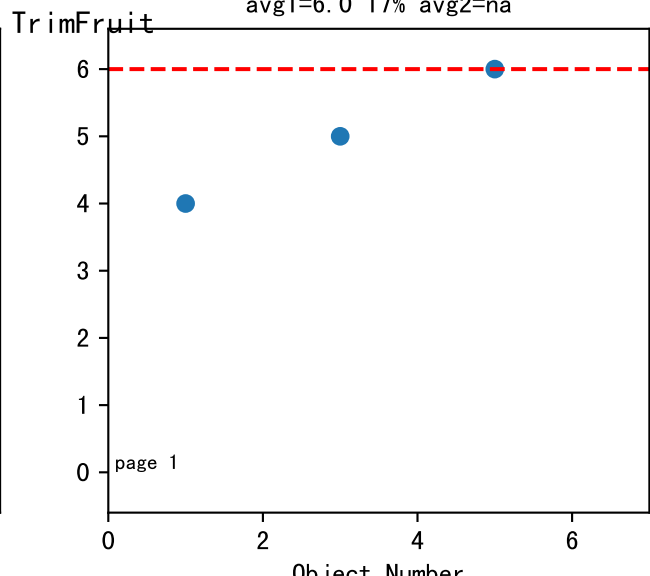
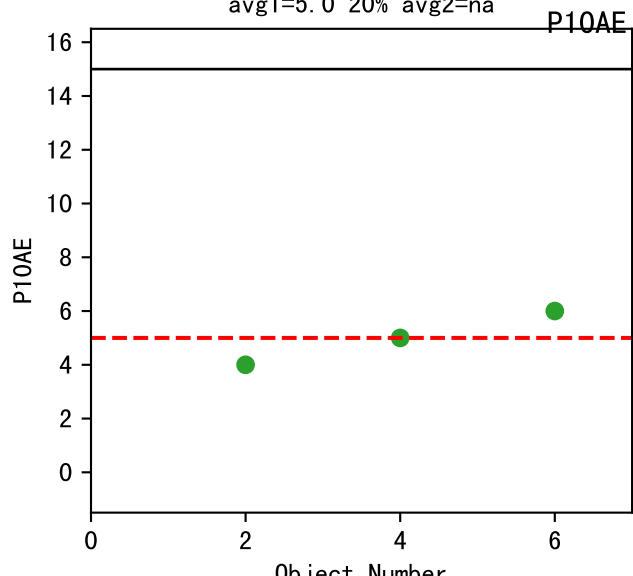


Phenotype Data Analysis Plots  
PhenoData day range = 18 - 62  
Analysis cutoff day = 62  
NC11 P10  
2025-12-20 (Day 63)

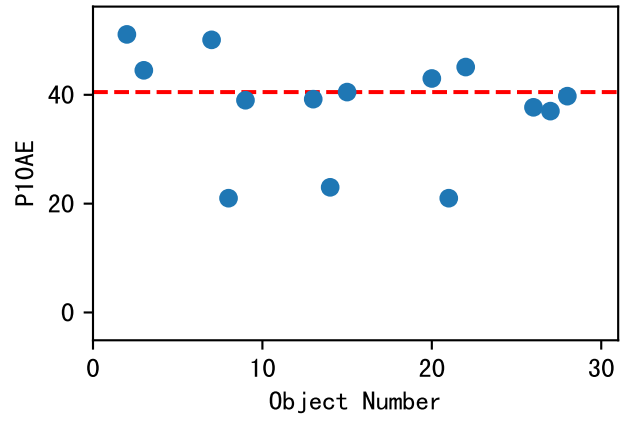
avg1=0.00% avg2=na  
P10AE Trimmuss



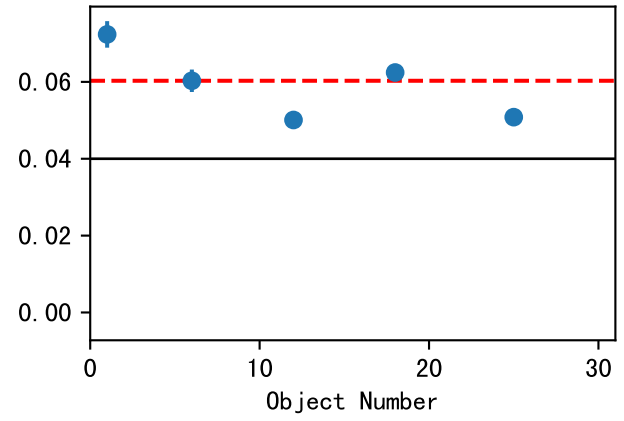
page 1



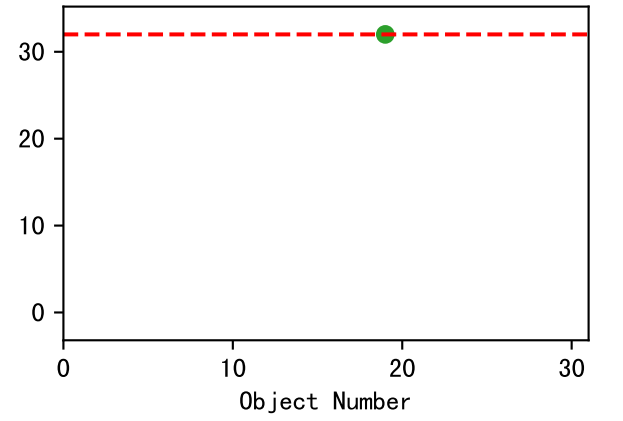
LTW\_avgAbsY (Def=na Set=40.5)  
avg1=40.5~12% avg2=na



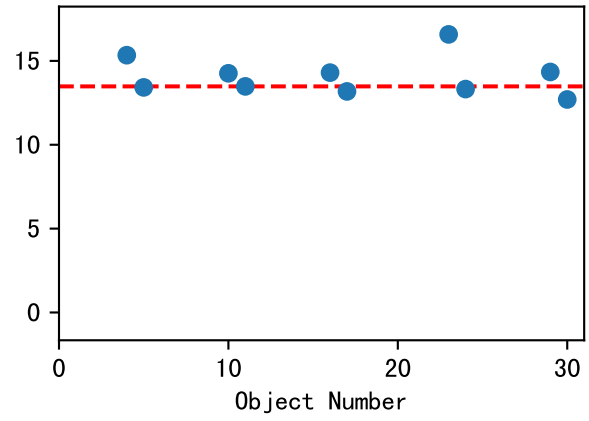
LTA\_Q90AbsY (Def=0.04 Set=0.06)  
avg1=0.06~15% avg2=na



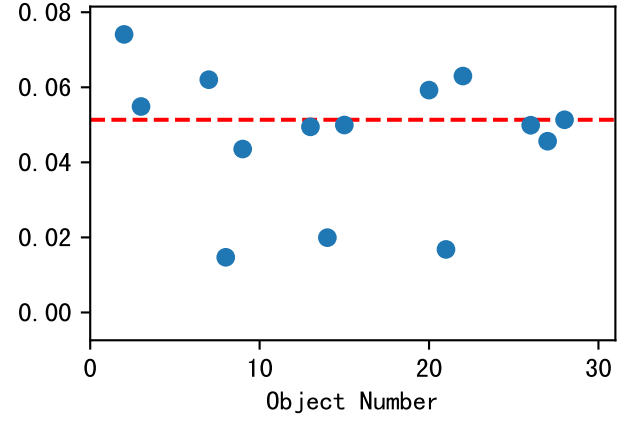
FrD\_avgAbsY (Def=na Set=na)  
avg1=32.0 avg2=na



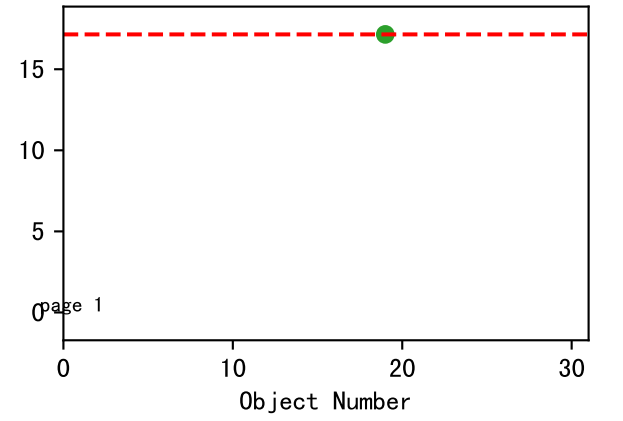
NdD\_avgAbsY (Def=na Set=13.48)  
avg1=13.48~6% avg2=na



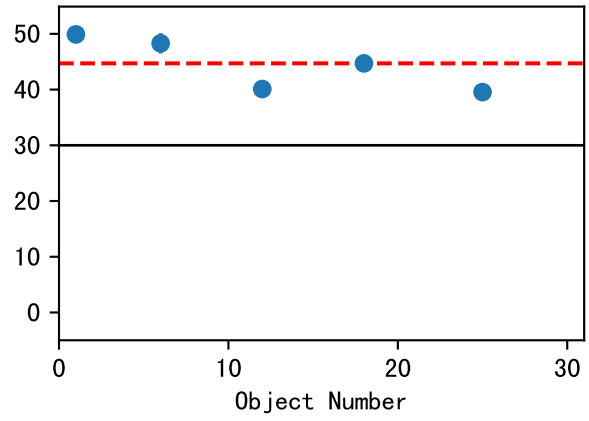
LfA\_avgAbsY (Def=na Set=0.05)  
avg1=0.05~18% avg2=na



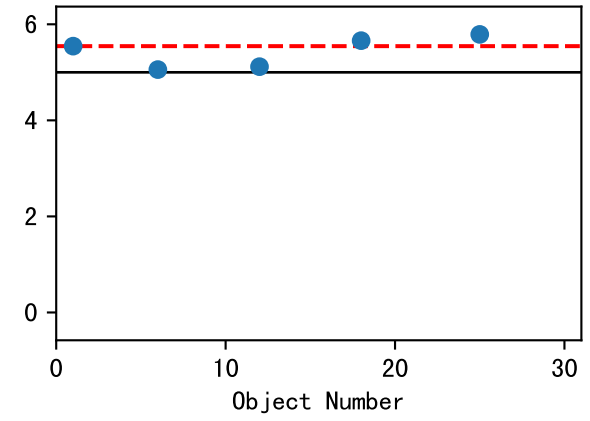
FrV\_avgAbsY (Def=na Set=na)  
avg1=17.15 avg2=na



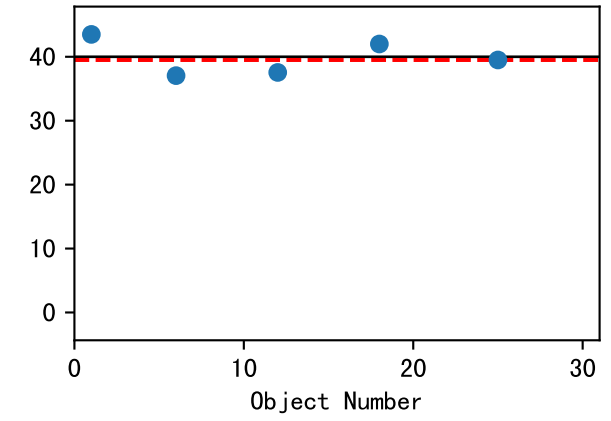
LTW\_Q90AbsY (Def=30 Set=44.7)  
avg1=44.7~10% avg2=na



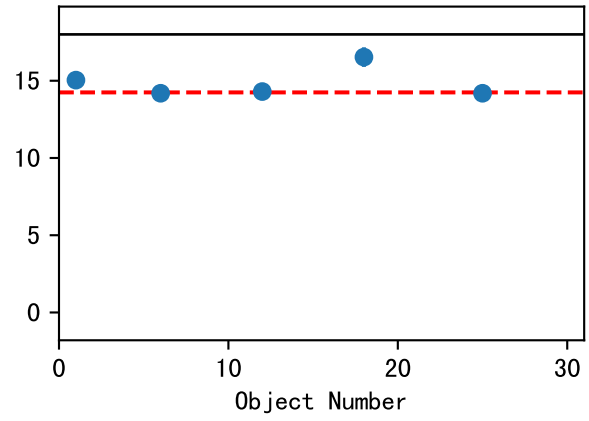
NdL\_Q90AbsY (Def=5 Set=5.54)  
avg1=5.54~6% avg2=na



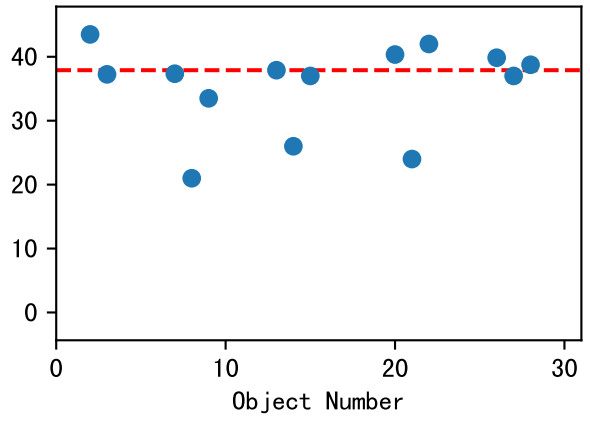
LTL\_Q90AbsY (Def=40 Set=39.5)  
avg1=39.5~7% avg2=na



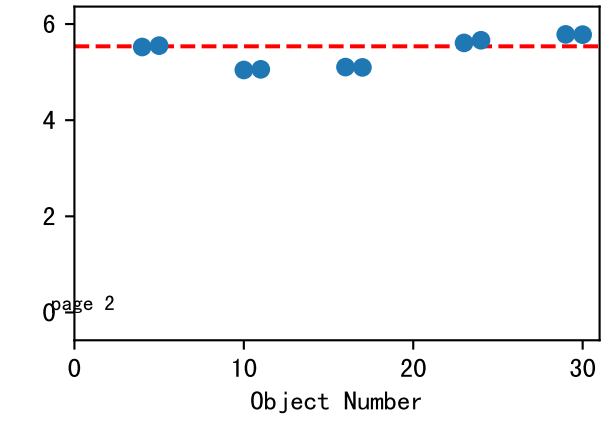
NdD\_Q90AbsY (Def=18 Set=14.25)  
avg1=14.25~3% avg2=na



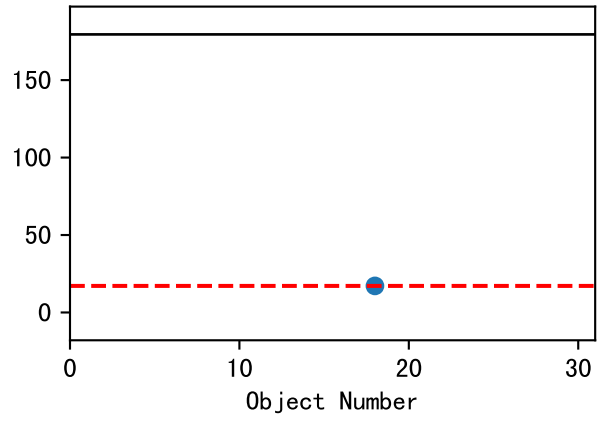
LfL\_avgAbsY (Def=na Set=37.9)  
avg1=37.9~7% avg2=na



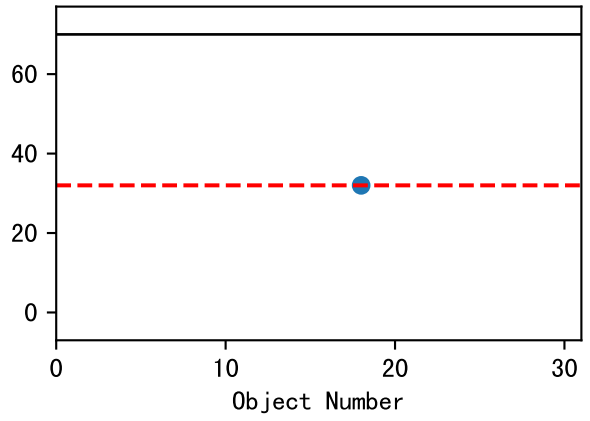
NdL\_avgAbsY (Def=na Set=5.54)  
avg1=5.54~6% avg2=na



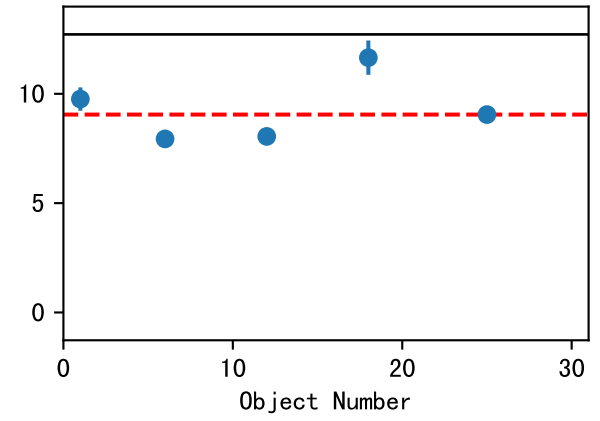
FrV\_Q90AbsY (Def=1/9.5 Set=1/9.5)  
avg1=17.15 avg2=na



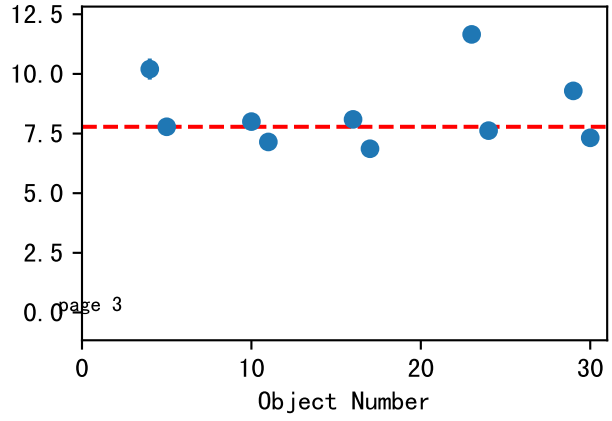
FrD\_Q90AbsY (Def=7/0 Set=7/0)  
PIAE=22.0 Set=na



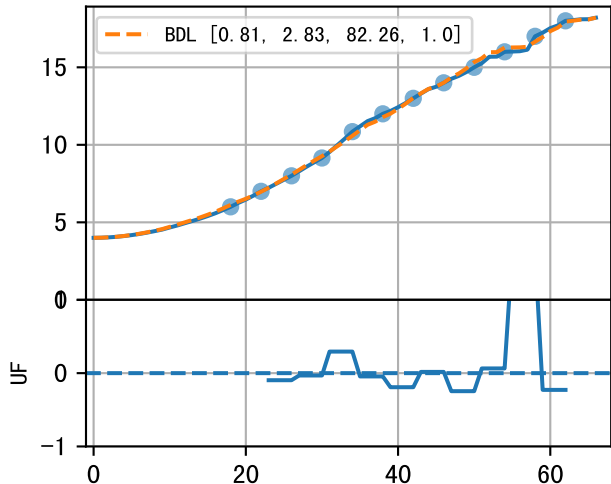
NdV\_Q90AbsY (Def=12.72 Set=9.05)  
avg1=9.05~17% avg2=na



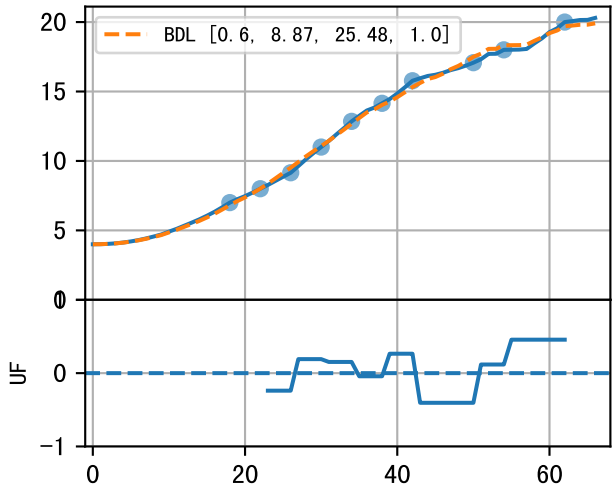
NdV\_avgAbsY (Def=na Set=7.78)  
avg1=7.78~14% avg2=na



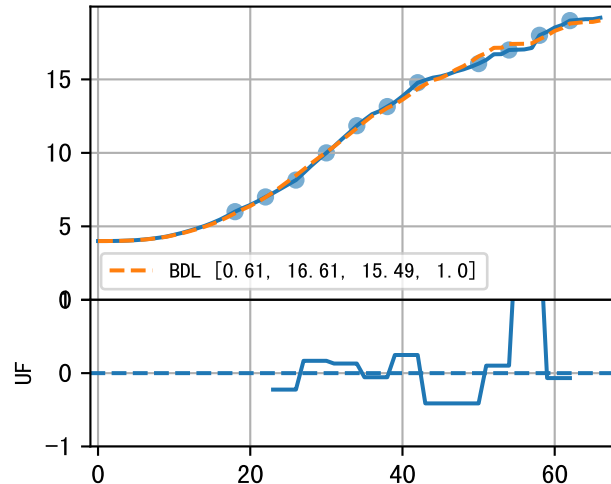
P10AE-081-12 (fit failed)



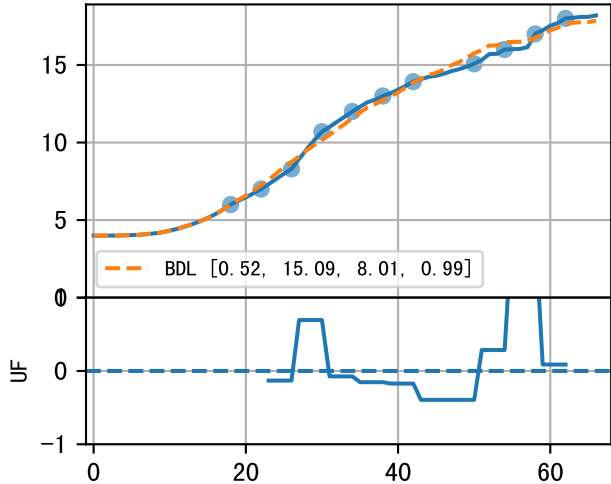
P10AE-087-27 (fit failed)



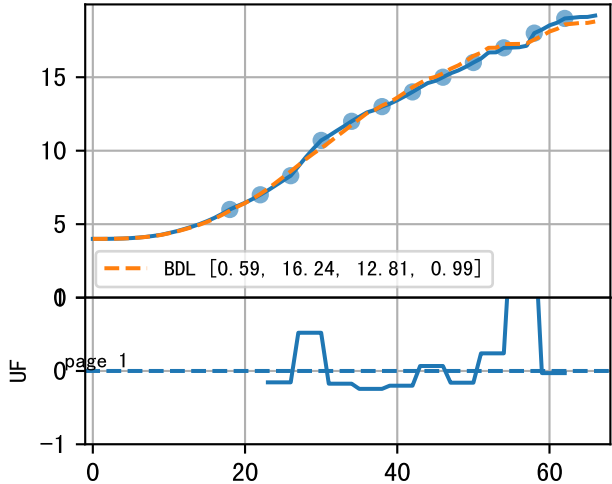
P10AE-095-20 (fit failed)



P10AE-103-32 (fit failed)

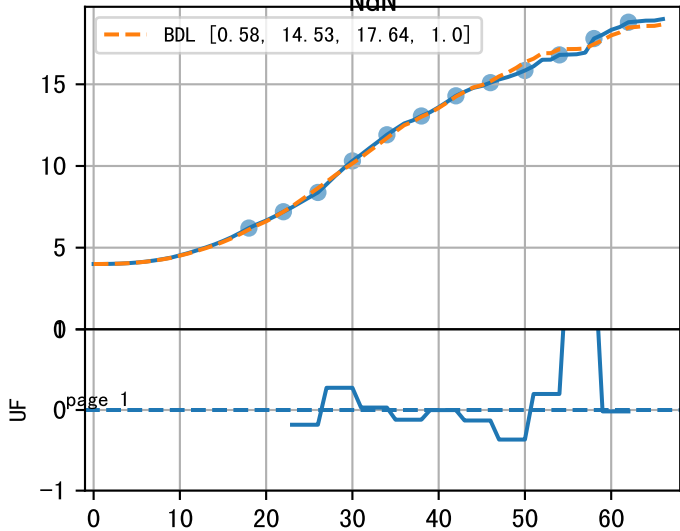


P10AE-114-7 (fit failed)



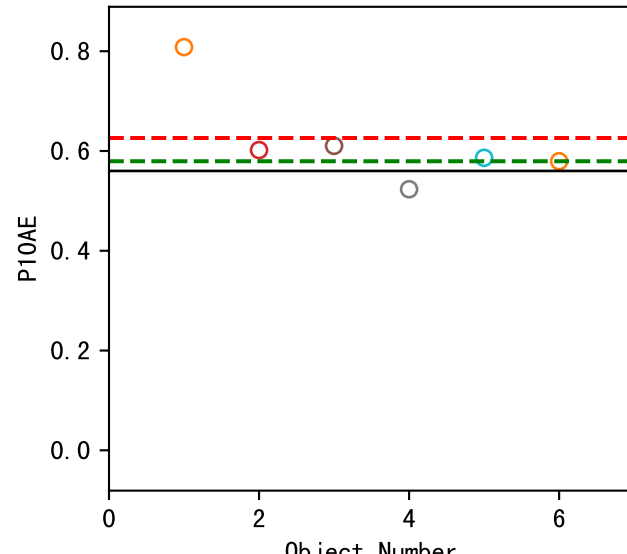
PIOEavg (not failed)  
NdN

BDL [0.58, 14.53, 17.64, 1.0]

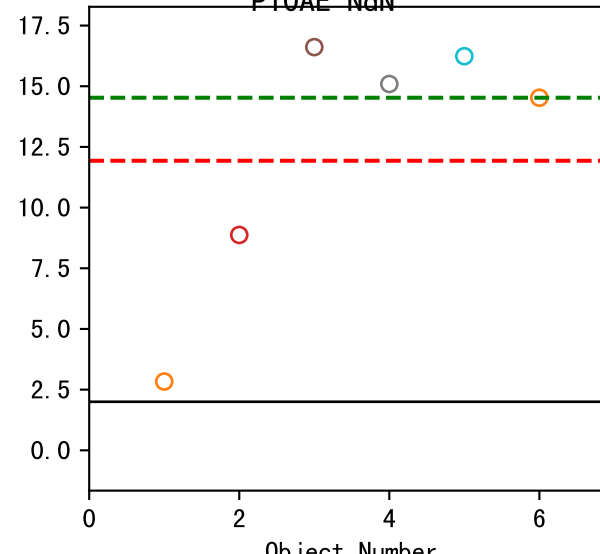


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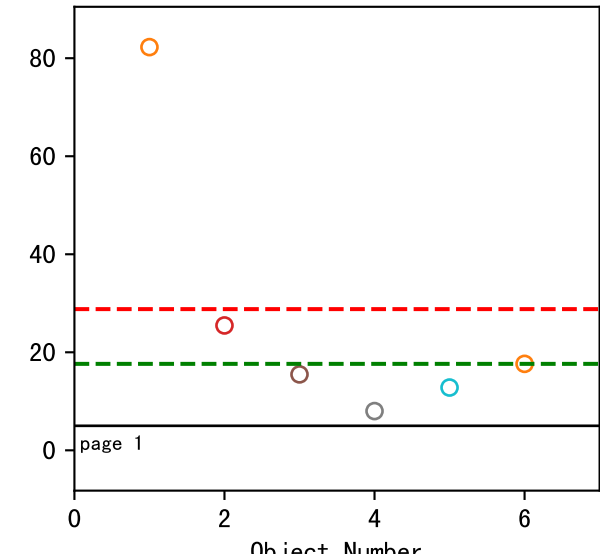
avg1=0.63 (fail) avg2=0.58

