

Phenotype Data Analysis Plots  
PhenoData day range = 18 - 102  
Analysis cutoff day = 102  
NC11 P10  
2026-01-29 (Day 103)

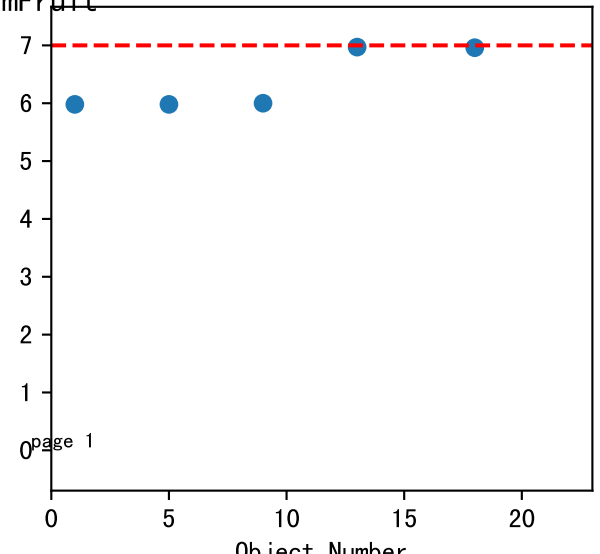
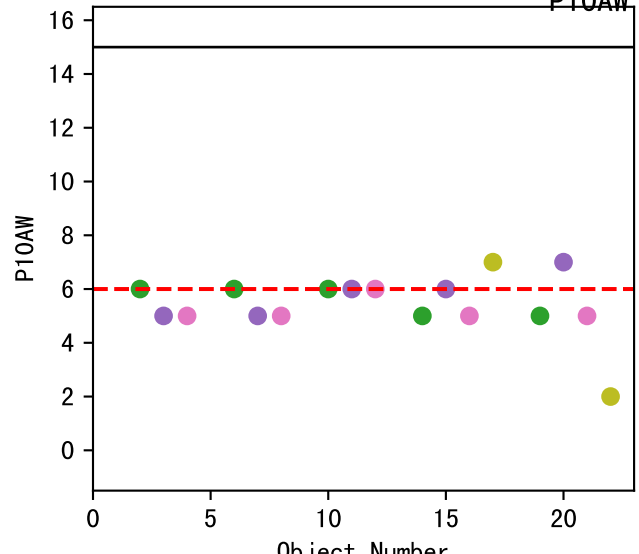
avg1=0.00% avg2=na  
P10AW TrimTruss



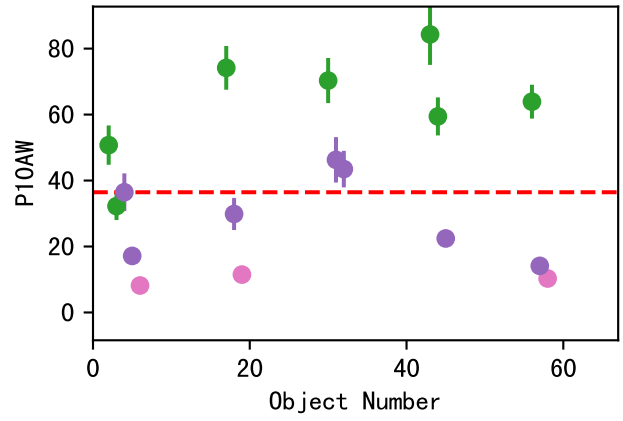
avg1=6.0 13% avg2=na

P10AW TrimFruit

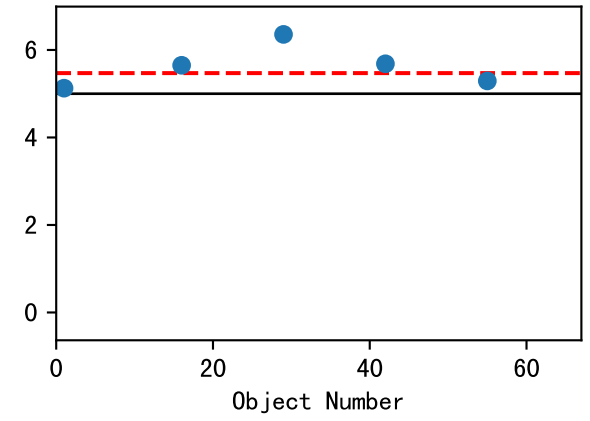
avg1=7.0 8% avg2=na



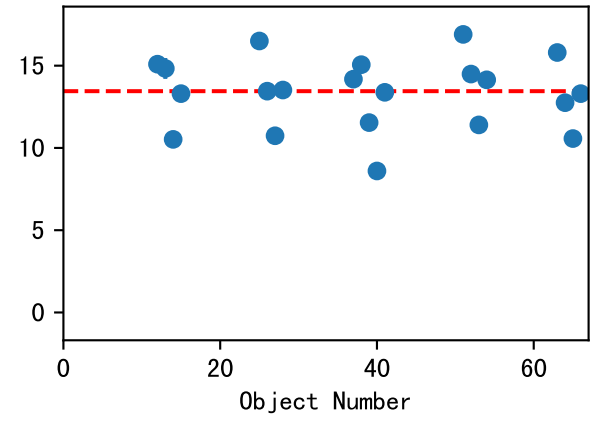
FRV\_avgAbsY (Def=na Set=36.45)  
avg1=36.45~67% avg2=na



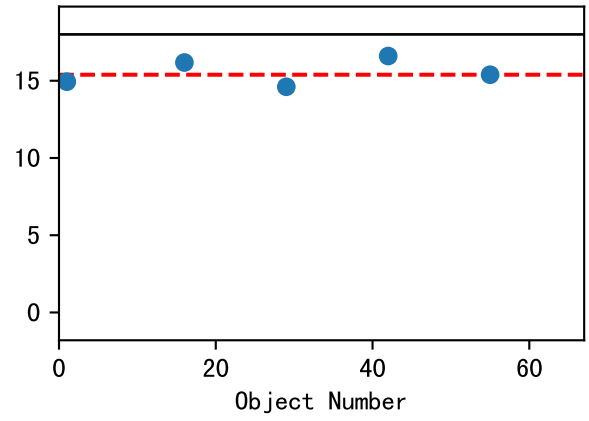
NdL\_Q90AbsY (Def=5 Set=5.47)  
avg1=5.47~5% avg2=na



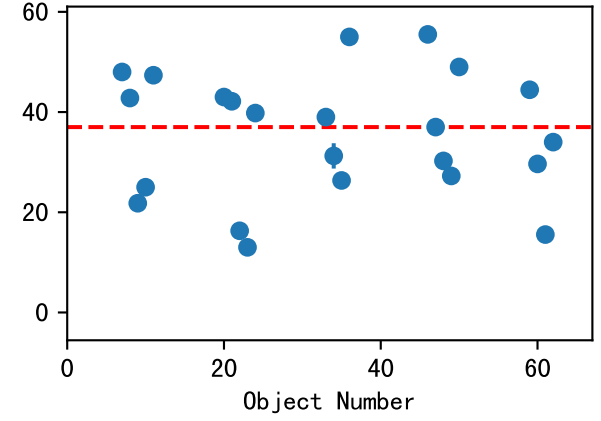
NdD\_avgAbsY (Def=na Set=13.45)  
avg1=13.45~16% avg2=na



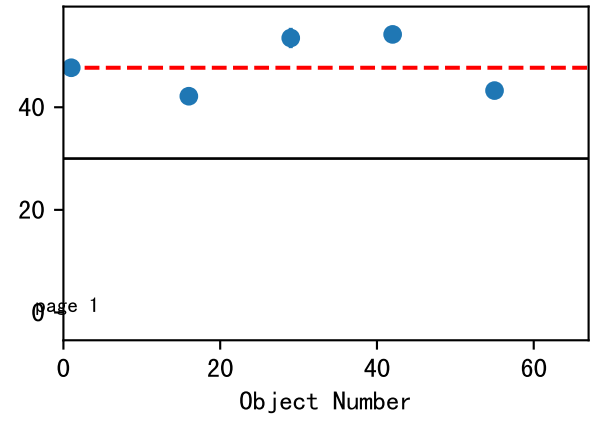
NdD\_Q90AbsY (Def=18 Set=15.39)  
avg1=15.39~5% avg2=na



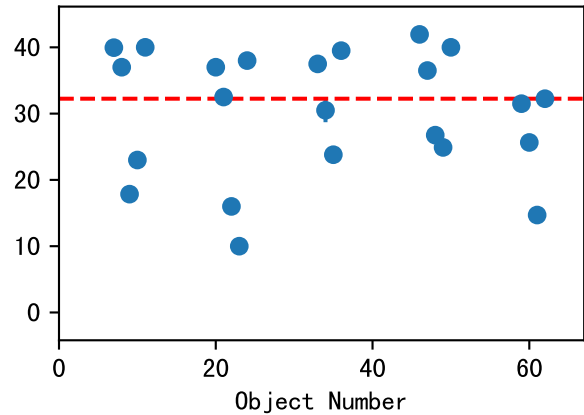
LfW\_avgAbsY (Def=na Set=37.0)  
avg1=37.0~33% avg2=na



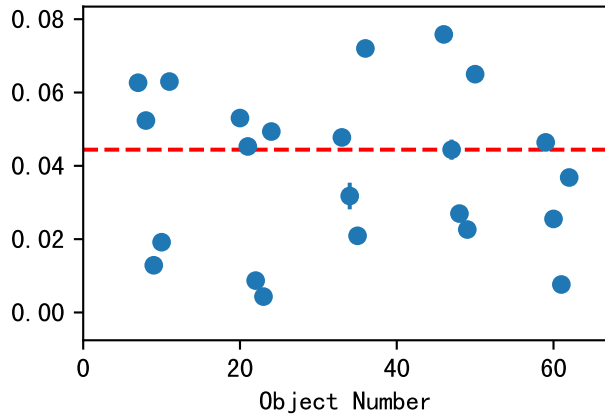
LfW\_Q90AbsY (Def=30 Set=47.7)  
avg1=47.7~12% avg2=na



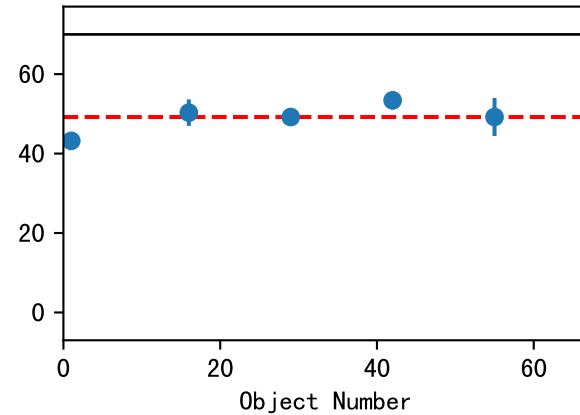
LTL\_avgAbsY (Def=na Set=32.25)  
avg1=32.25~29% avg2=na



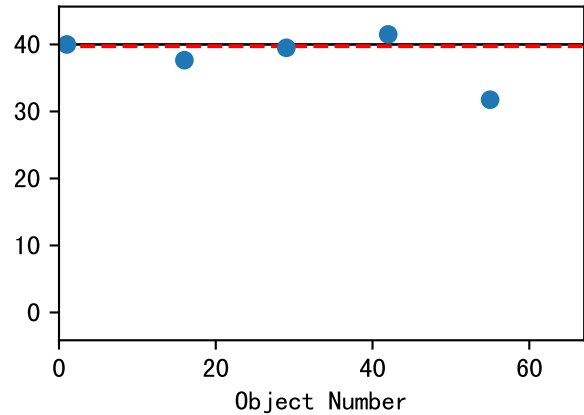
LTA\_avgAbsY (Def=na Set=0.04)  
avg1=0.04~48% avg2=na



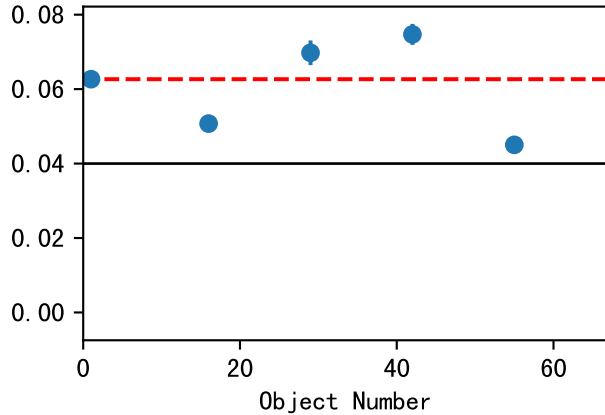
FRD\_Q90AbsY (Def=70 Set=49.2)  
avg1=49.2~1% avg2=na



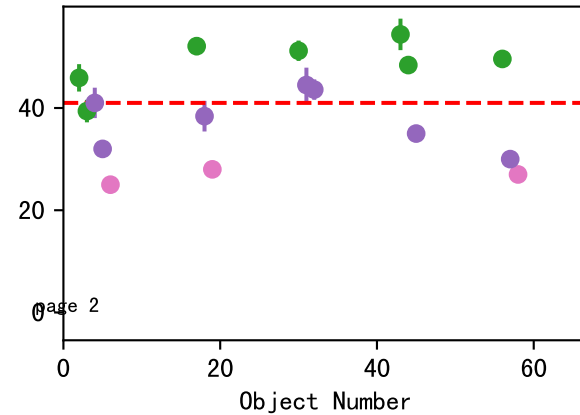
LfL\_Q90AbsY (Def=40 Set=39.75)  
avg1=39.75~4% avg2=na



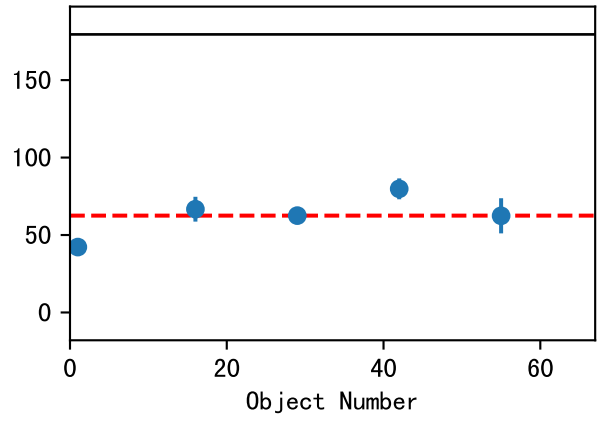
LfA\_Q90AbsY (Def=0.04 Set=0.06)  
avg1=0.06~20% avg2=na



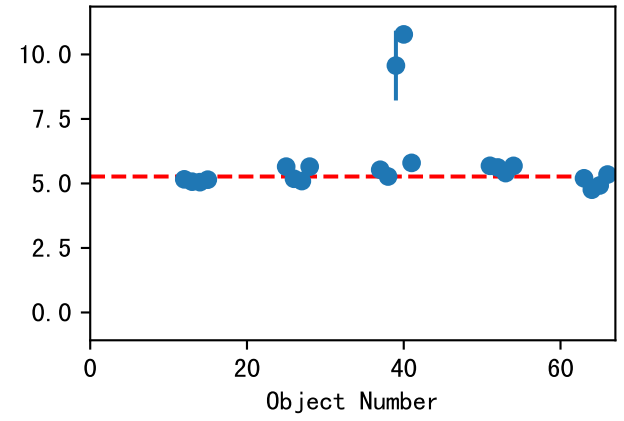
FrD\_avgAbsY (Def=na Set=41.0)  
avg1=41.0~23% avg2=na



