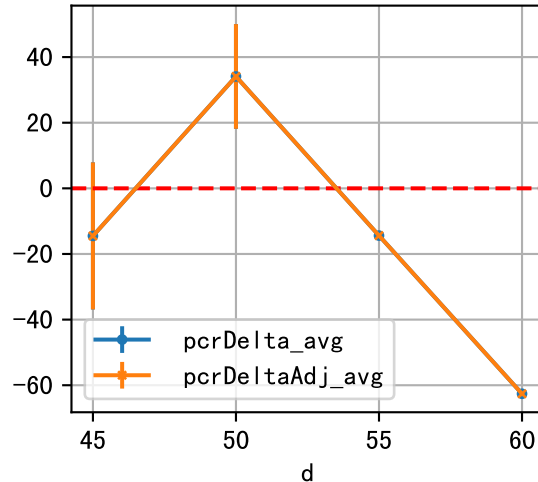
DeltaTypeAbbr=GrpByAge



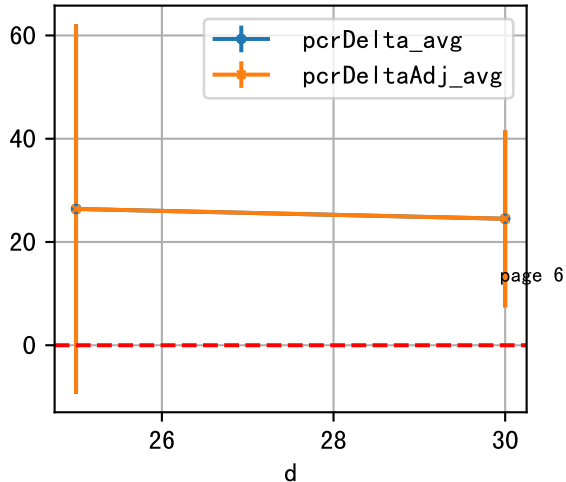
DeltaTypeAbbr=GrpByDay



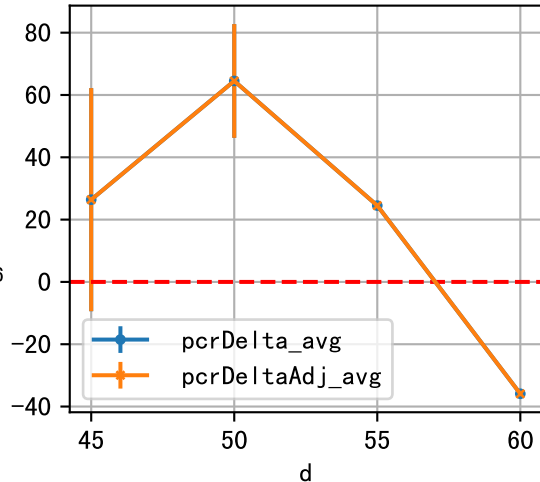
DeltaTypeAbbr=Wei AvgByD



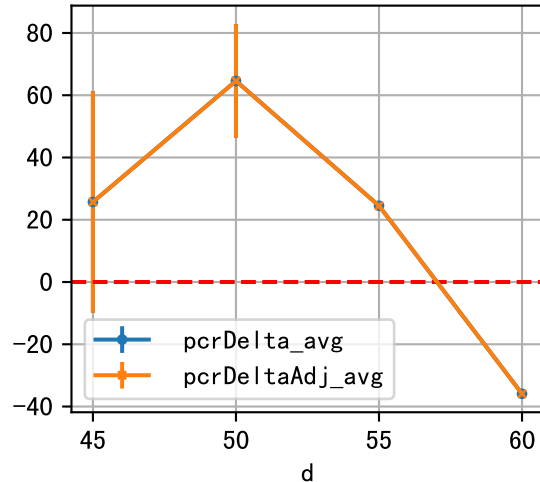
DeltaTypeAbbr=GrpByAge



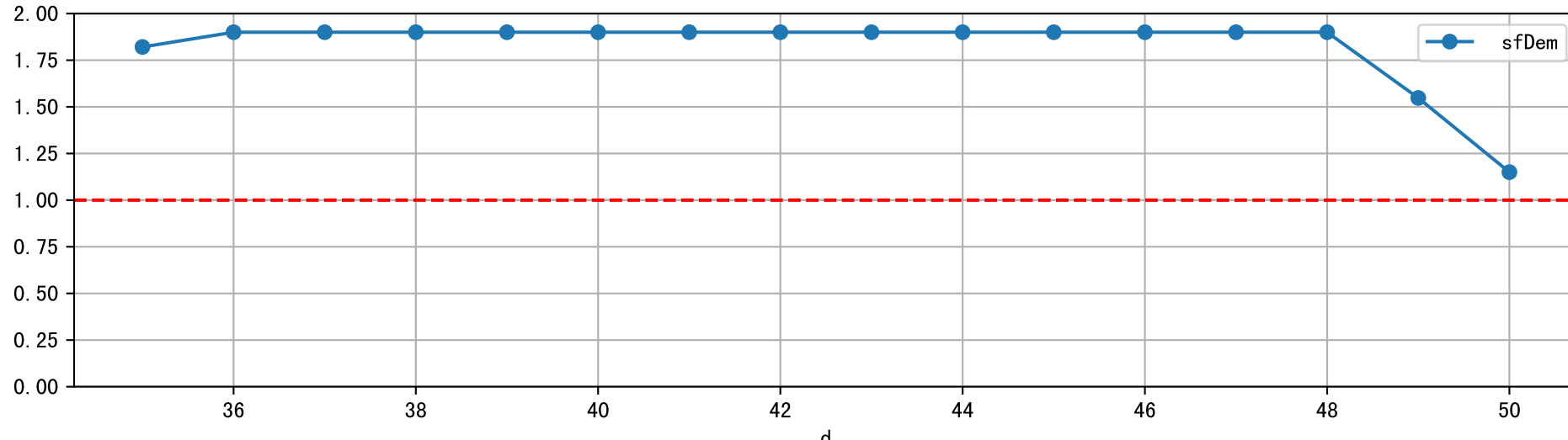
DeltaTypeAbbr=GrpByDay

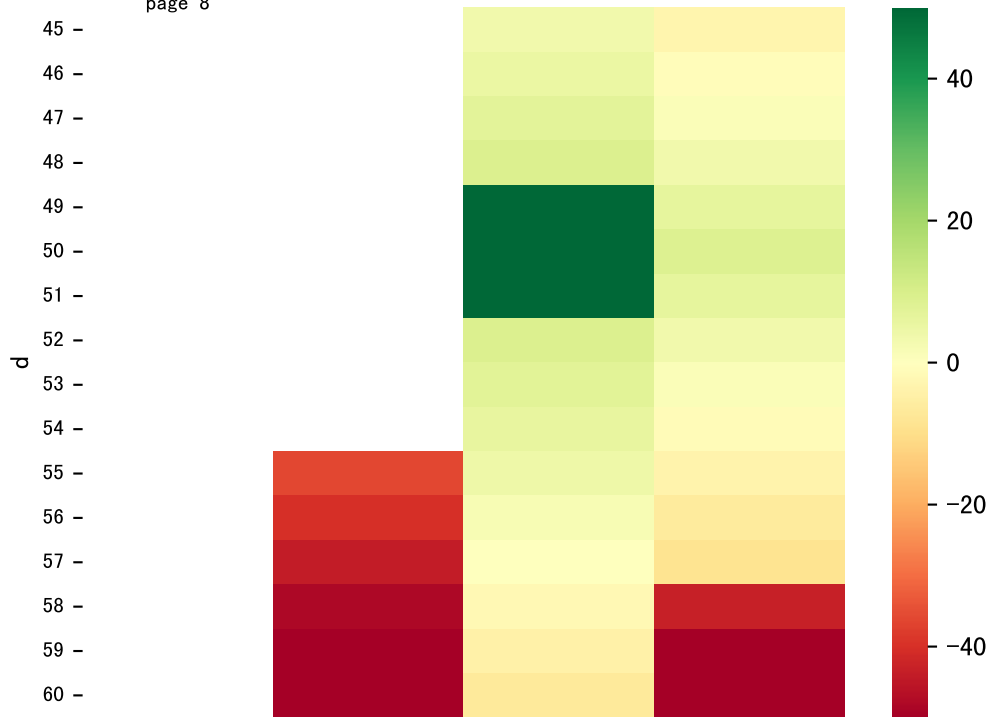


DeltaTypeAbbr=Wei AvgByD



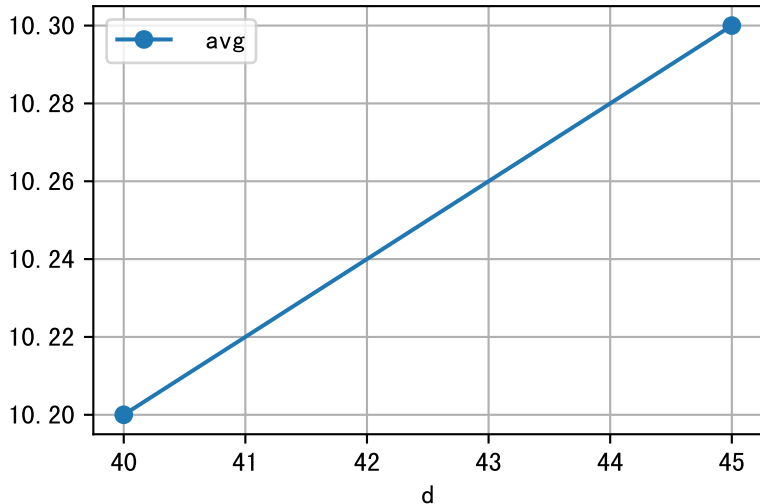
LfA: sfDem



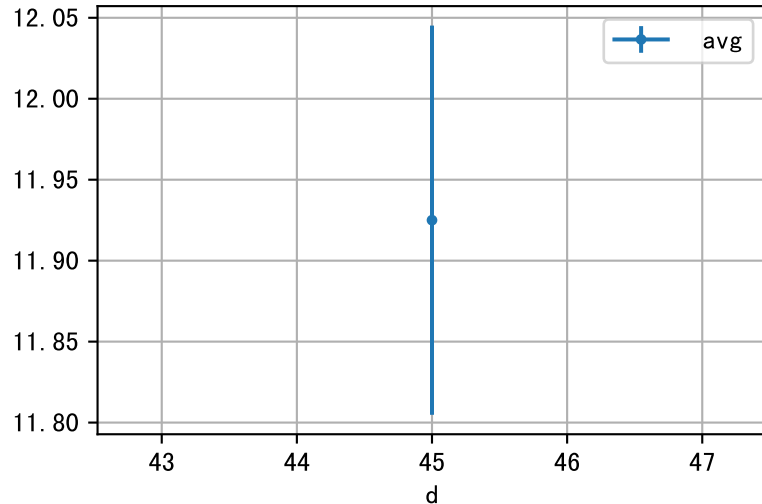


# NdD: avg vs. d at each age group

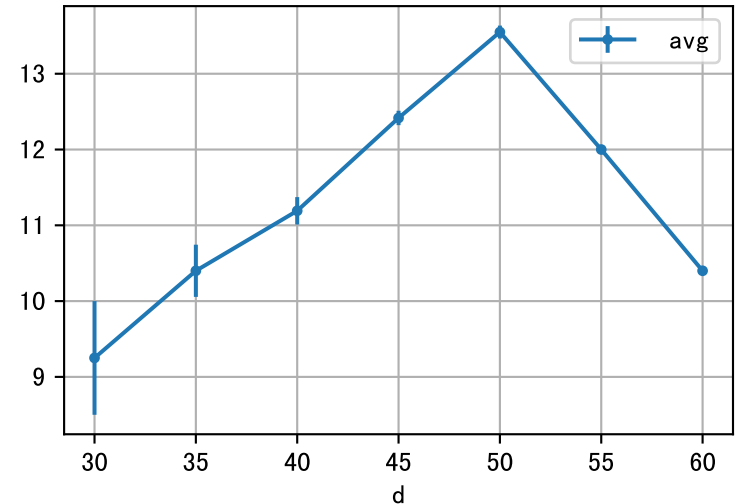
## age=20



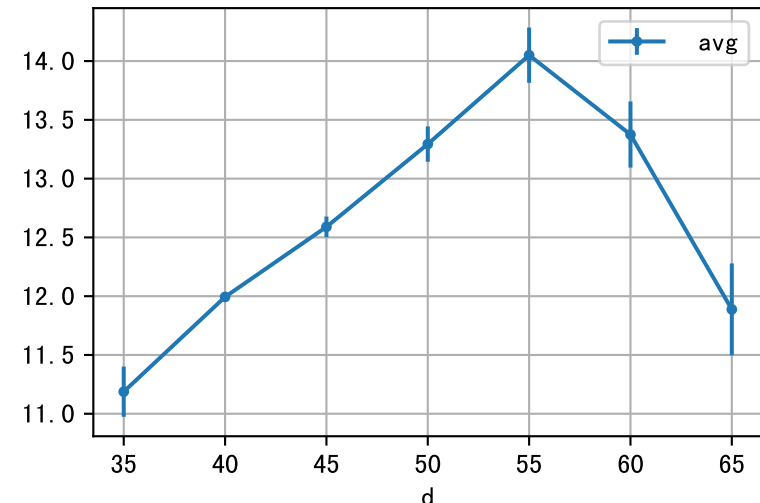
## age=25



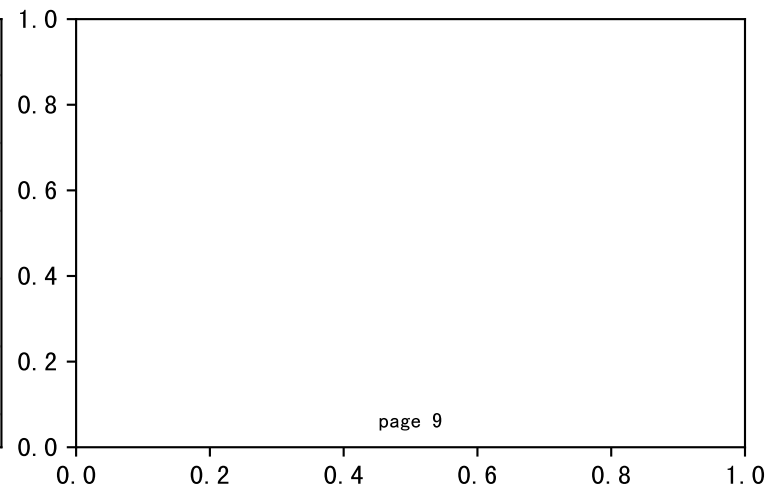
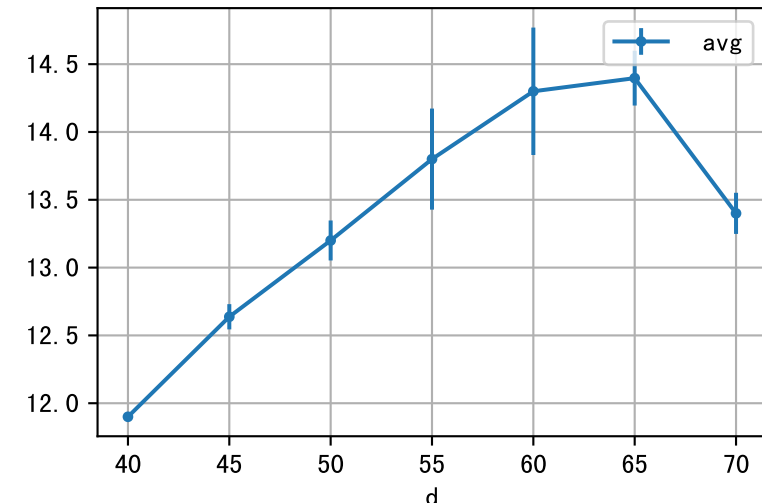
## age=30