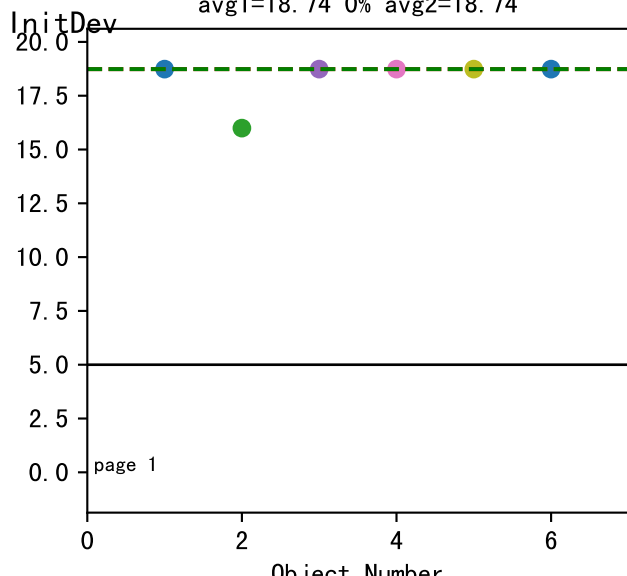
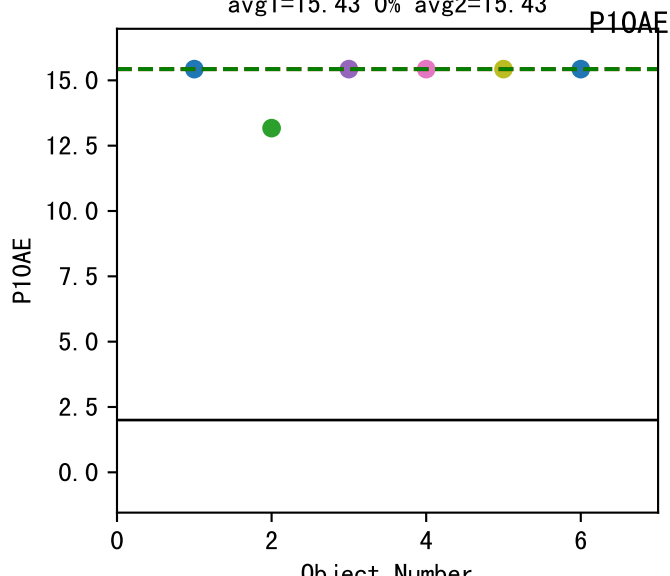


avg1=11.93 (fail) avg2=14.53

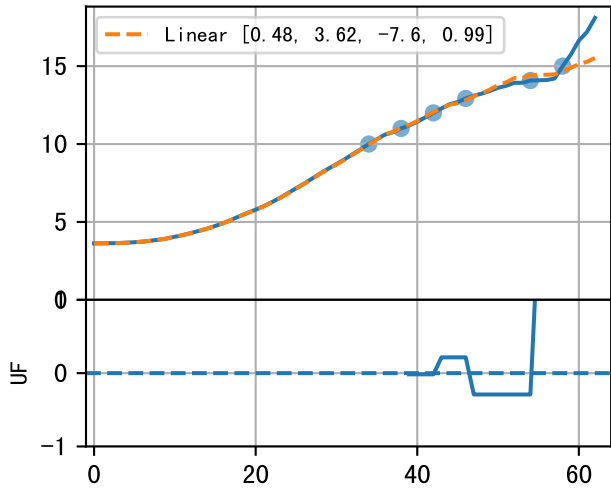


avg1=28.81 (fail) avg2=17.64

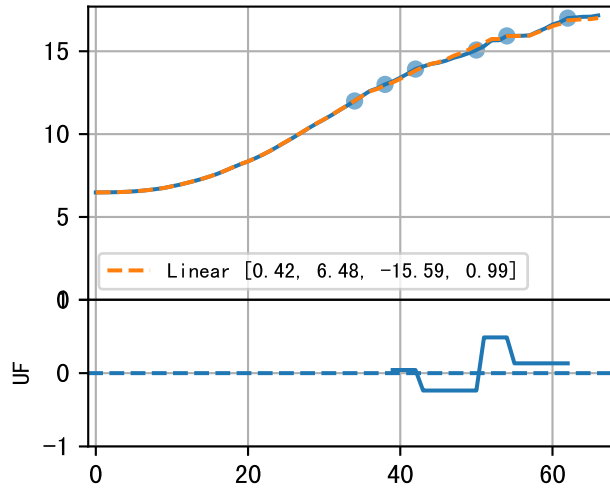




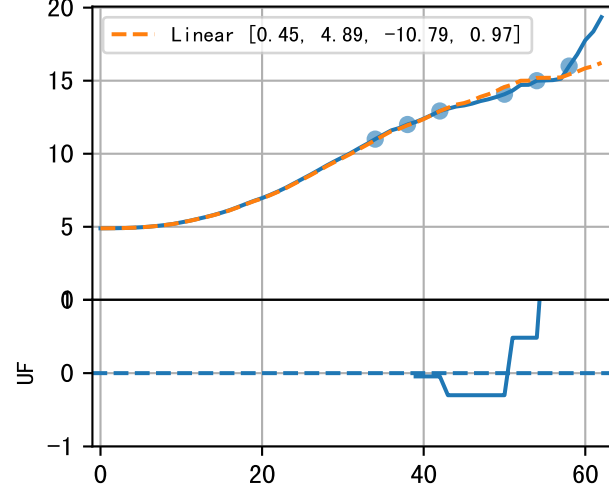
P10AE-081-12



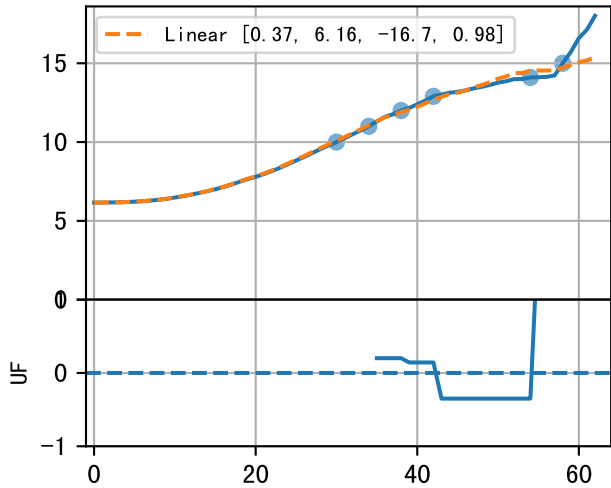
P10AE-087-27



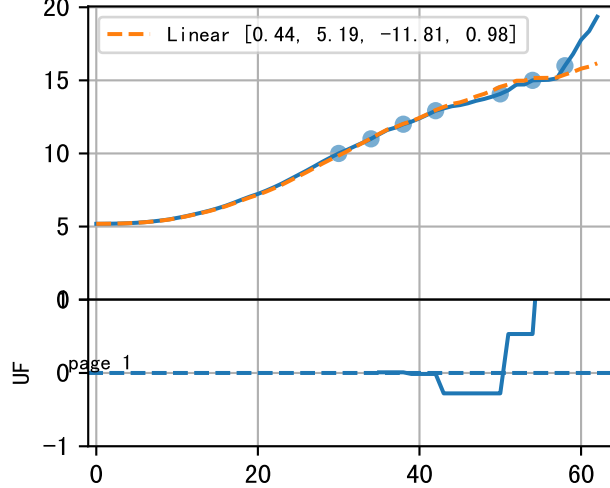
P10AE-095-20



P10AE-103-32

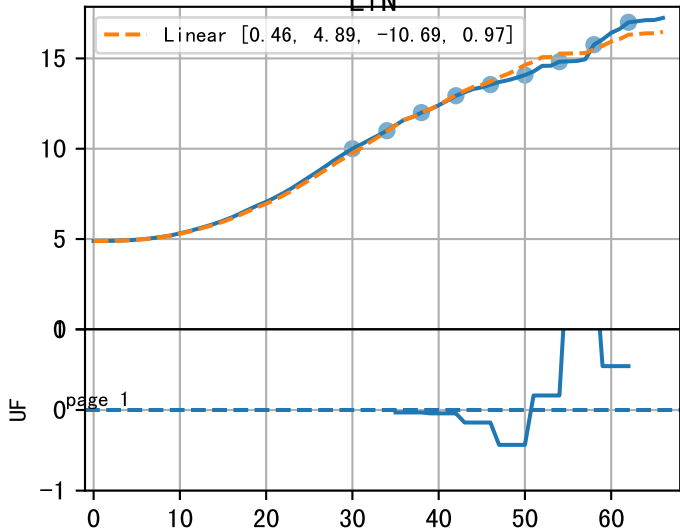


P10AE-114-7

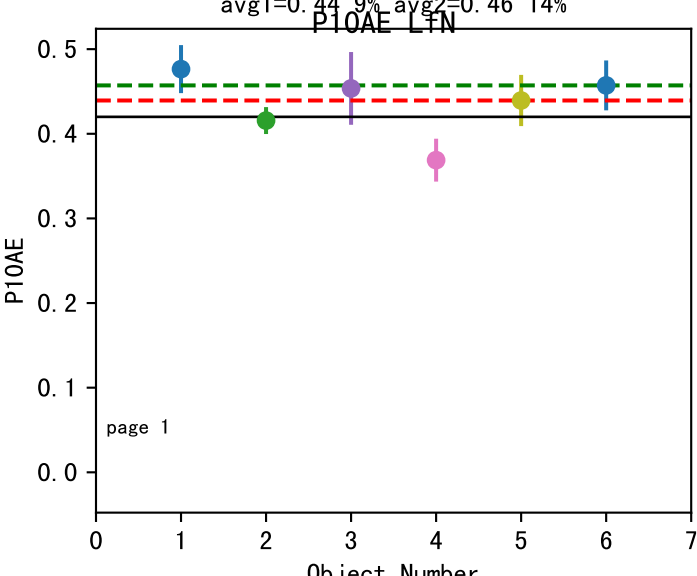


PTUARavg  
Lfn

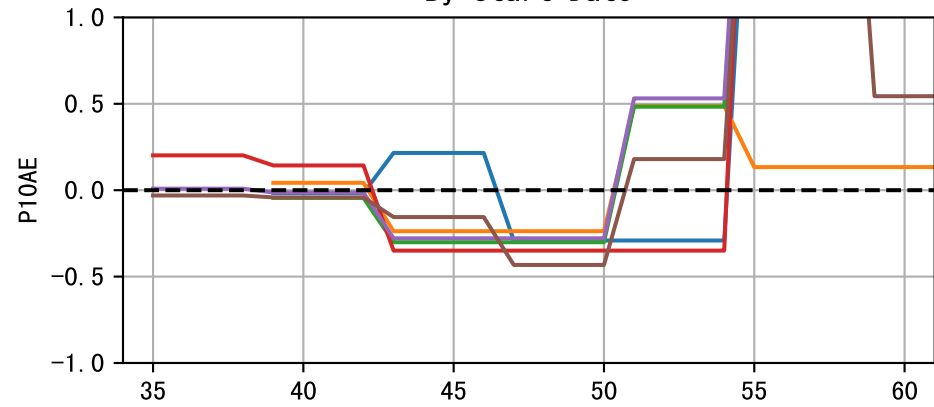
Linear [0.46, 4.89, -10.69, 0.97]



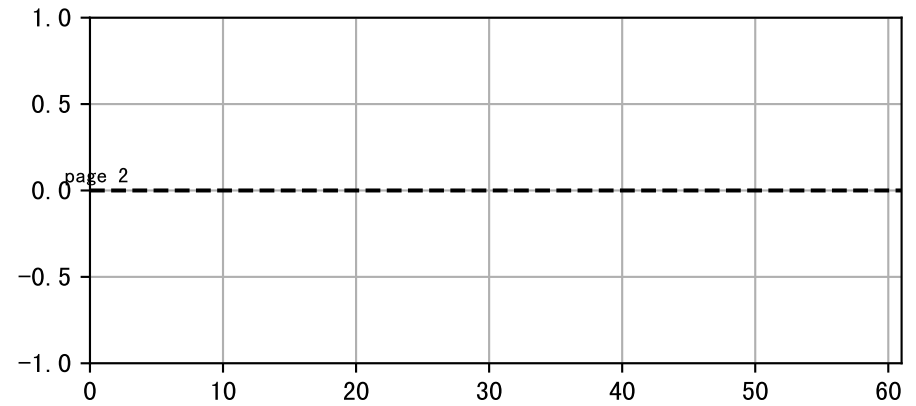
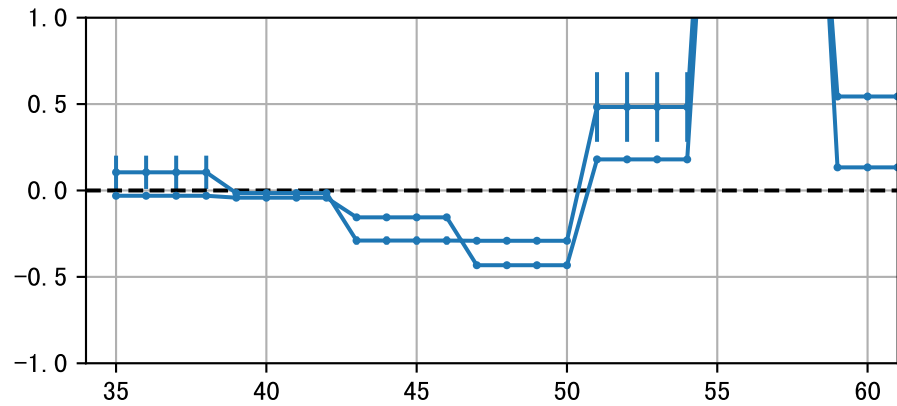
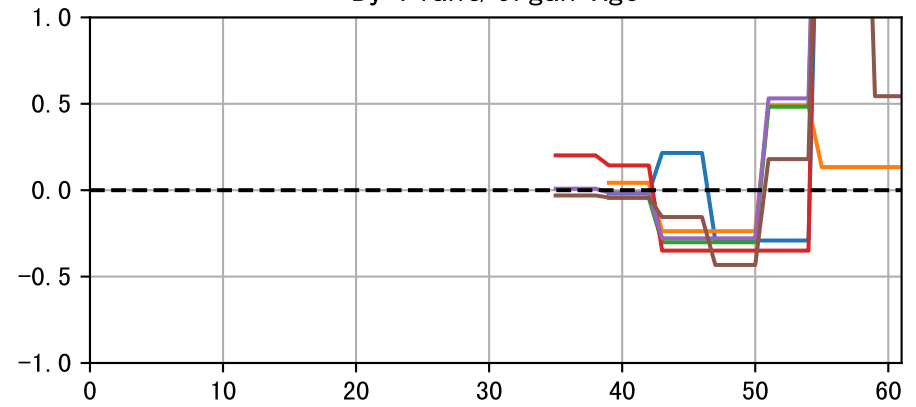
page 1



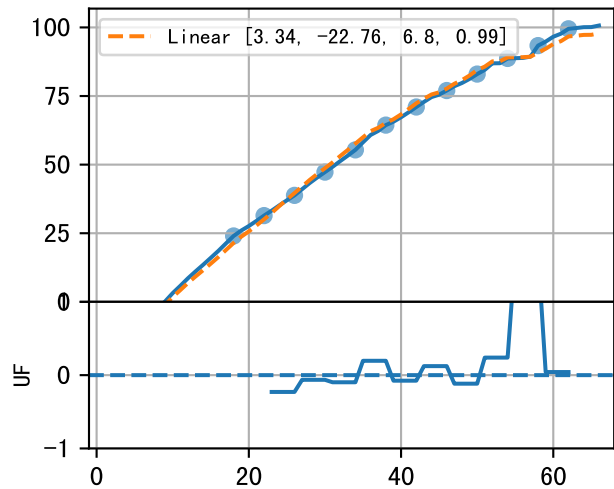
By Start Date



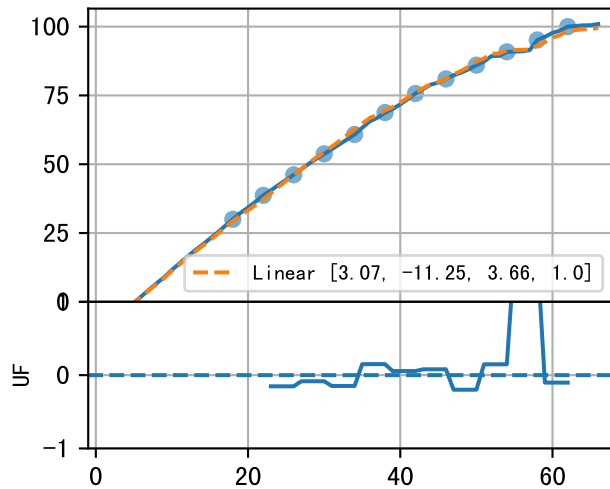
By Plant/Organ Age



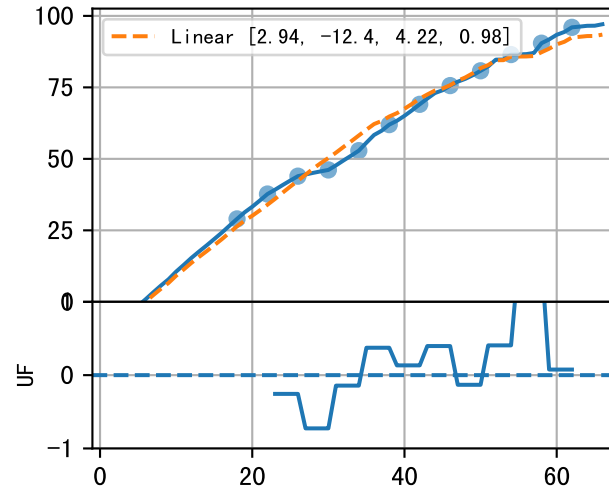
P10AE-081-12



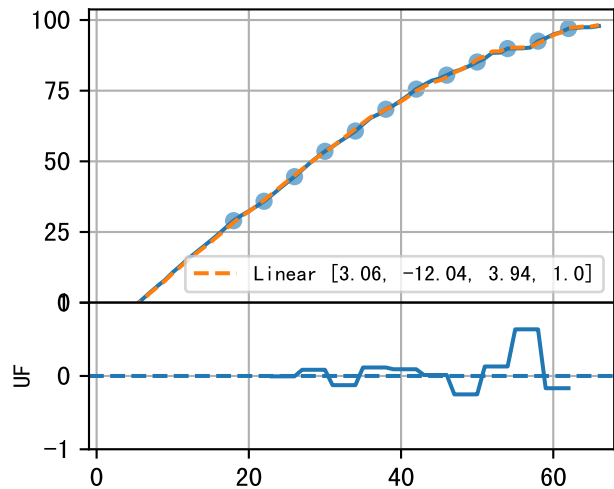
P10AE-087-27



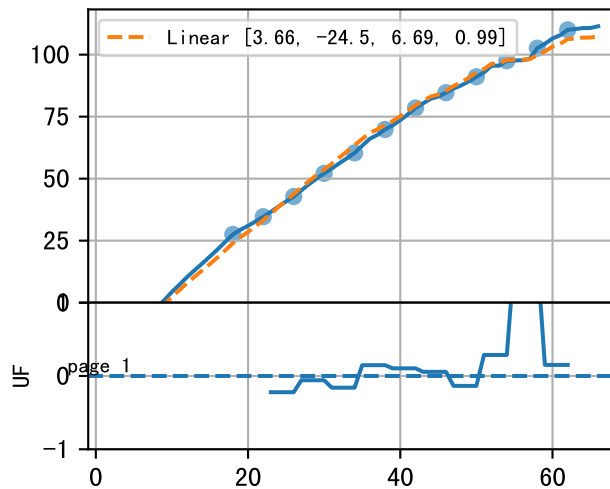
P10AE-095-20

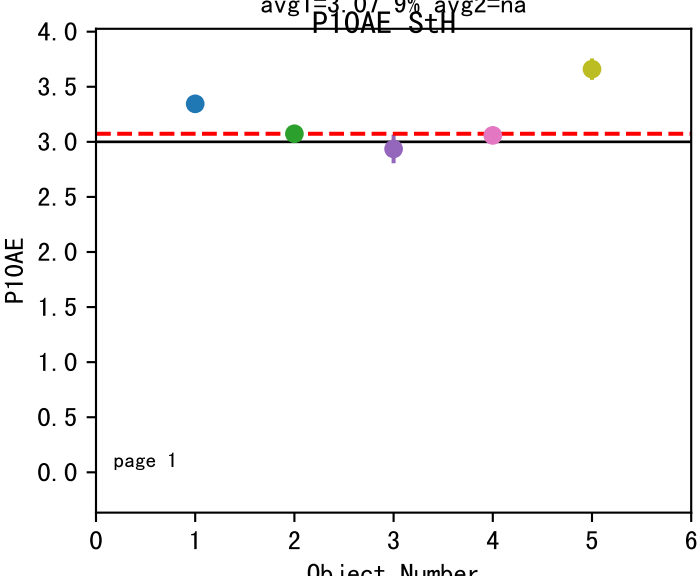


P10AE-103-32

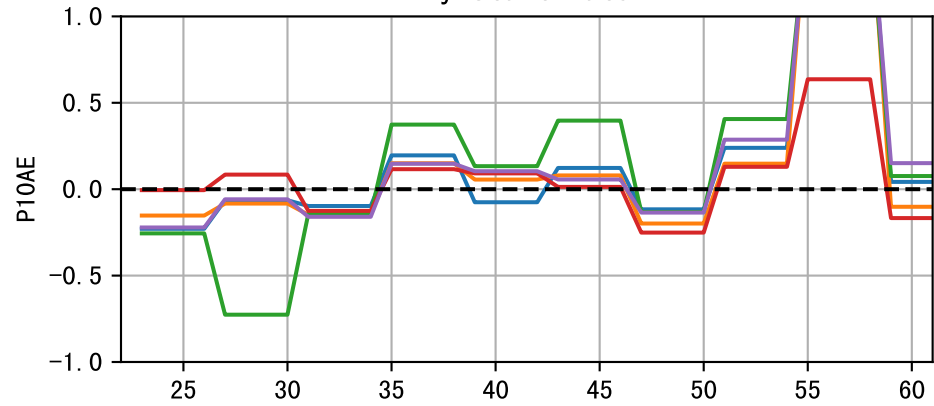


P10AE-114-7

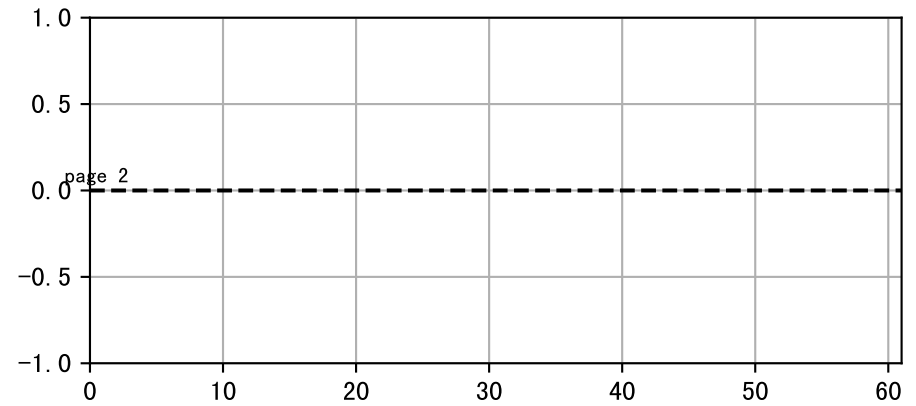
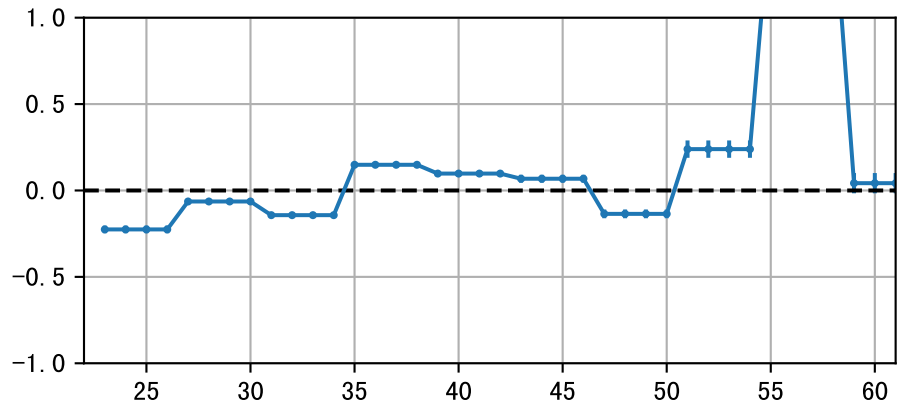
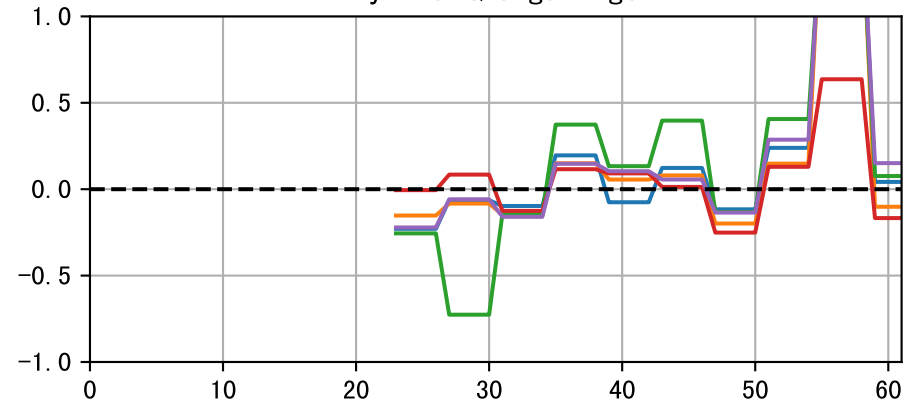