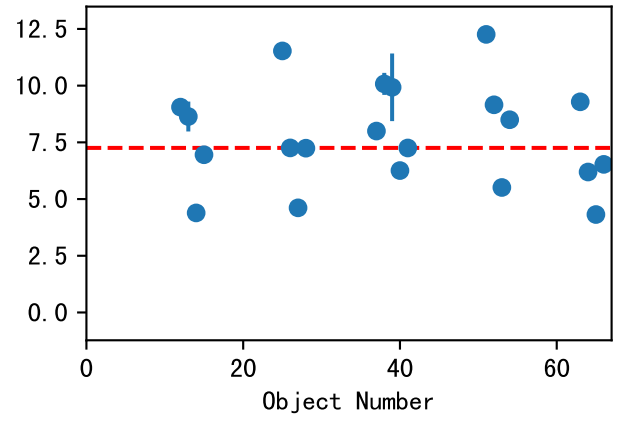
Prv\_Q90AbsY (Def=179.5 Set=179.5)  
avg1=62.52~4% avg2=na



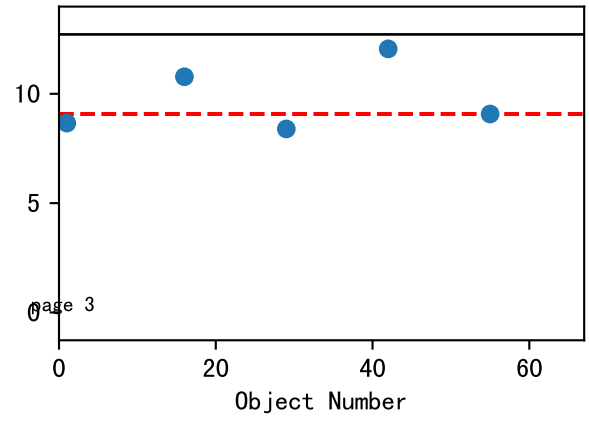
NdL\_avgAbsY (Def=na Set=3.27)  
PaOAV5P27~6% Set=na



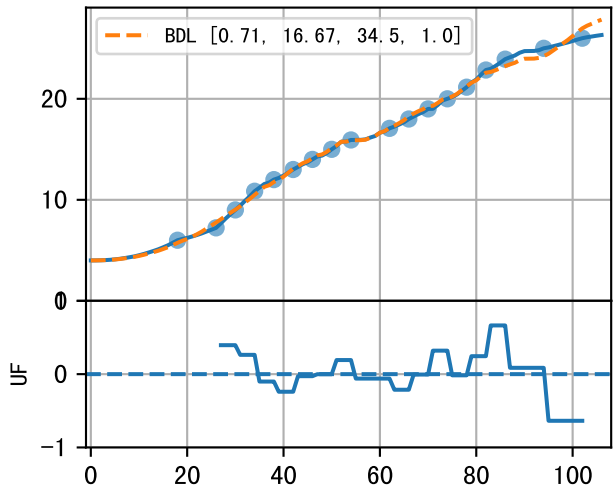
Ndv\_avgAbsY (Def=na Set=7.20)  
avg1=7.26~30% avg2=na



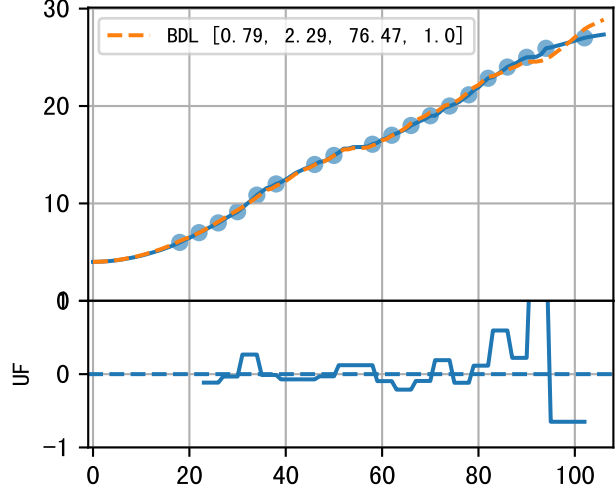
NdV\_Q90AbsY (Def=12.72 Set=9.08)  
avg1=9.08~17% avg2=na



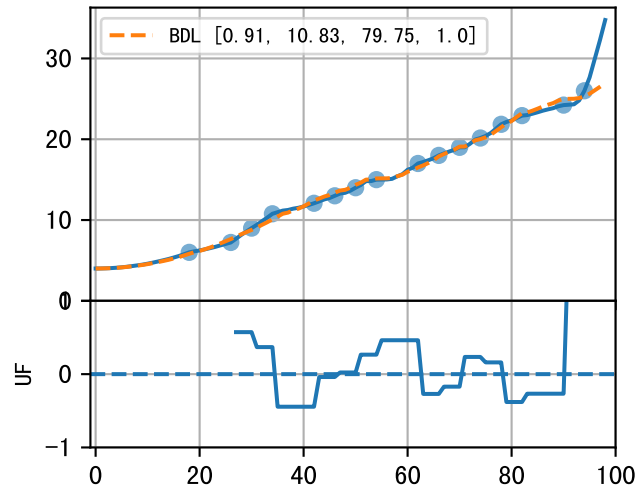
P10AW-004-12 (fit failed)



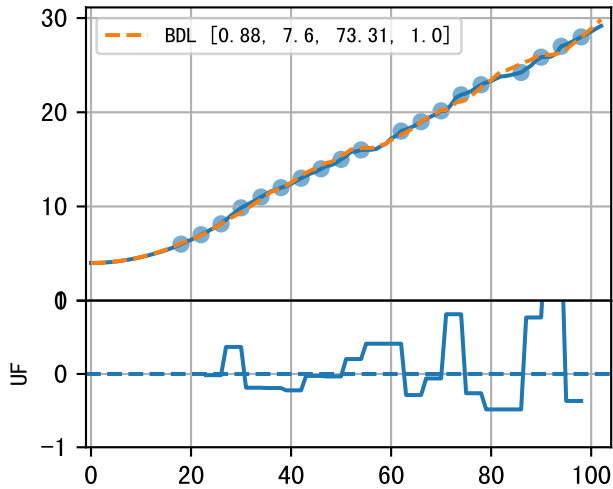
P10AW-010-25 (fit failed)



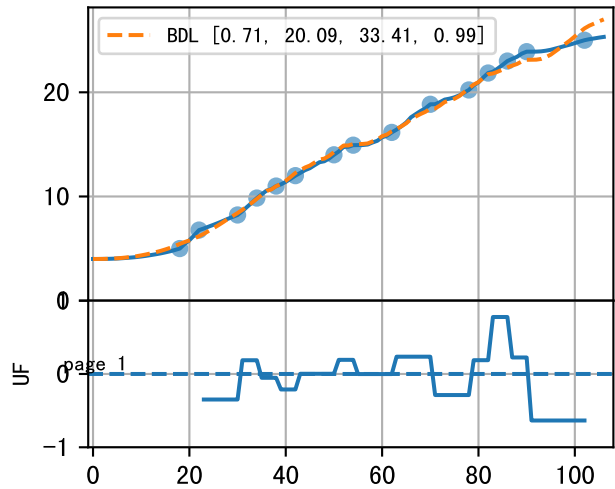
P10AW-017-16 (fit failed)



P10AW-025-3 (fit failed)

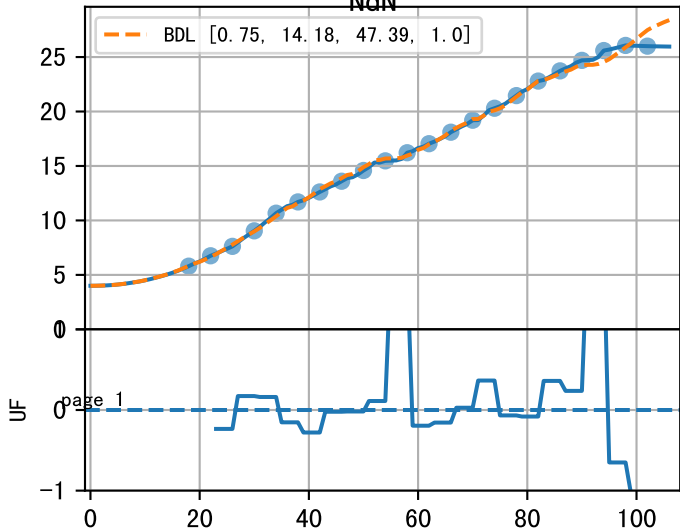


P10AW-032-33 (fit failed)

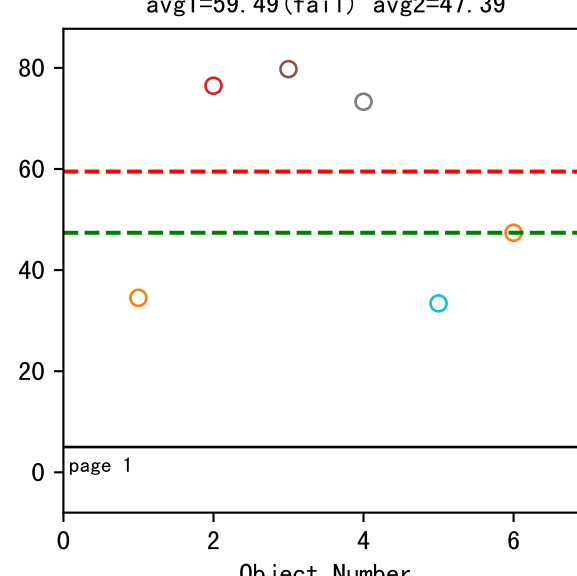
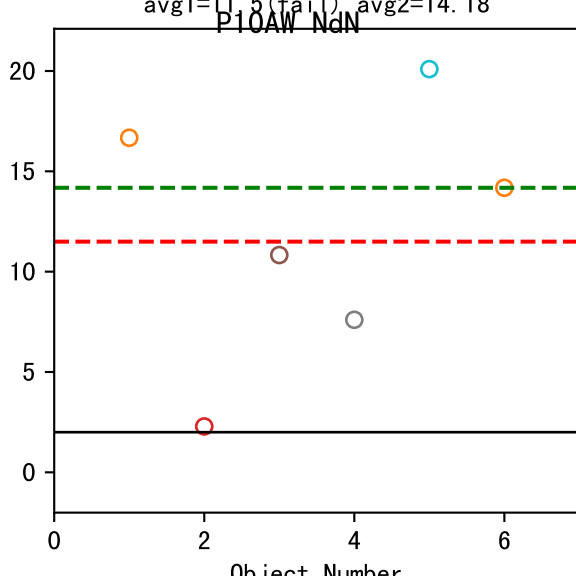
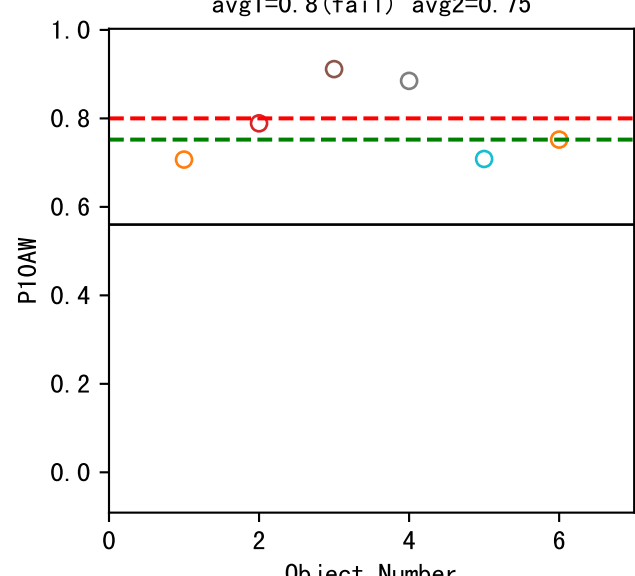


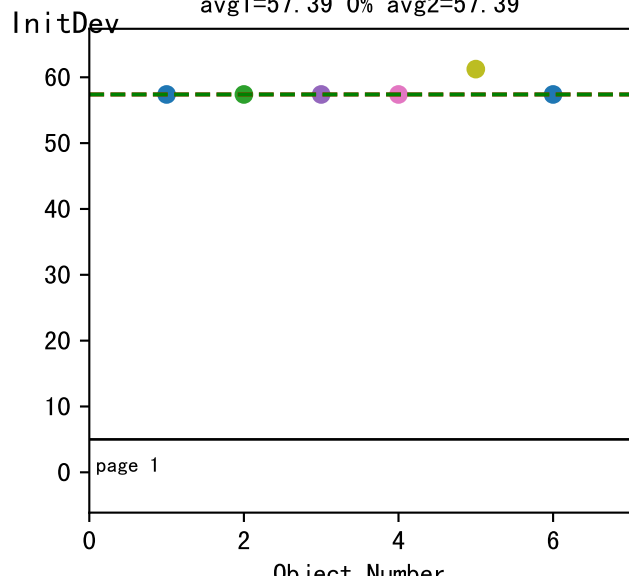
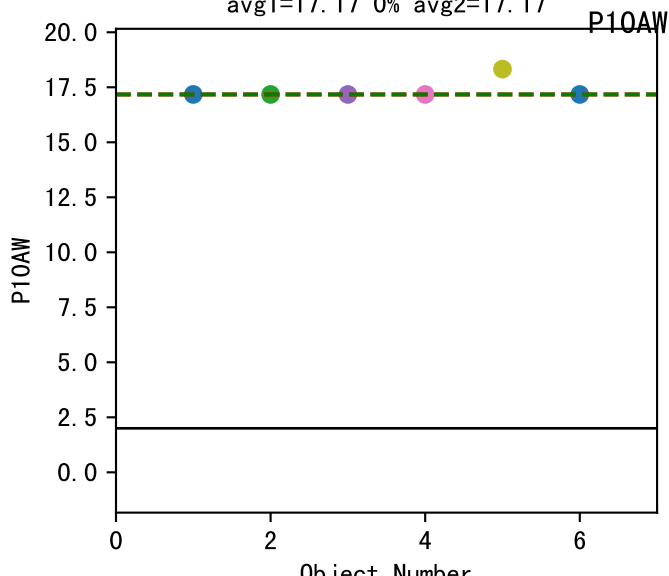
PIOWavg (left-tailed)  
NdN

BDL [0.75, 14.18, 47.39, 1.0]