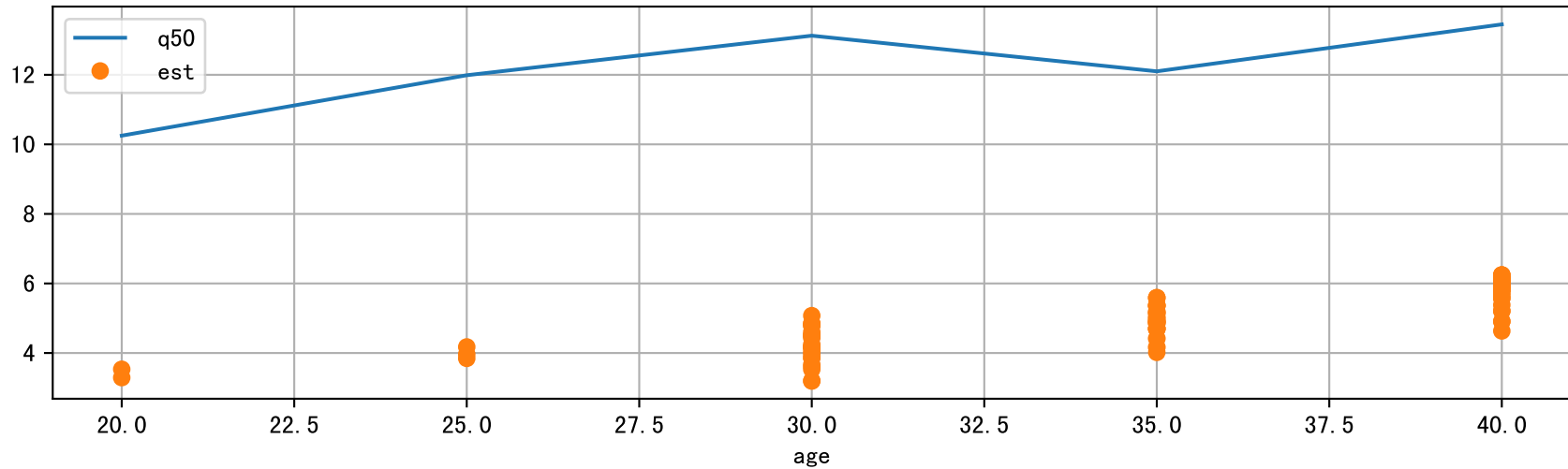
## age=35



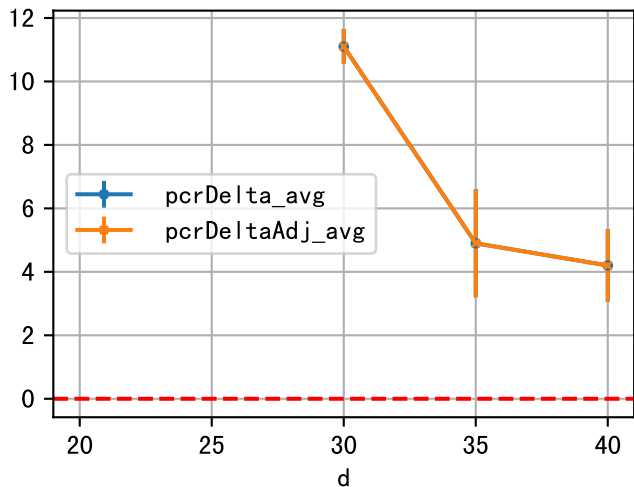
## age=40



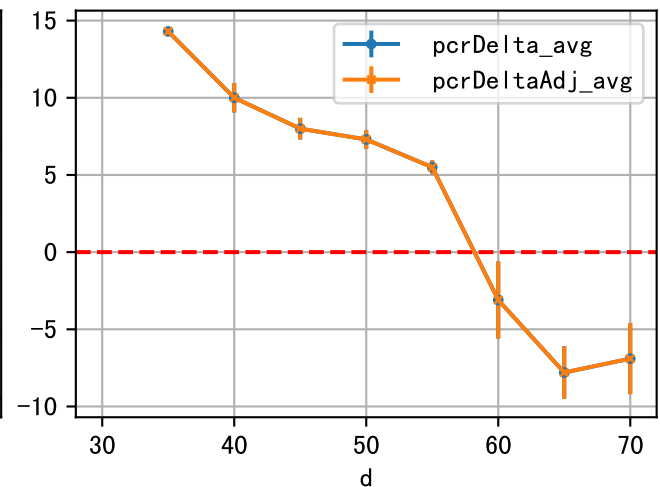
NdD: model est vs obs0v@Q50



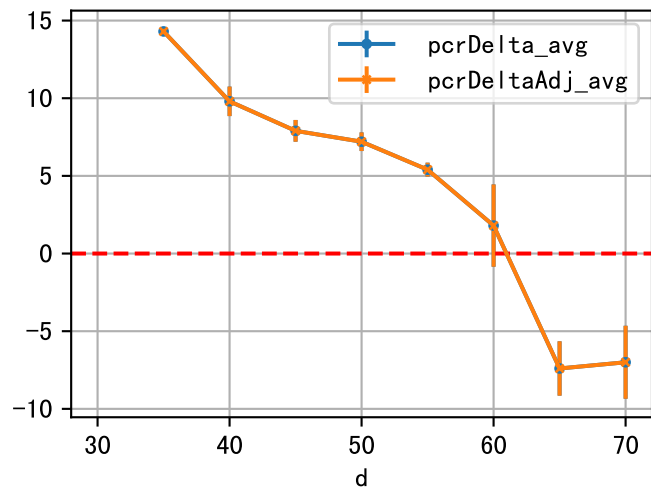
DeltaTypeAbbr=GrpByAge



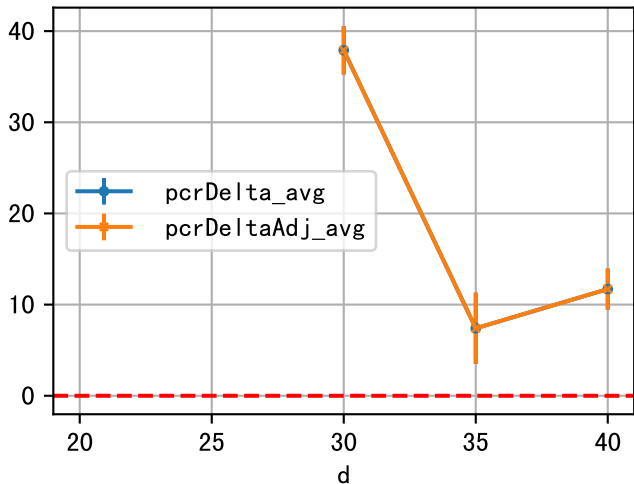
DeltaTypeAbbr=GrpByDay



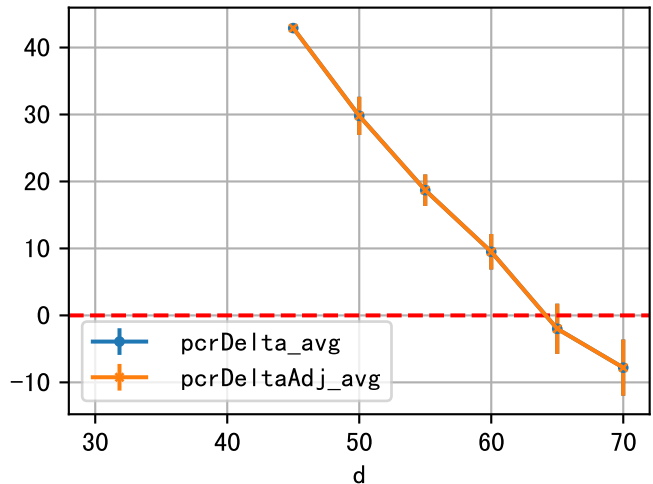
DeltaTypeAbbr=Wei AvgByD



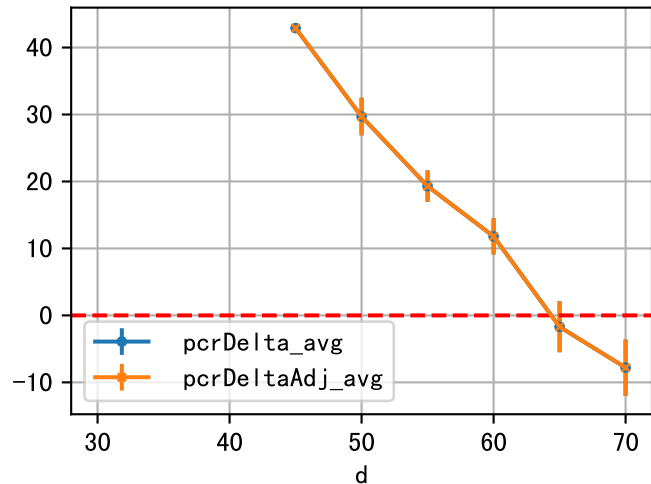
DeltaTypeAbbr=GrpByAge



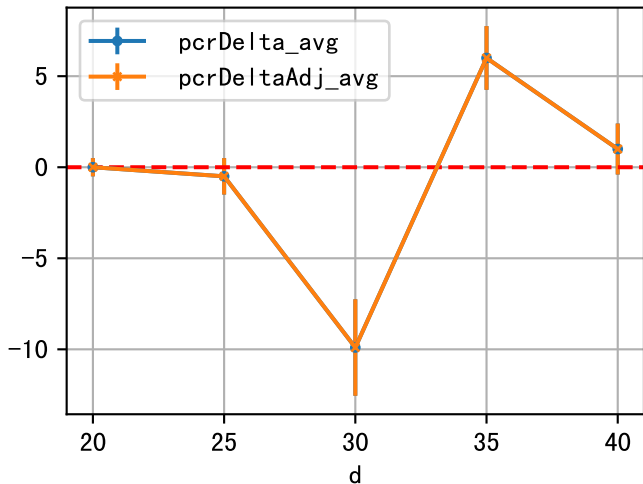
DeltaTypeAbbr=GrpByDay



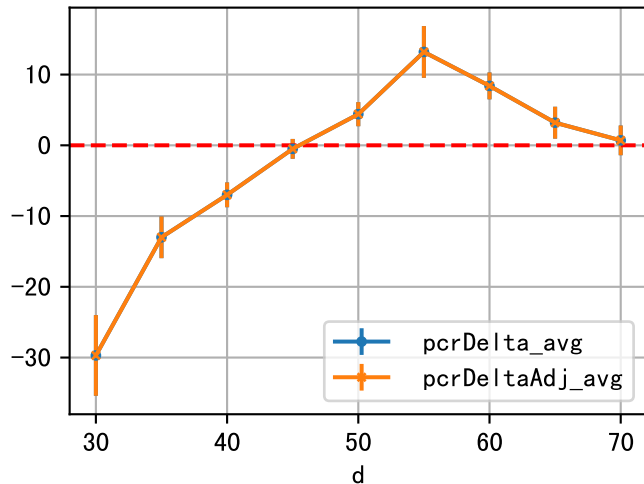
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