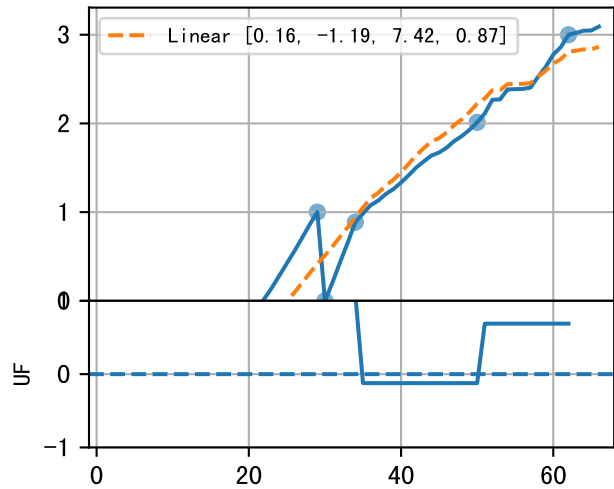
By Start Date



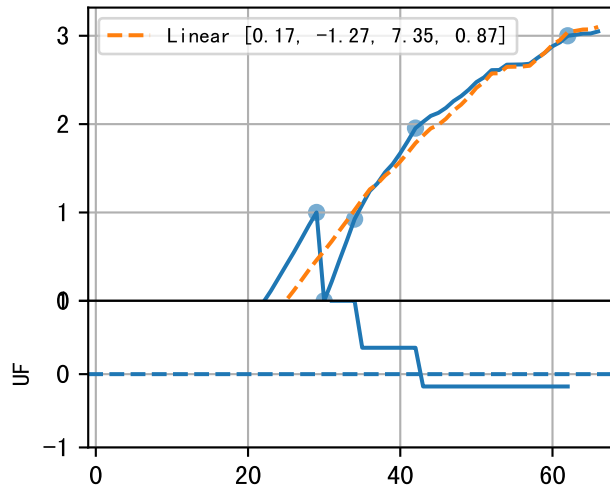
By Plant/Organ Age



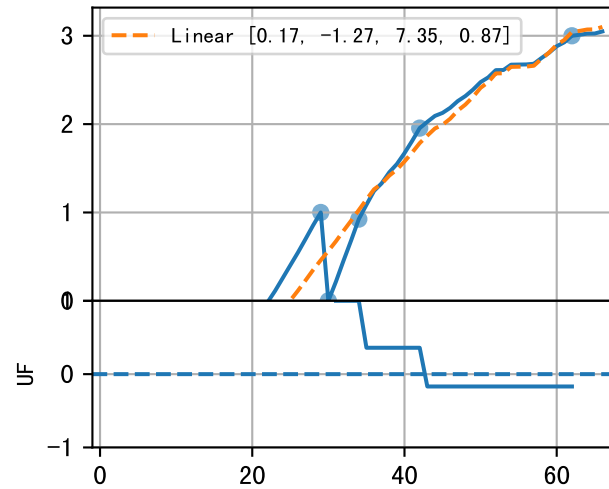
P10AE-081-12



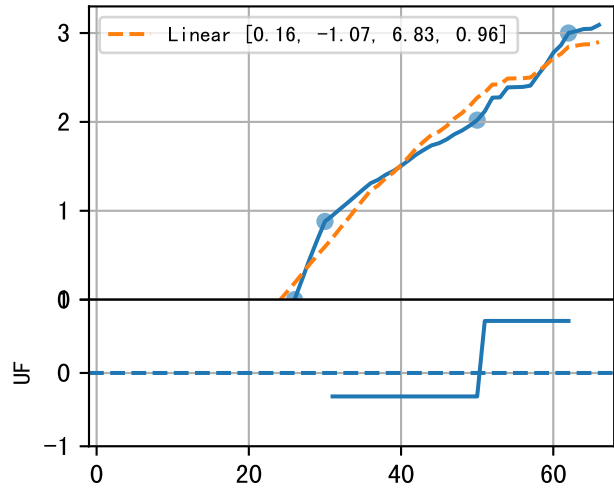
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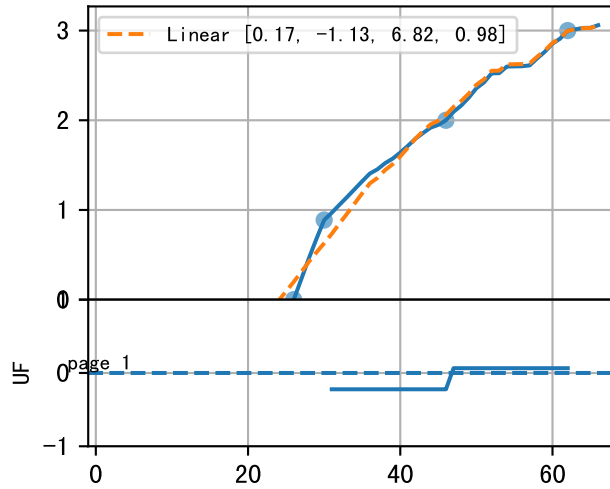
P10AE-095-20



P10AE-103-32

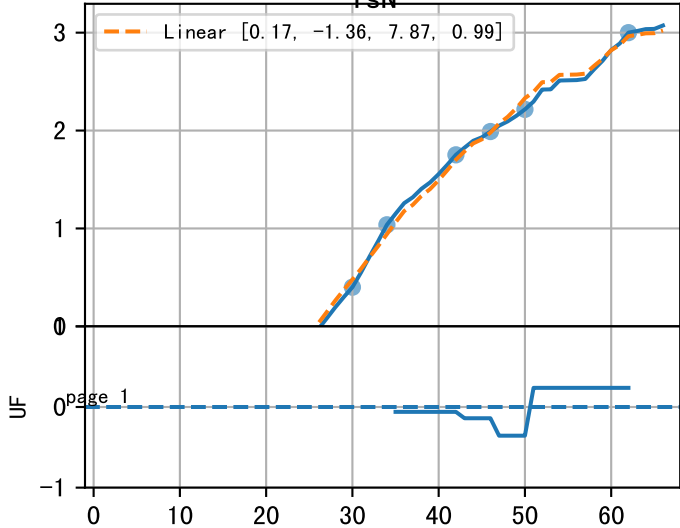


P10AE-114-7



PTUARavg  
TSN

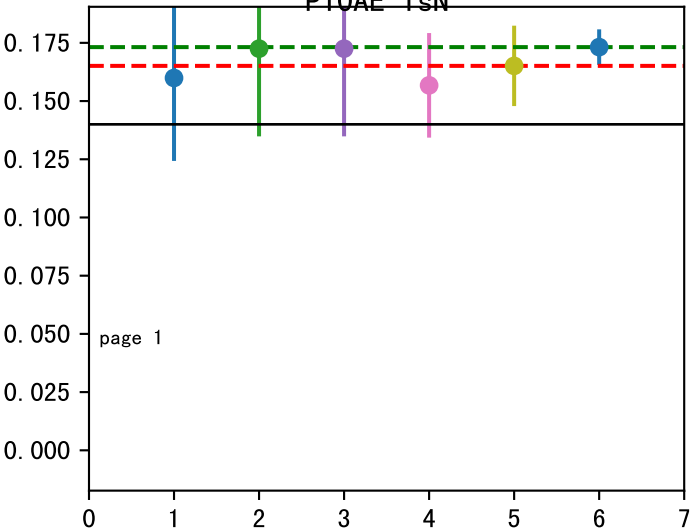
Linear [0.17, -1.36, 7.87, 0.99]



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avg1=0.17 4% avg2=0.17 10%

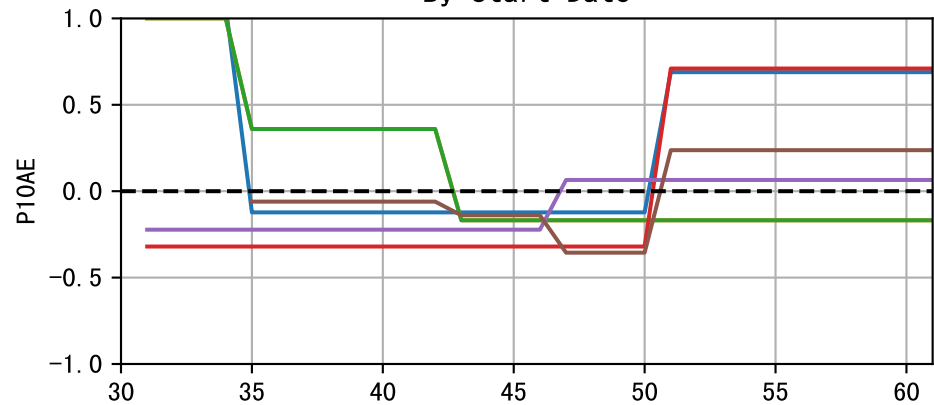
P10AE TSN



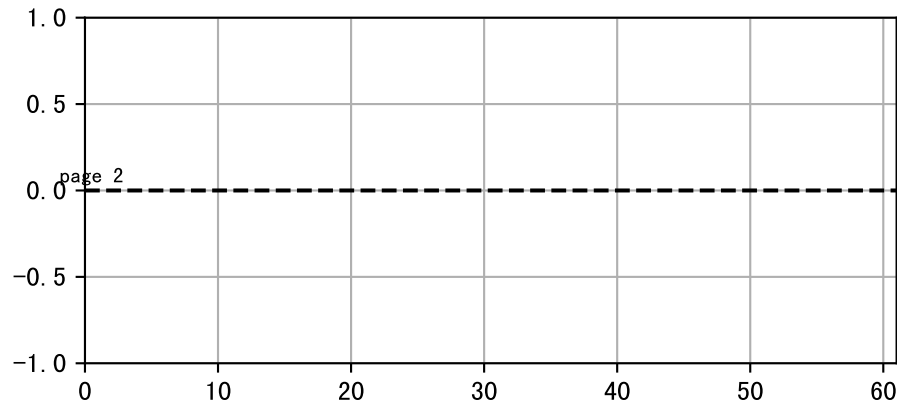
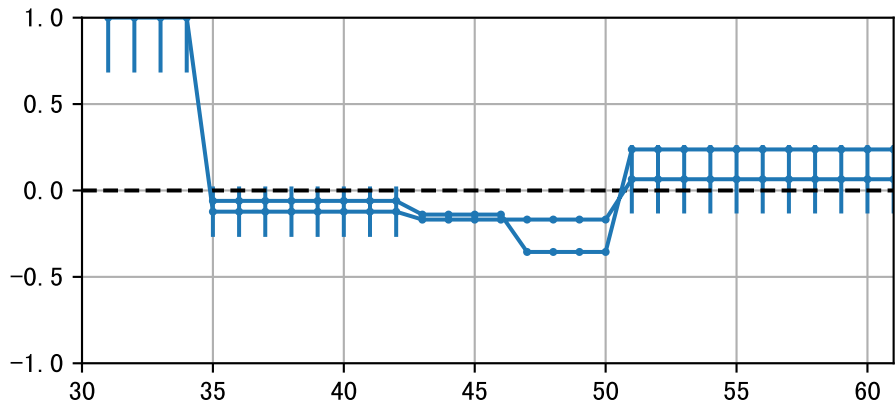
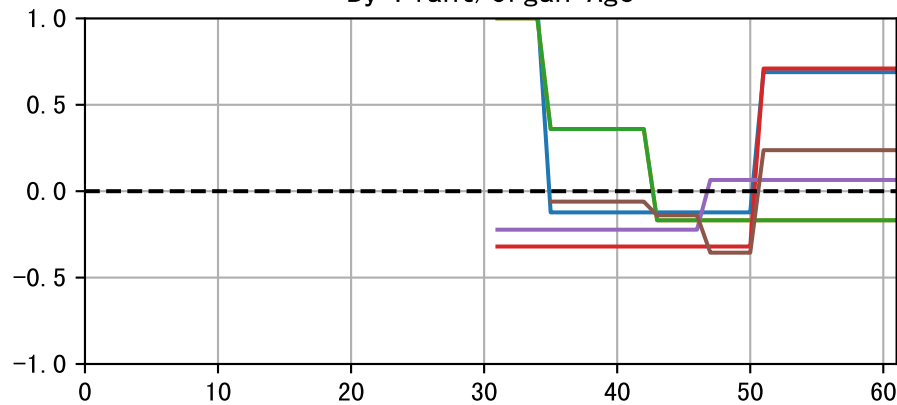
page 1

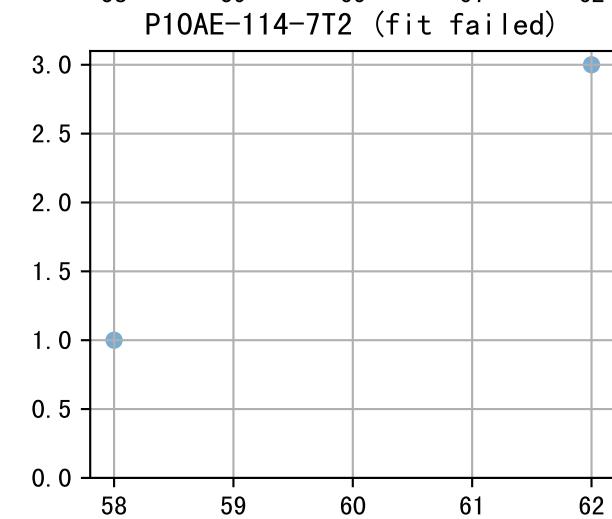
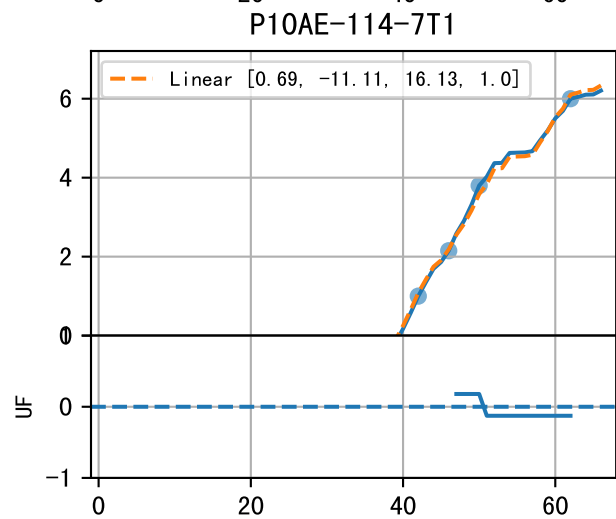
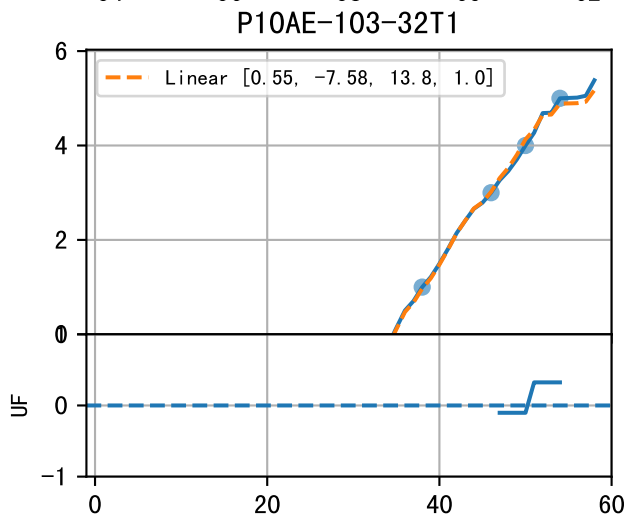
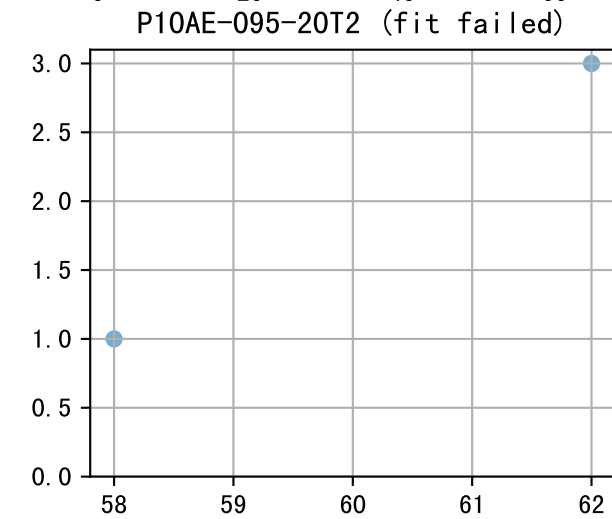
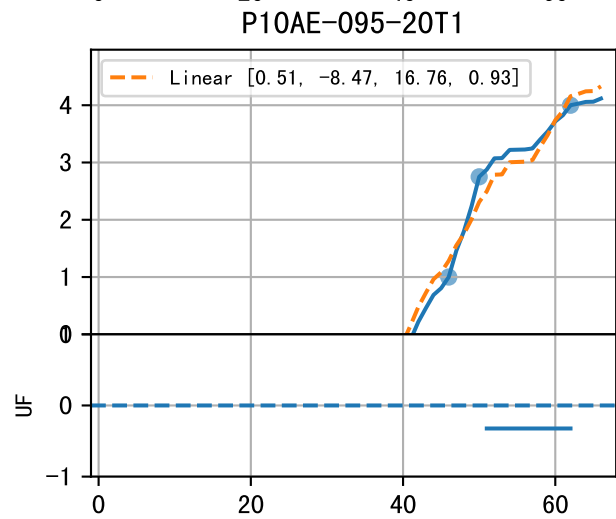
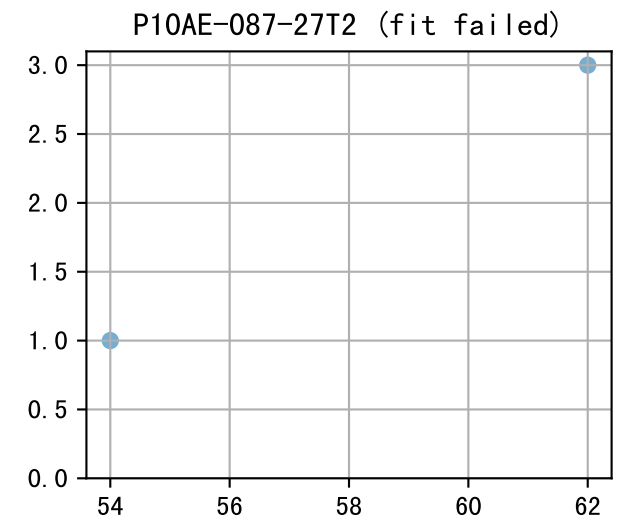
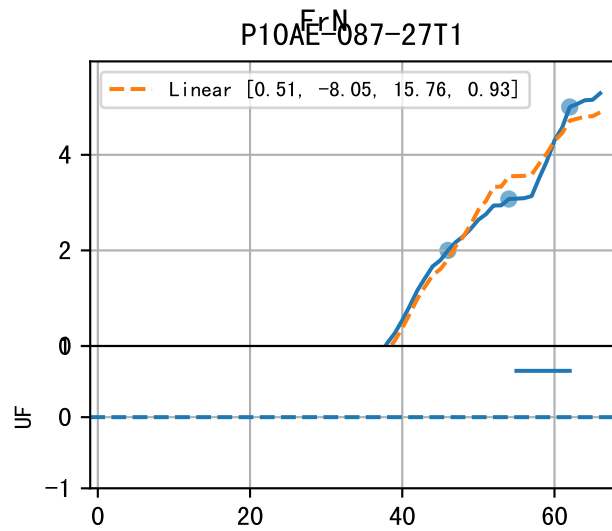
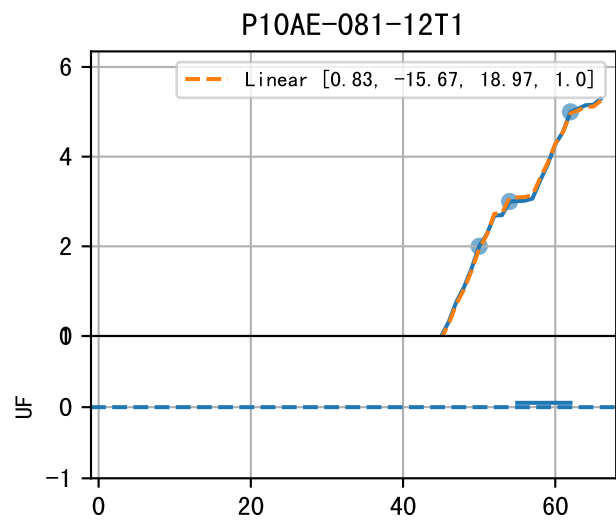
Object Number

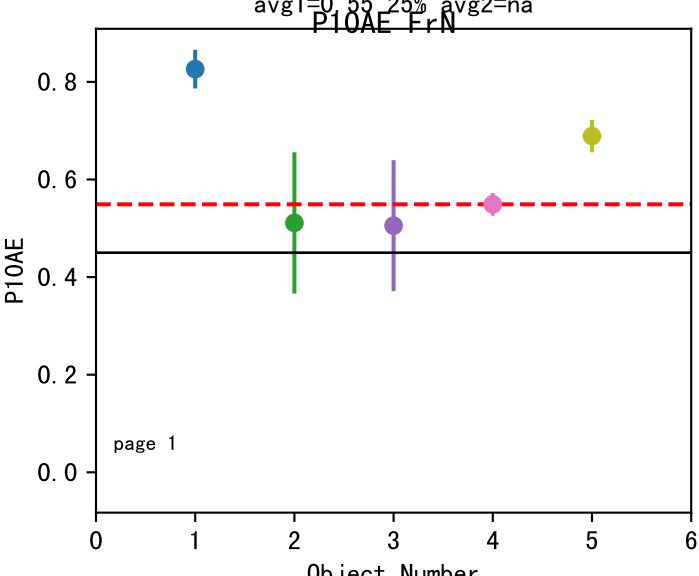
By Start Date



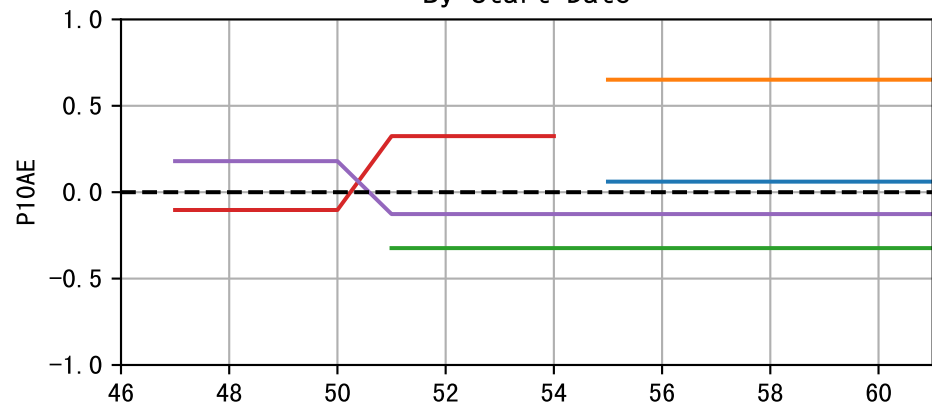
By Plant/Organ Age



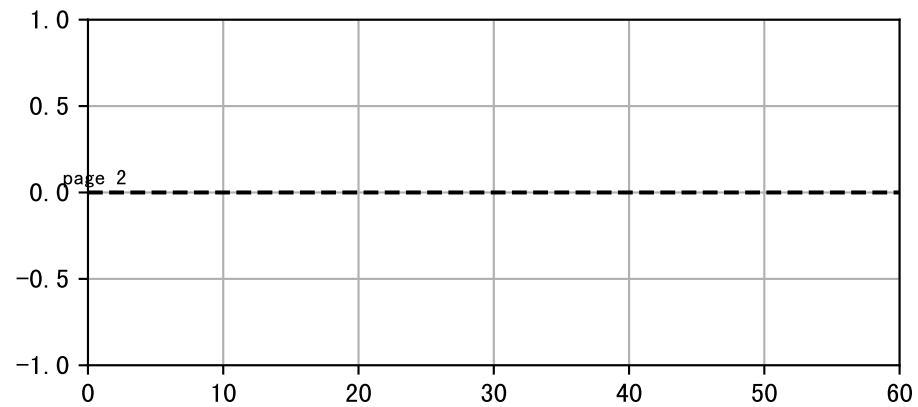
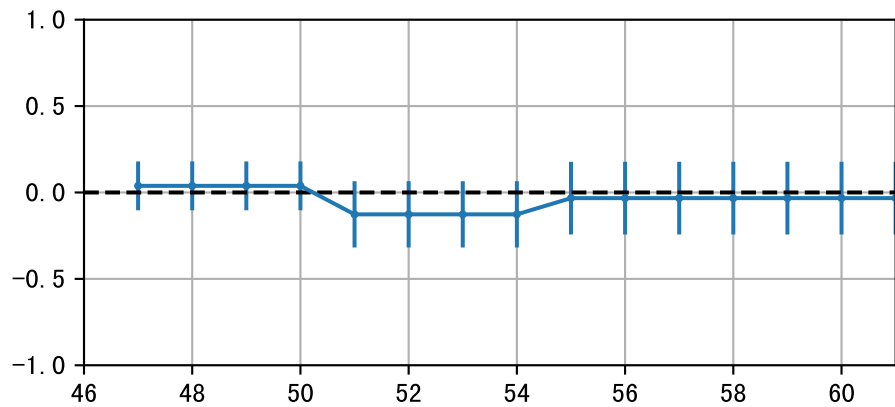
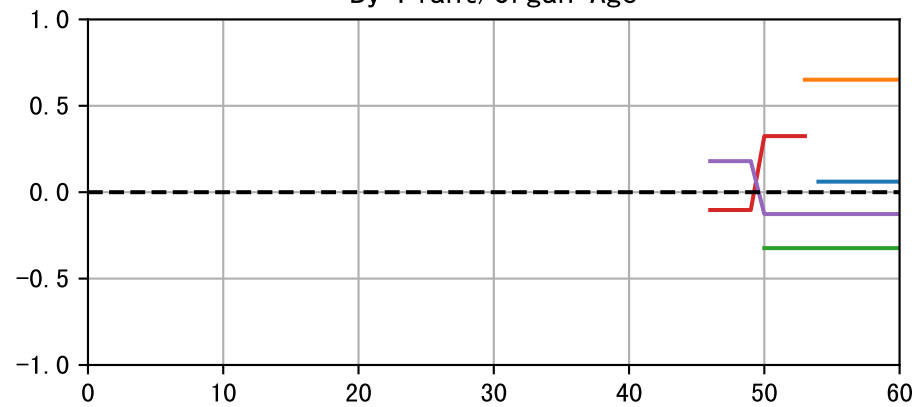




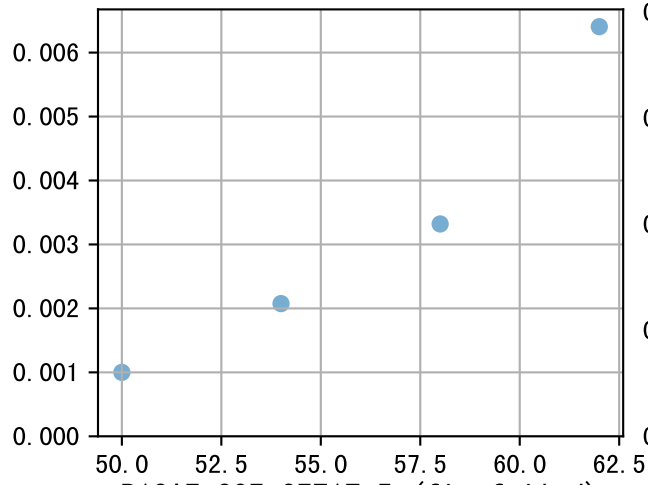
By Start Date



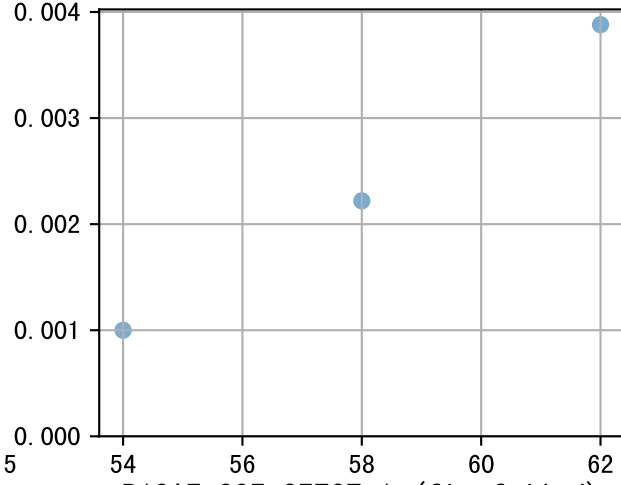
By Plant/Organ Age



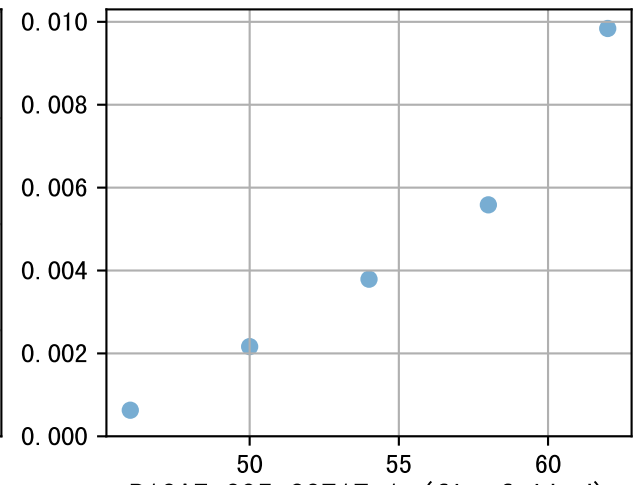
P10AE-081-12T1Fr1 (fit failed)