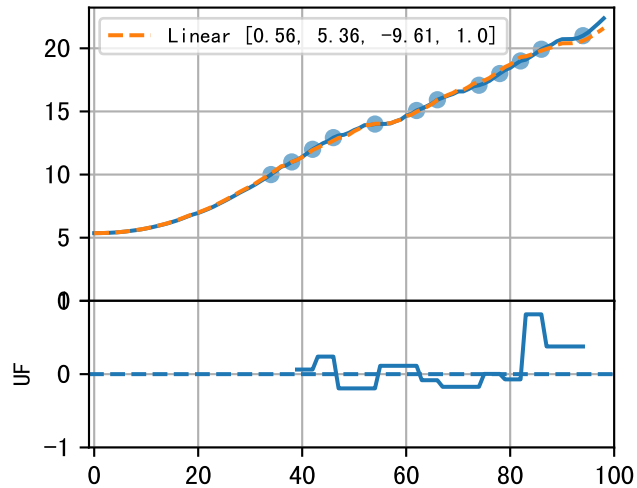


page 1

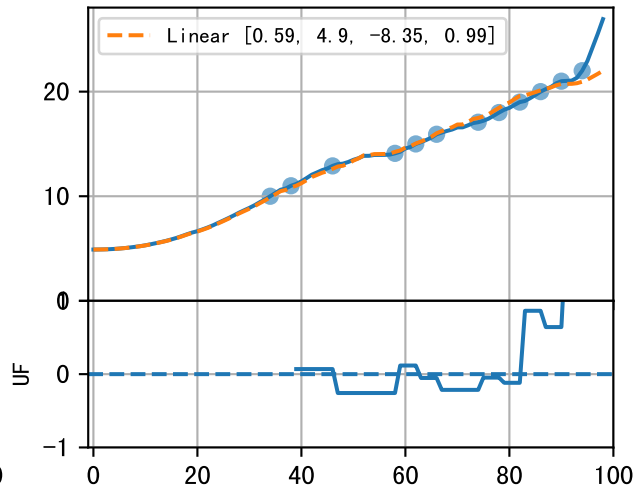




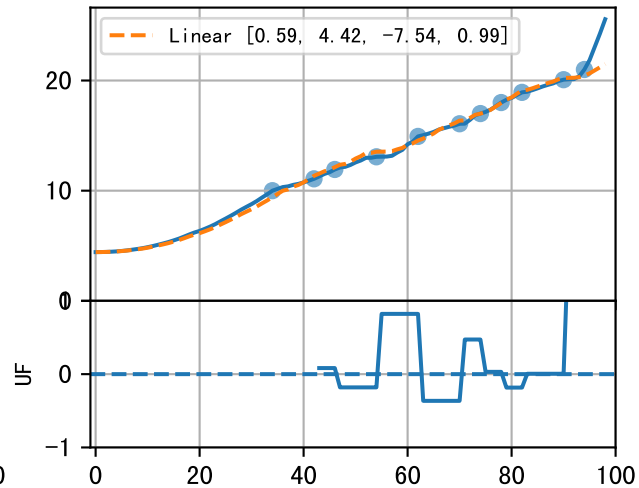
P10AW-004-12



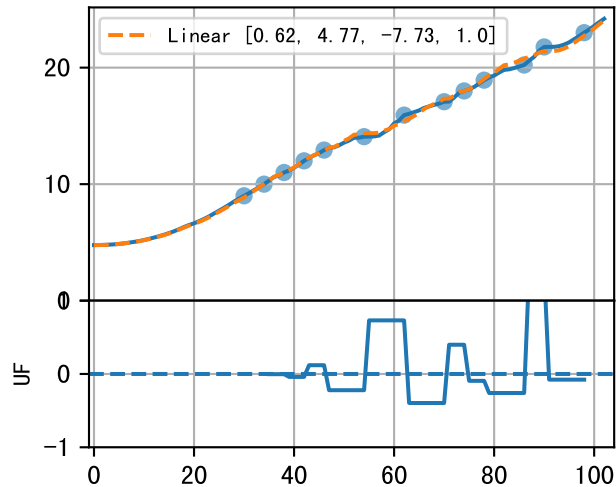
P10AW-010-25



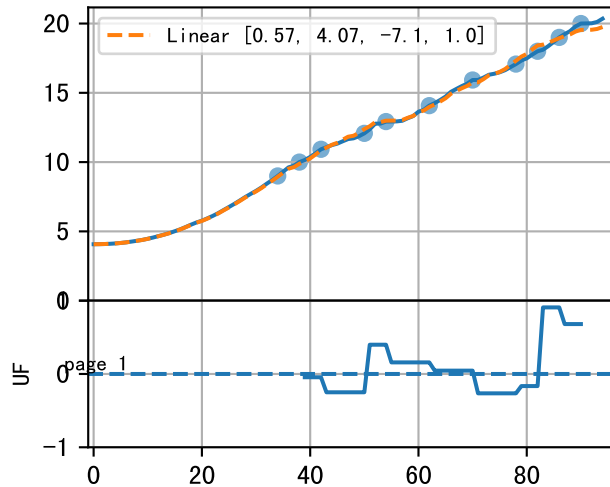
P10AW-017-16



P10AW-025-3

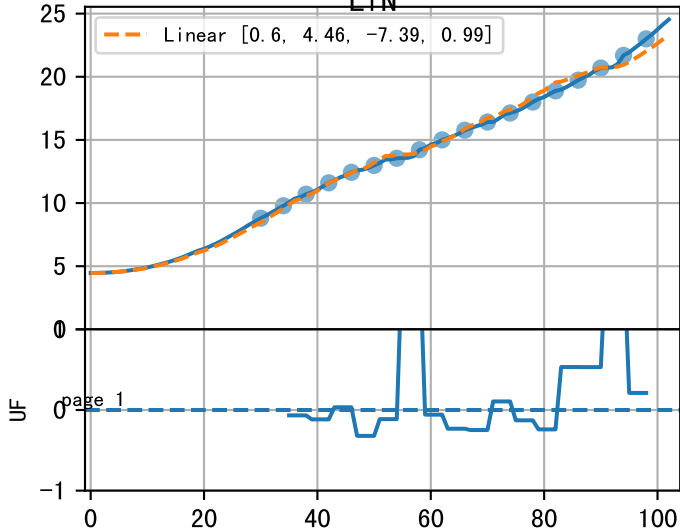


P10AW-032-33

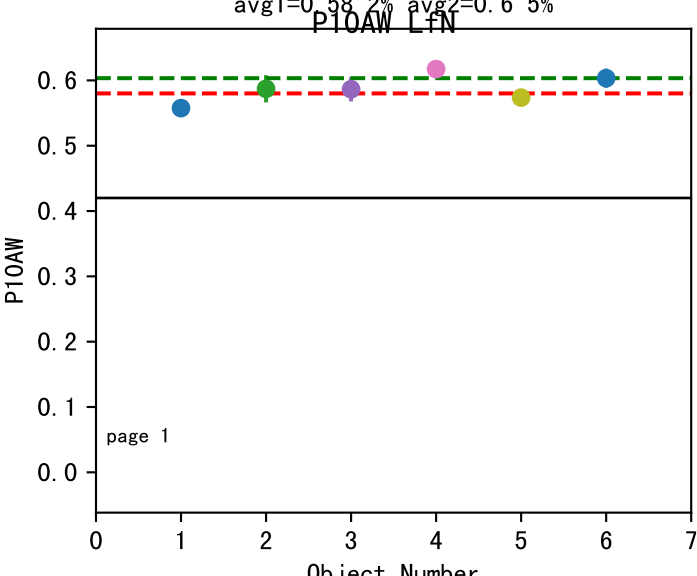


PTUavg  
Lfn

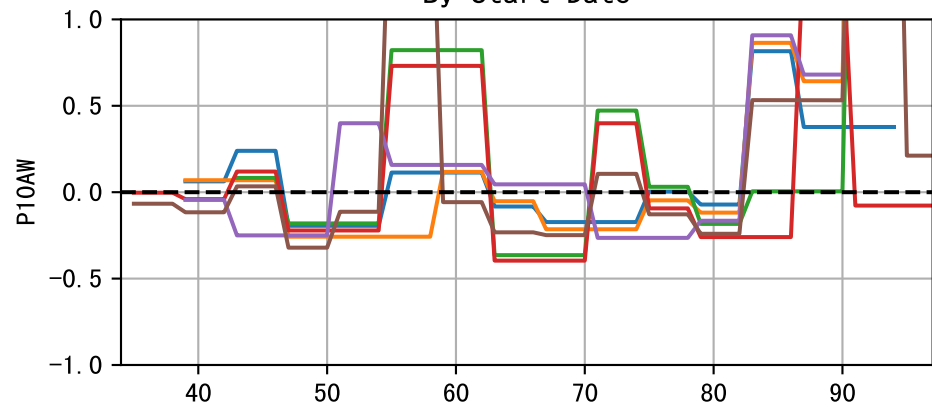
Linear [0.6, 4.46, -7.39, 0.99]



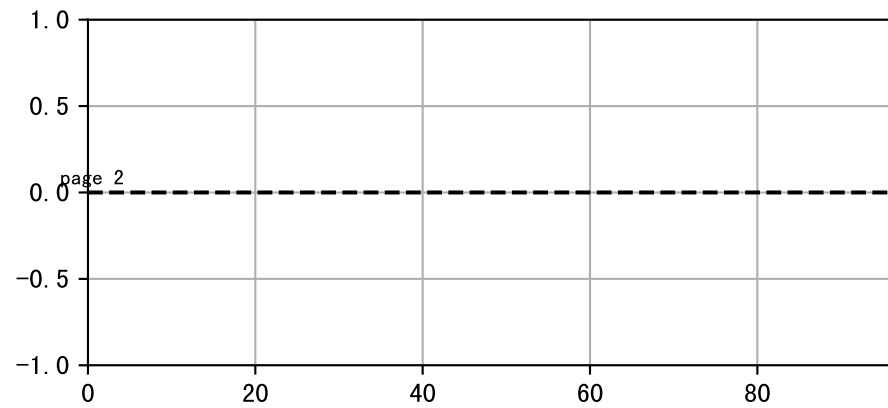
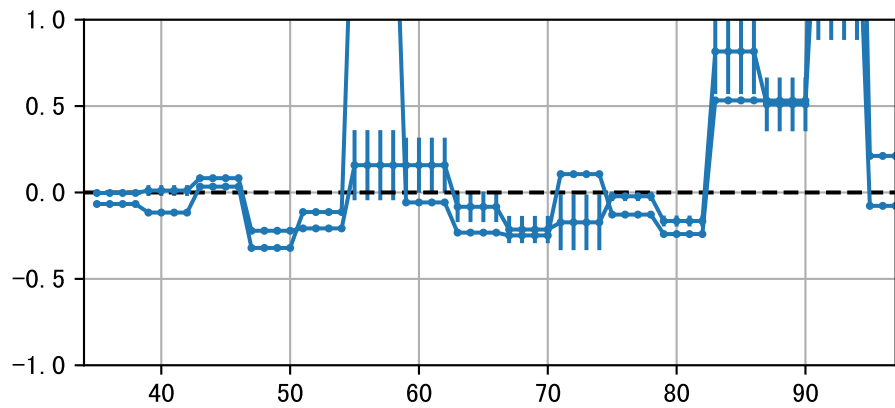
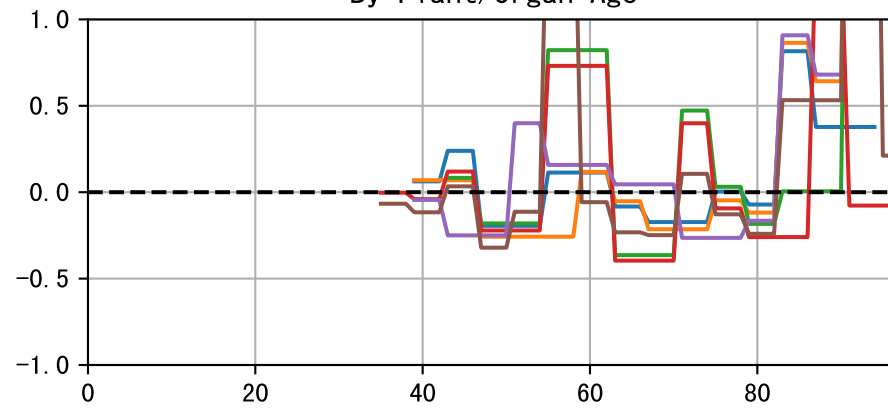
page 1