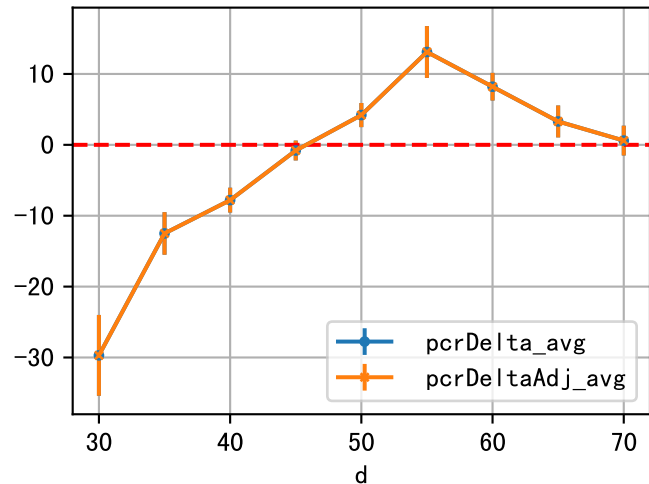


DeltaTypeAbbr=GrpByDay

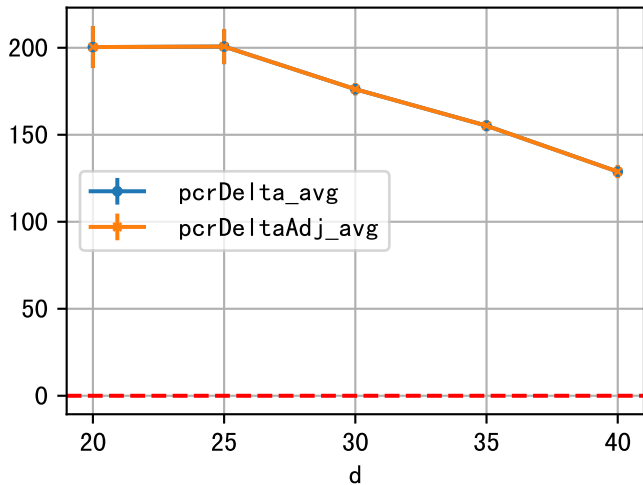


page 13

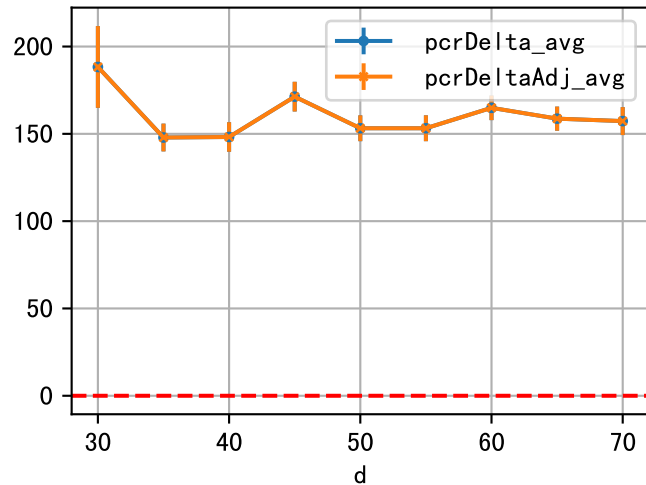
DeltaTypeAbbr=WeiAvgByD



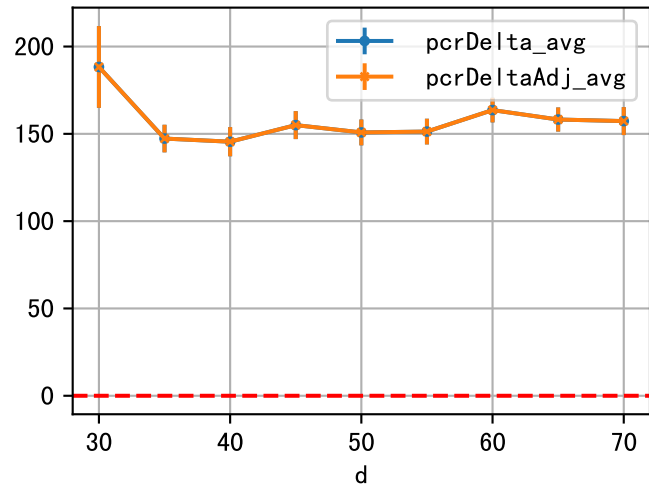
DeltaTypeAbbr=GrpByAge



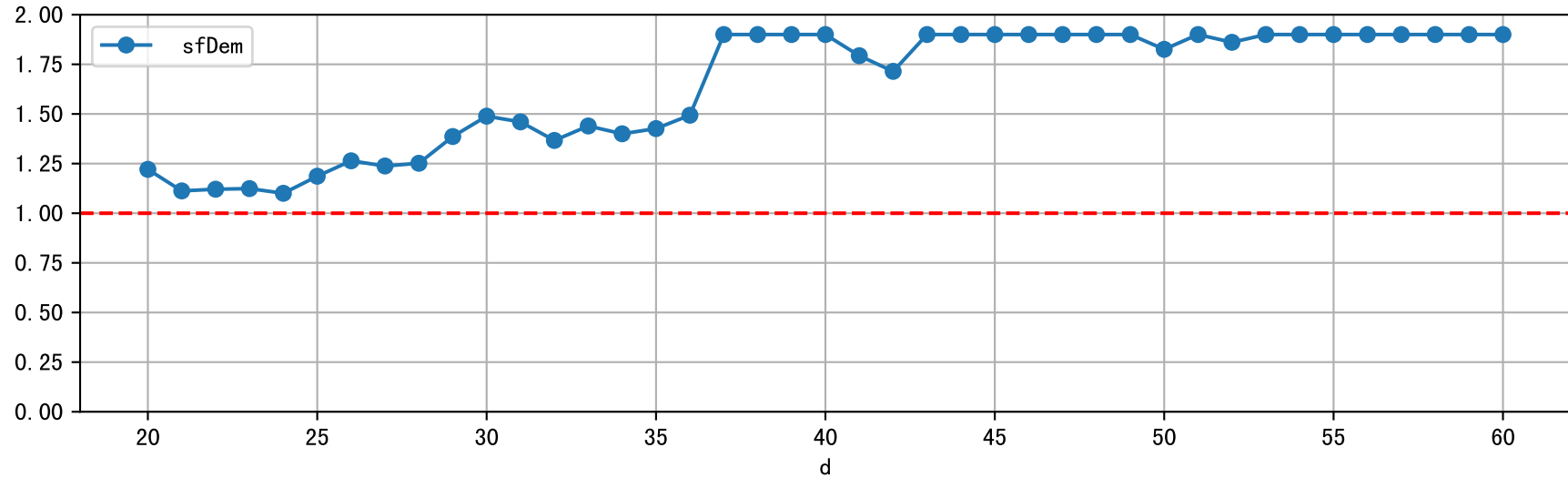
DeltaTypeAbbr=GrpByDay