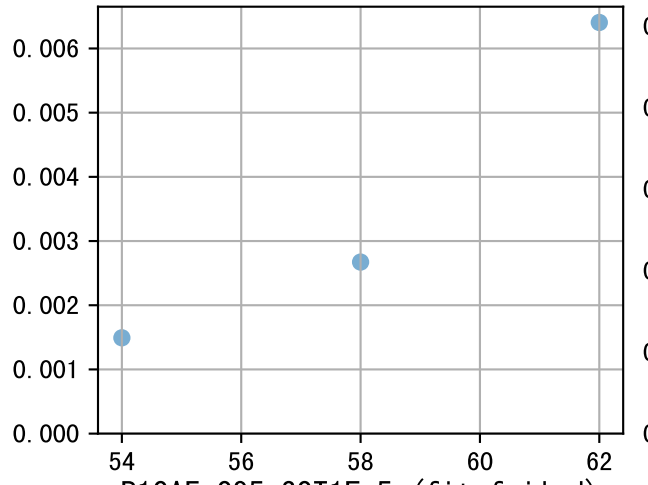
P10AE-081-12T1Fr5 (fit failed)



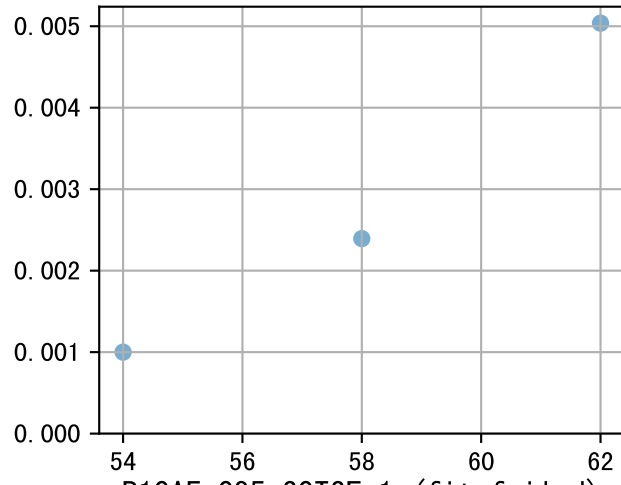
P10AE-087-27T1Fr1 (fit failed)



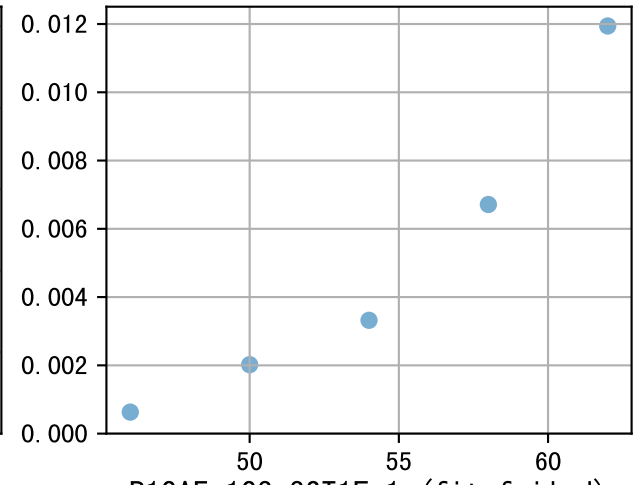
P10AE-087-27T1Fr5 (fit failed)



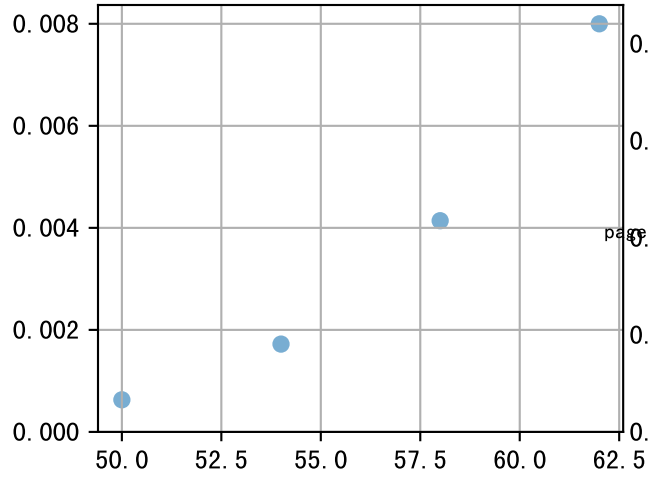
P10AE-087-27T2Fr1 (fit failed)



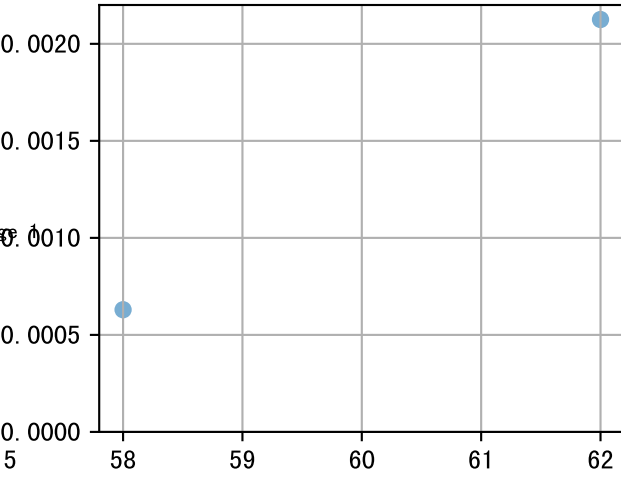
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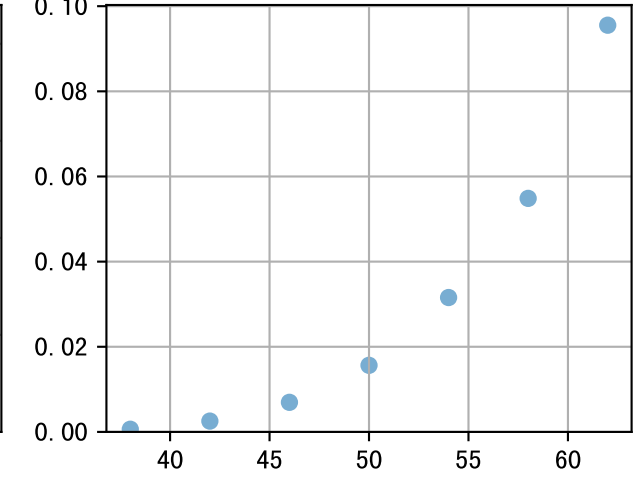
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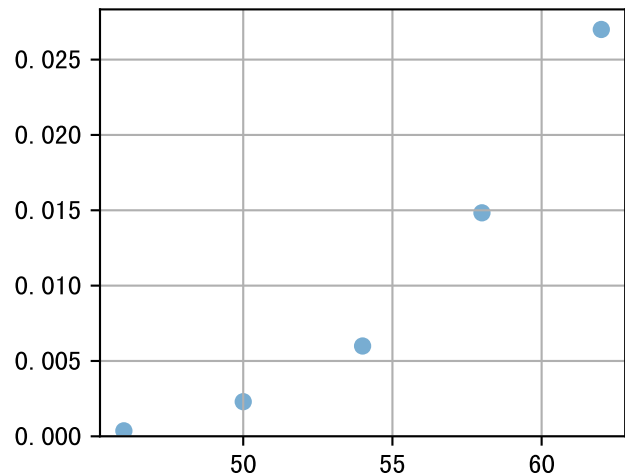
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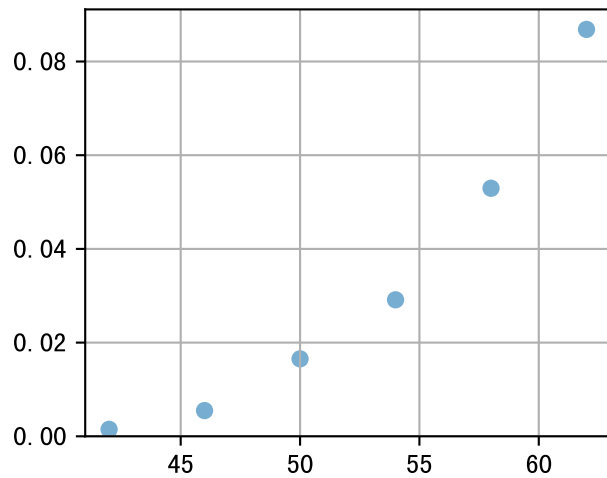
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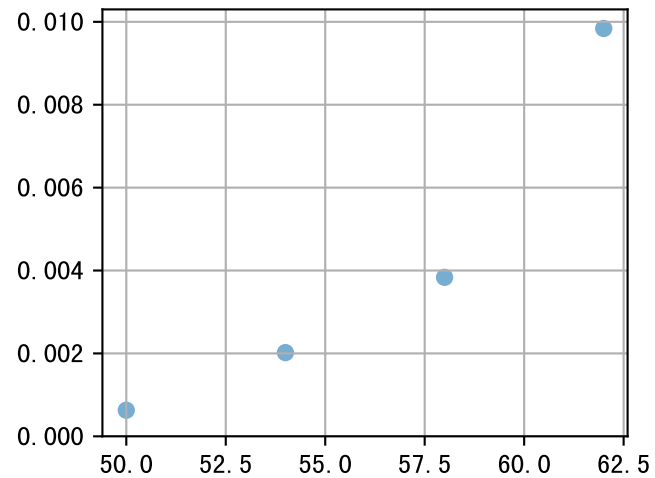
P10AE-103-32T1Fr5 (fit failed)



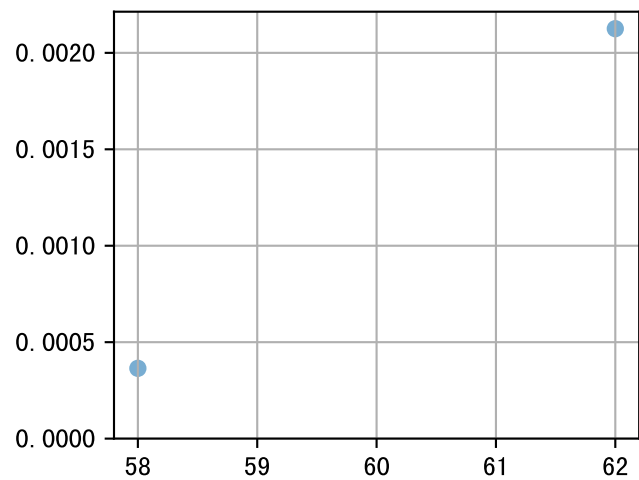
P10AE-114-7T1Fr1 (fit failed)



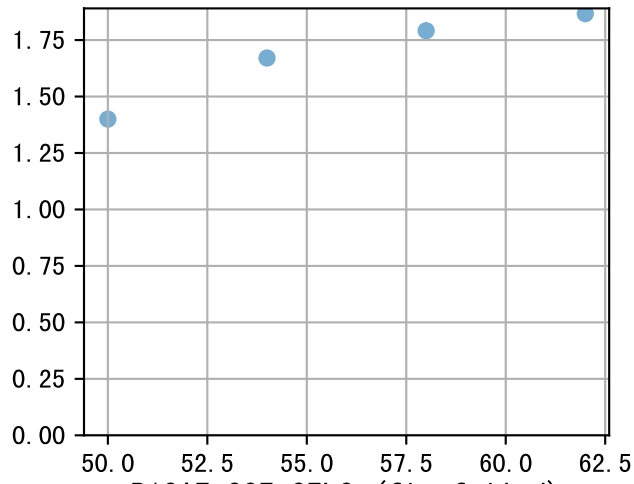
P10AE-114-7T1Fr5 (fit failed)



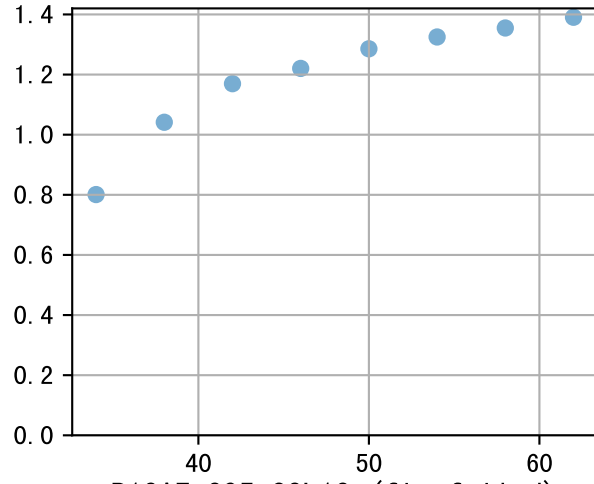
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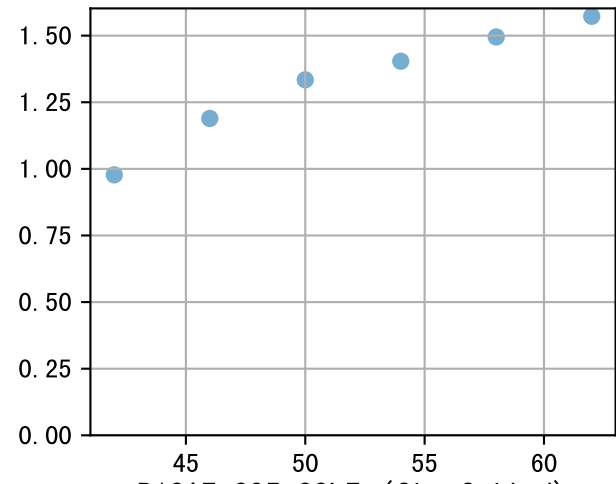
P10AE-081-12L10 (fit failed)



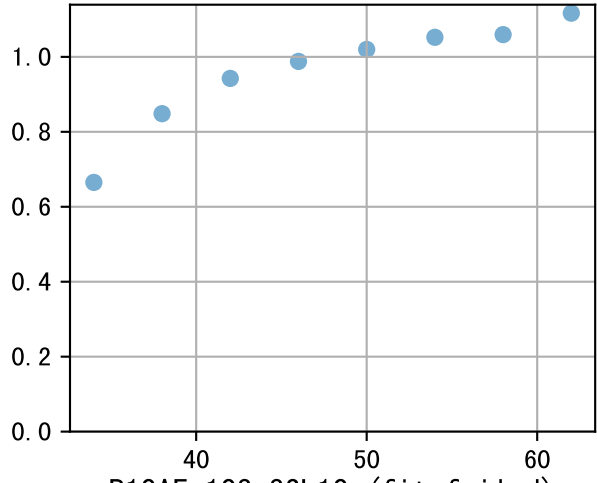
P10AE-081-12L7 (fit failed)



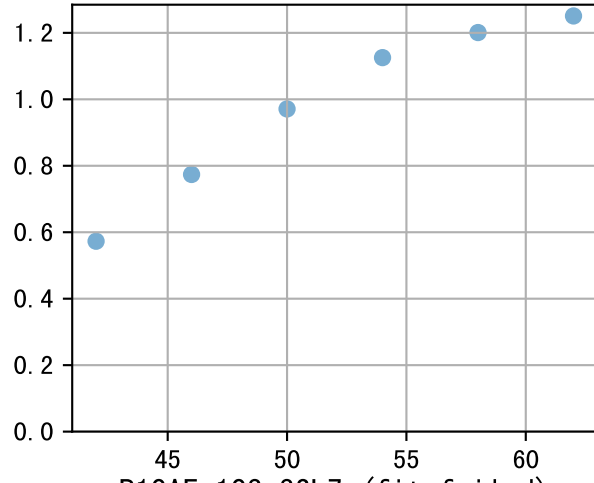
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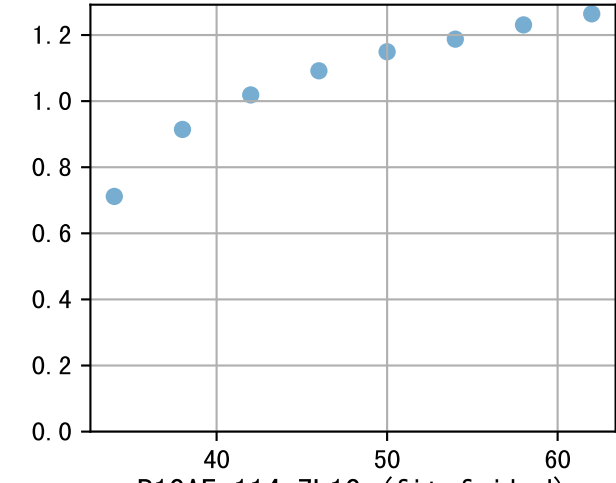
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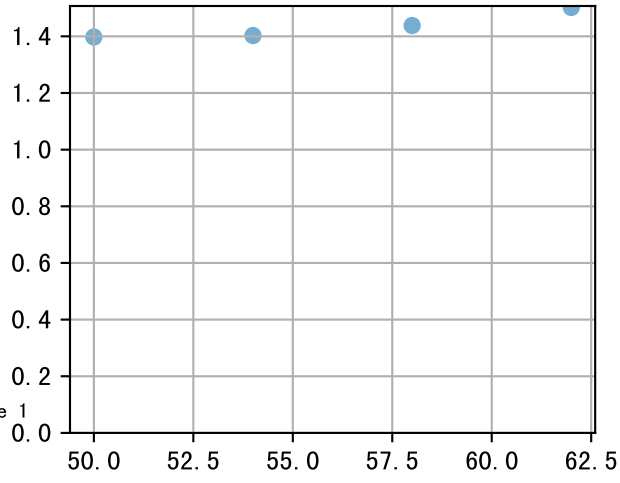
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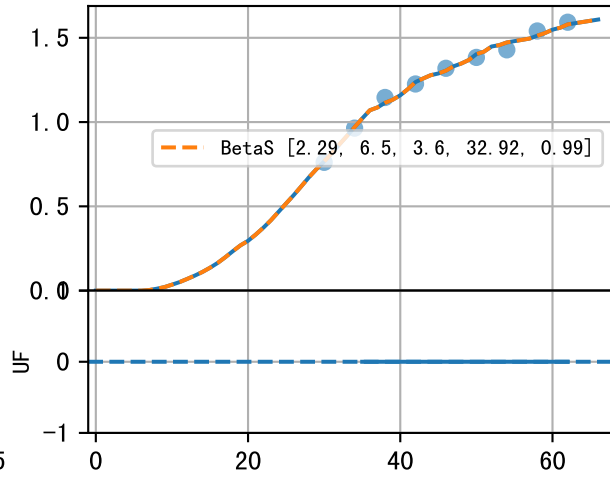
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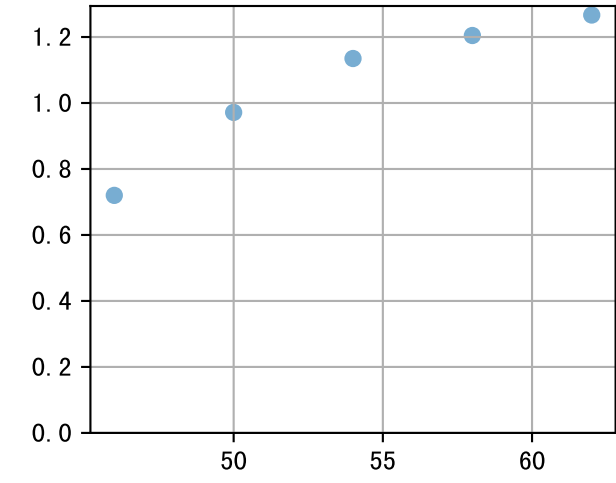
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P10AE-103-32L7 (fit failed)

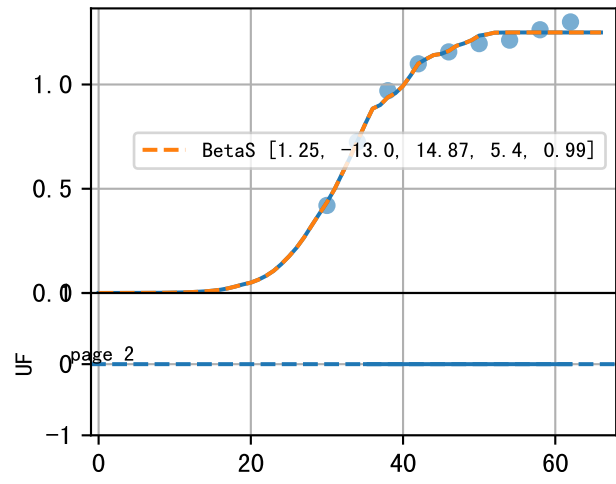


P10AE-114-7L10 (fit failed)

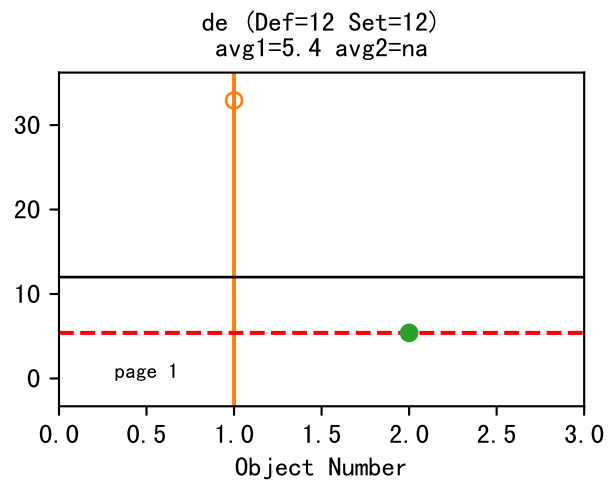
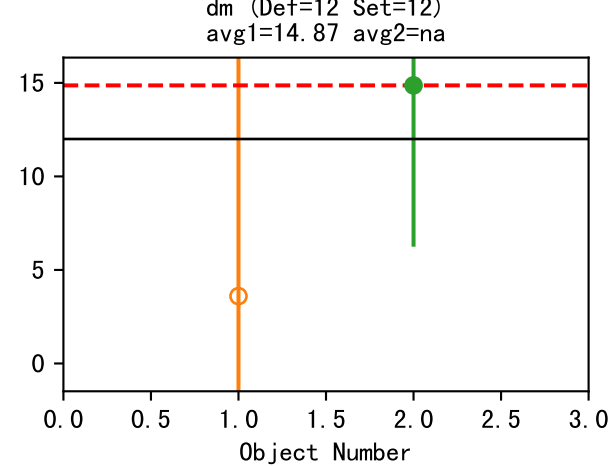
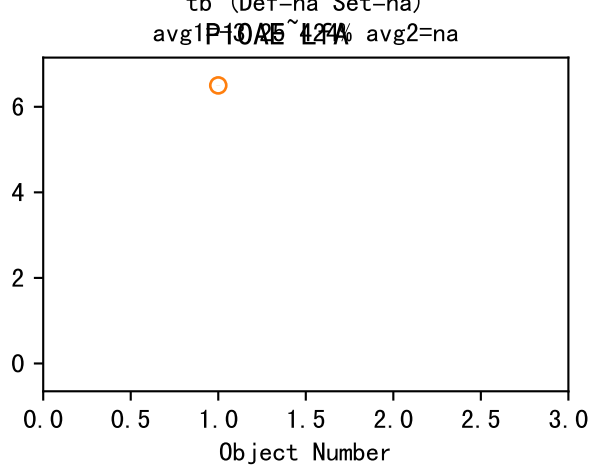
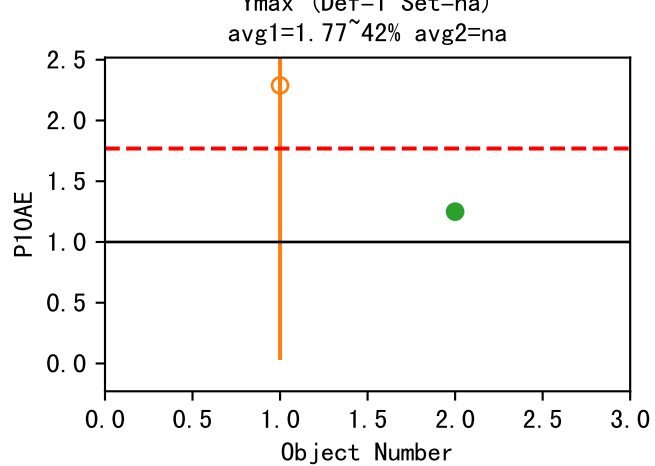


P10AE-114-7L7

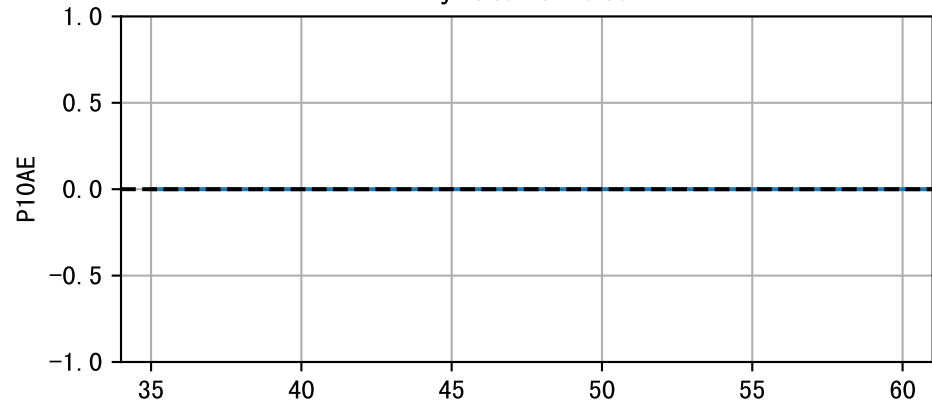
LfA



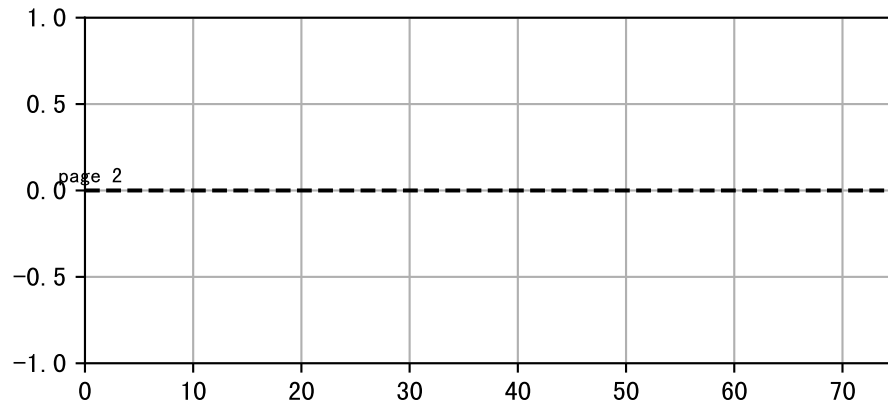
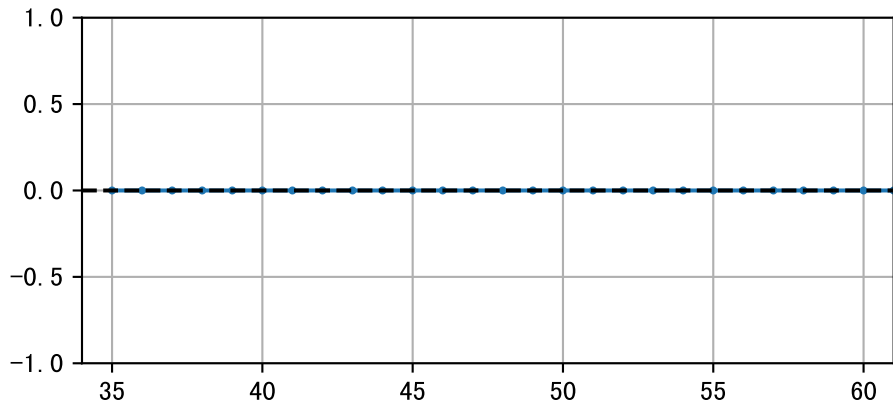
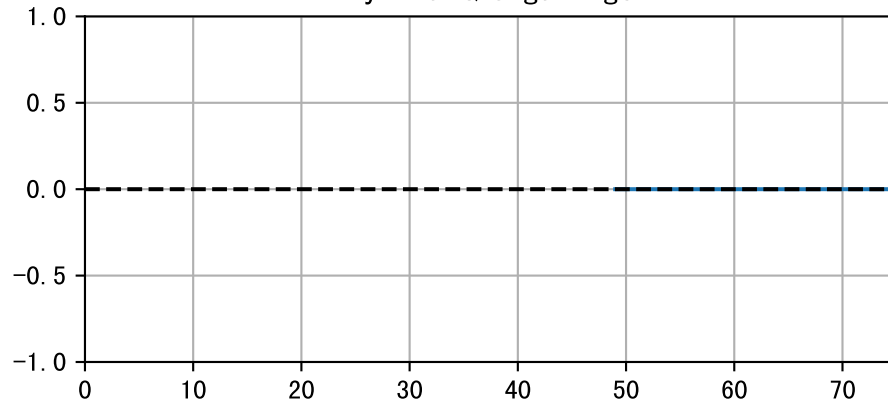
Page 2