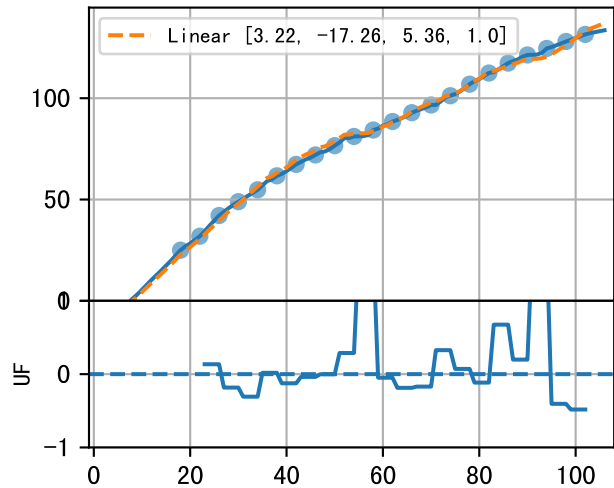
By Start Date



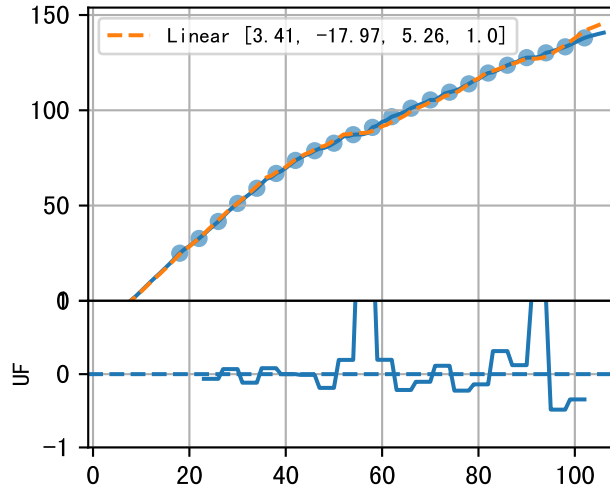
By Plant/Organ Age



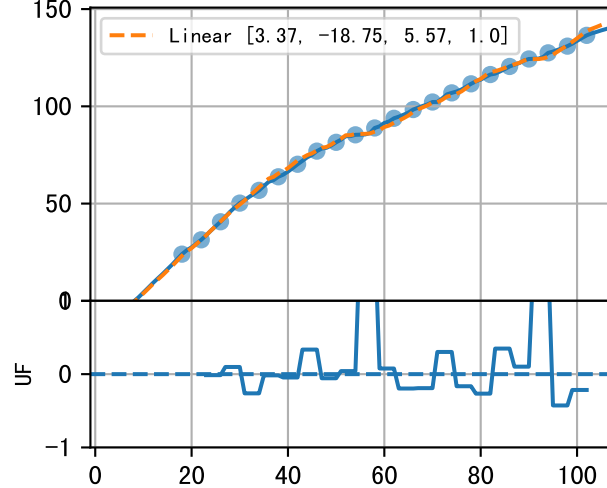
P10AW-004-12



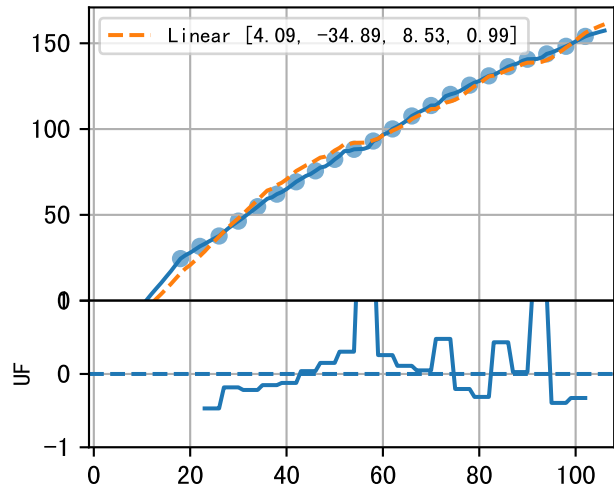
P10AW-010-25



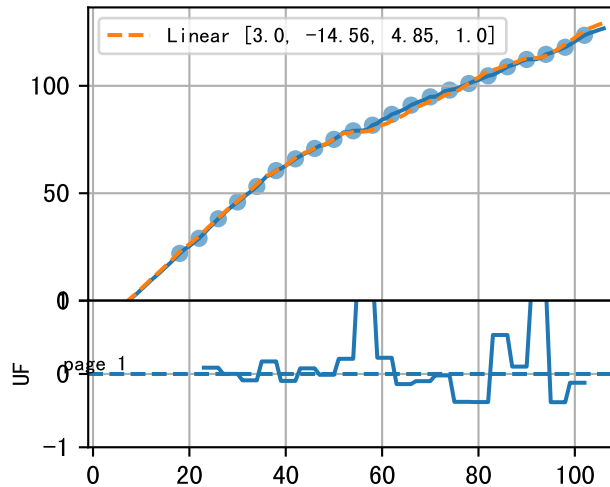
P10AW-017-16



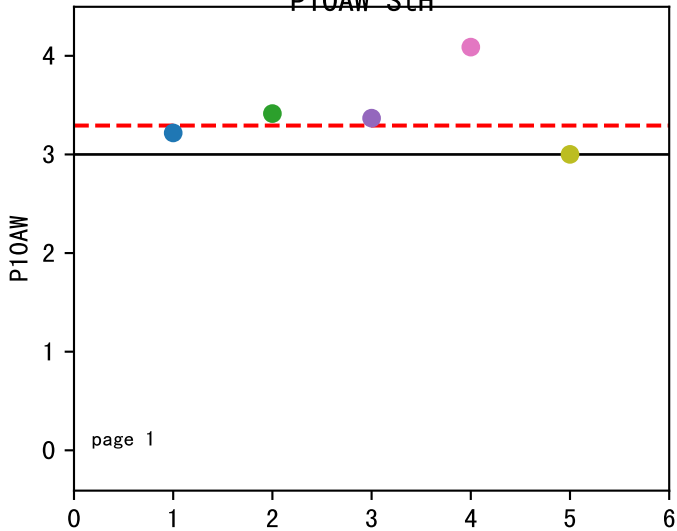
P10AW-025-3



P10AW-032-33

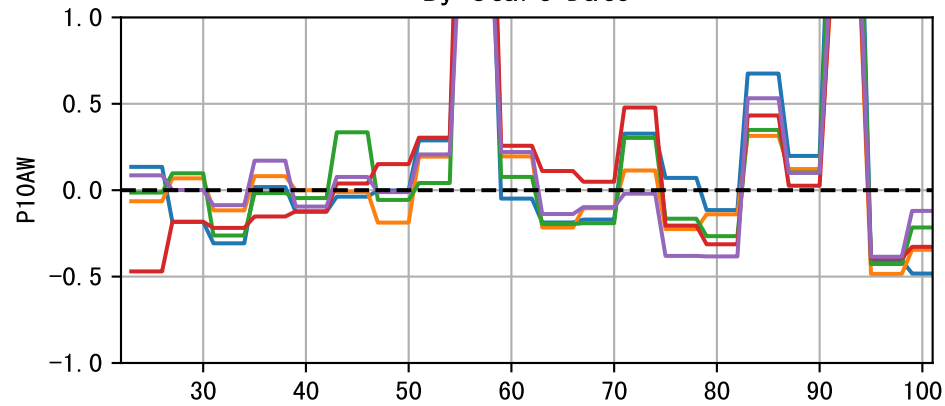


avg1=3.29, avg2=na  
P10AW StH

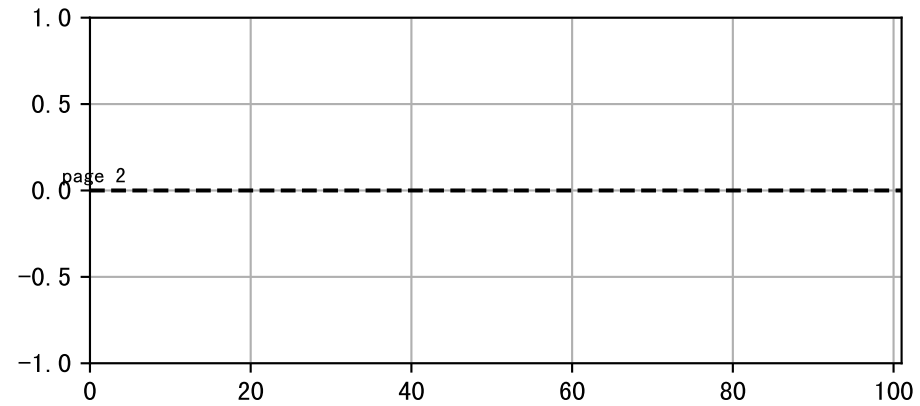
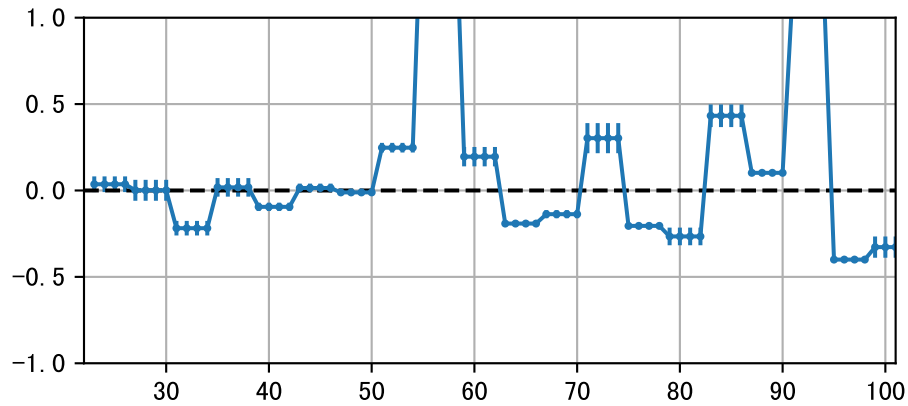
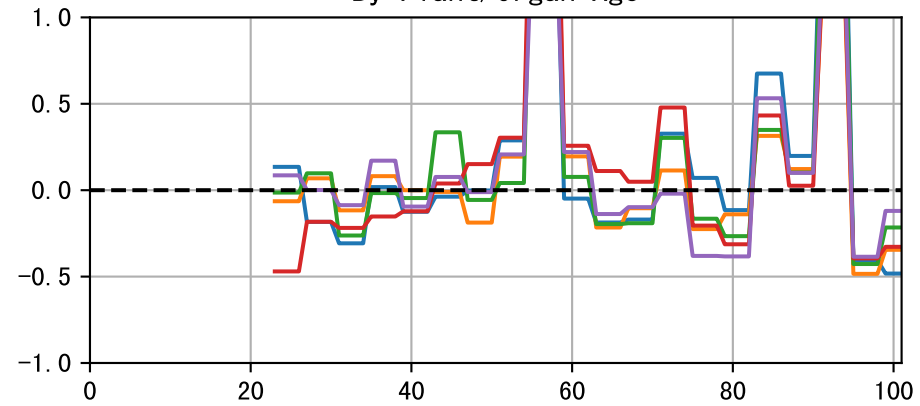


page 1

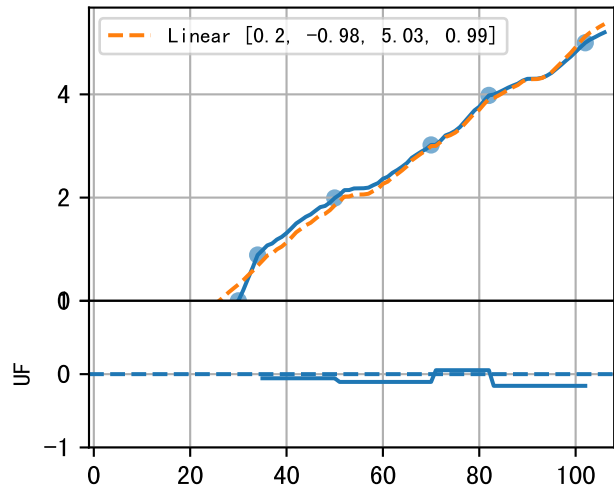
By Start Date



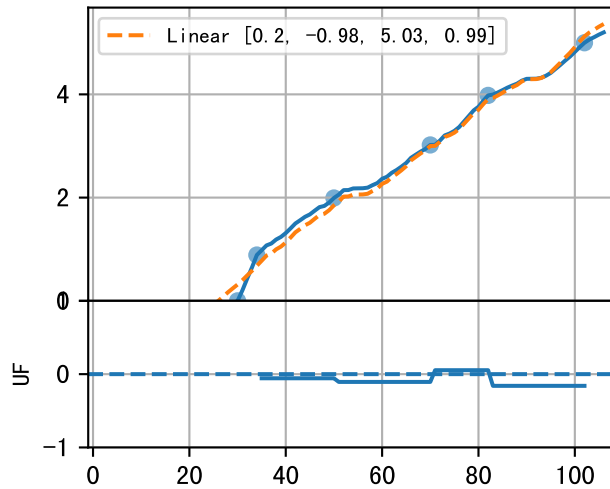
By Plant/Organ Age



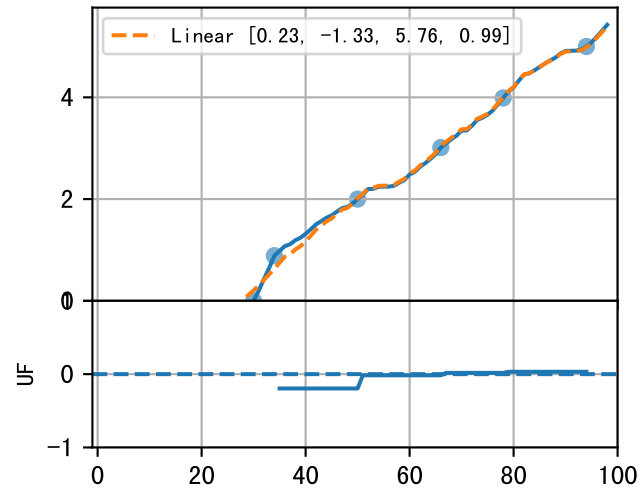
P10AW-004-12



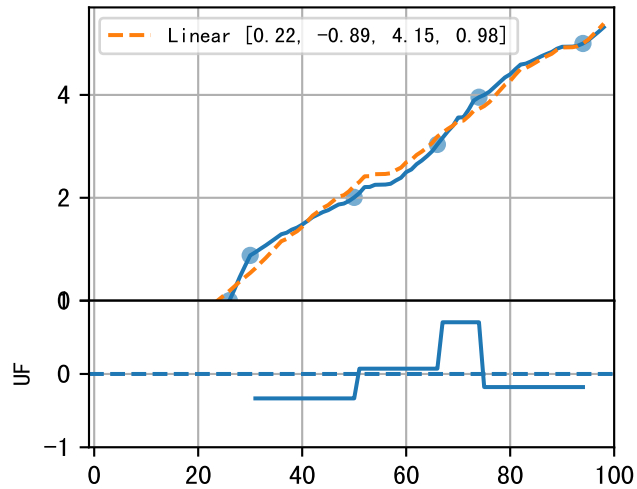
P10AW-010-25



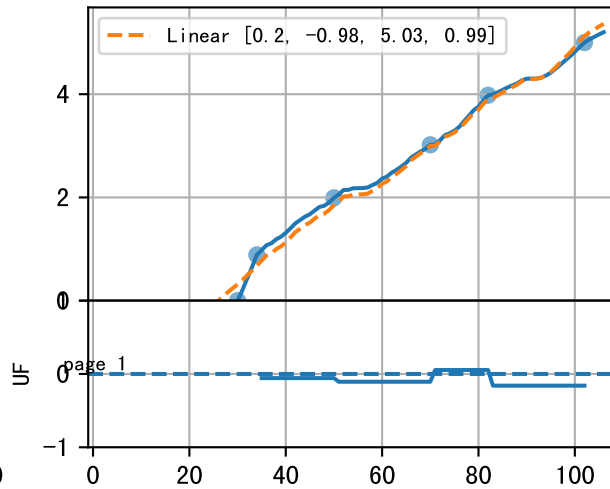
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P10AW-025-3



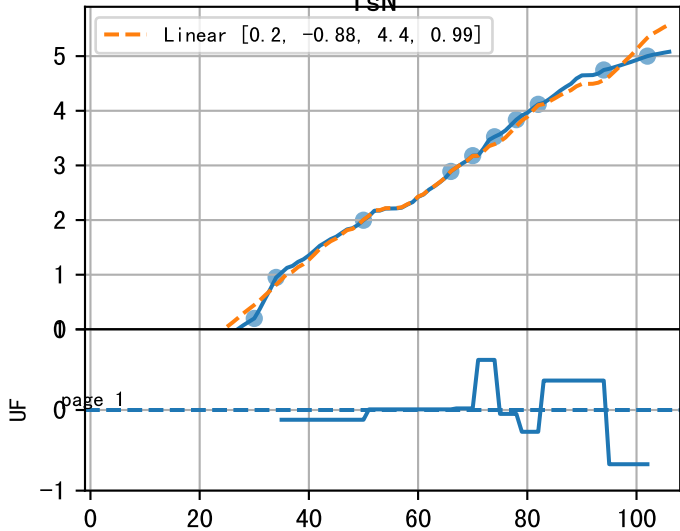
P10AW-032-33

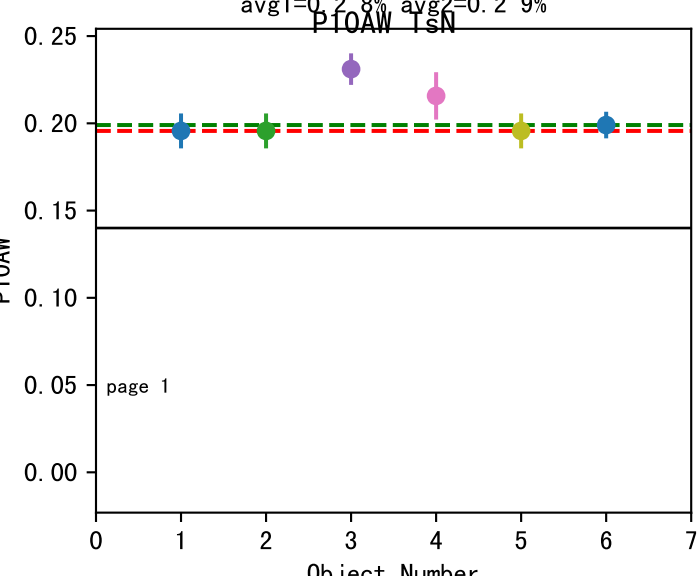


PTQWavg

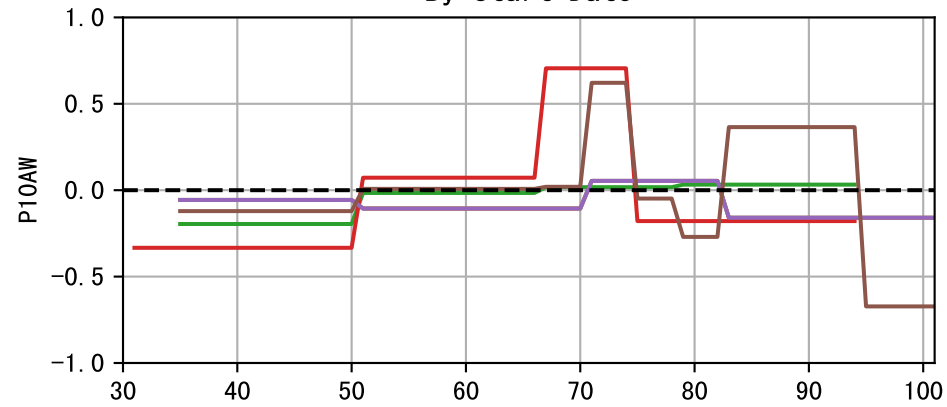
TsN

Linear [0.2, -0.88, 4.4, 0.99]