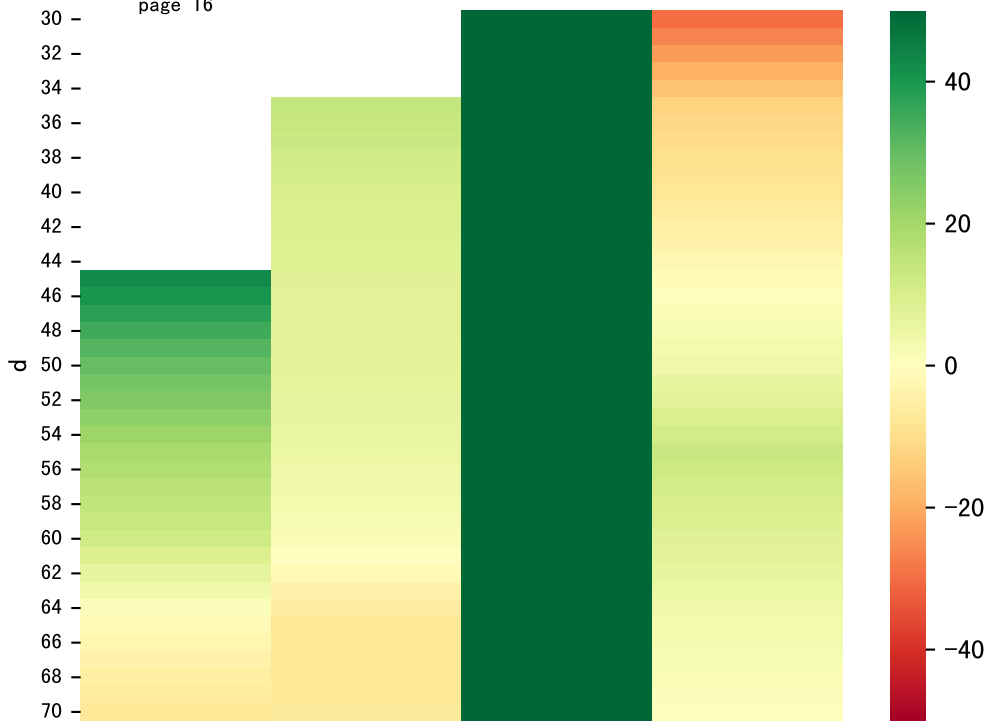


DeltaTypeAbbr=WeiAvgByD

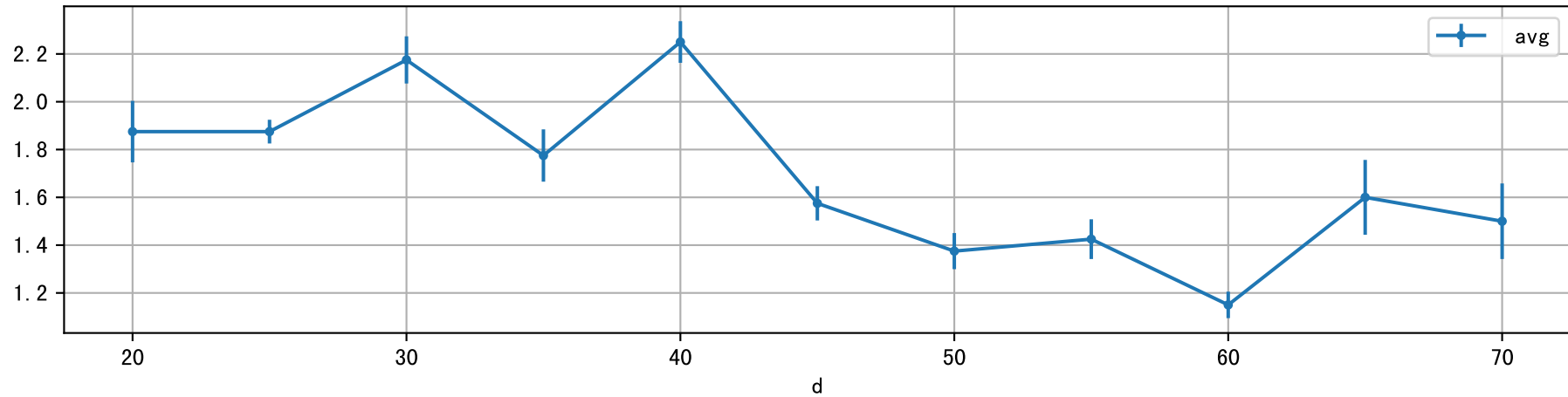


NdD: sfDem

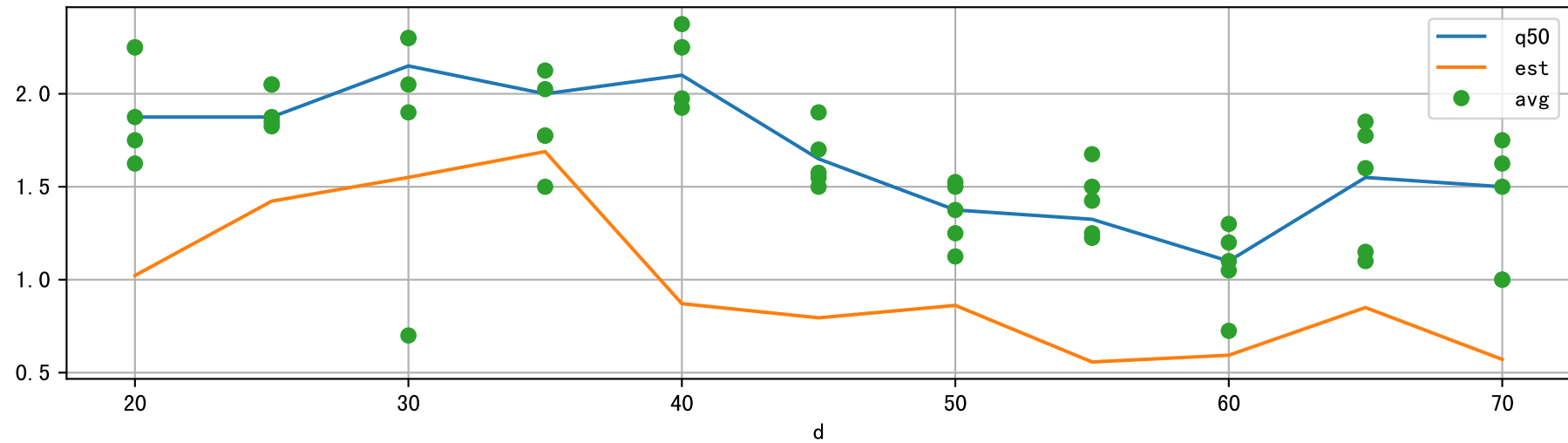




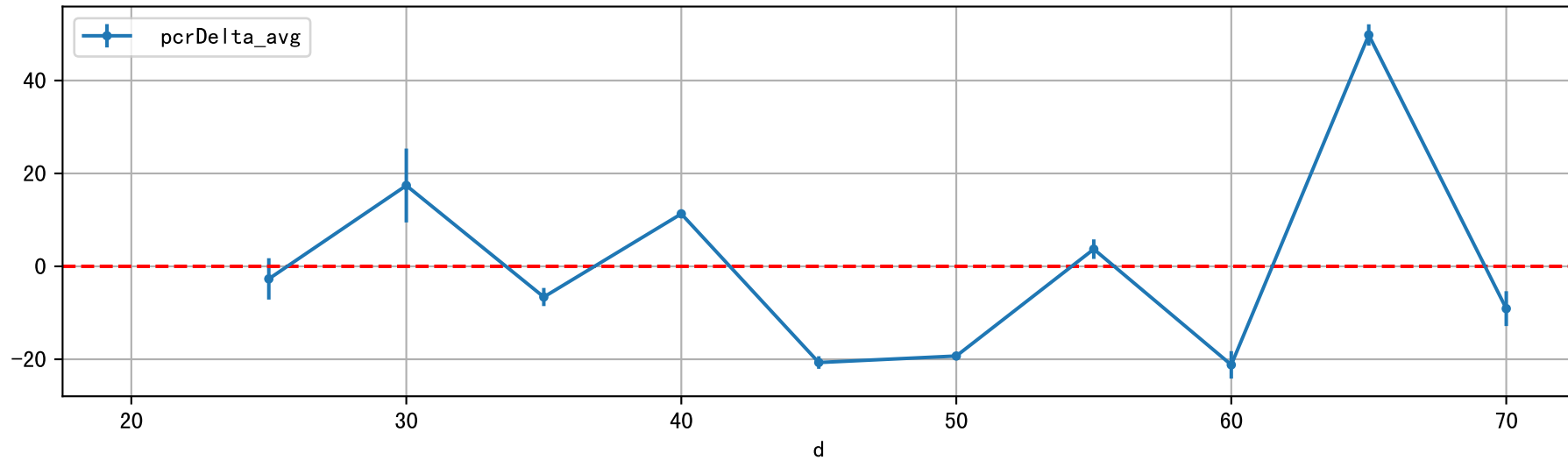
dStH: avg vs. d



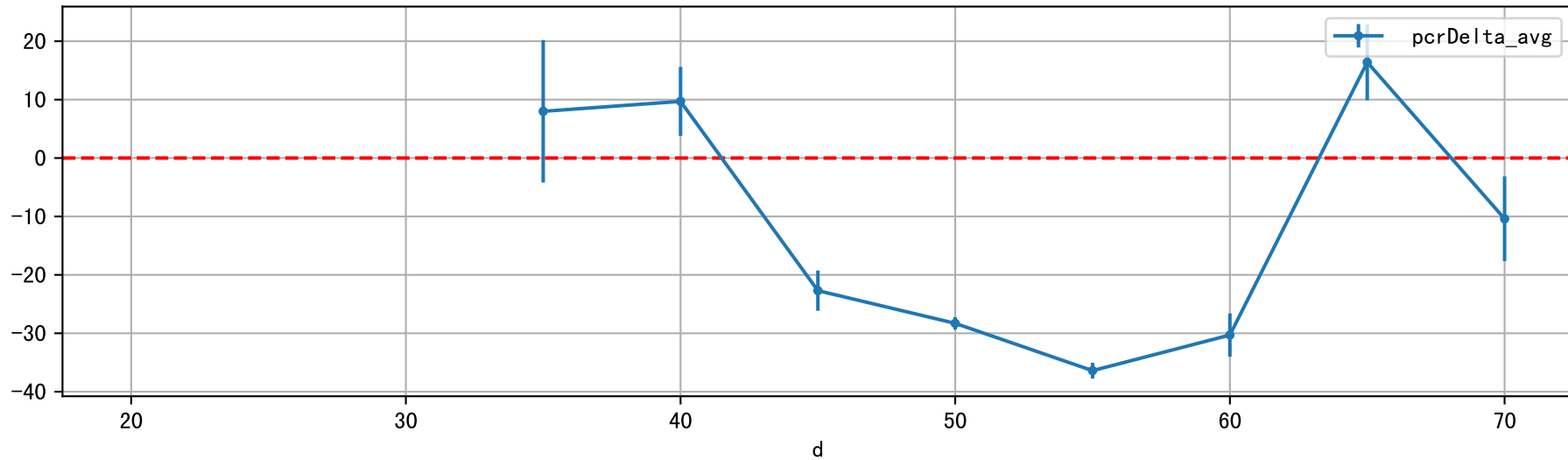
dStH: obsAvg vs obs0v@Q50