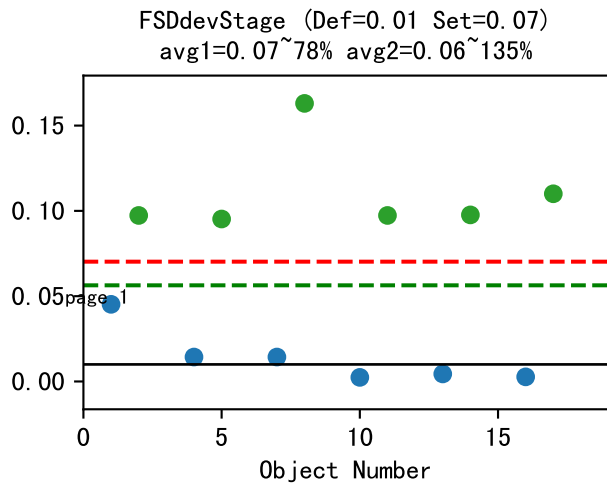
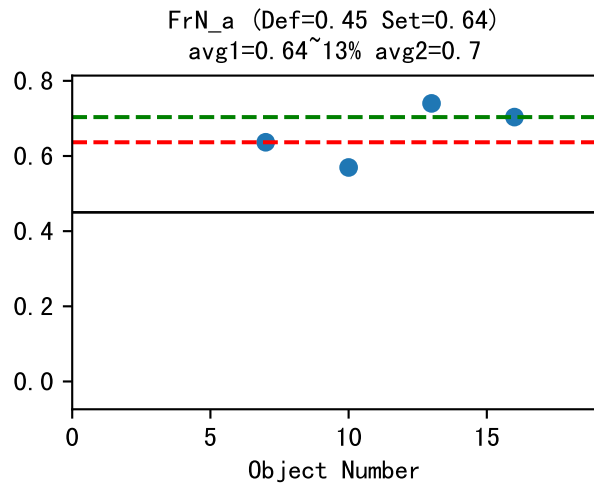
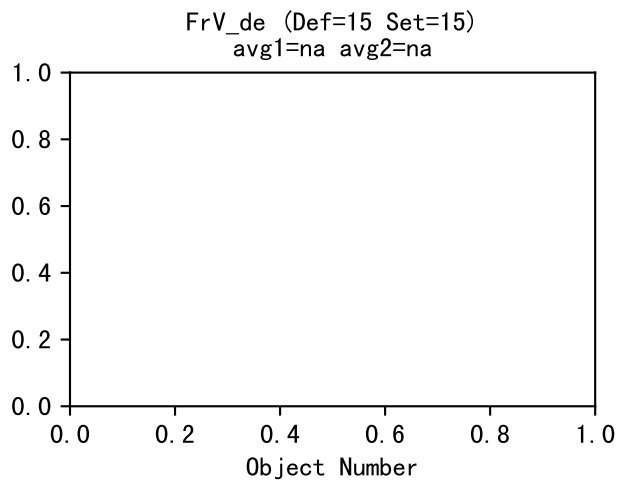
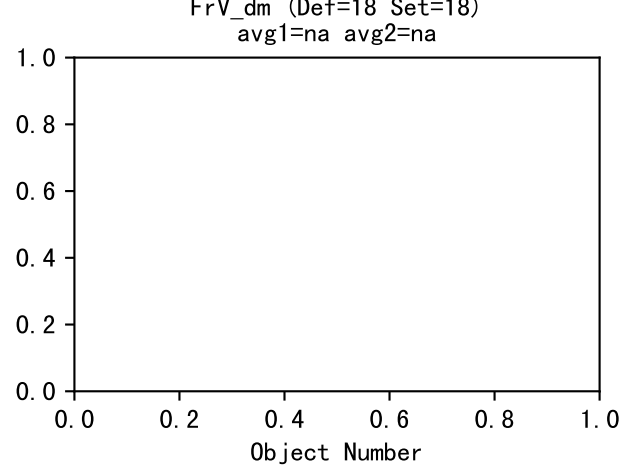
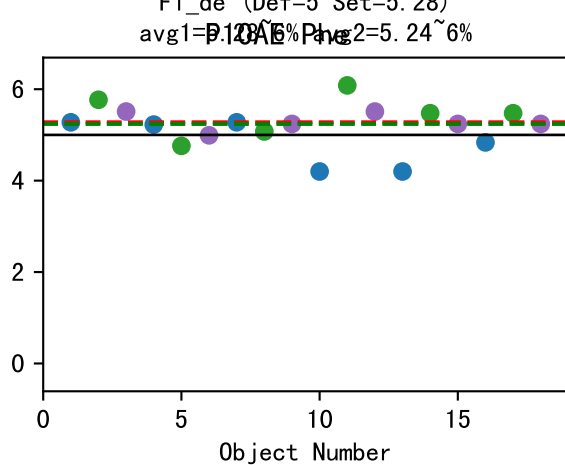
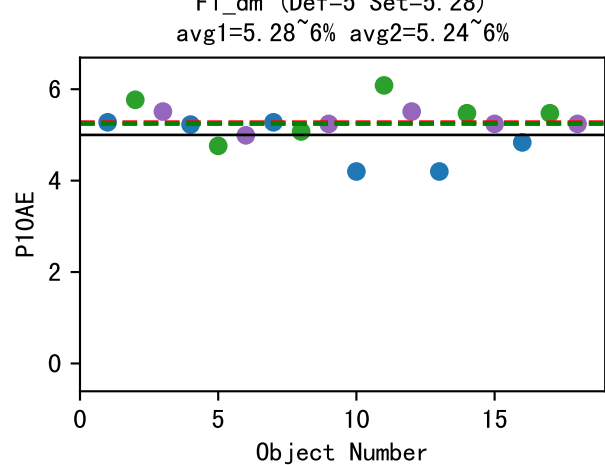


By Start Date

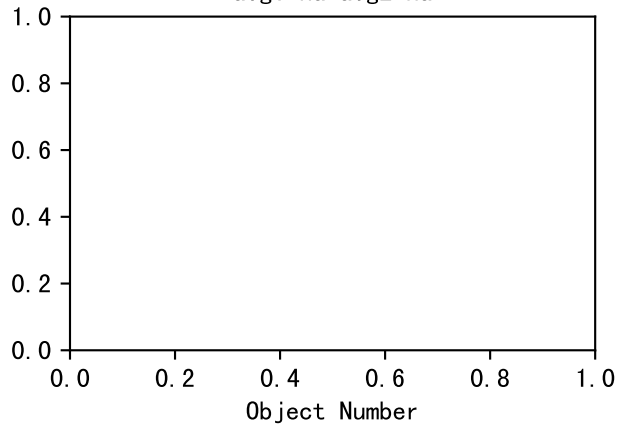


By Plant/Organ Age

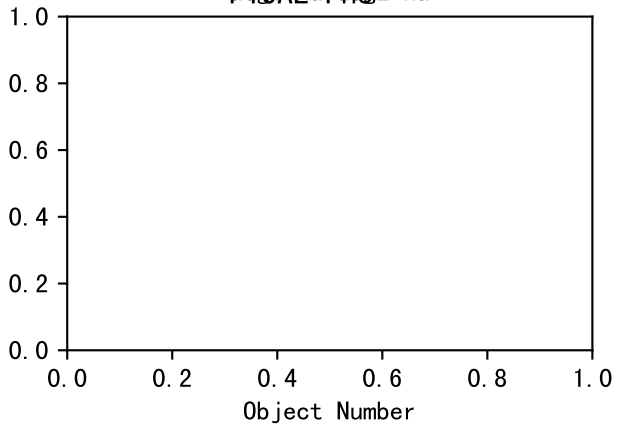




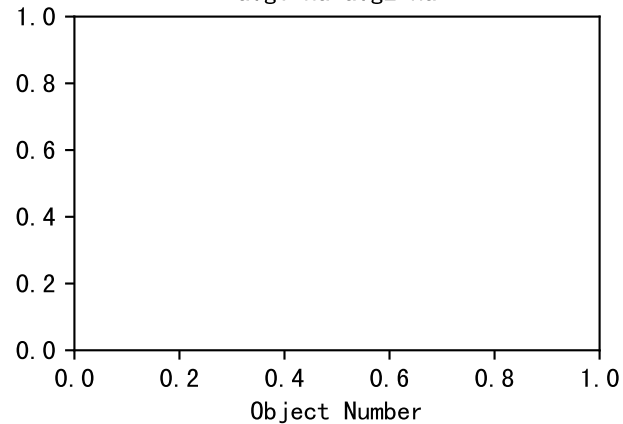
FGDdevStage (Def=0.7 Set=0.7)  
avg1=na avg2=na



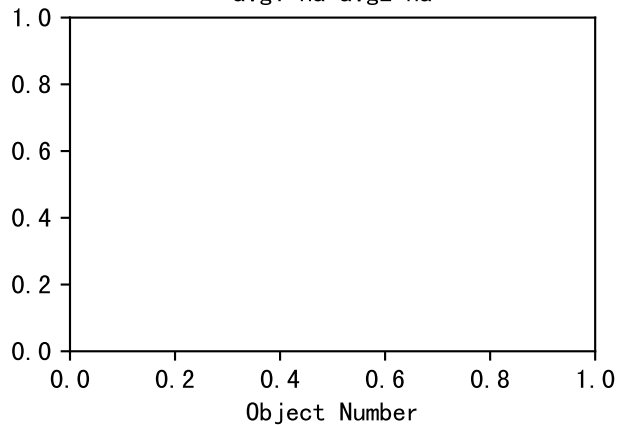
FMBDdevStage (Def=1.3 Set=1.3)  
avg1=na avg2=na



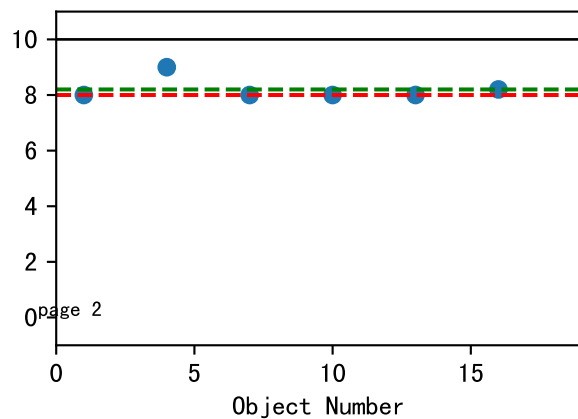
FMEDdevStage (Def=1.8 Set=1.8)  
avg1=na avg2=na



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

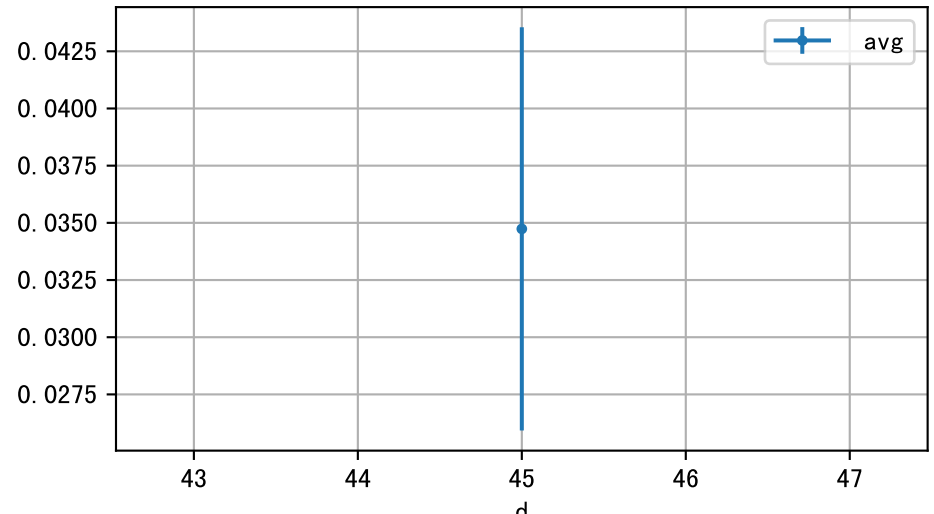


NNgen (Def=10 Set=8)  
avg1=8.0~0% avg2=8.2

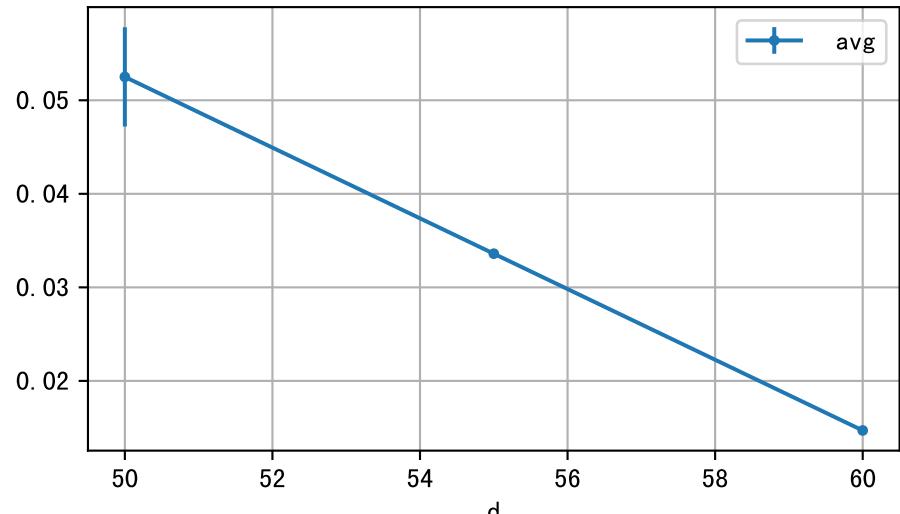


LfA: avg vs. d at each age group

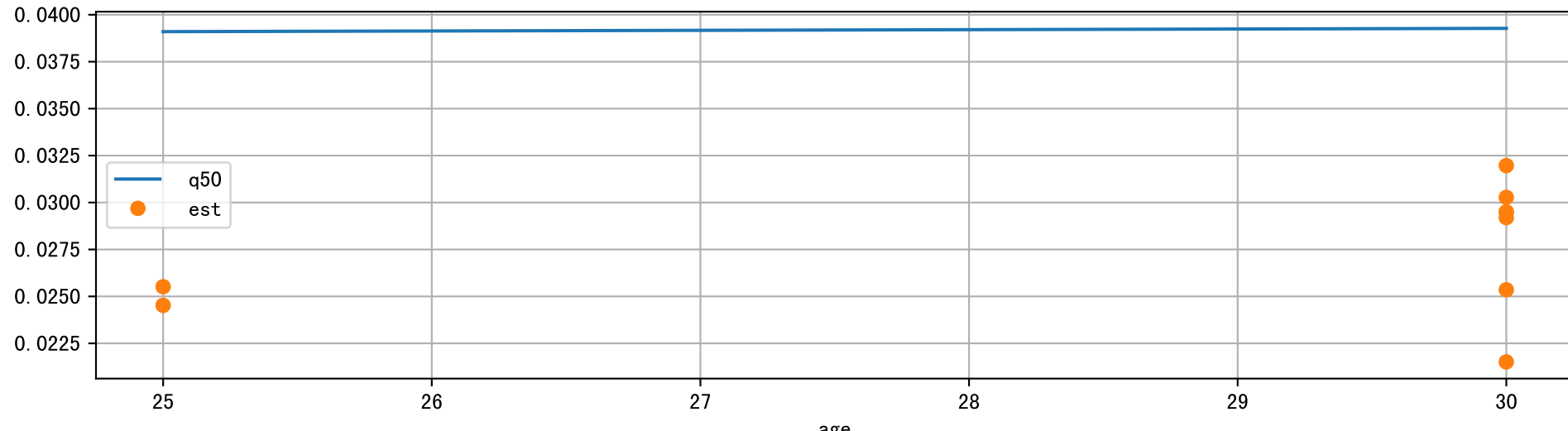
age=25



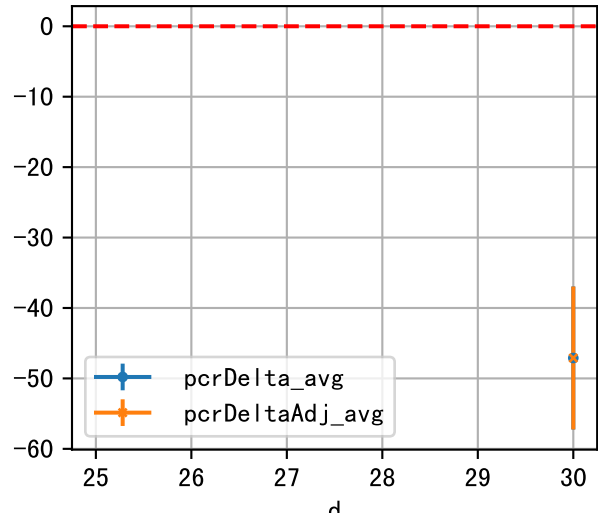
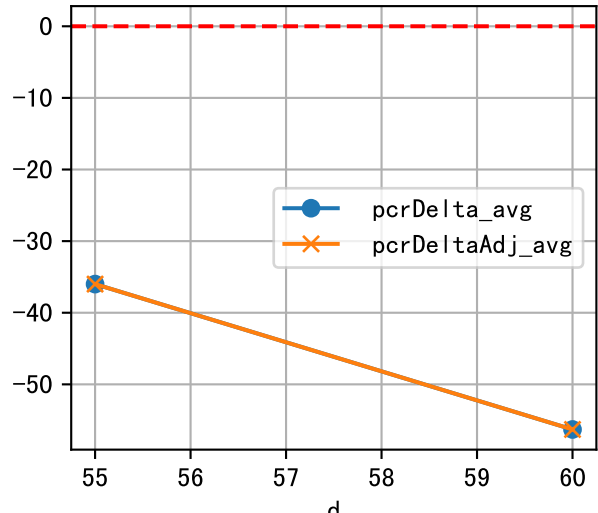
age=30



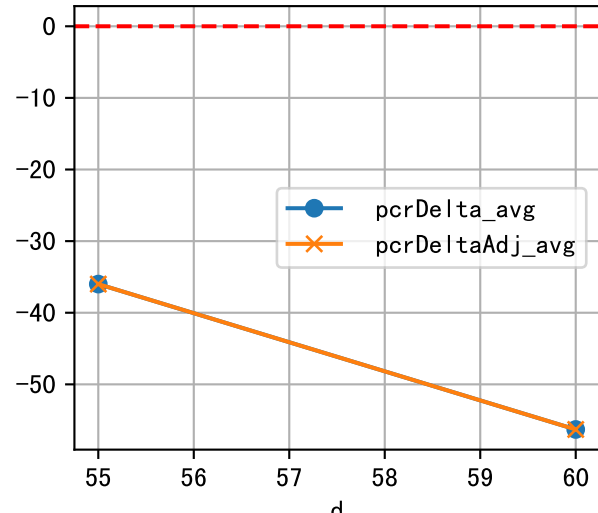
LfA: model est vs obs0v@Q50



DeltaTypeAbbr=GrpByAge

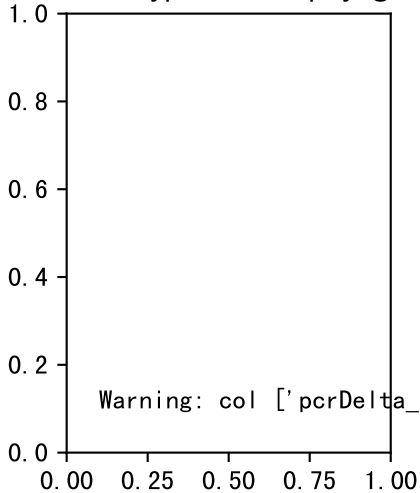
P10AE LfA: D\_5d\_LfA  
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

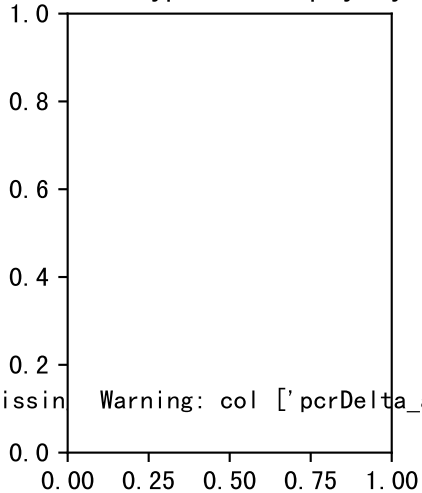


P10AE LfA: D\_15d\_LfA

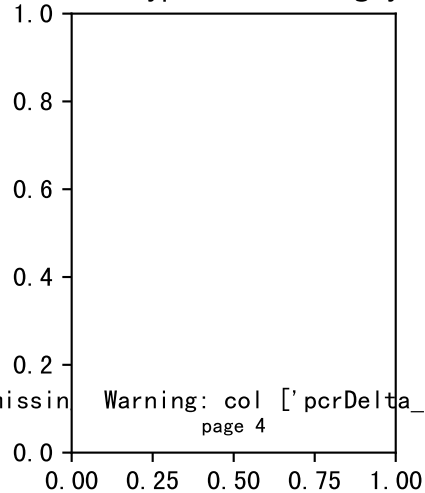
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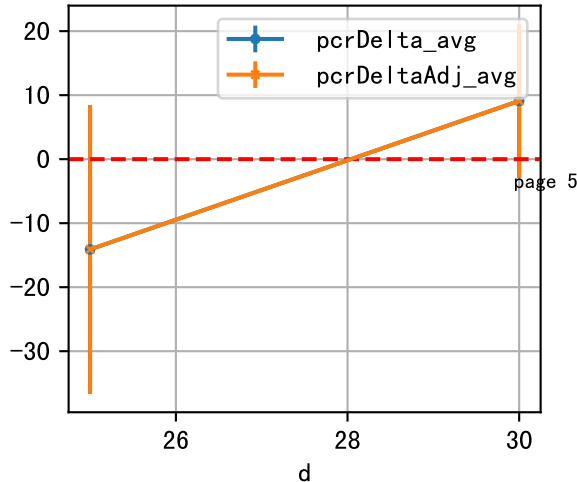
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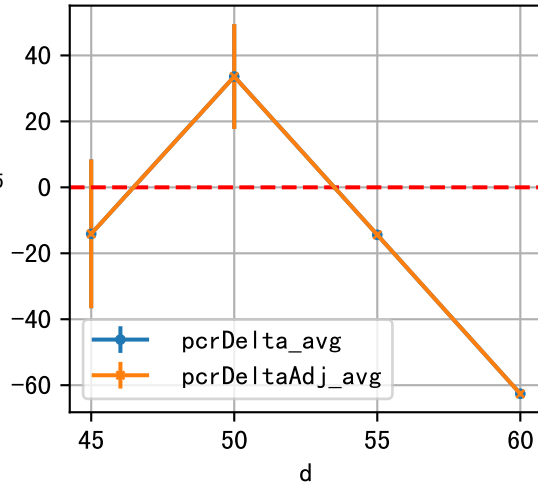
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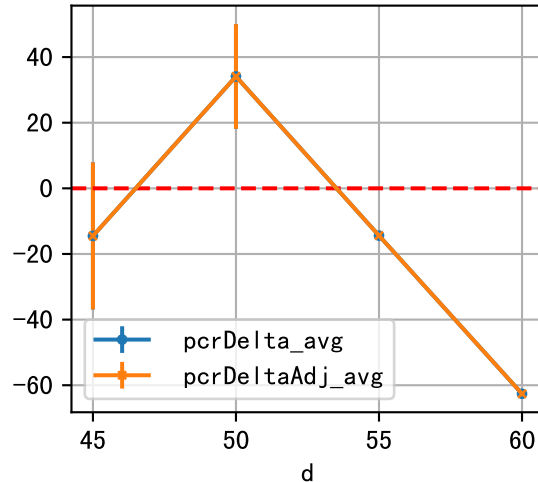
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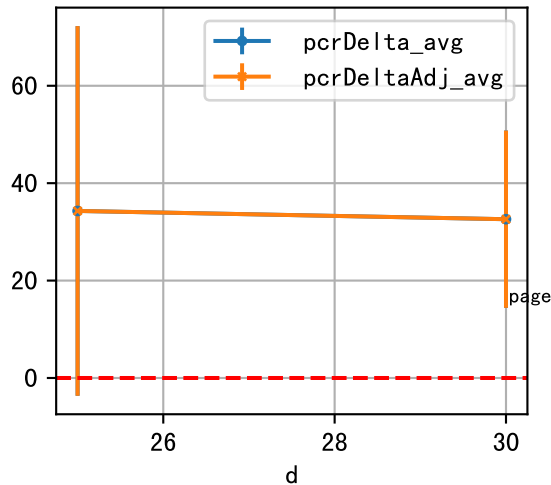
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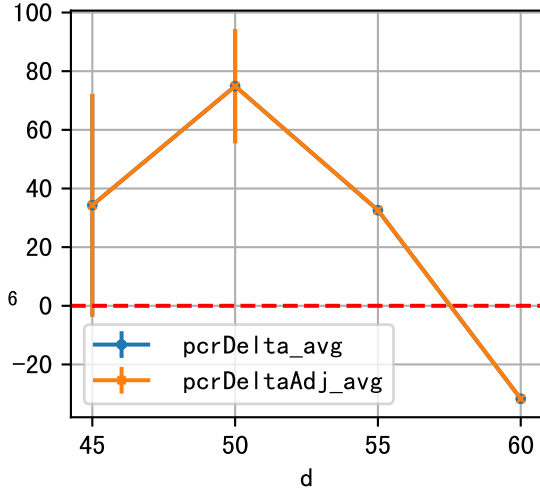
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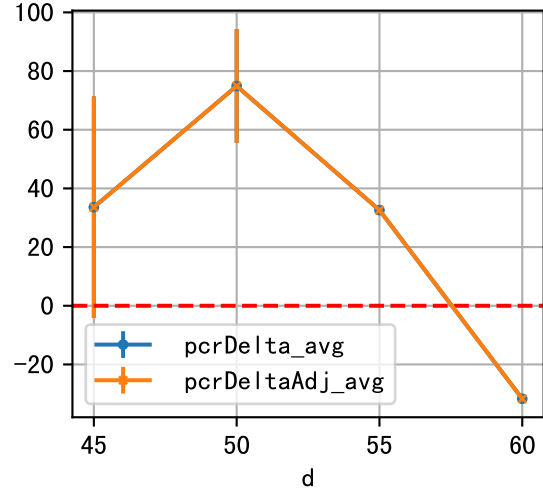
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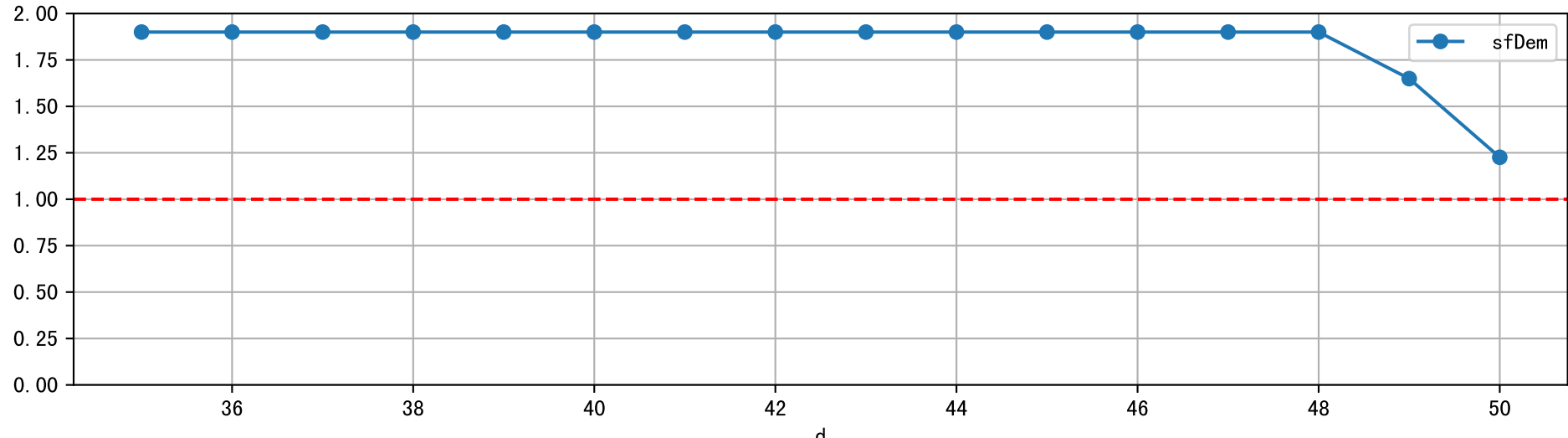
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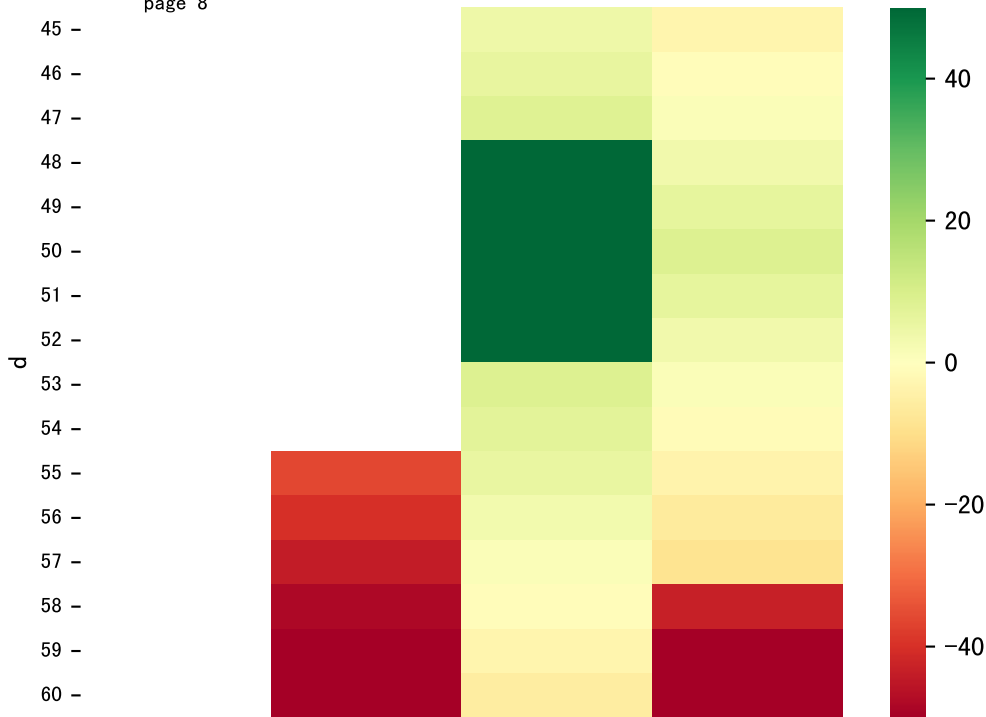