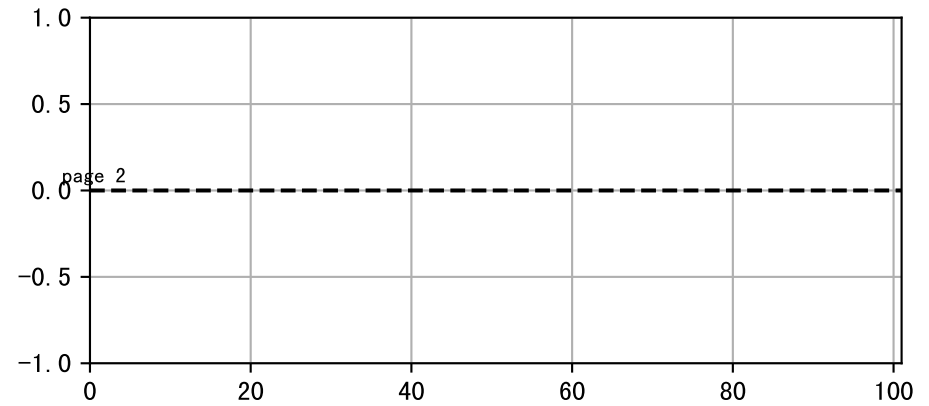
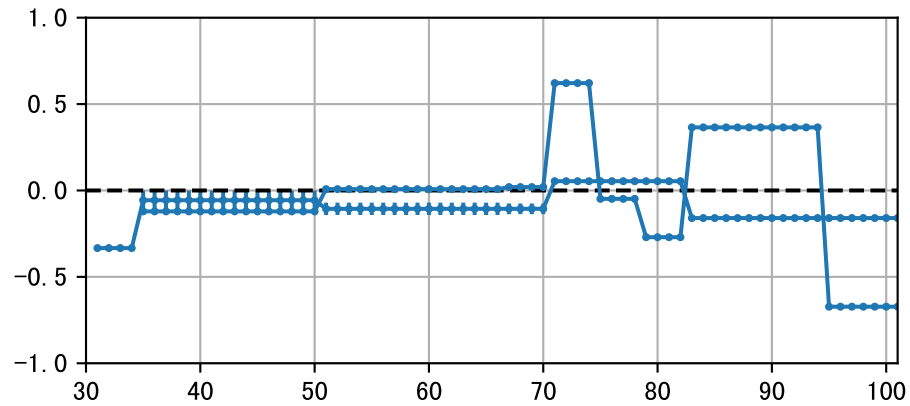
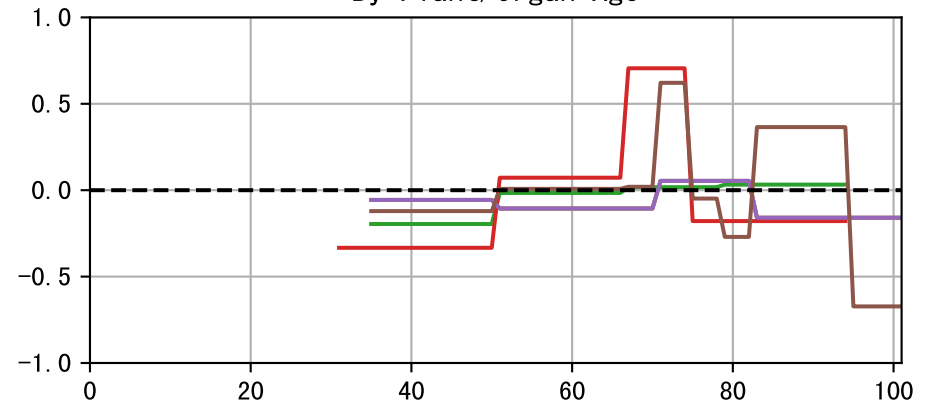


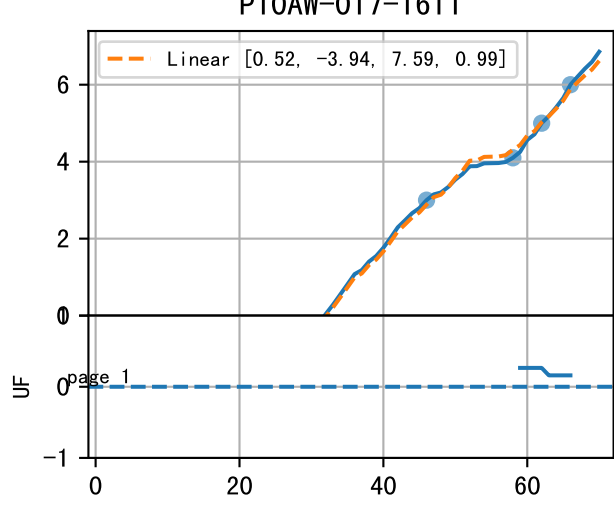
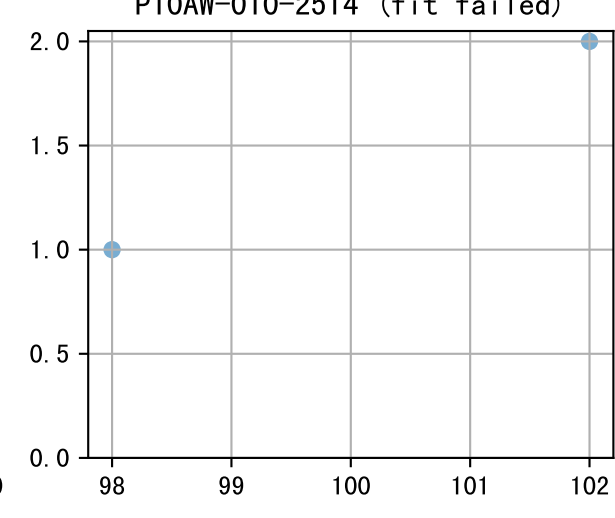
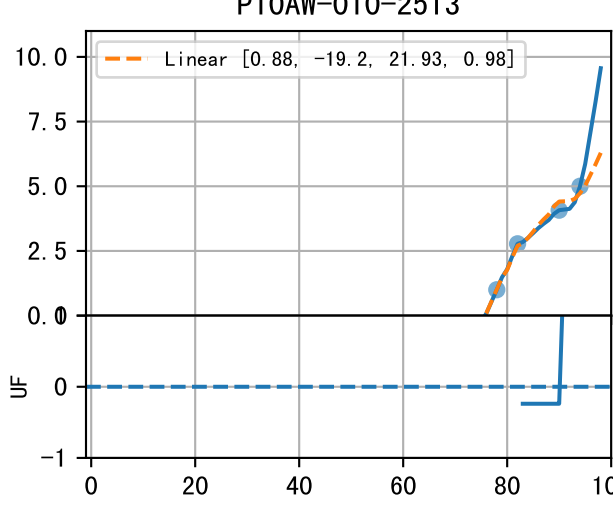
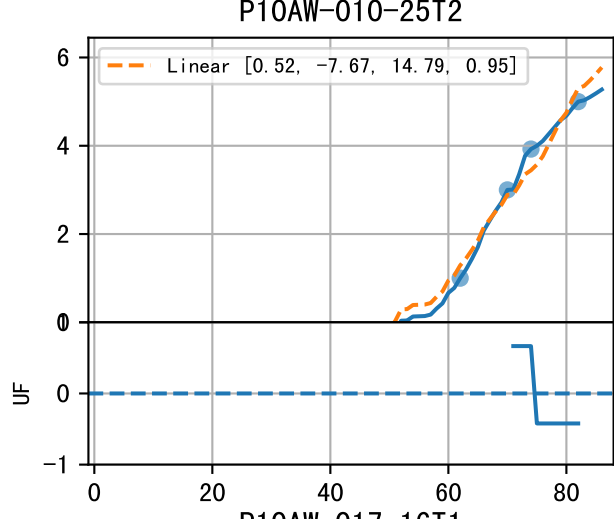
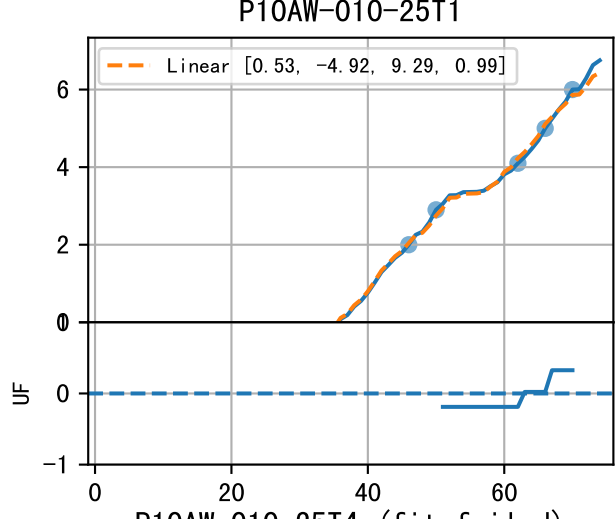
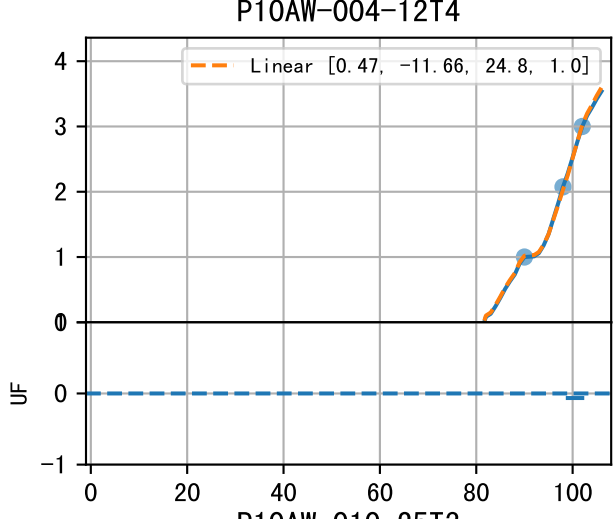
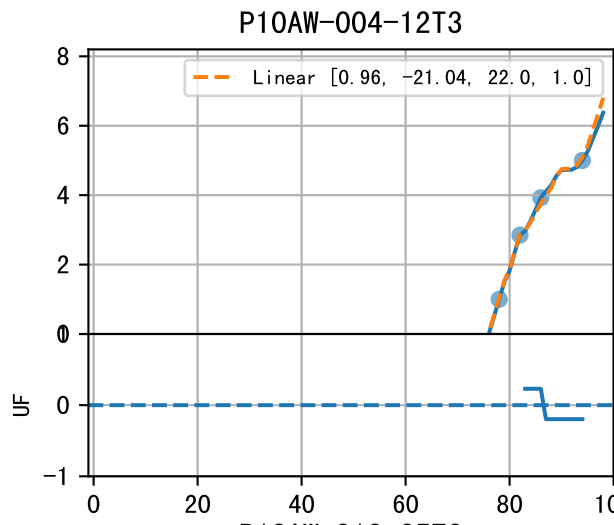
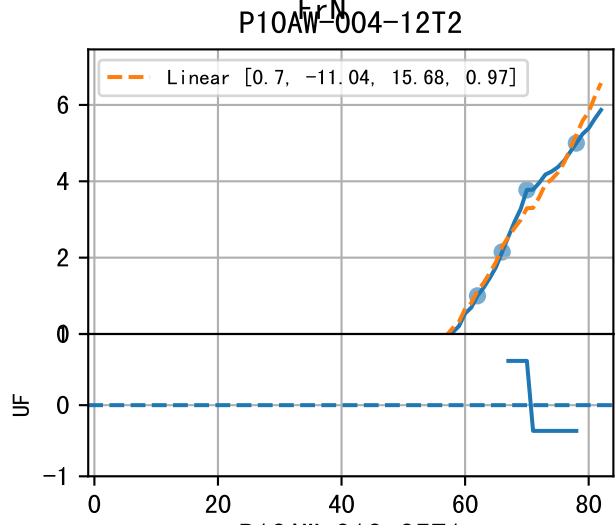
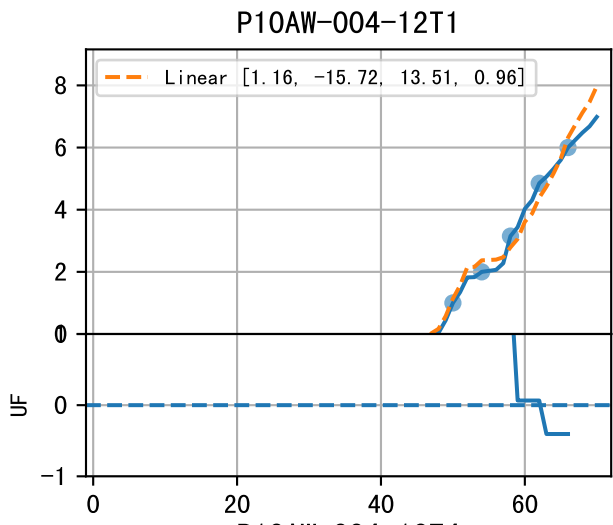