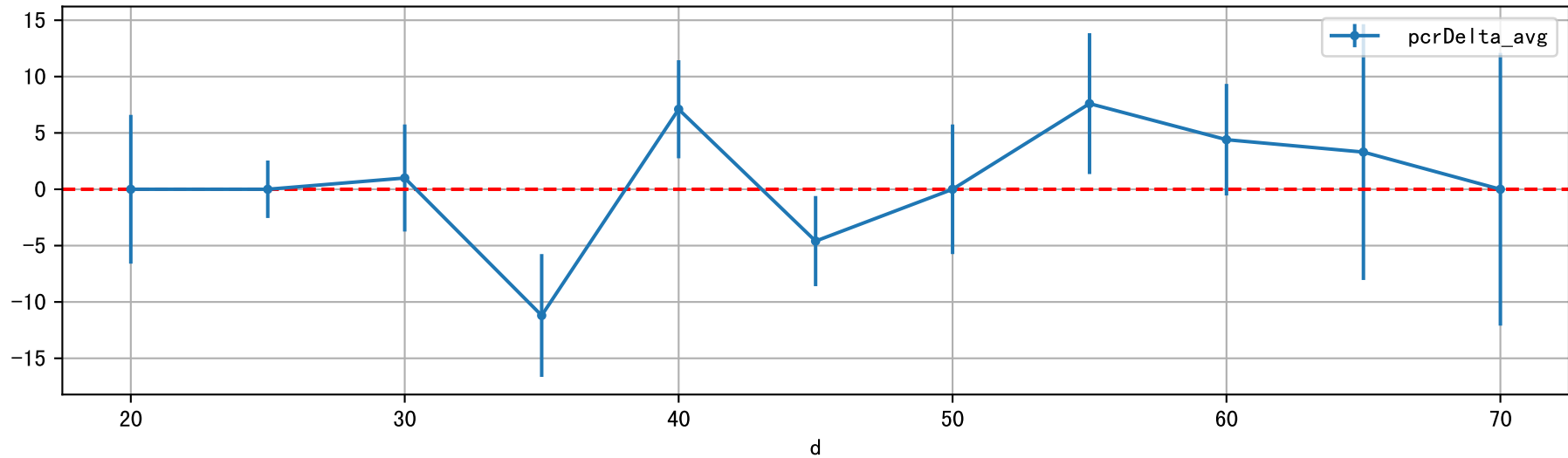
dStH: D\_5d\_StH



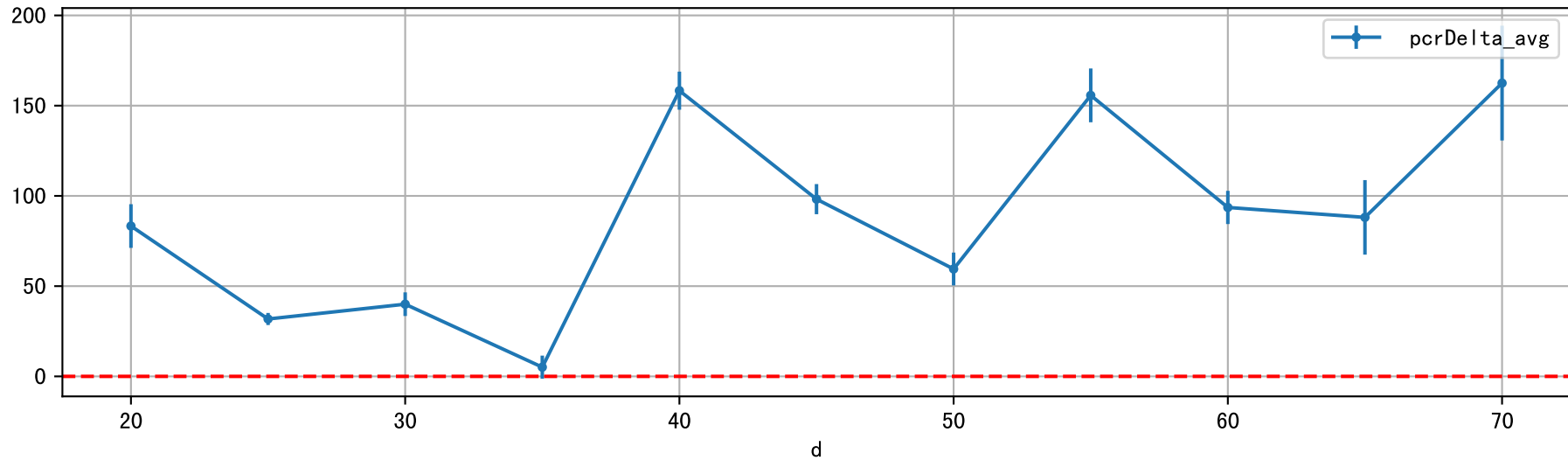
dStH: D\_15d\_StH



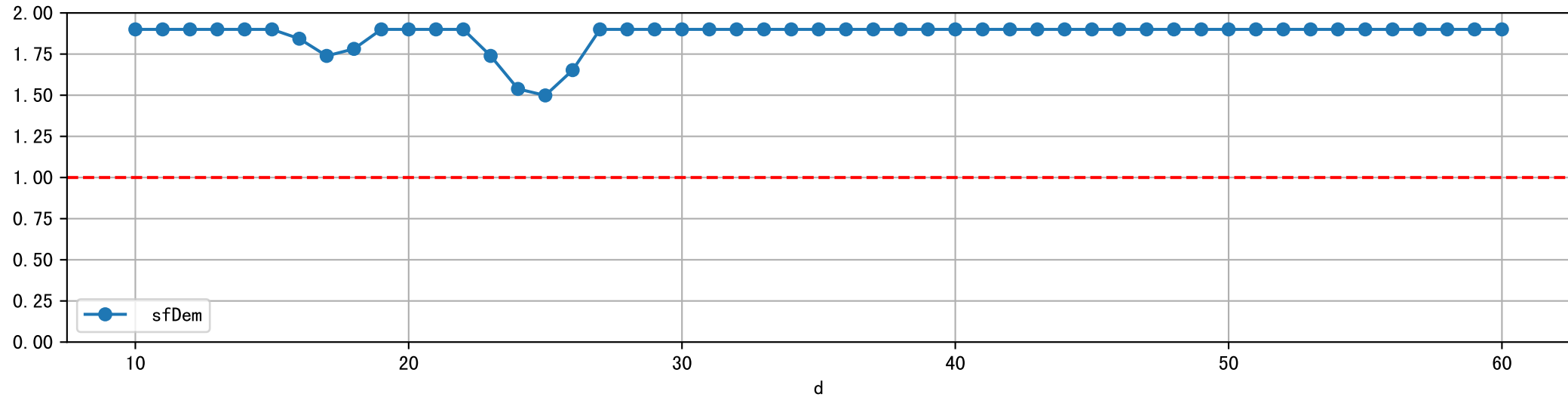
dStH: D\_Q50\_StH

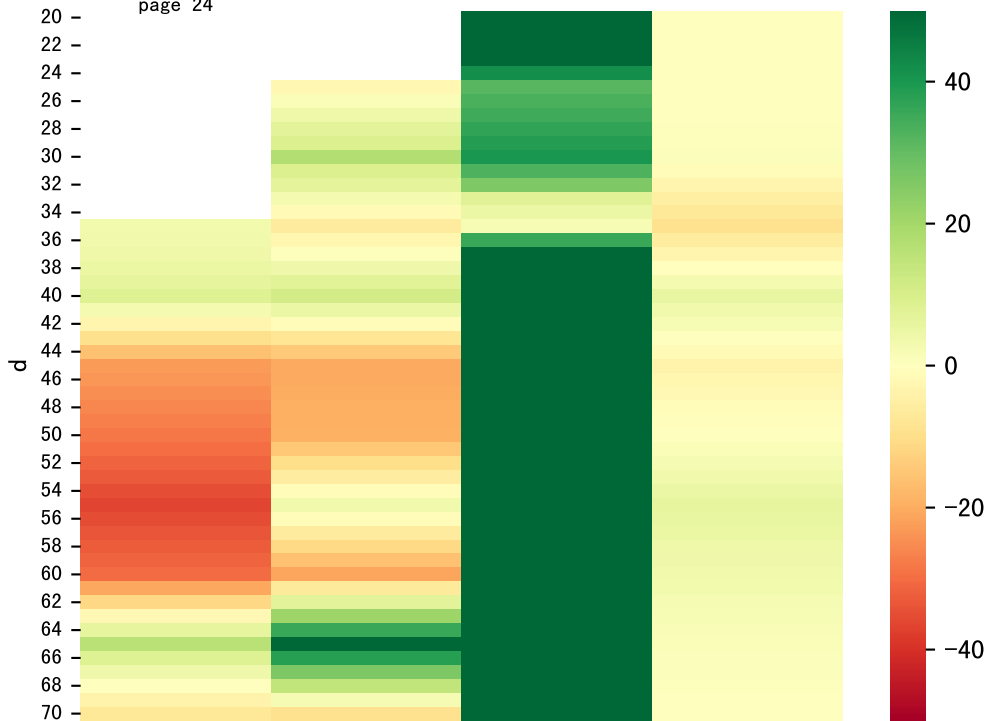


dStH: D\_Est\_StH

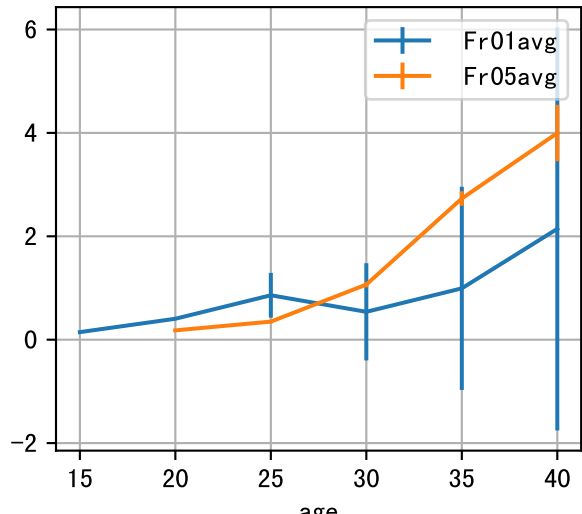
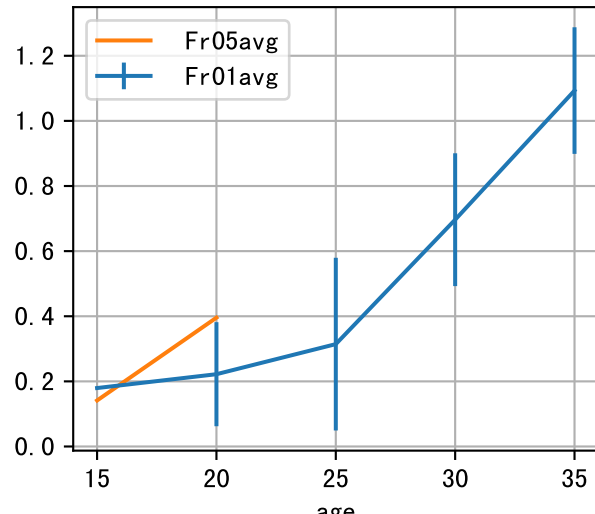