DeltaTypeAbbr=Wei AvgByD



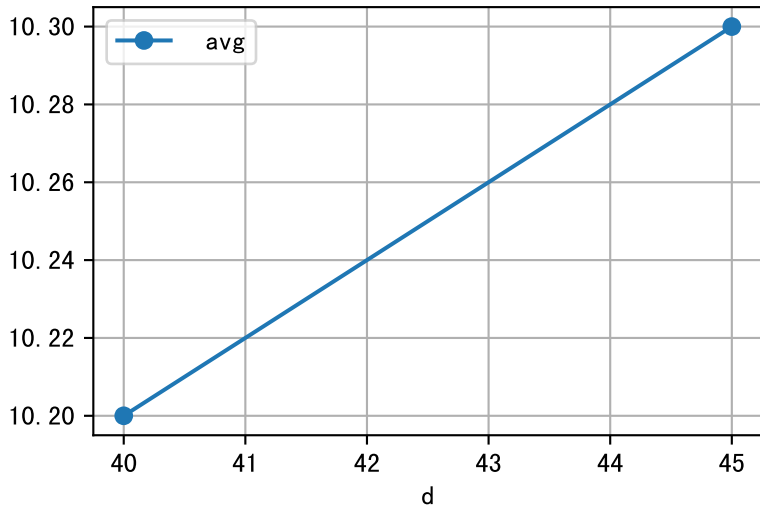
LfA: sfDem



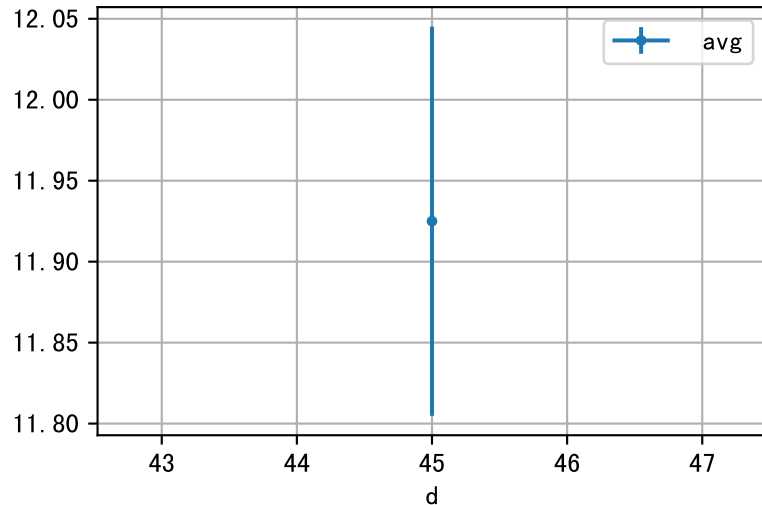


# NdD: avg vs. d at each age group

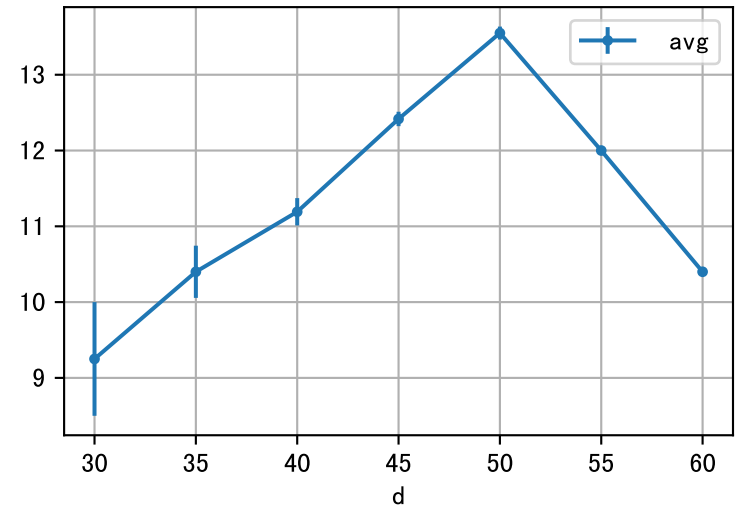
## age=20



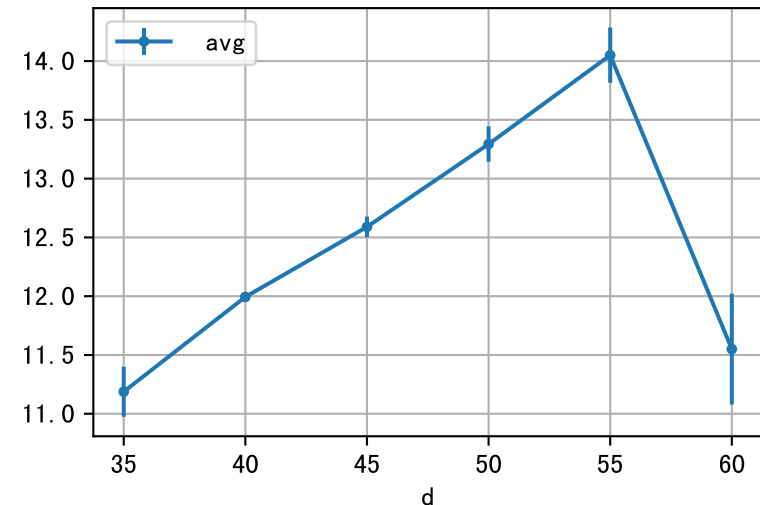
## age=25



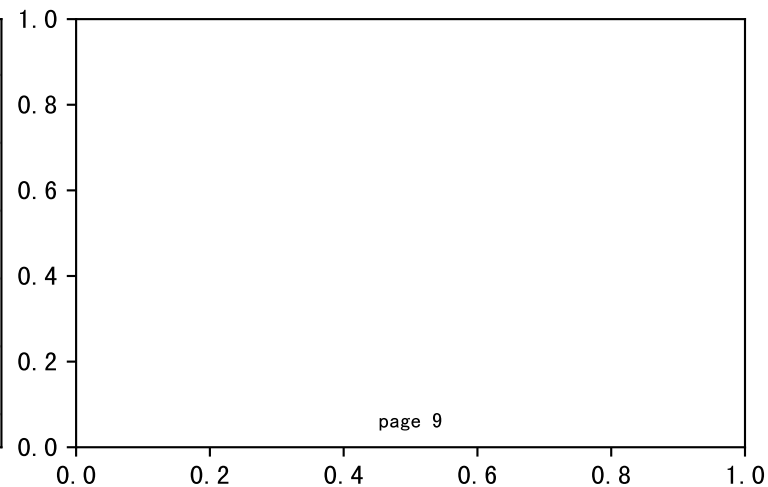
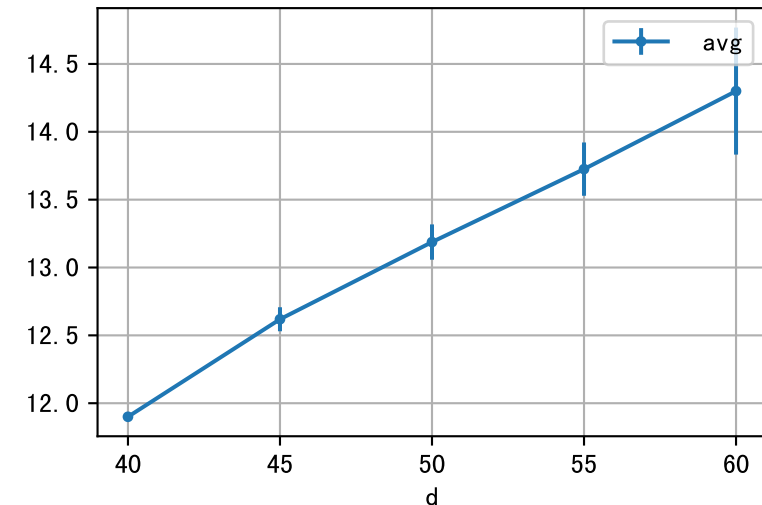
## age=30



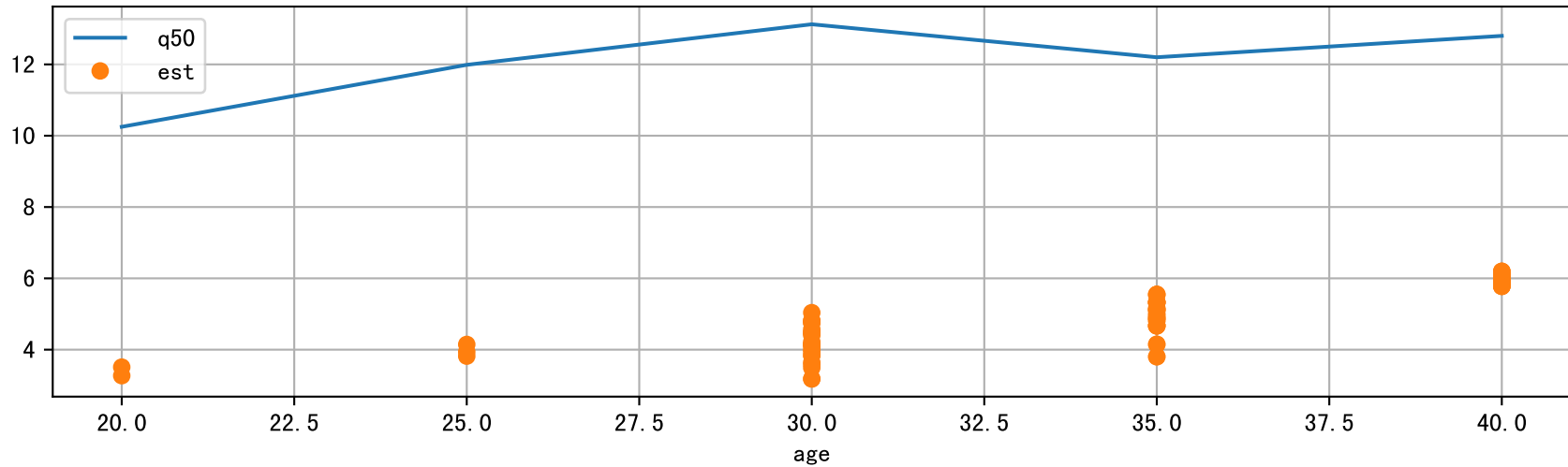
## age=35



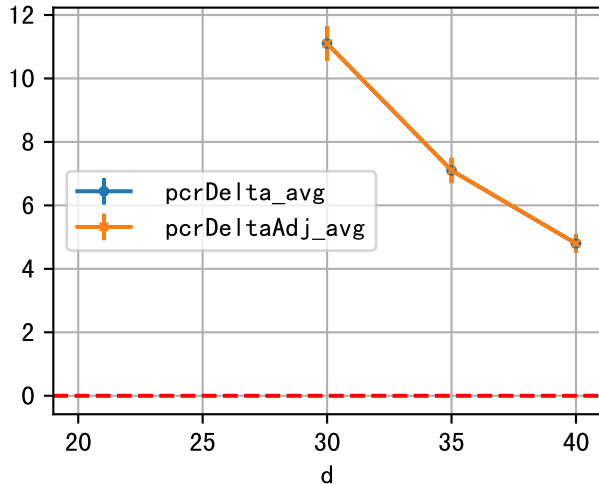
## age=40



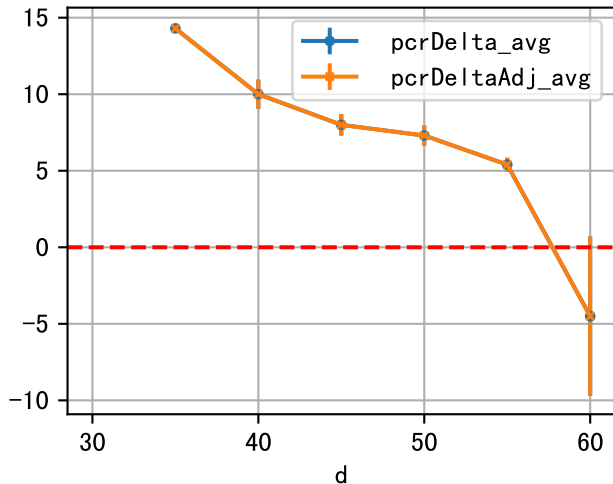
NdD: model est vs obs0v@Q50



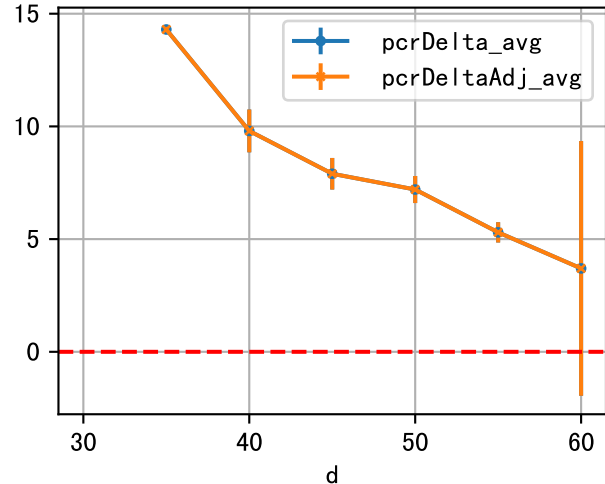
DeltaTypeAbbr=GrpByAge



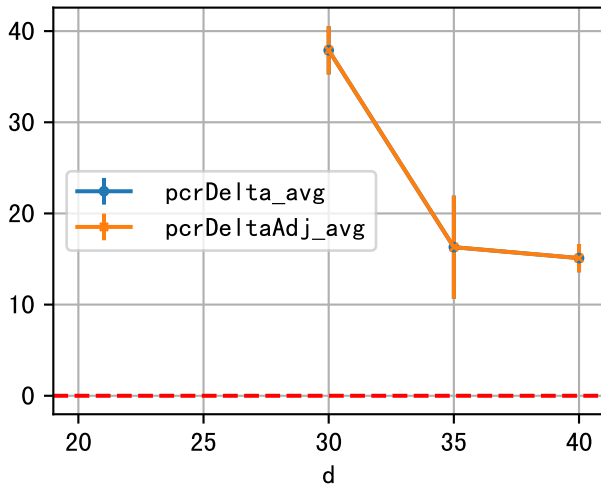
DeltaTypeAbbr=GrpByDay



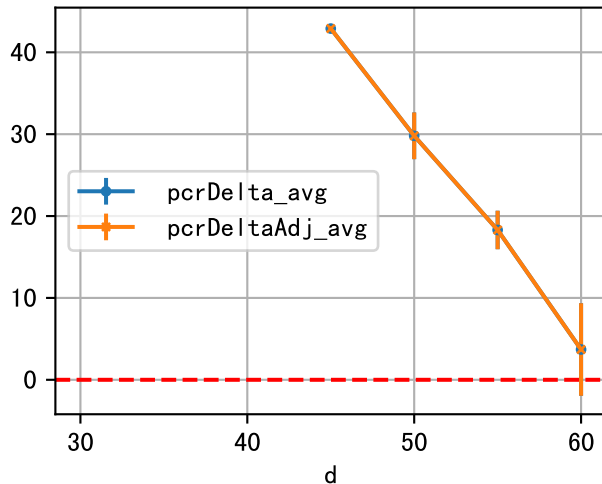
DeltaTypeAbbr=Wei AvgByD



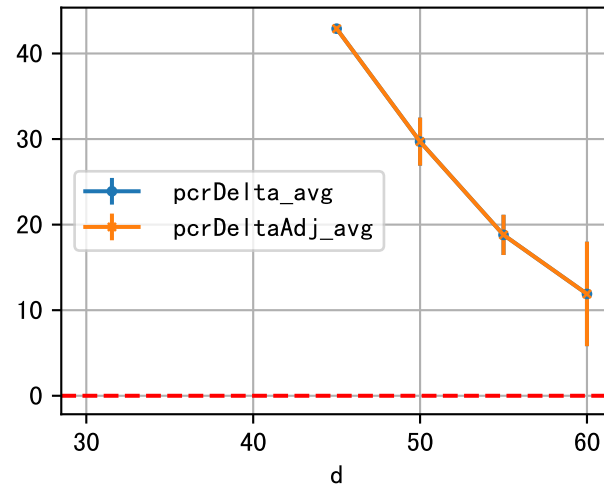
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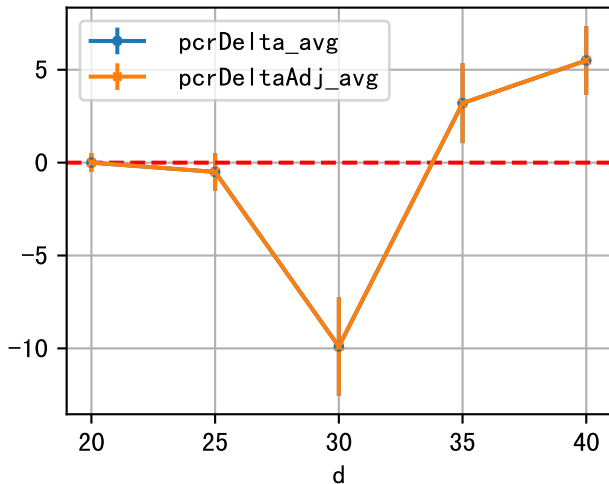
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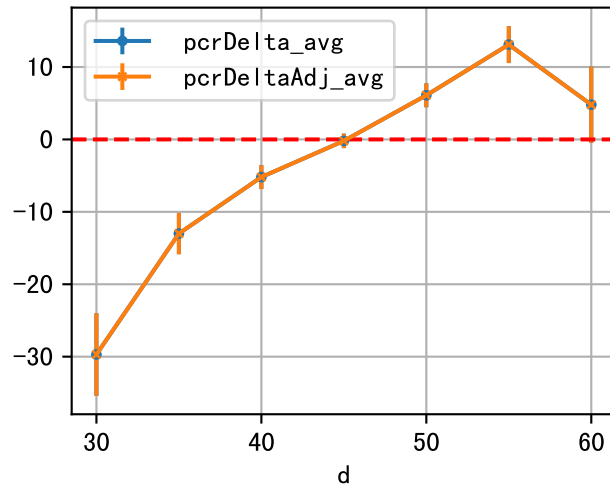
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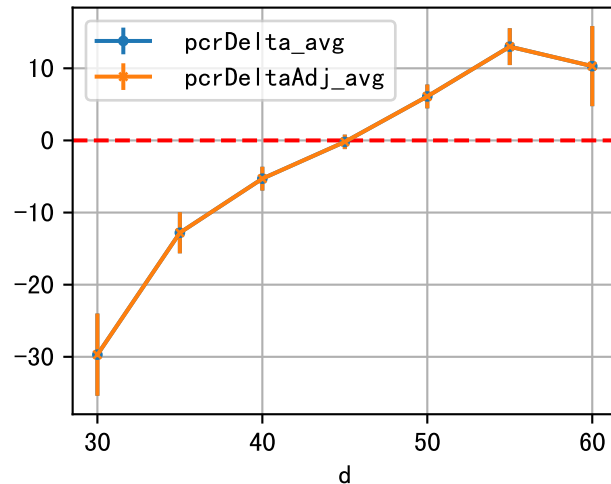
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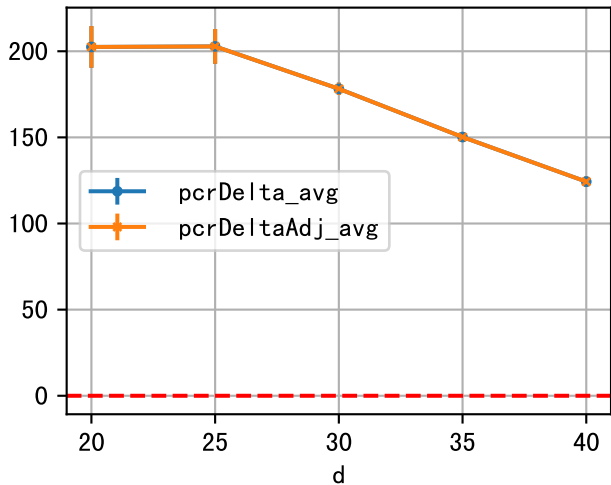
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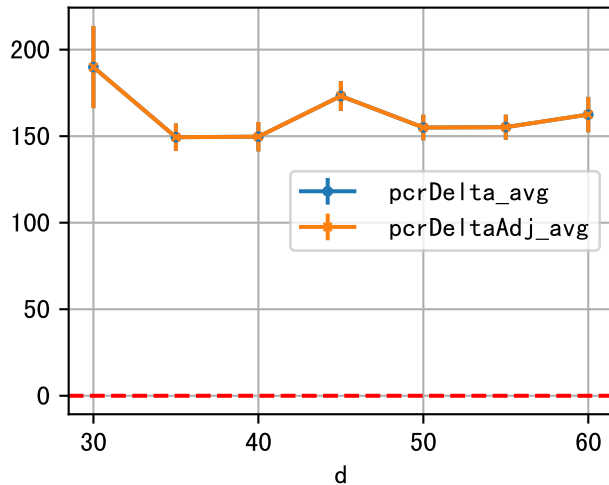
DeltaTypeAbbr=Wei AvgByD