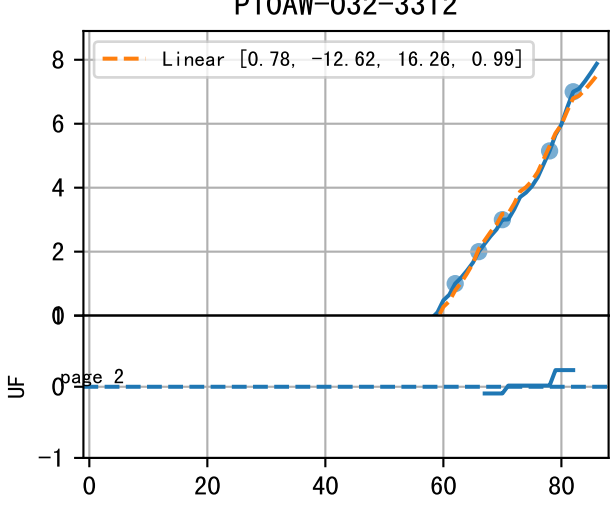
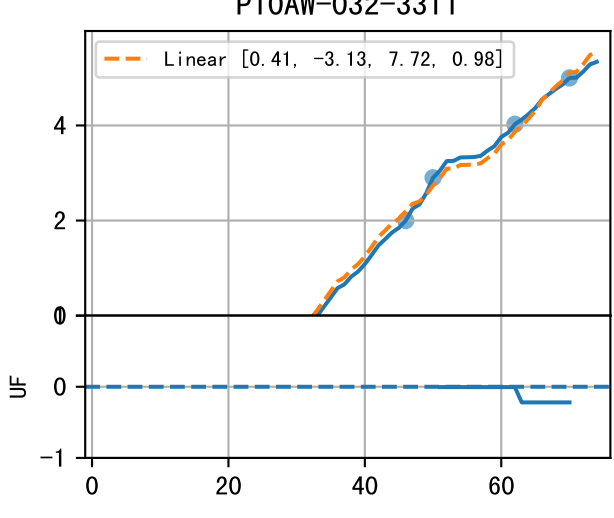
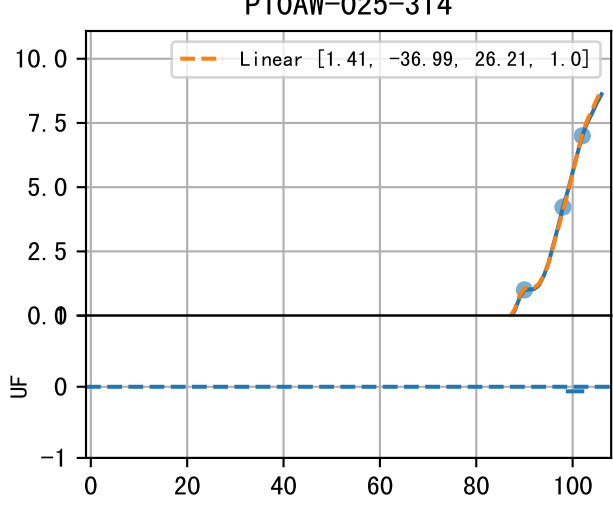
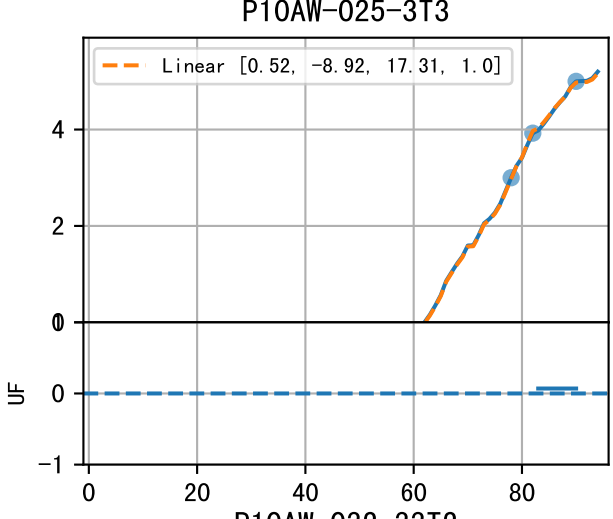
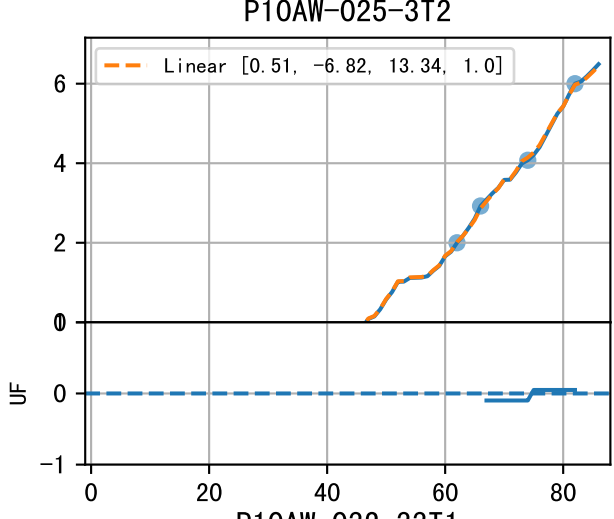
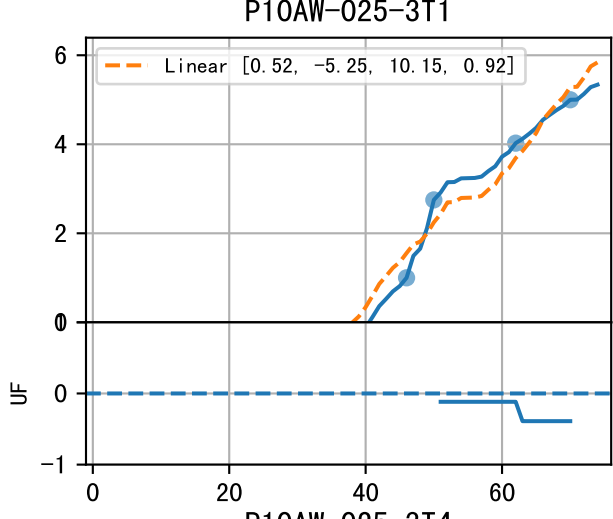
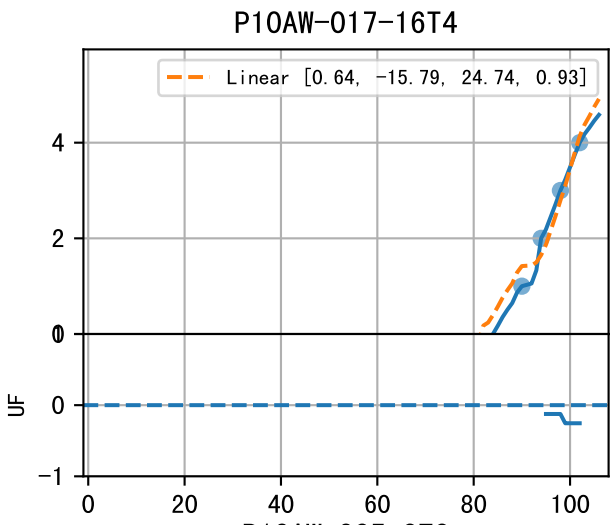
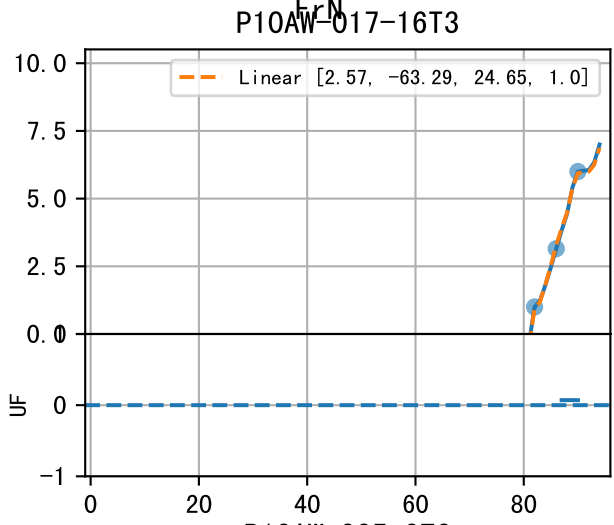
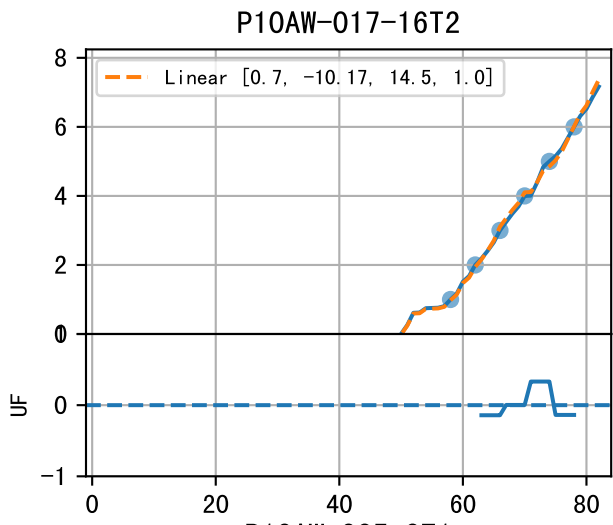
By Start Date



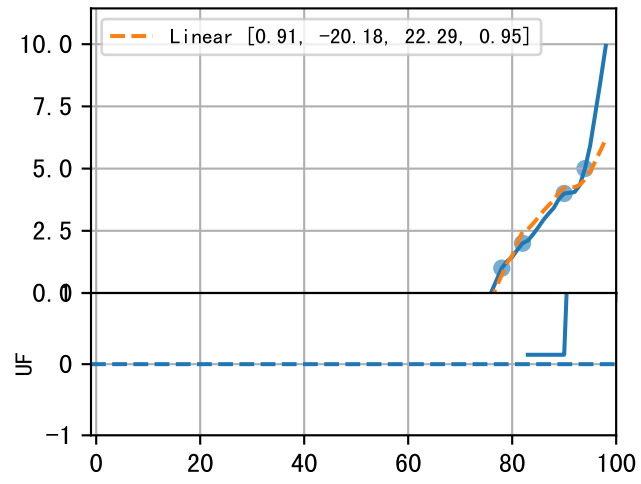
By Plant/Organ Age



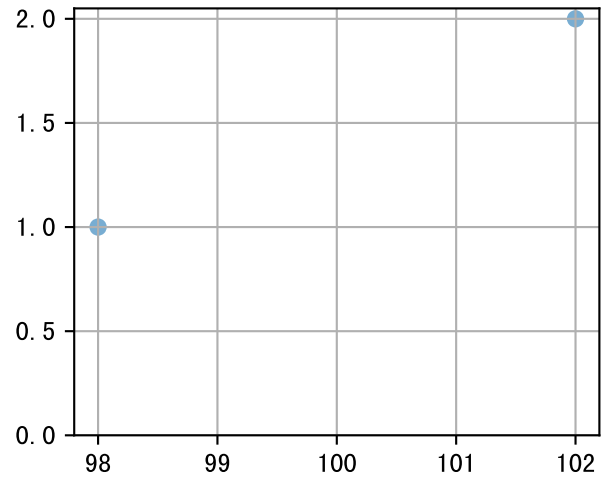




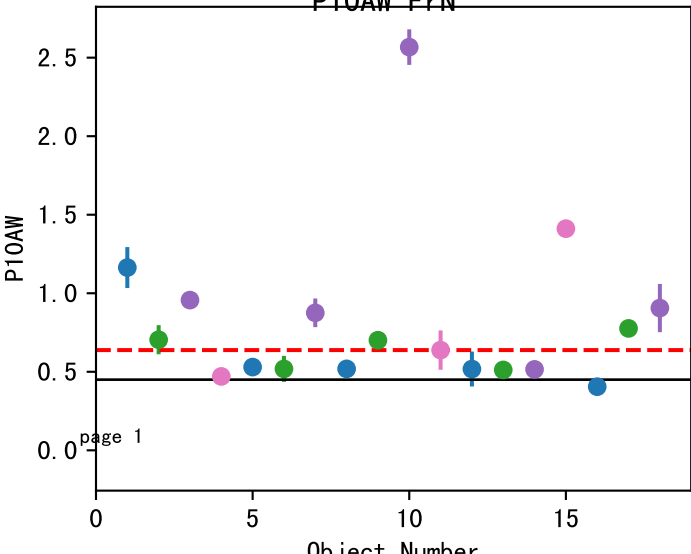
P10AW-032-33T3

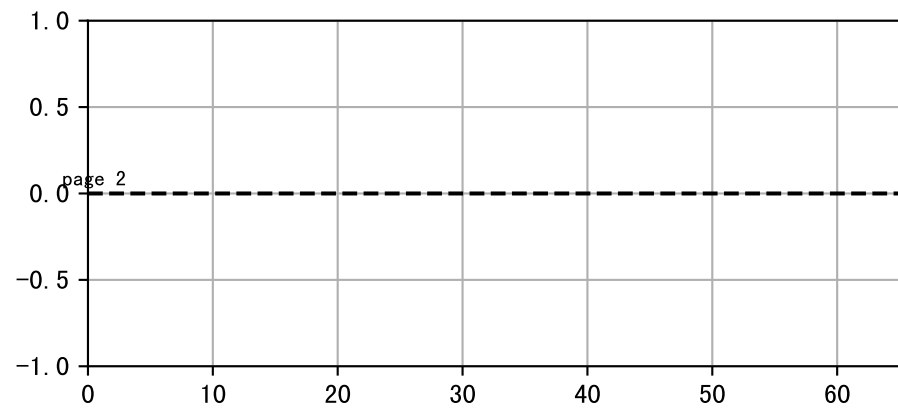
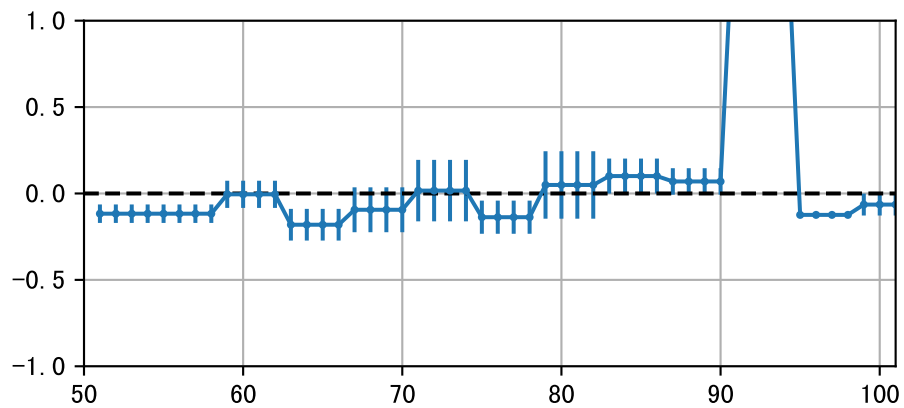
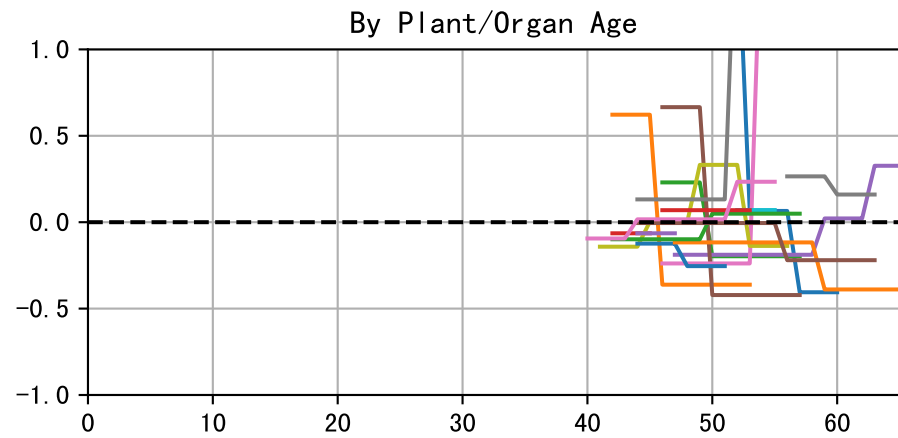
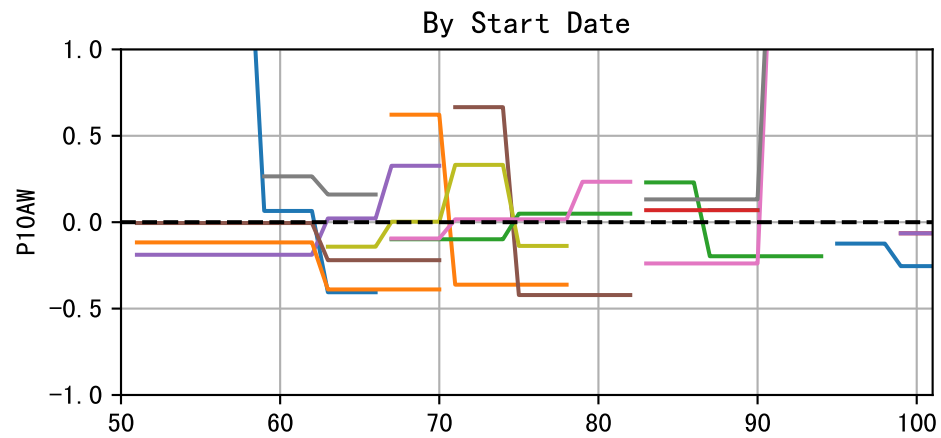