dStH: sfDem

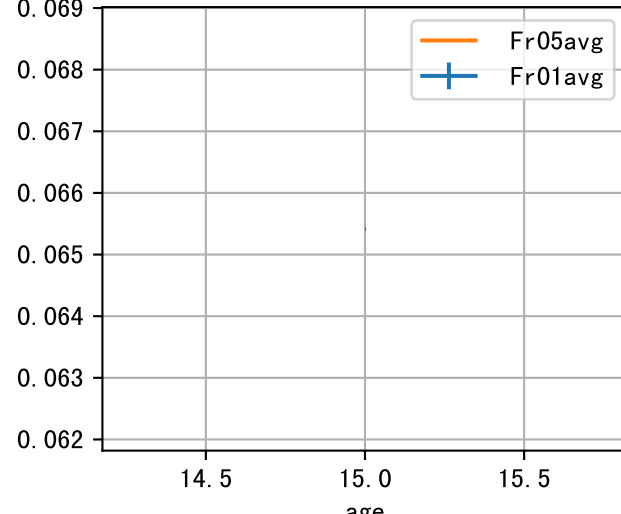




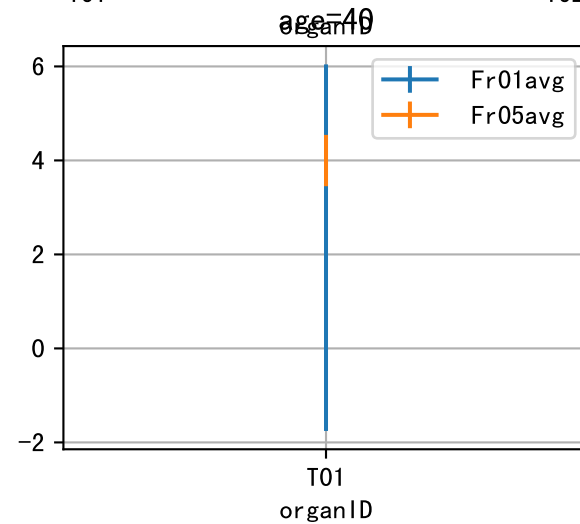
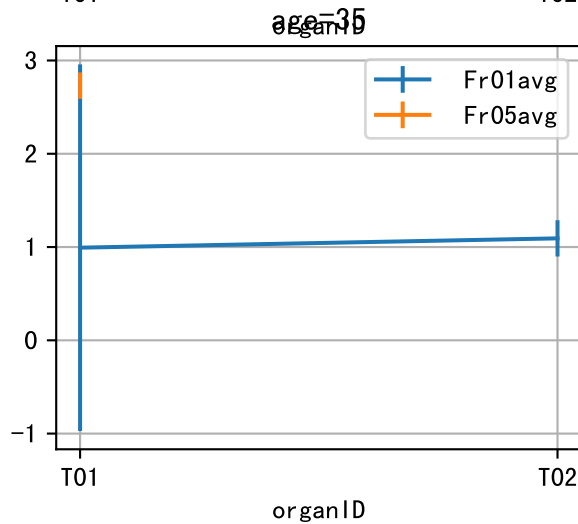
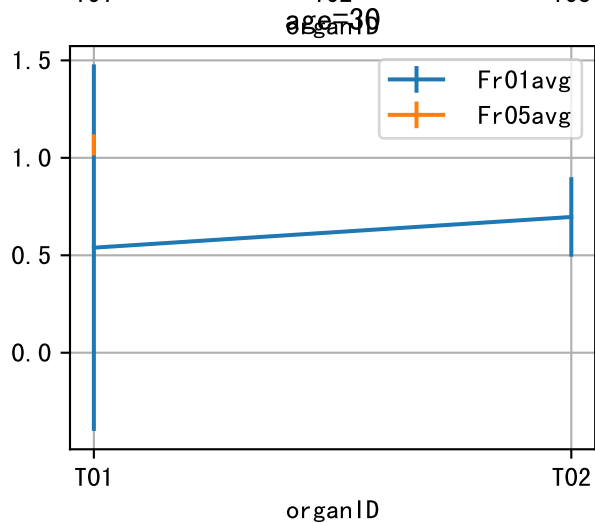
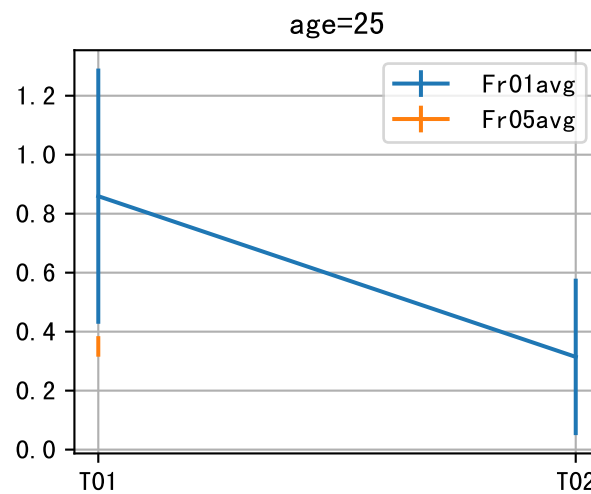
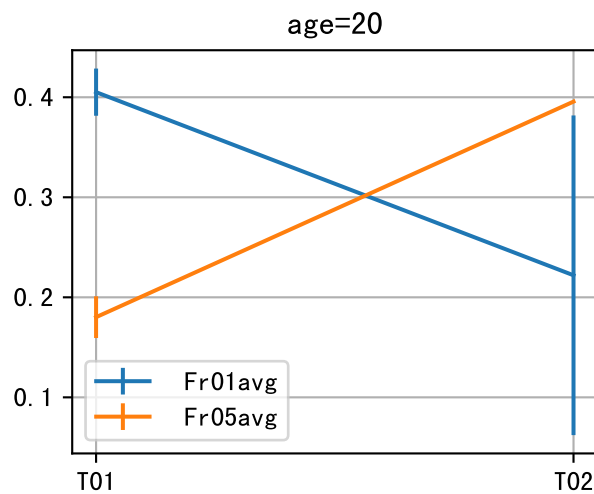
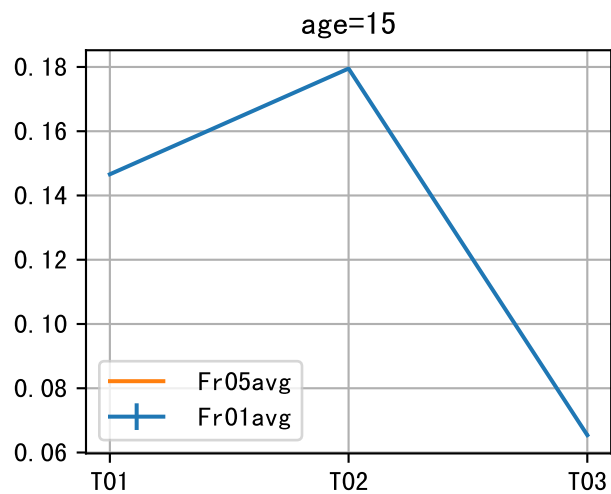
organID=T01