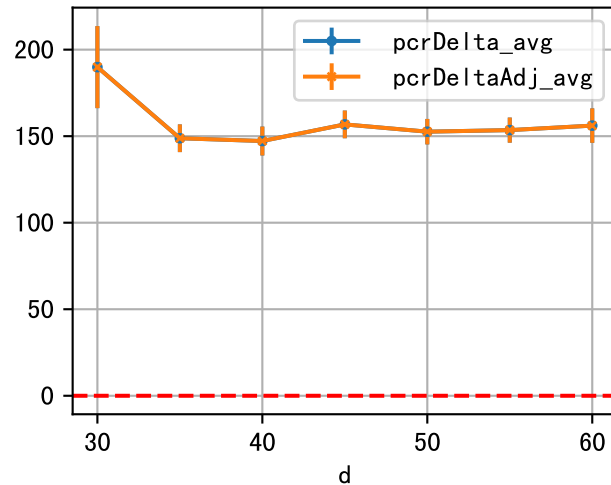
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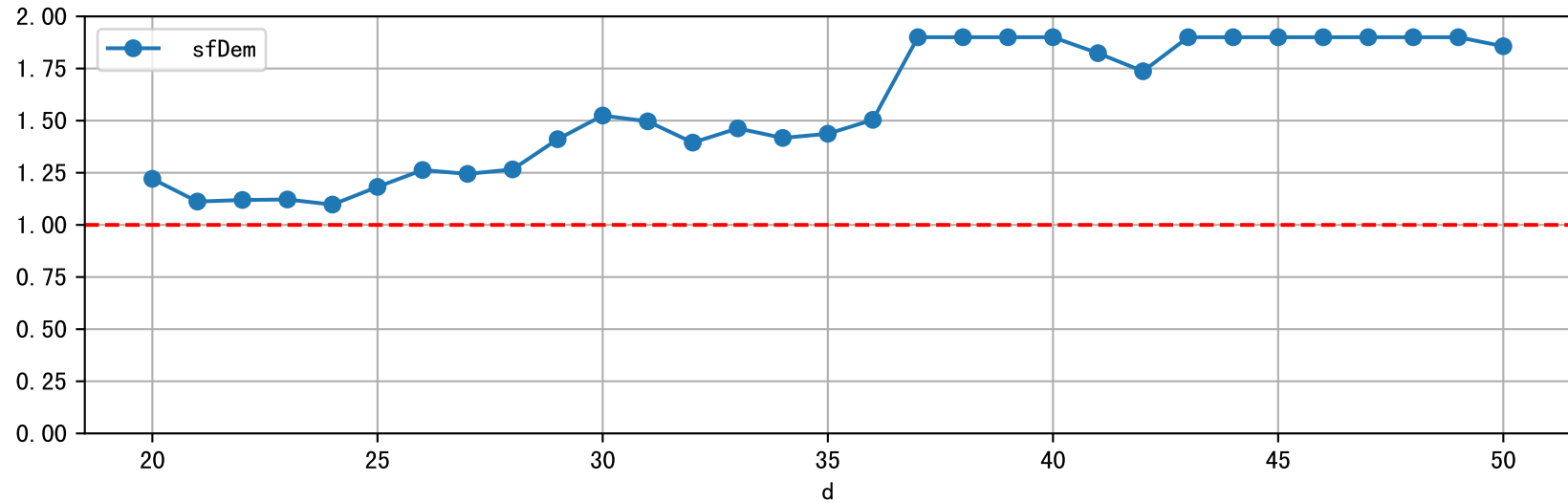
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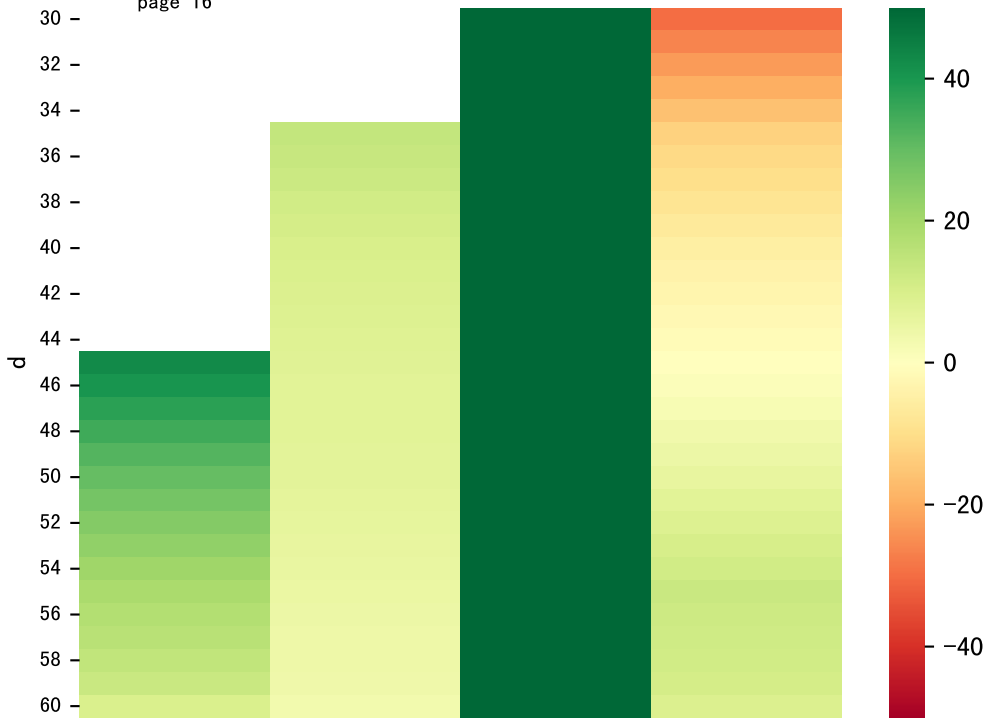