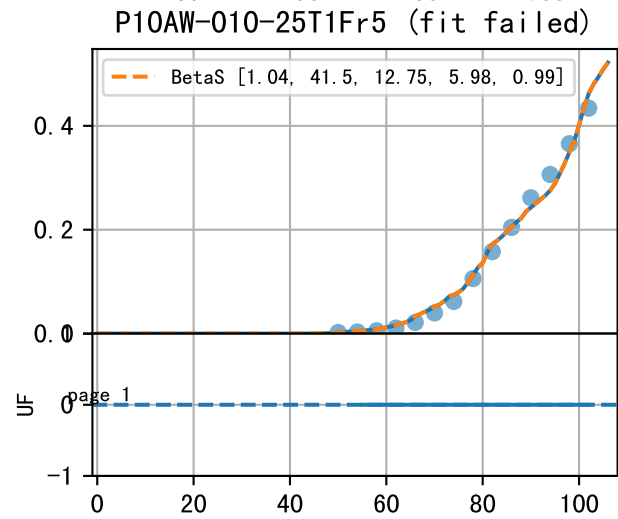
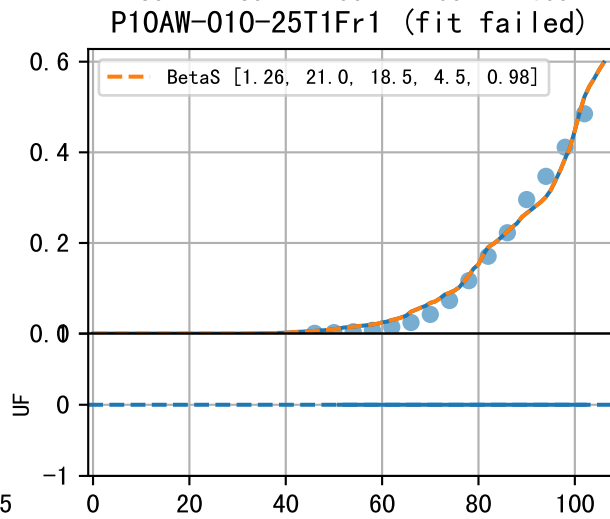
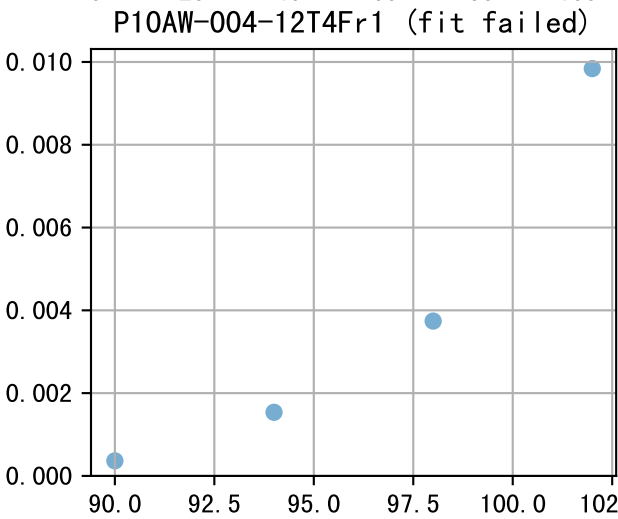
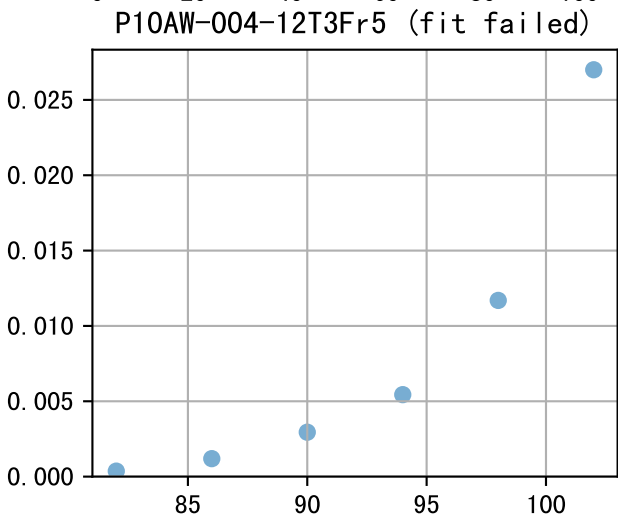
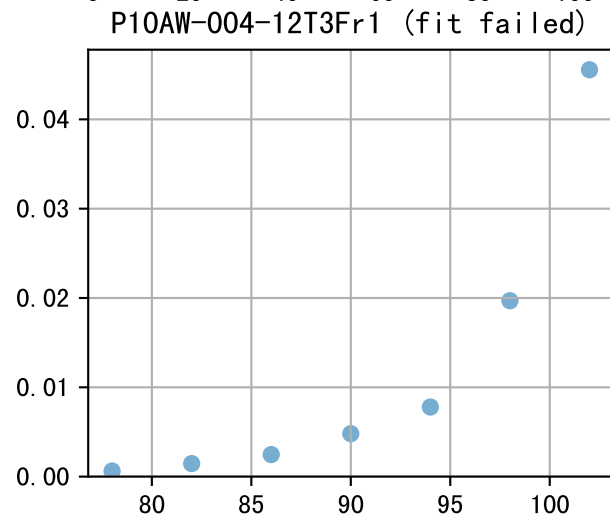
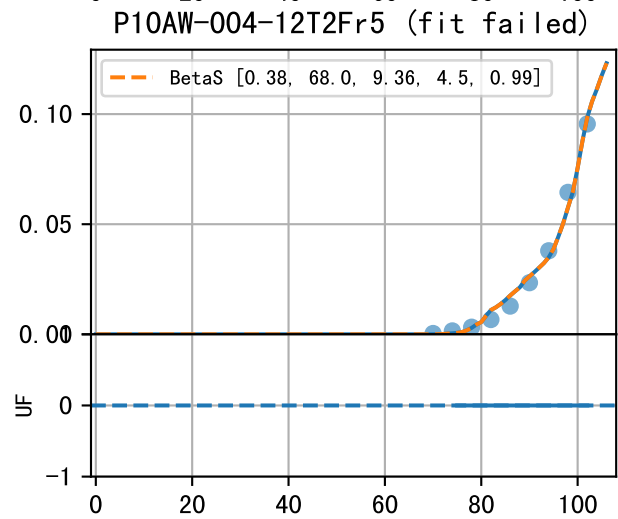
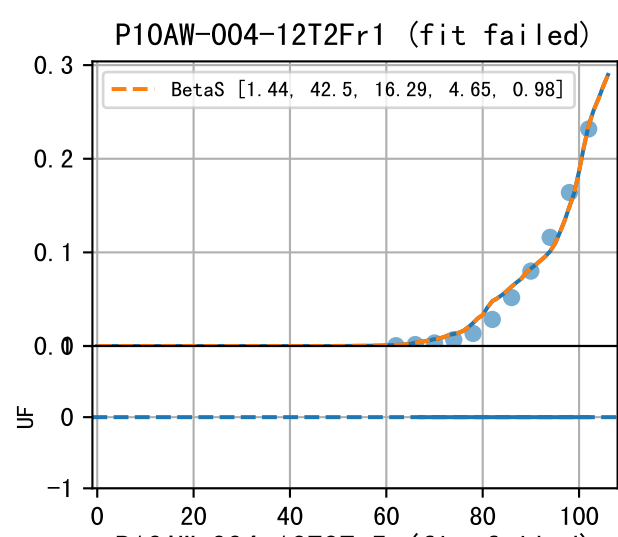
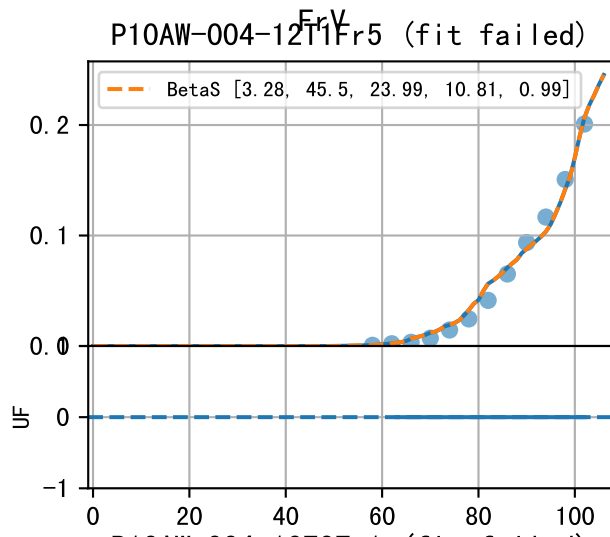
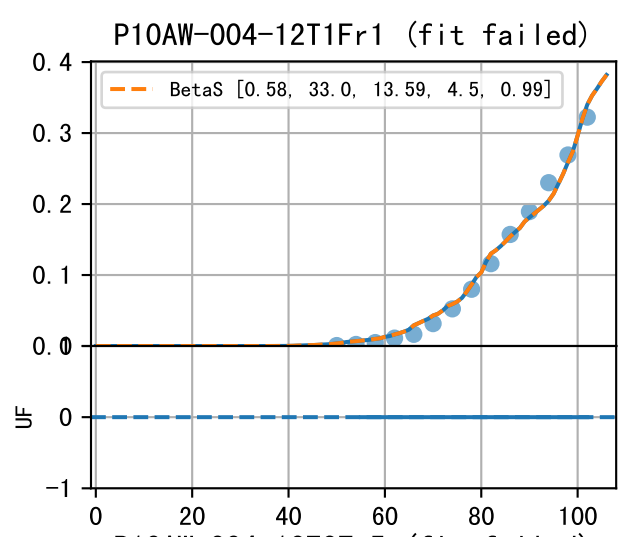
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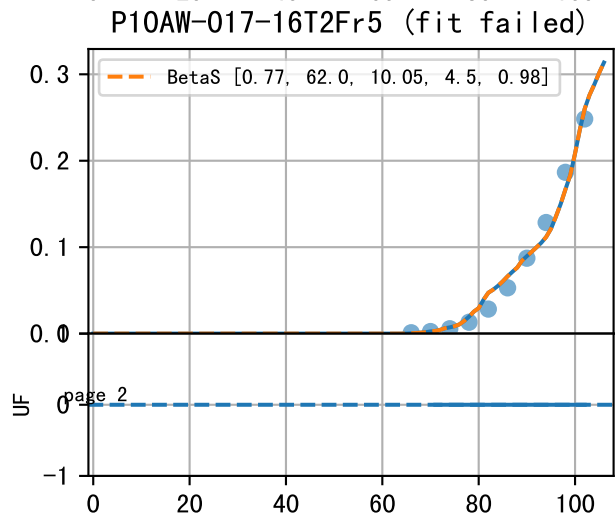
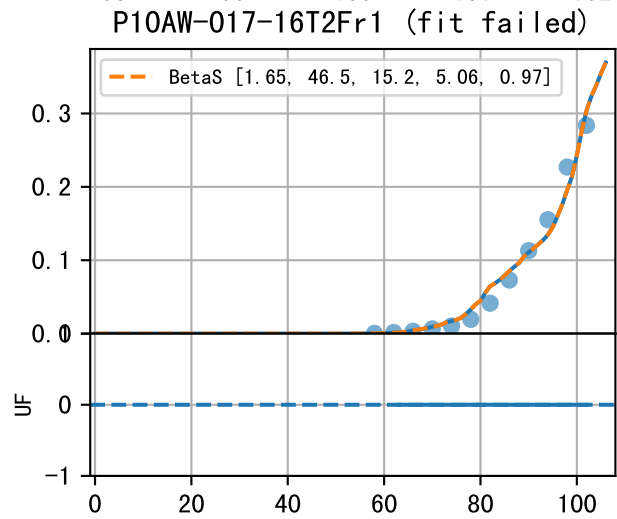
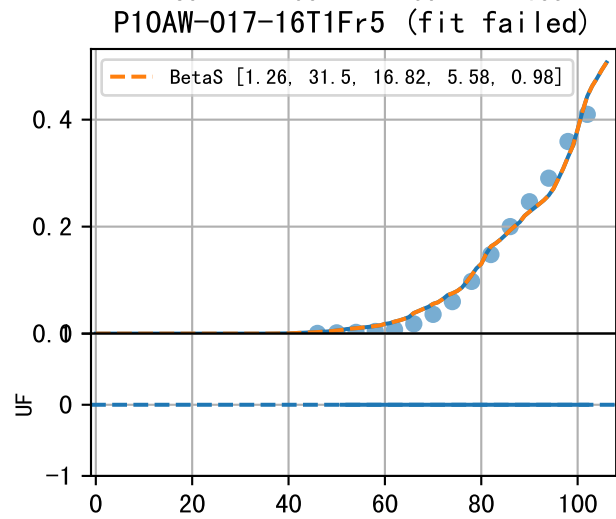
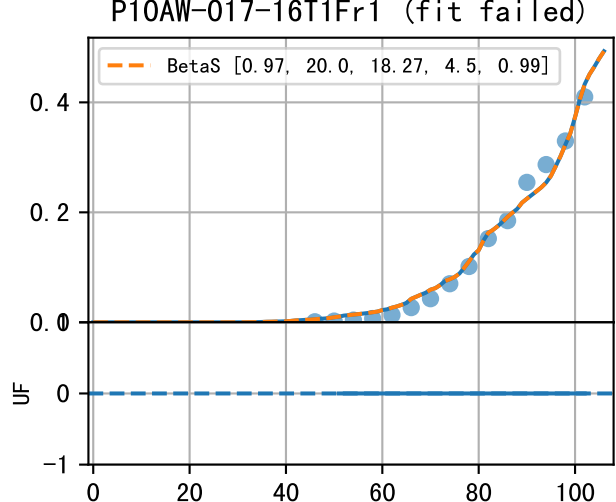
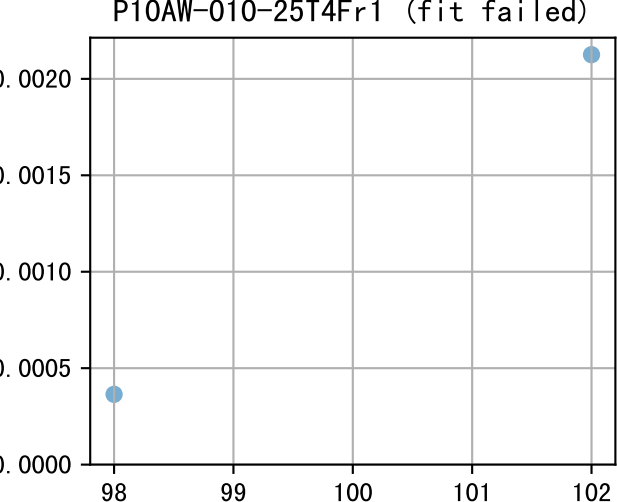
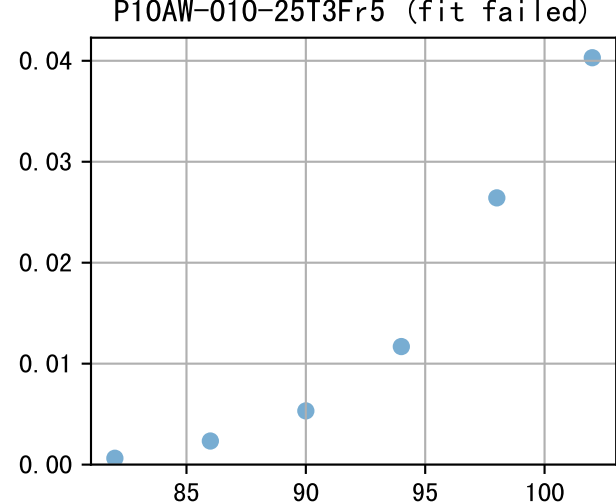
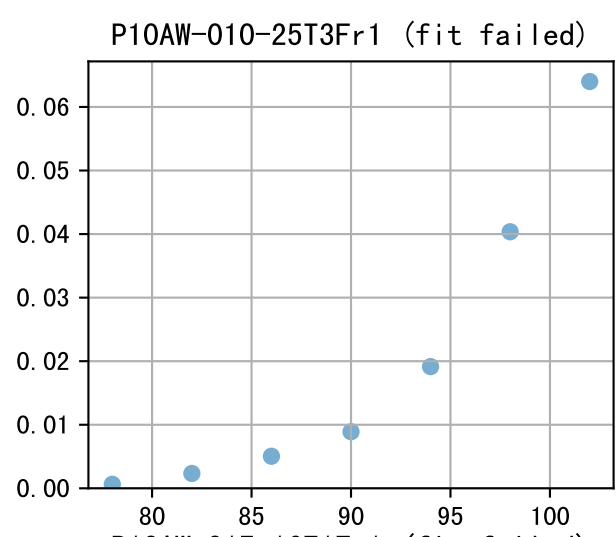
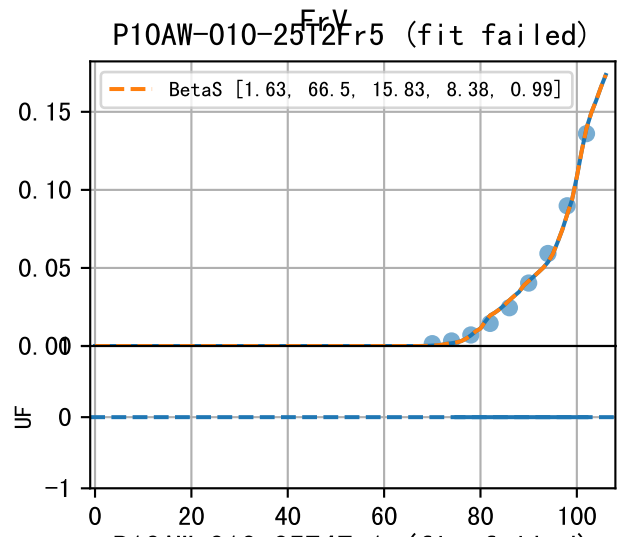
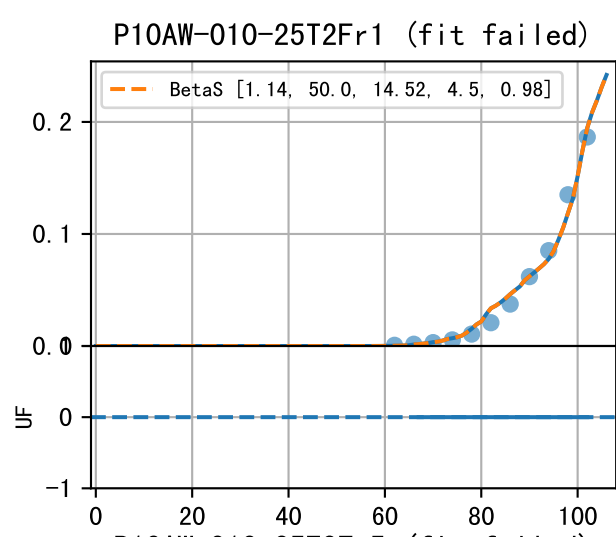