FrV: Fr01 vs Fr05 at each truss  
organID=T02

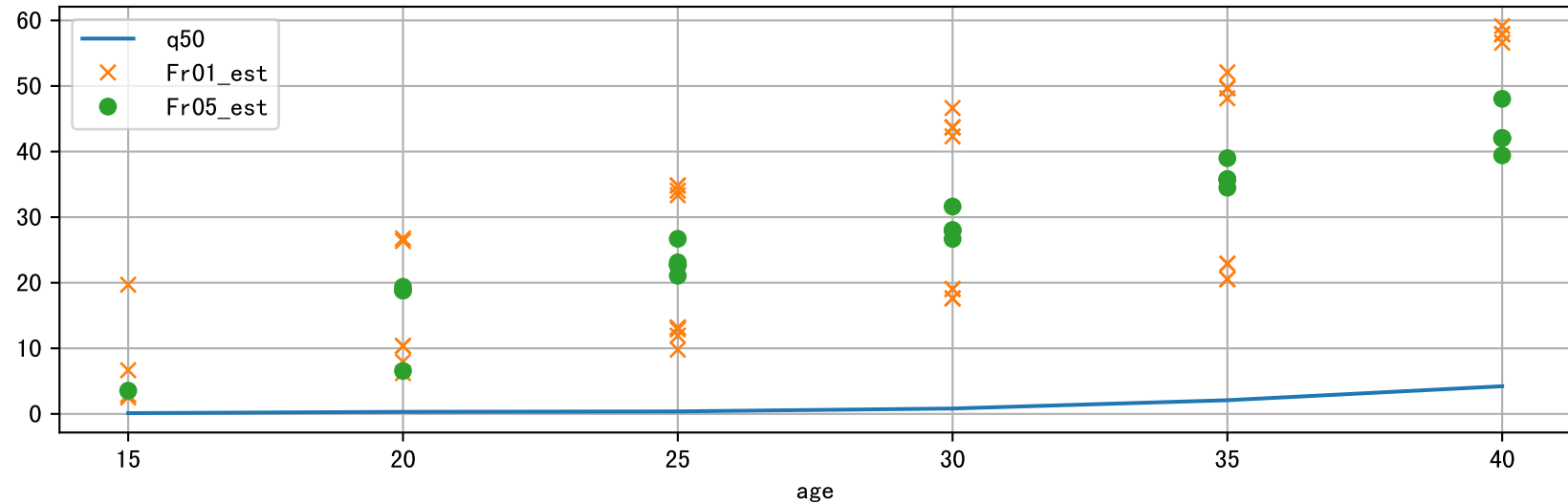
organID=T03



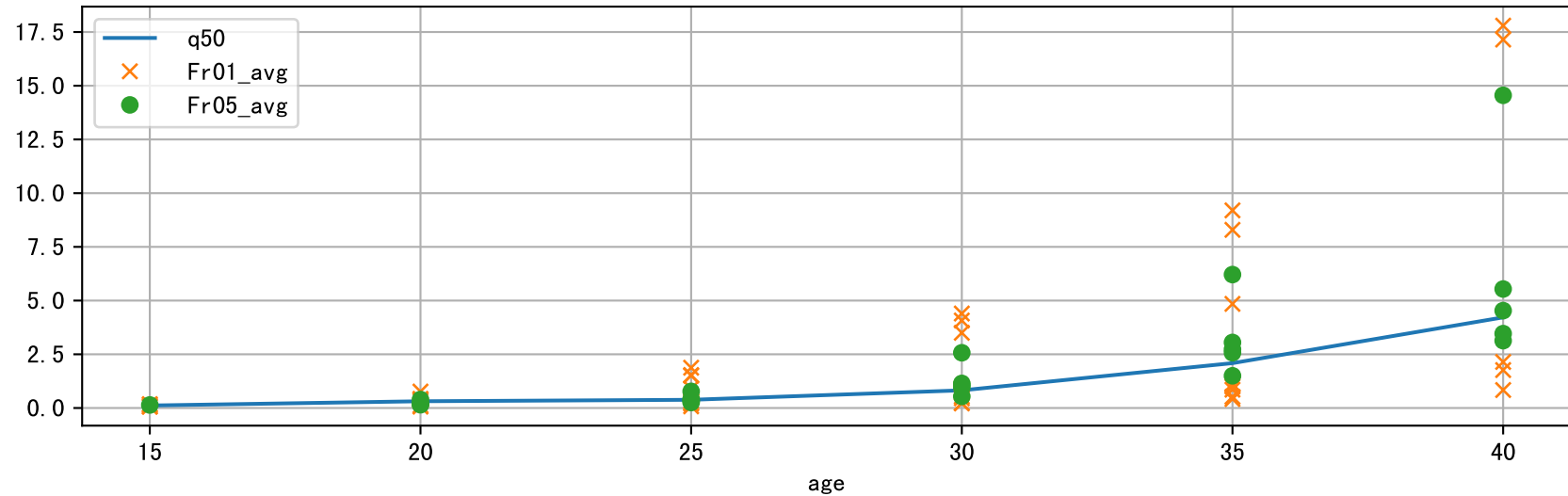
# FrV trend at each age



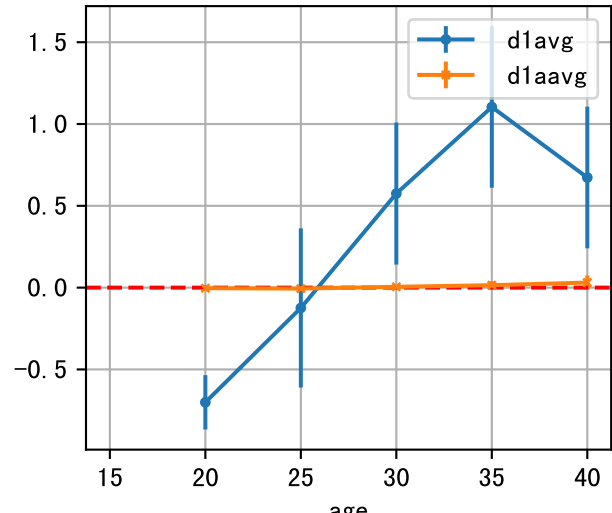
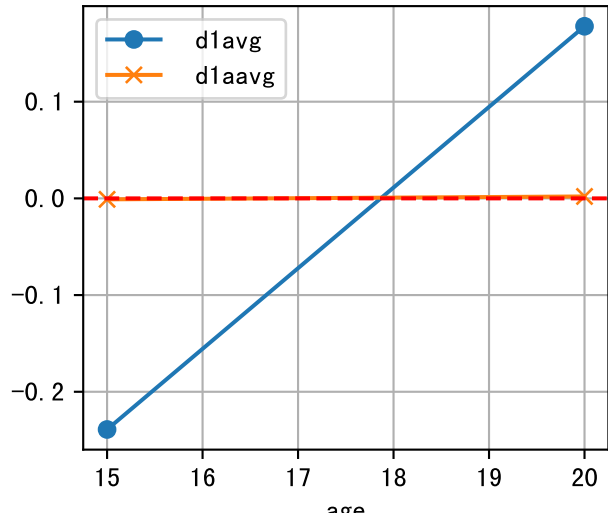
FrV: model Est vs obsFrV at Q90



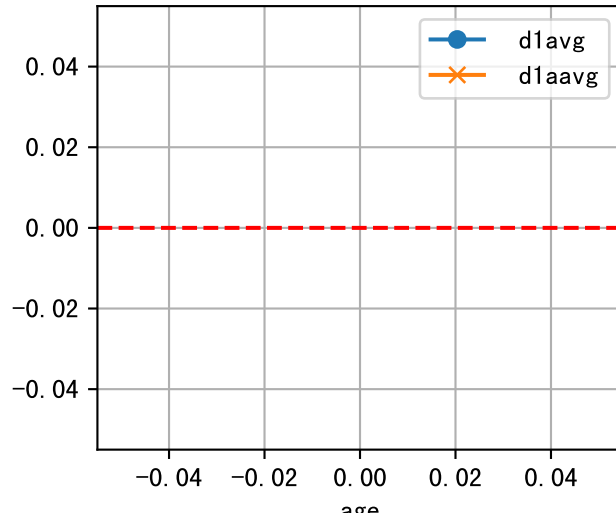
FrV: obsFrV vs obsFrV@Q90



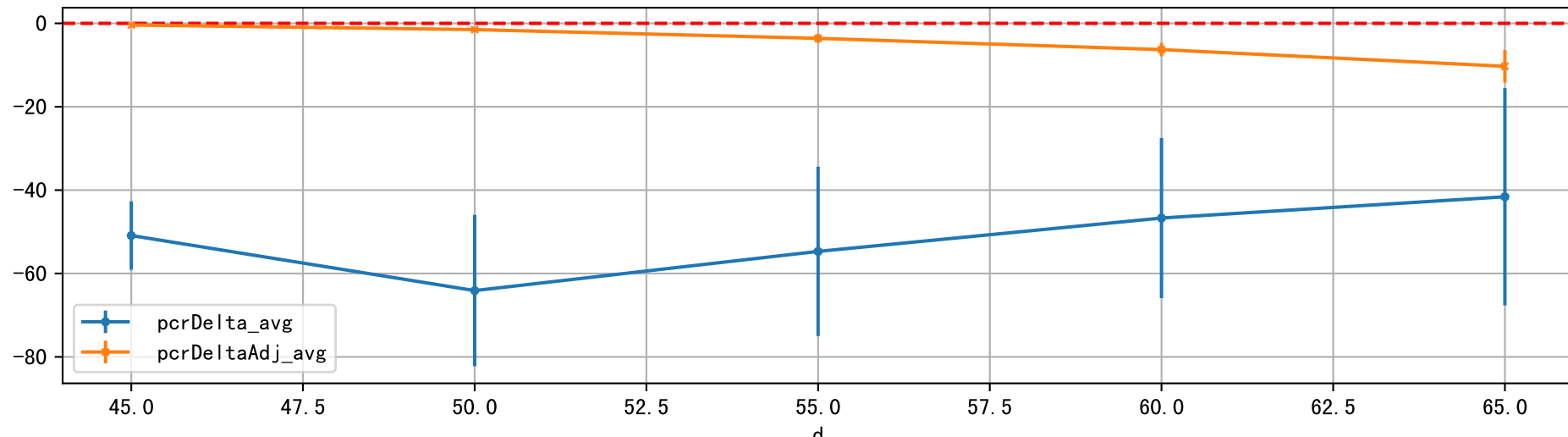
organID=1

FrV: D\_Fr1\_FrV  
organID=2

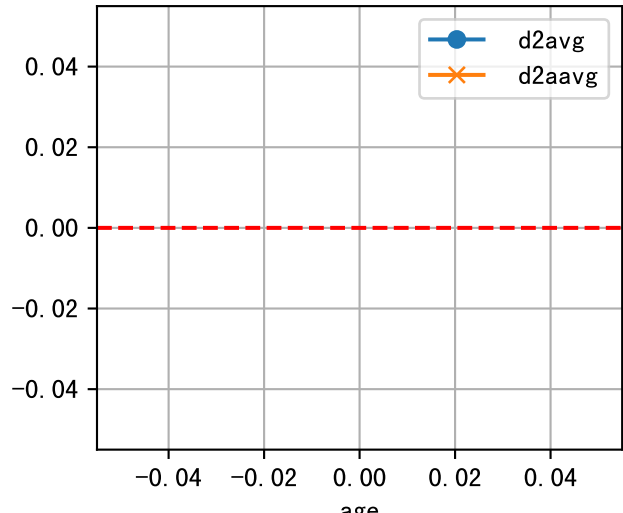
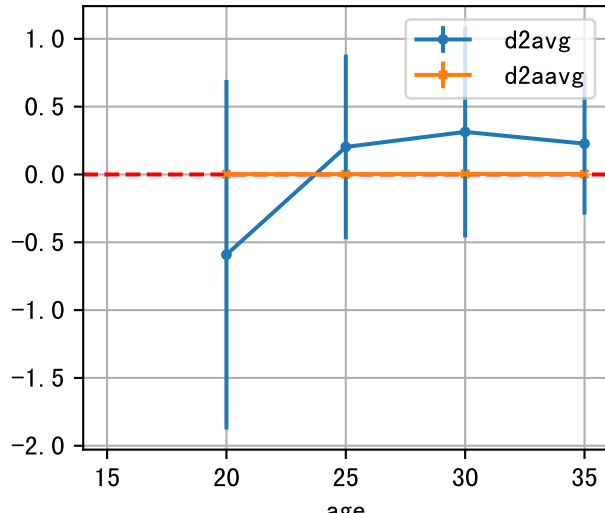
organID=3