DeltaTypeAbbr=Wei AvgByD

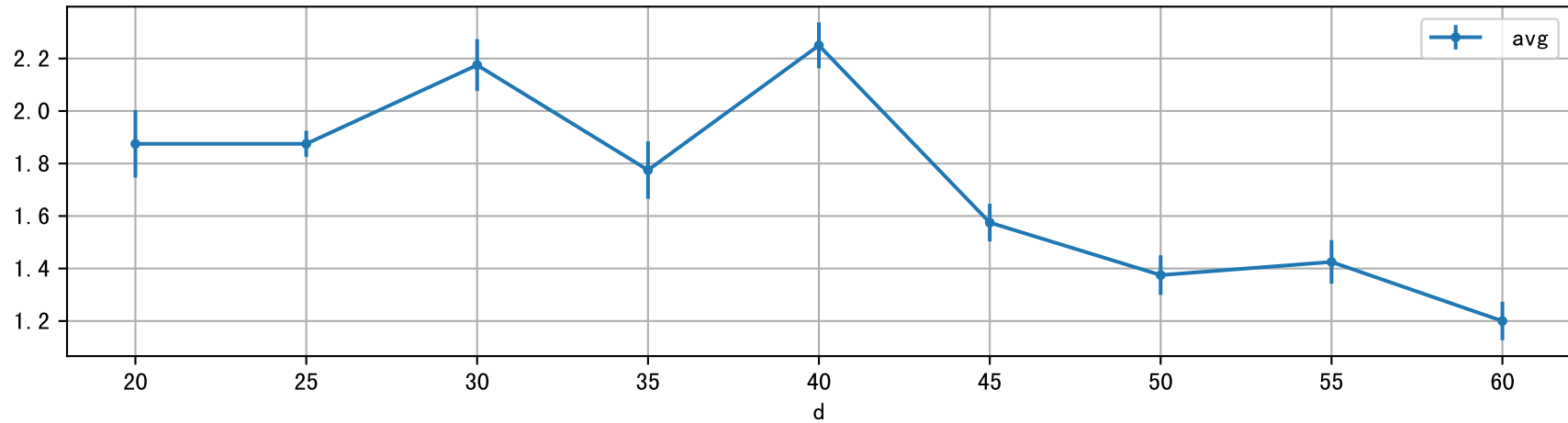


NdD: sfDem

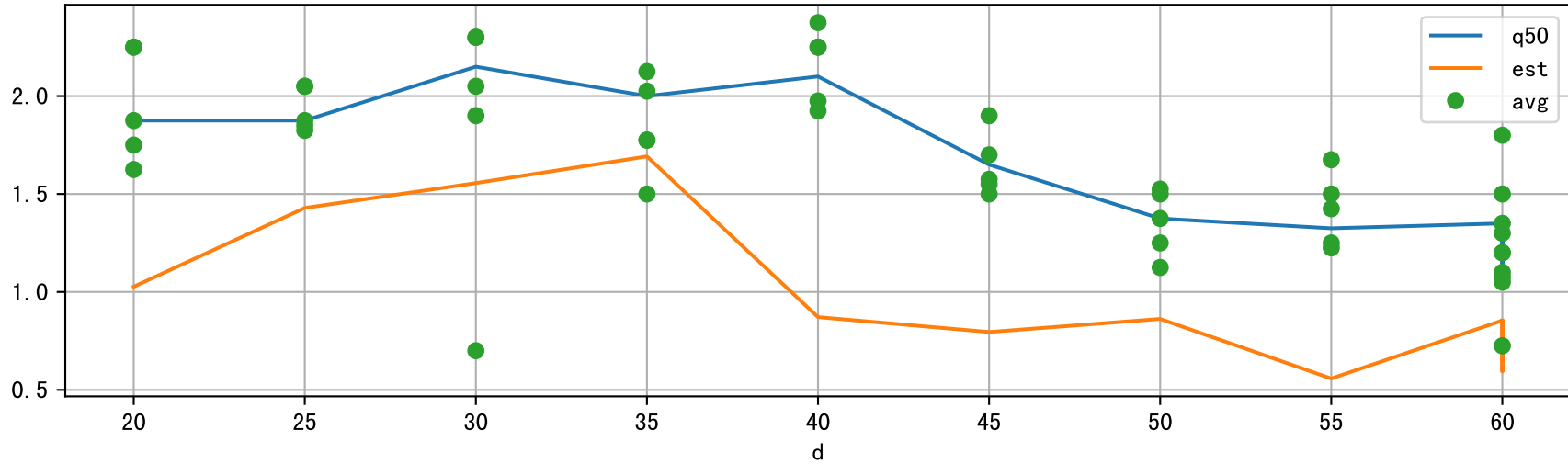




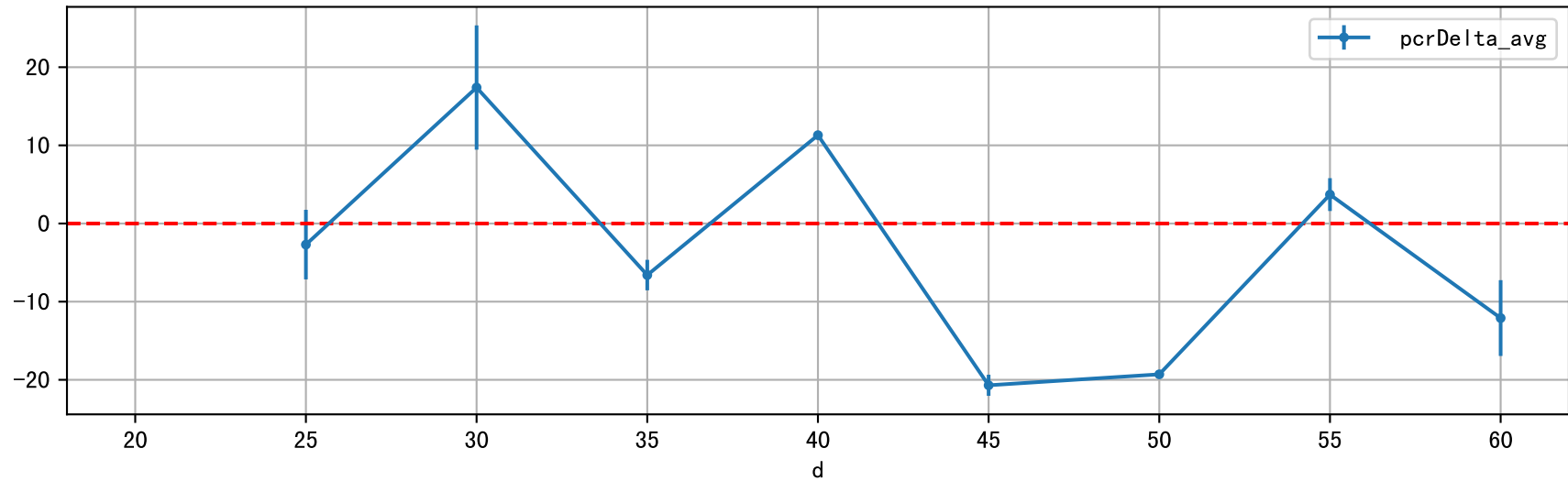
dStH: avg vs. d



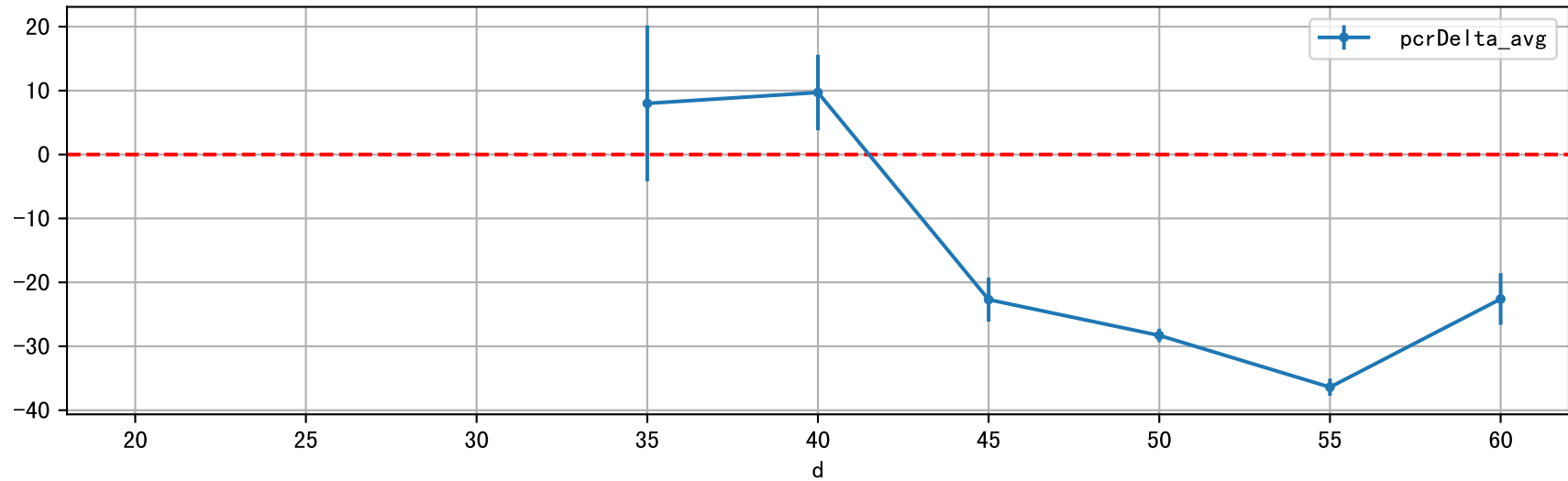
dStH: obsAvg vs obs0v@Q50



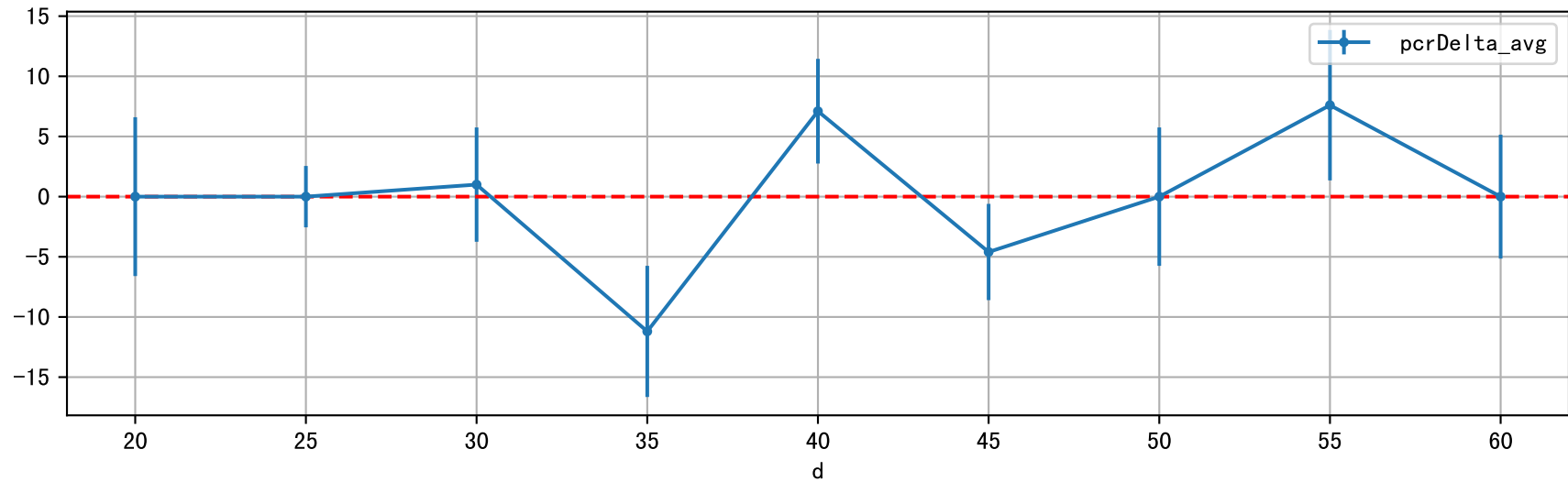
dStH: D\_5d\_StH



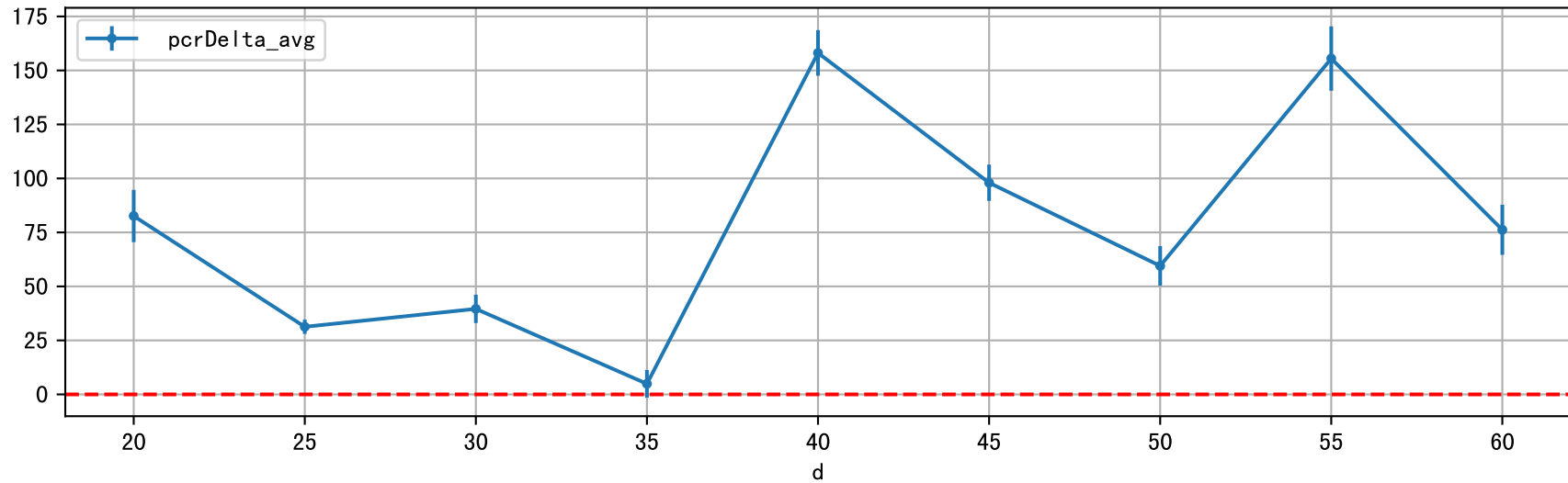
dStH: D\_15d\_StH



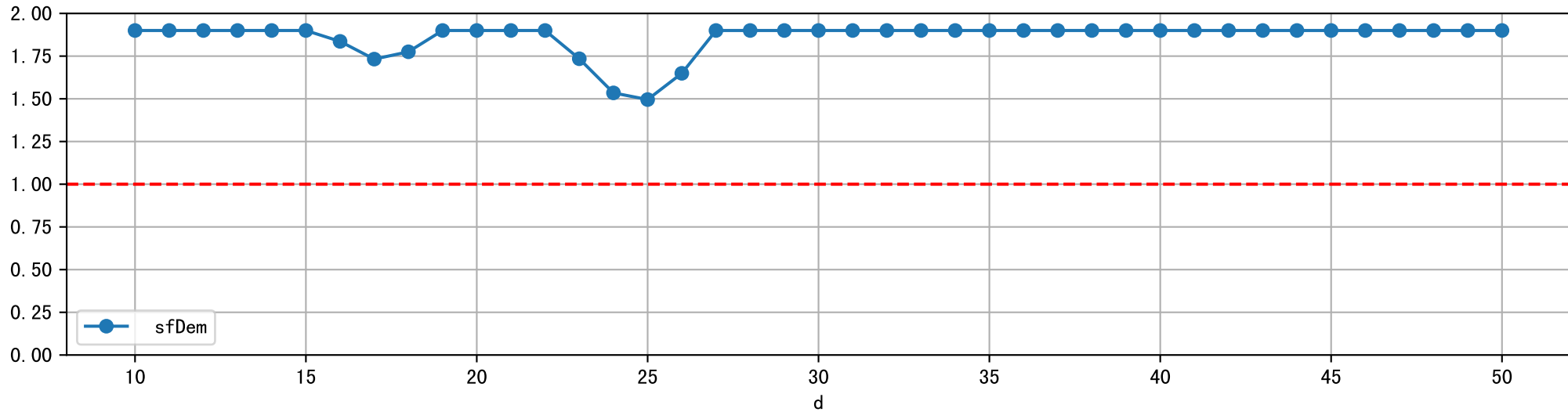
dStH: D\_Q50\_StH

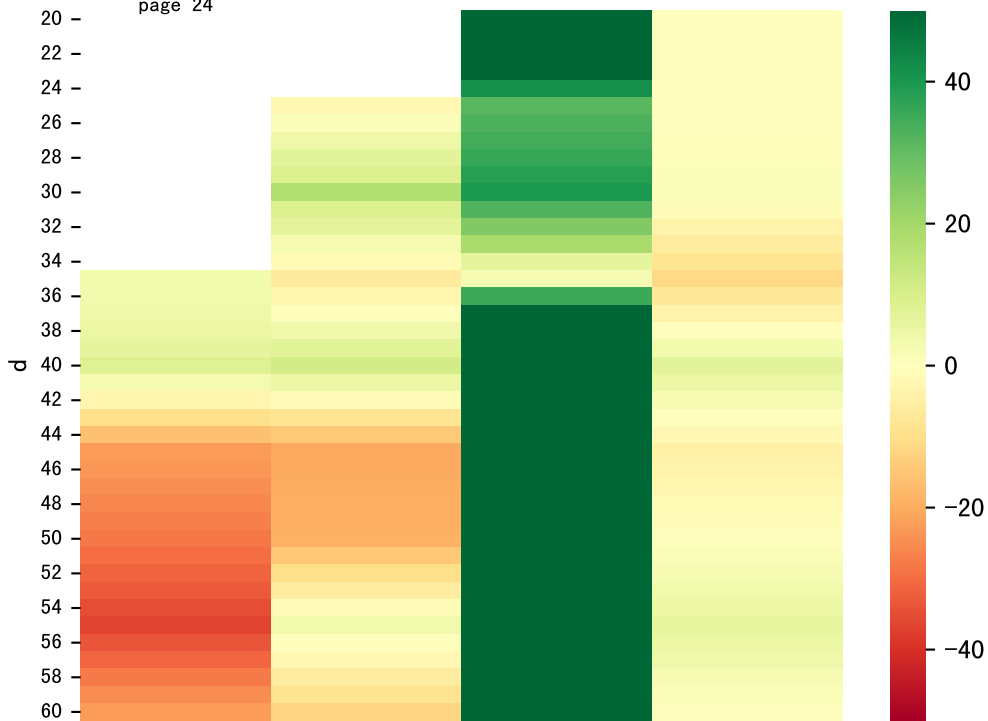


dStH: D\_Est\_StH



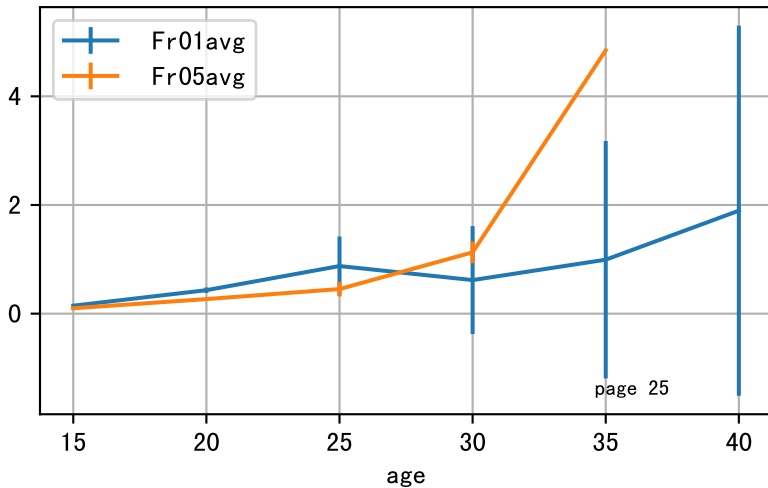
dStH: sfDem



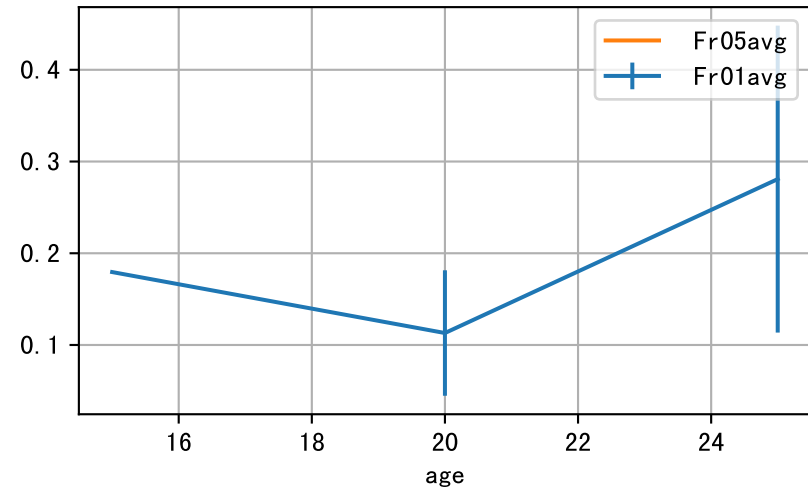


## FrV: Fr01 vs Fr05 at each truss

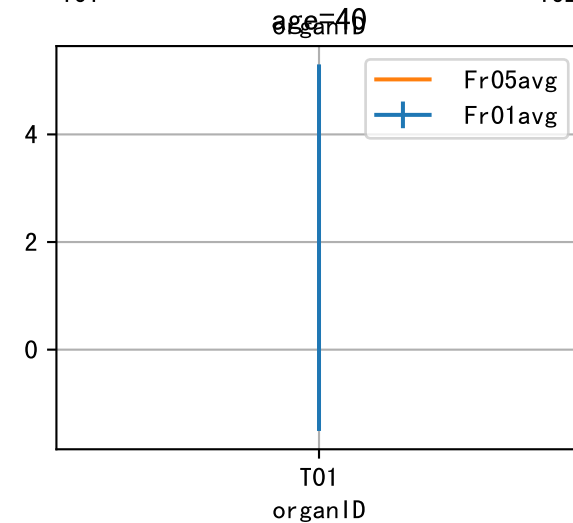
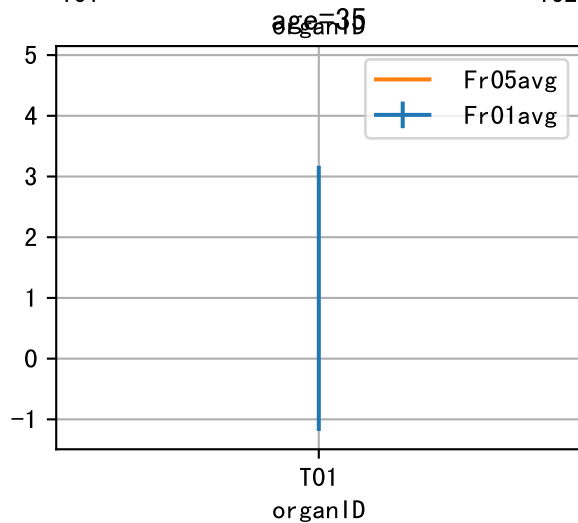
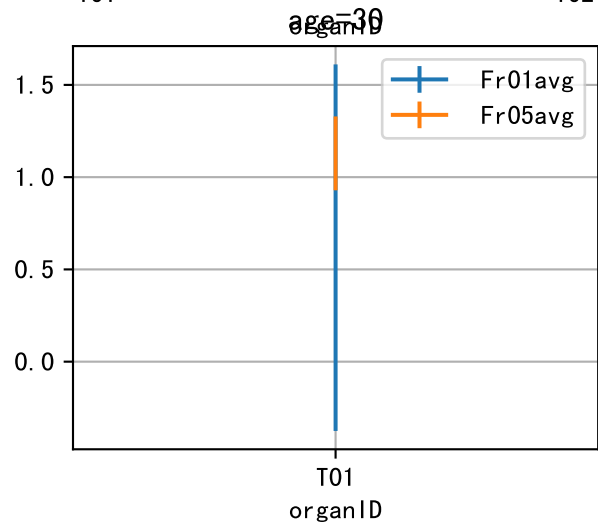
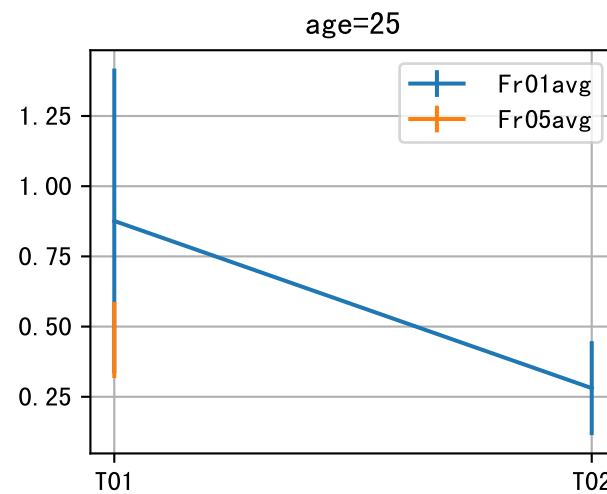
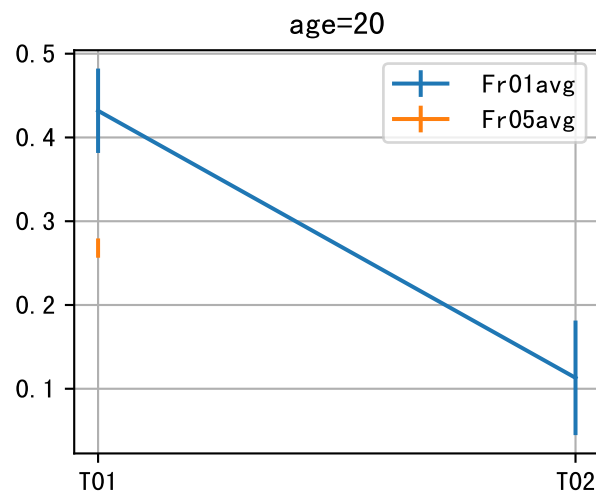
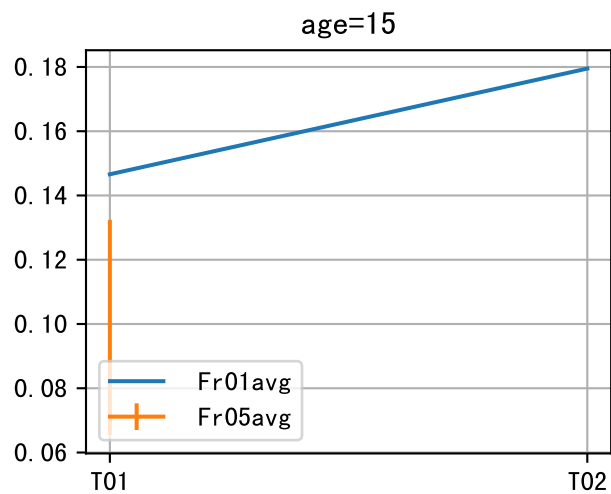
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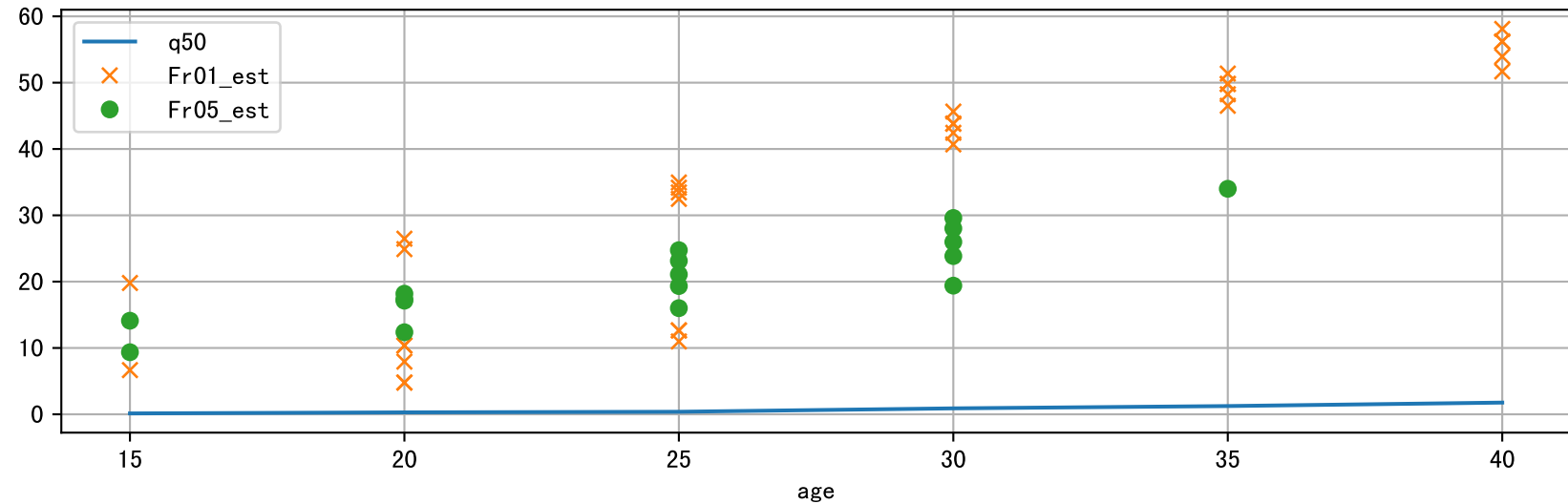
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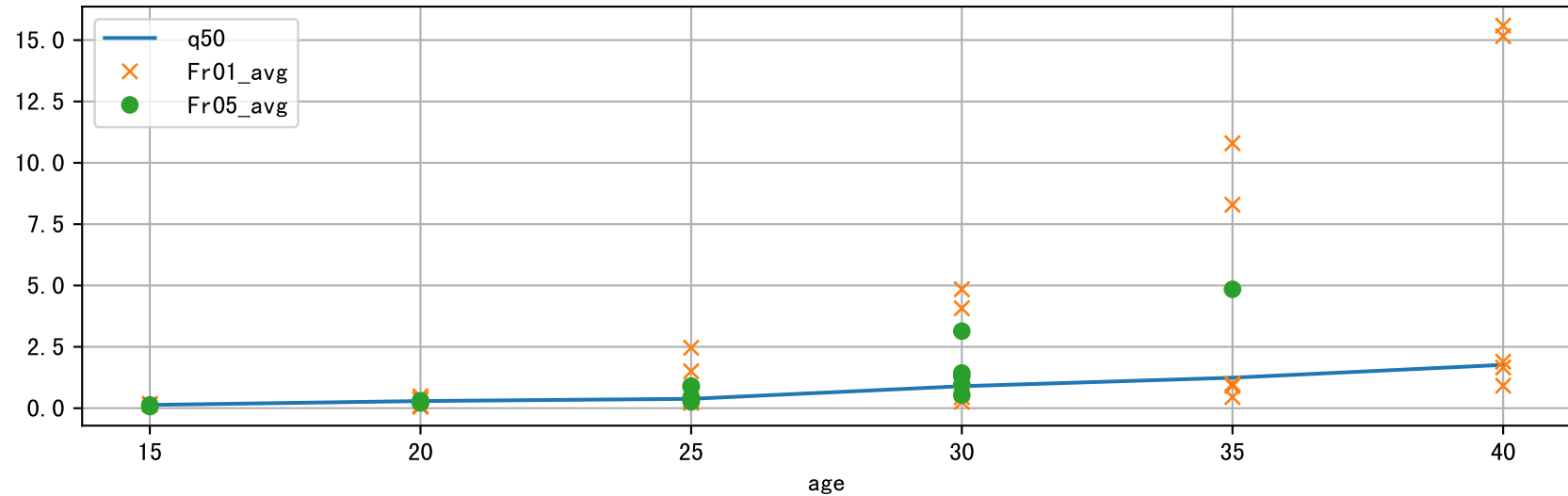
# FrV trend at each age



FrV: model Est vs obsFrV at Q90

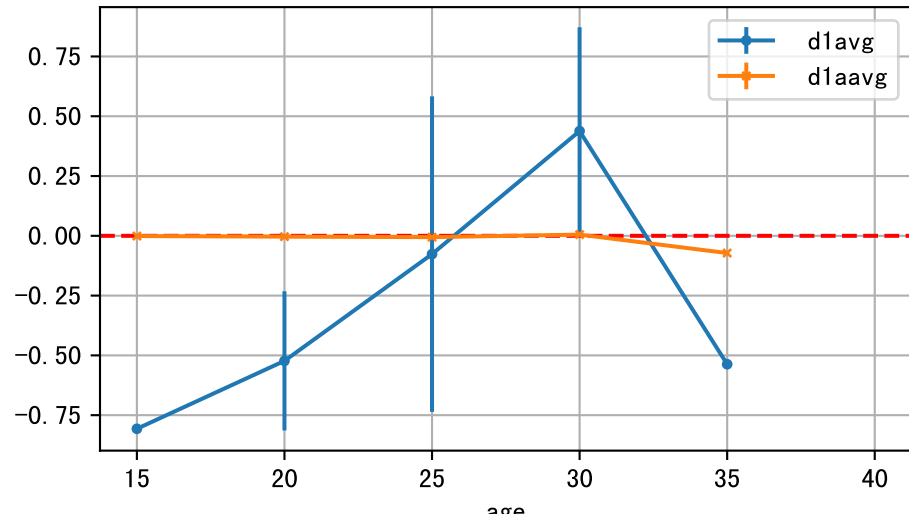


FrV: obsFrV vs obsFrV@Q90

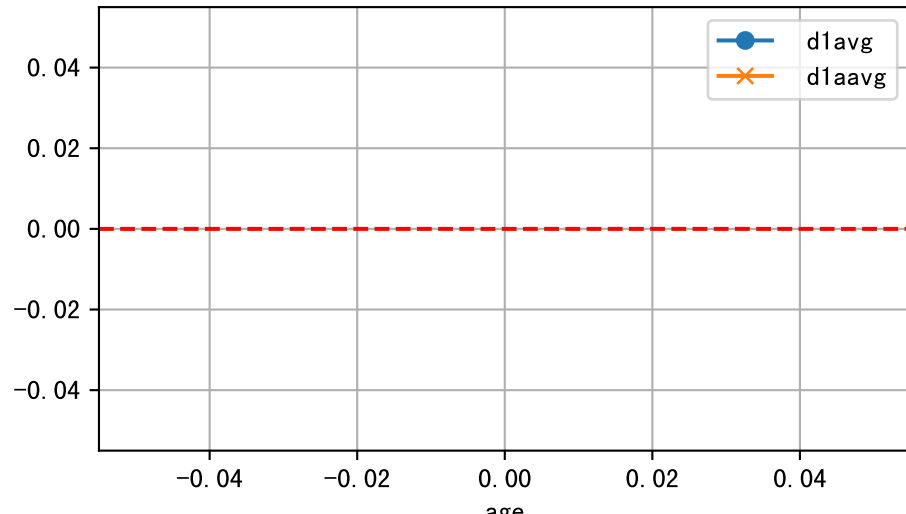


FrV: D\_Fr1\_FrV

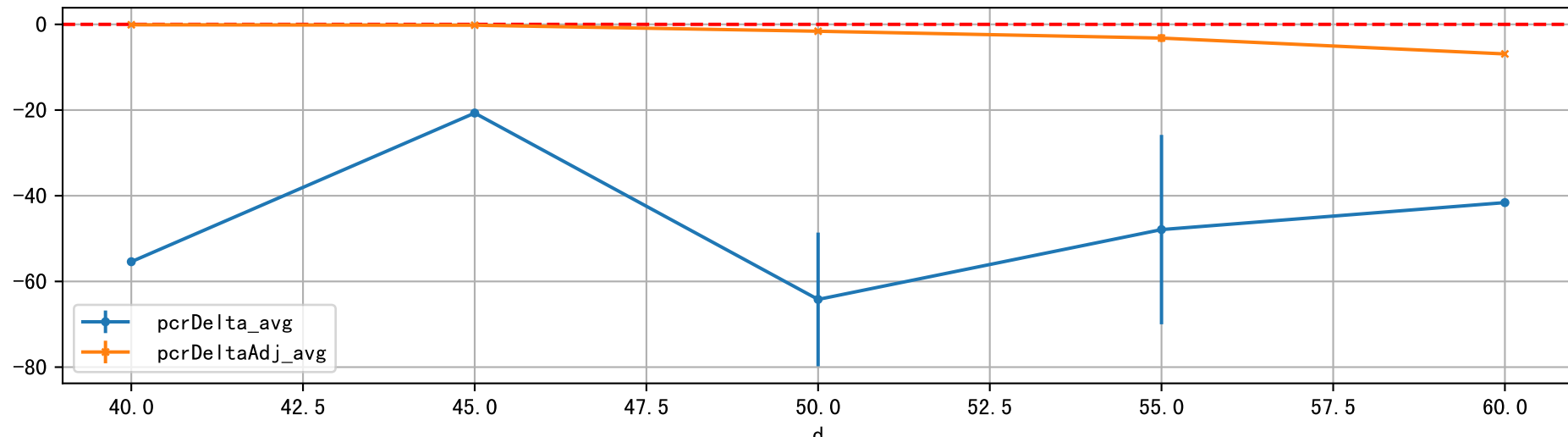
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organID=2

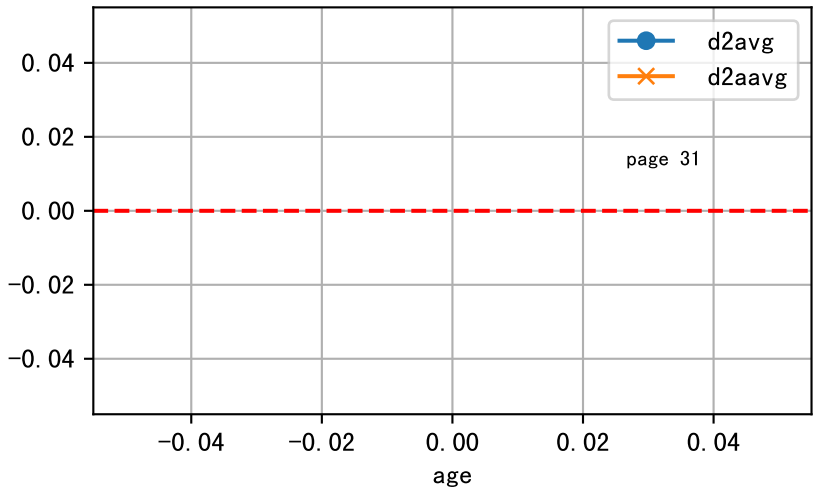


P10AE FrV: D\_Fr1\_FrV

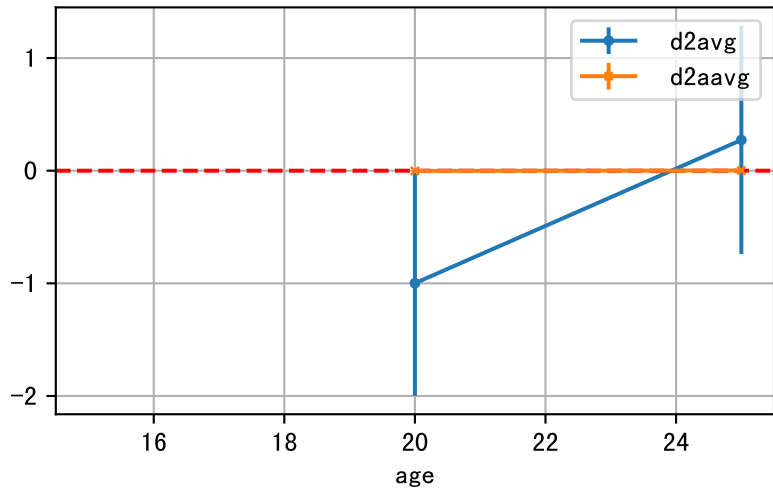


## FrV: D\_Ts\_FrV

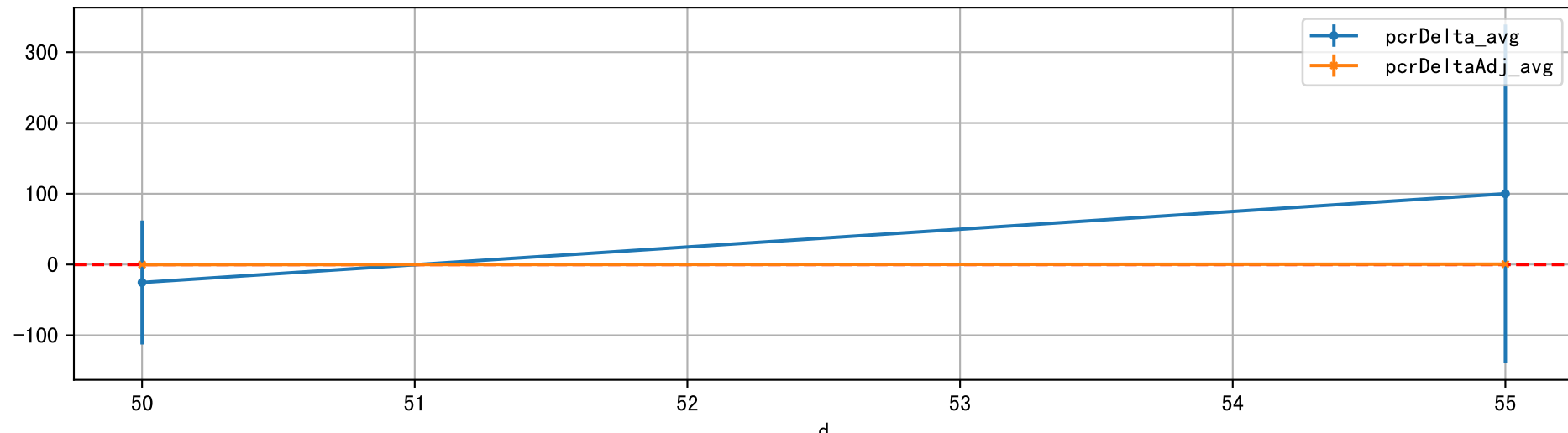
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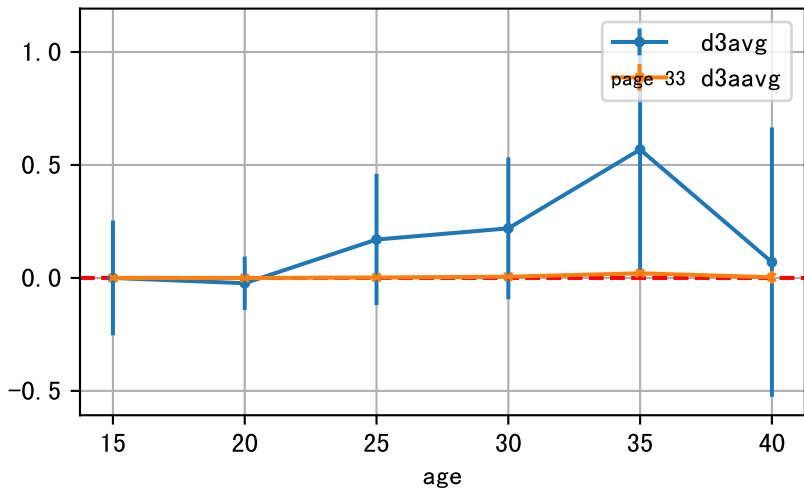
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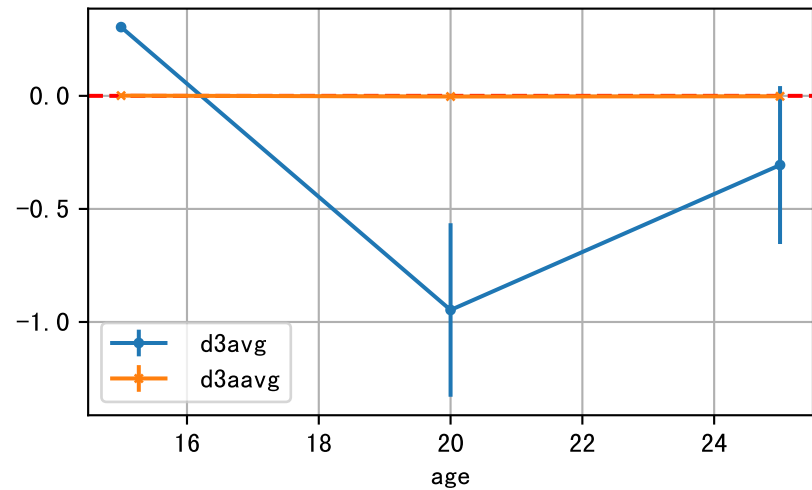
P10AE FrV: D\_Ts\_FrV



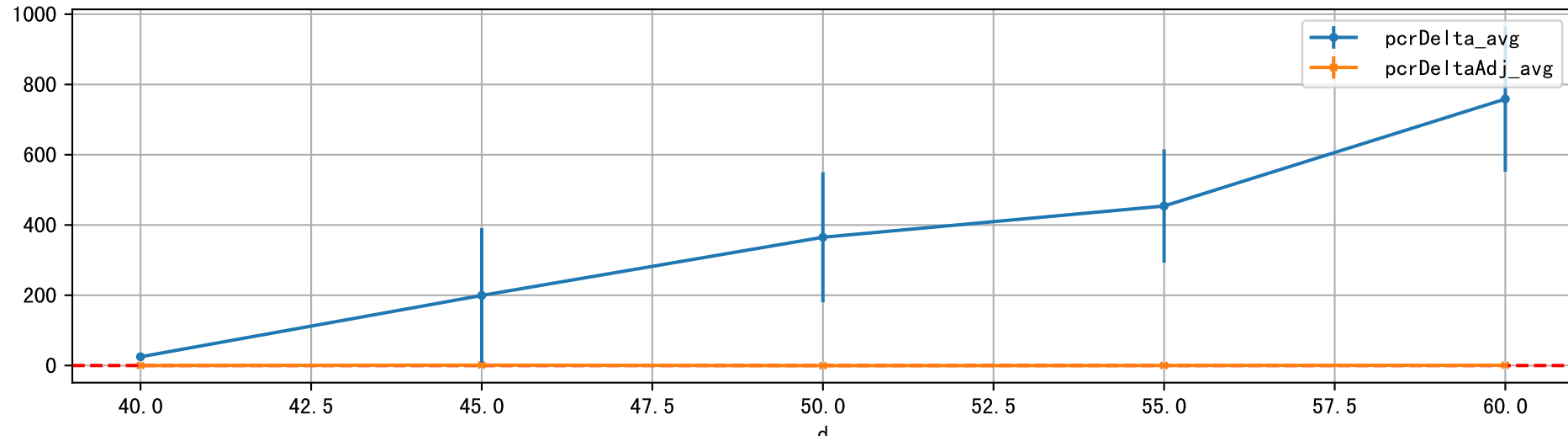
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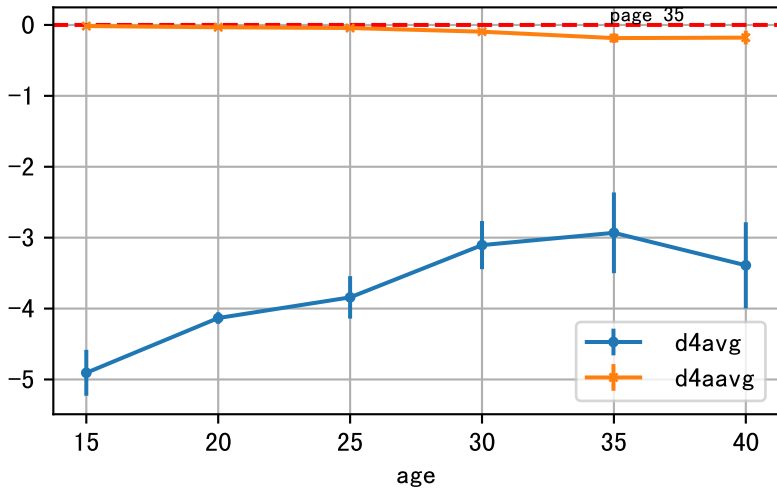
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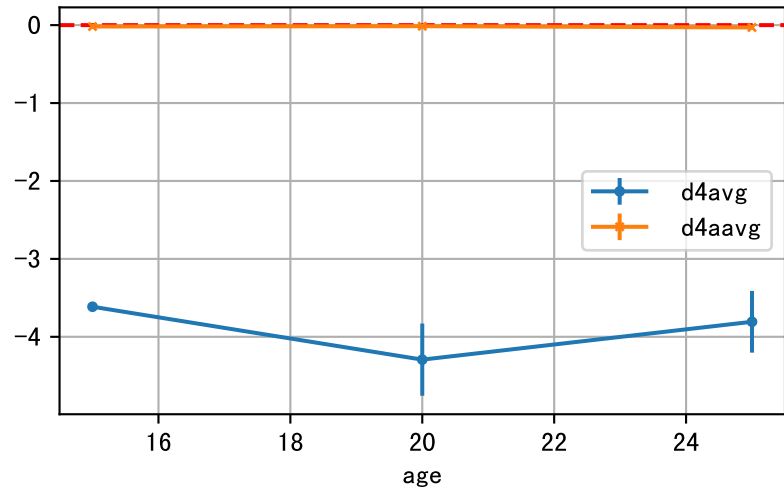
P10AE FrV: D\_Q50\_FrV



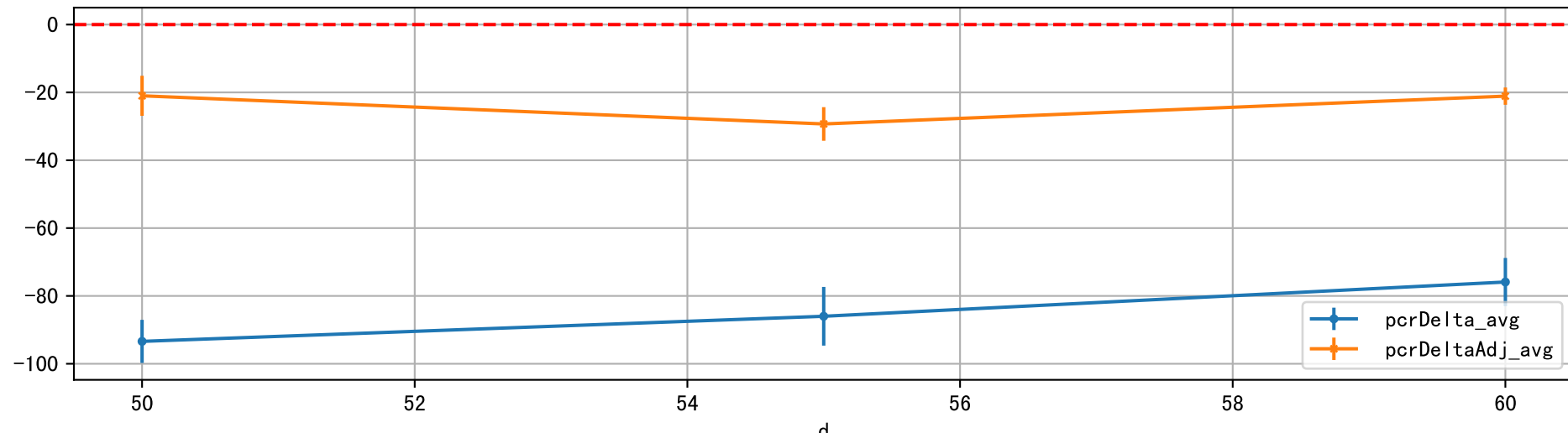
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P10AE FrV: D\_Est\_FrV



P10AE FrV: sfDem