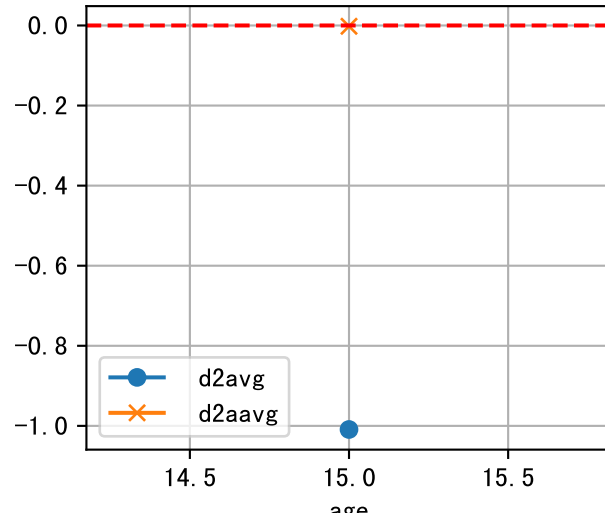
P10AE FrV: D\_Fr1\_FrV



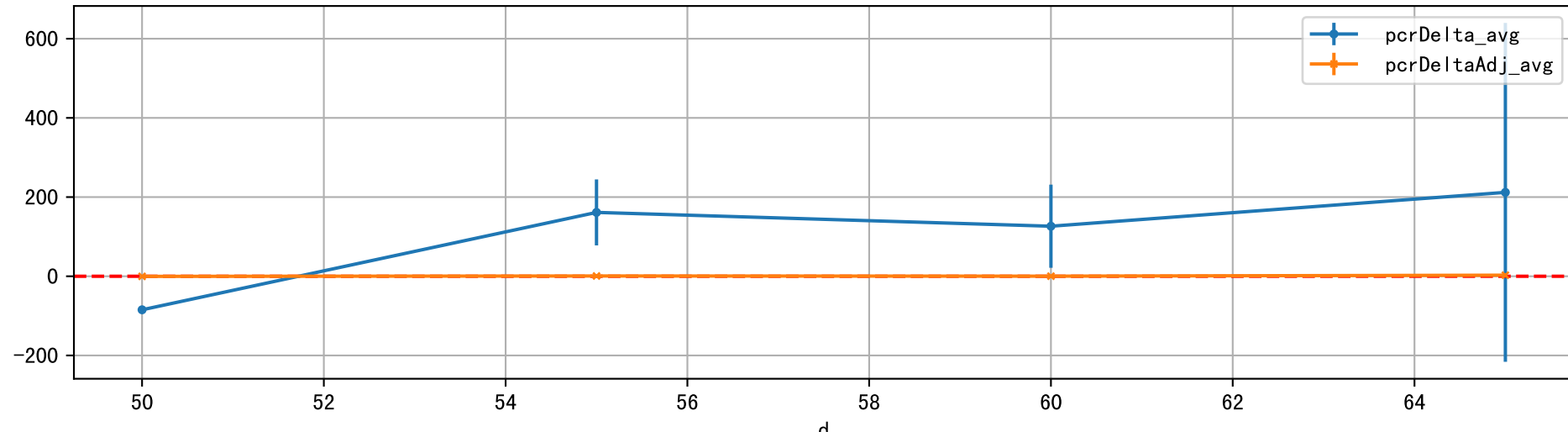
organID=1

FrV: D\_Ts\_FrV  
organID=2

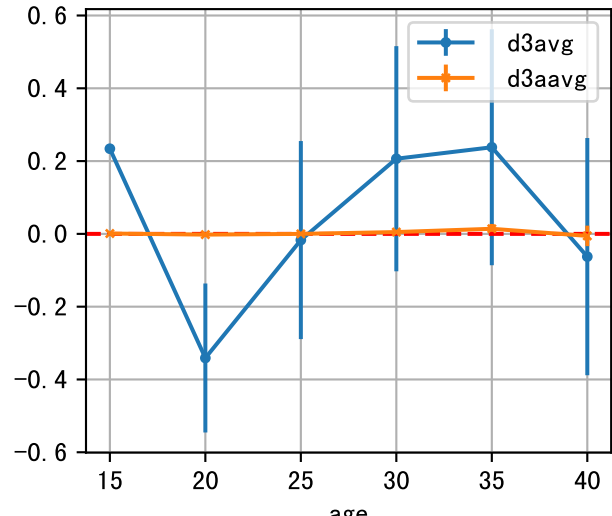
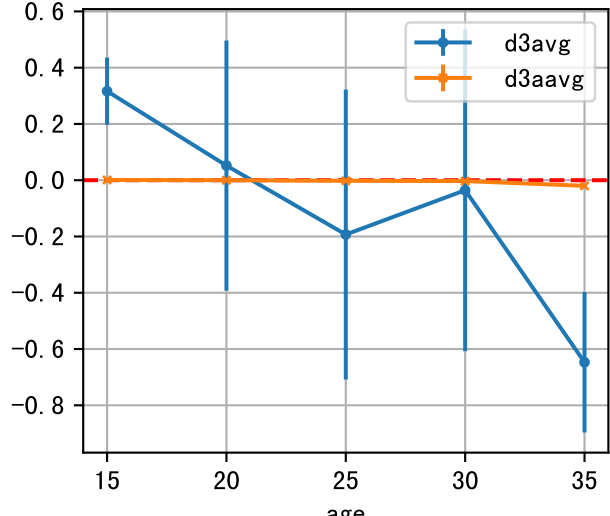
organID=3



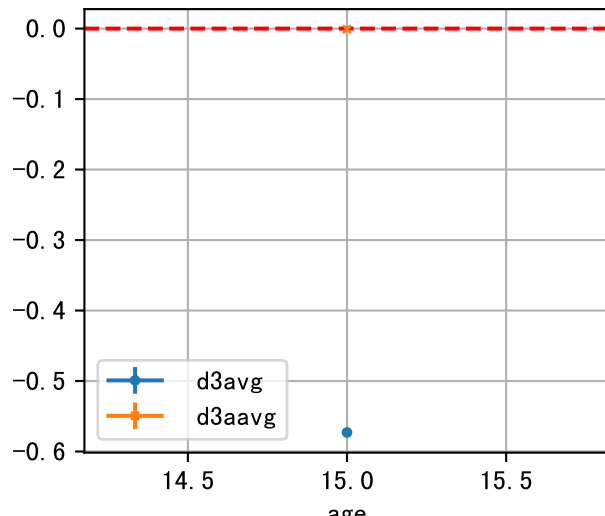
P10AE FrV: D\_Ts\_FrV



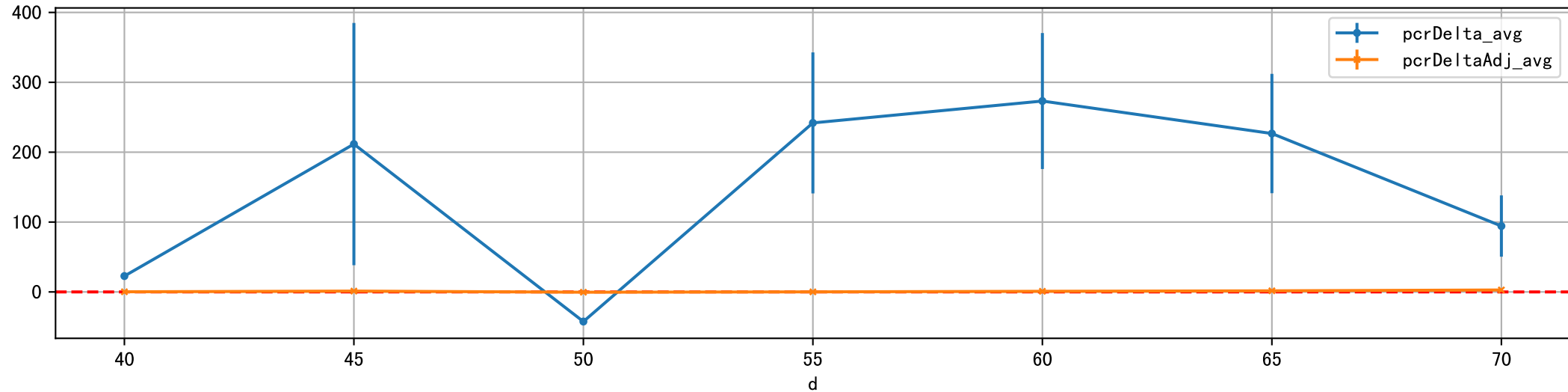
organID=1

FrV: D\_Q50\_FrV  
organID=2

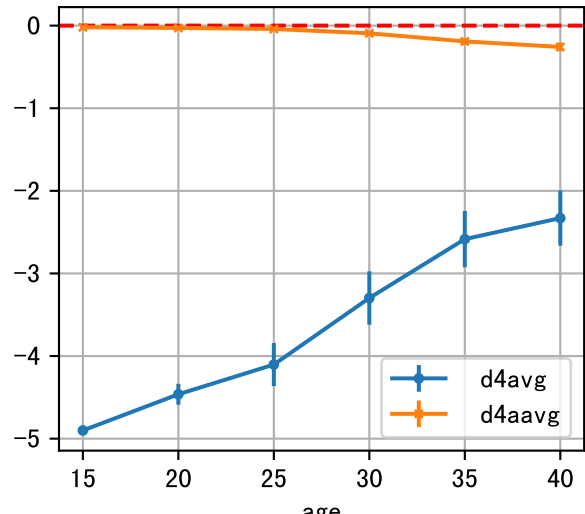
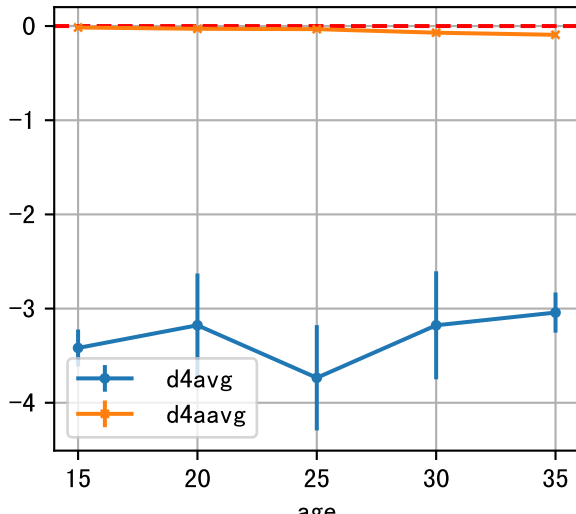
organID=3



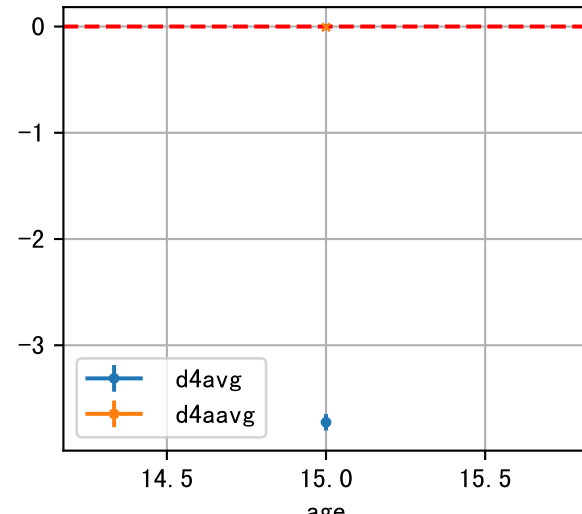
P10AE FrV: D\_Q50\_FrV



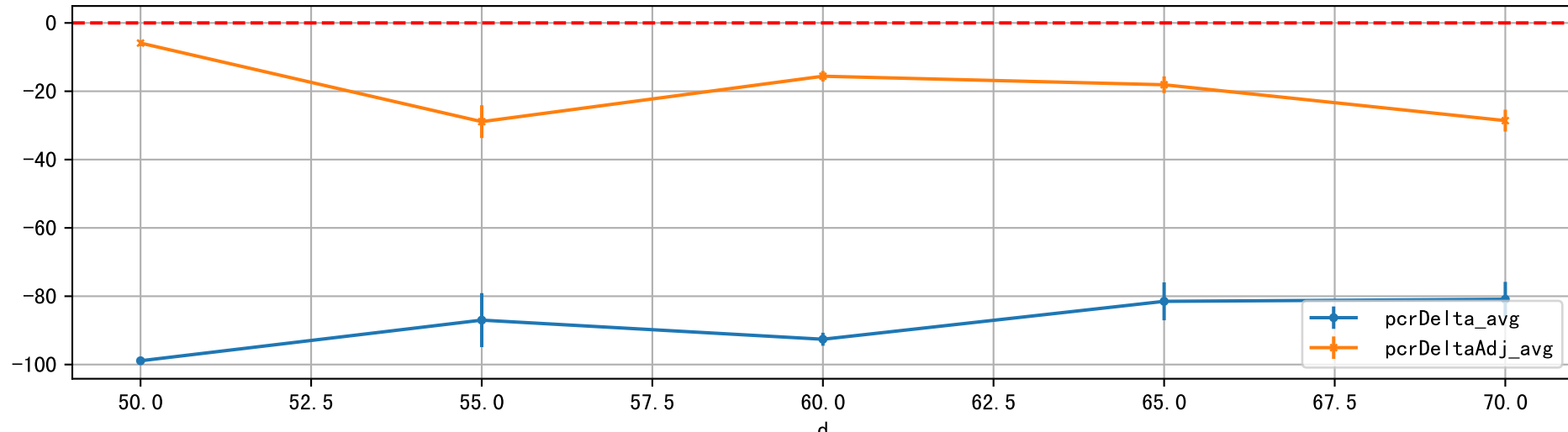
organID=1

FrV: D\_Est\_FrV  
organID=2

organID=3



P10AE FrV: D\_Est\_FrV



P10AE FrV: sfDem