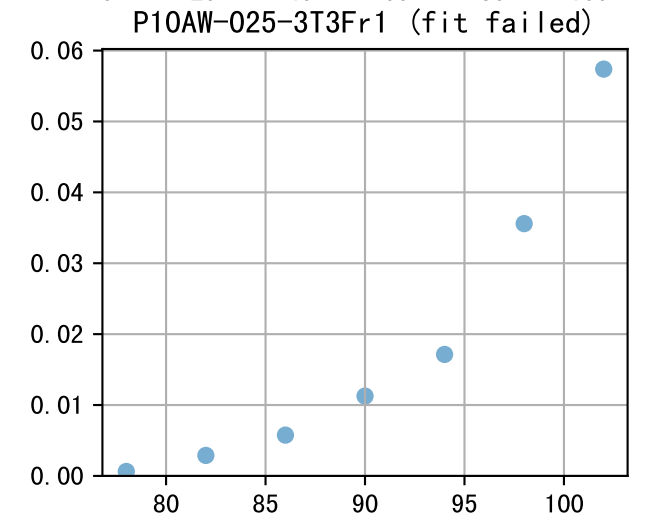
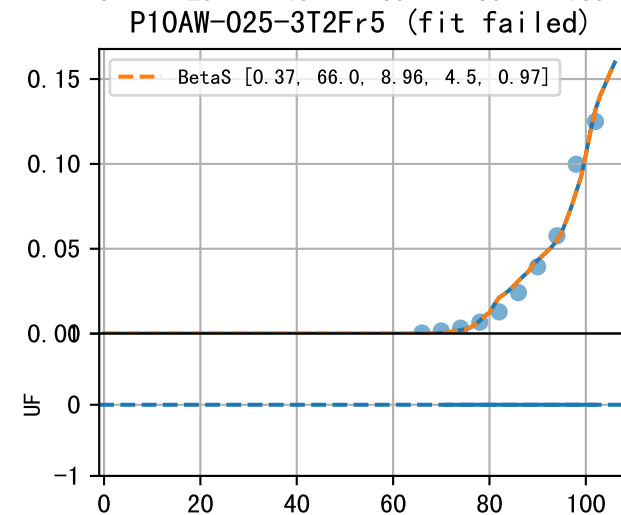
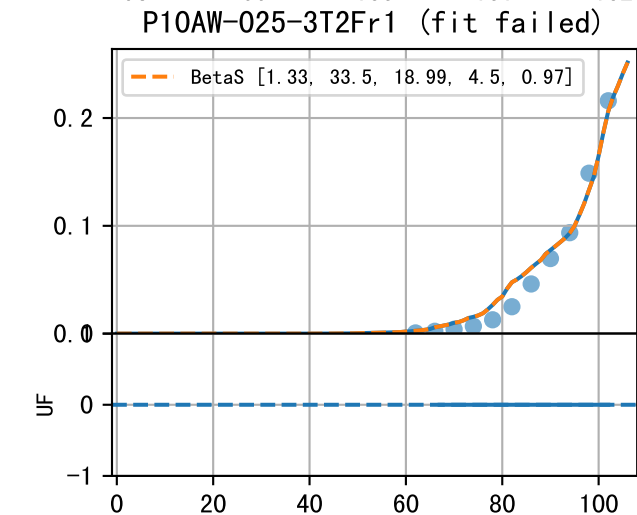
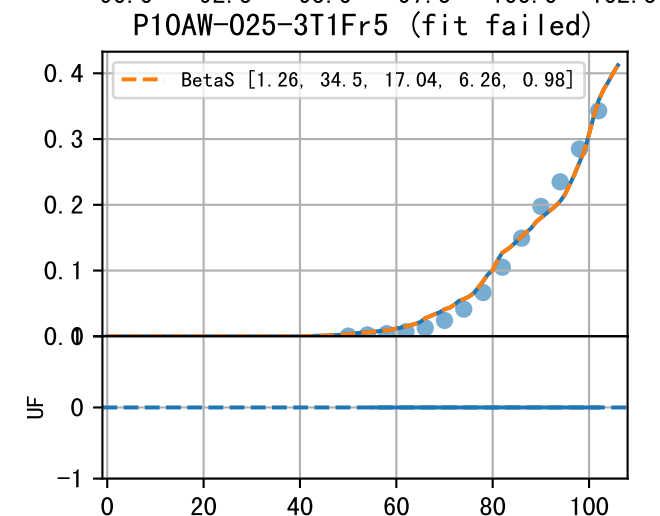
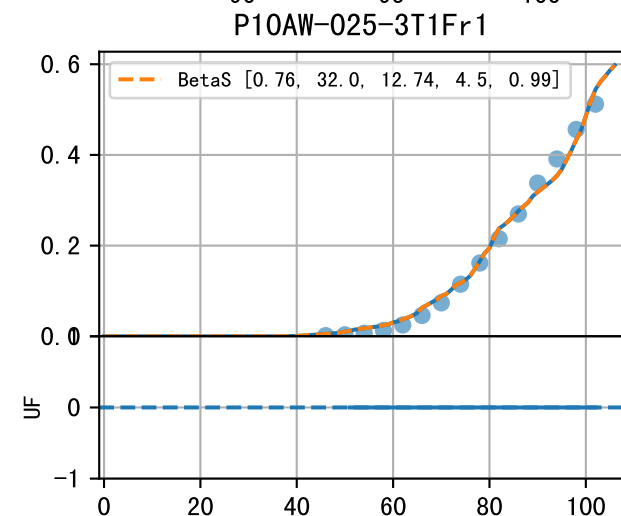
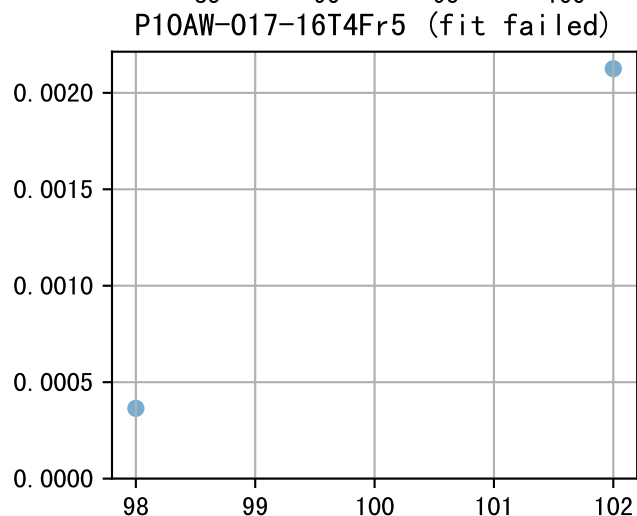
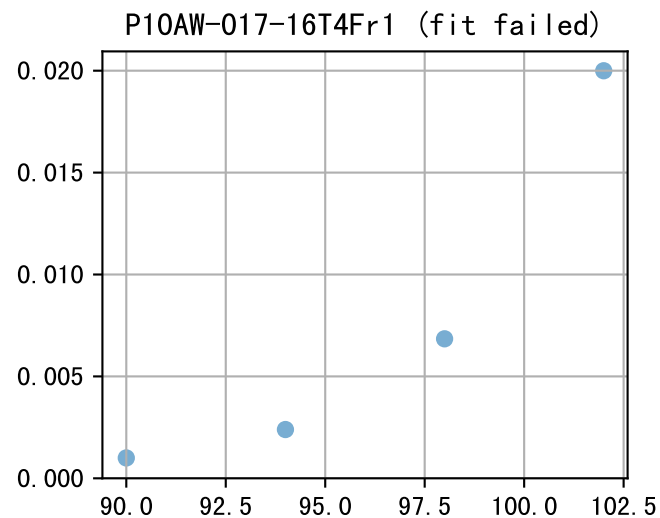
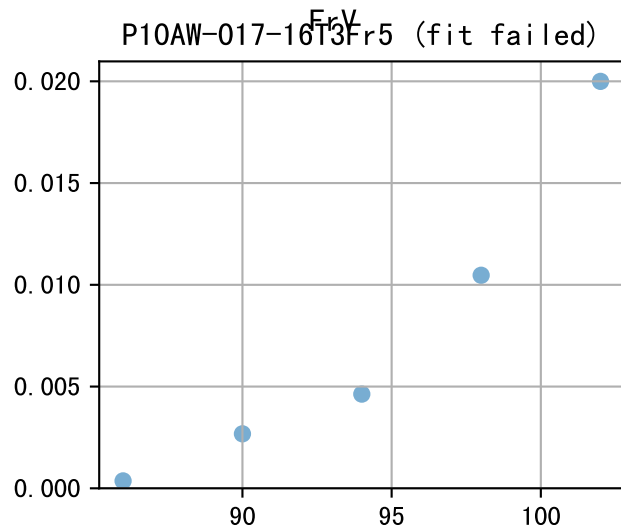
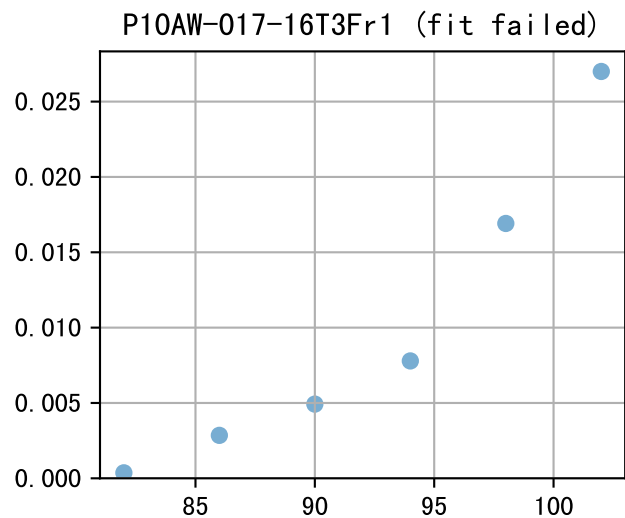
avg1=0.64 43% avg2=na  
P10AW FrN

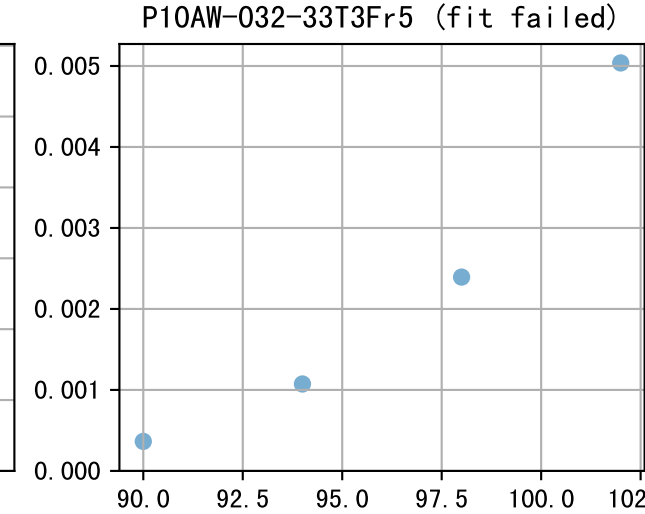
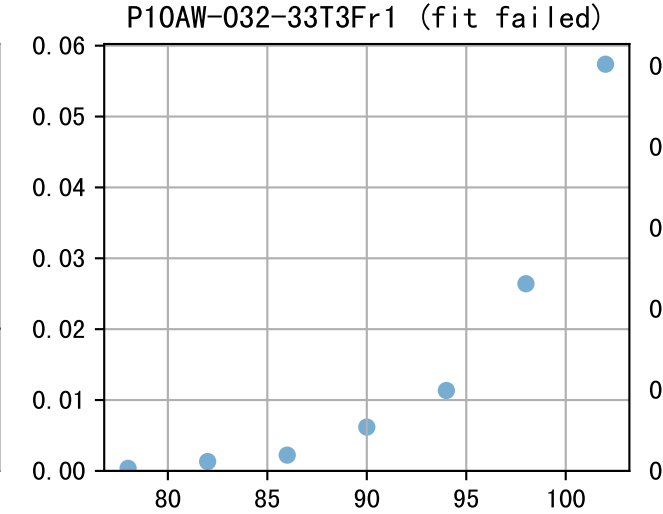
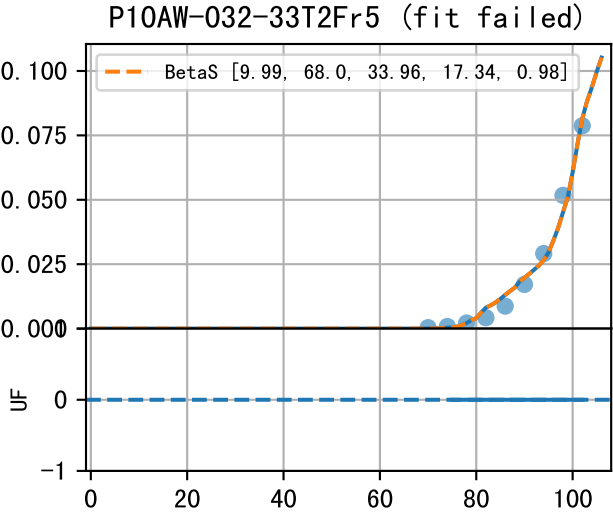
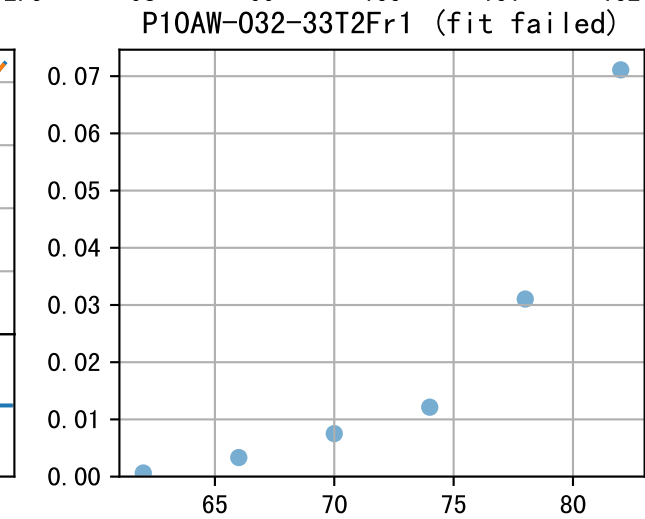
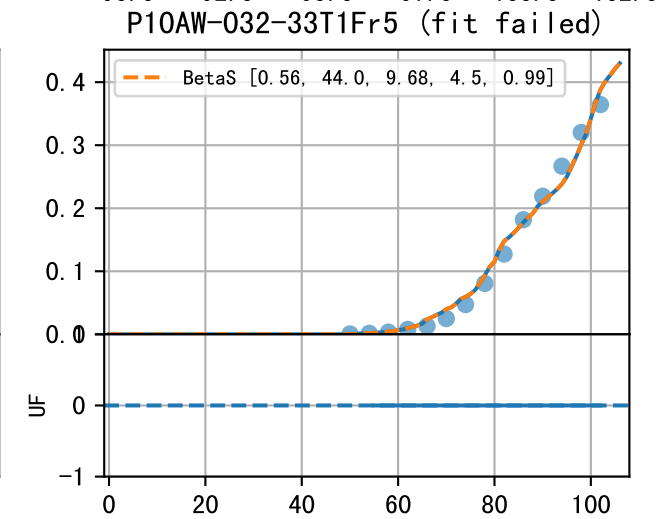
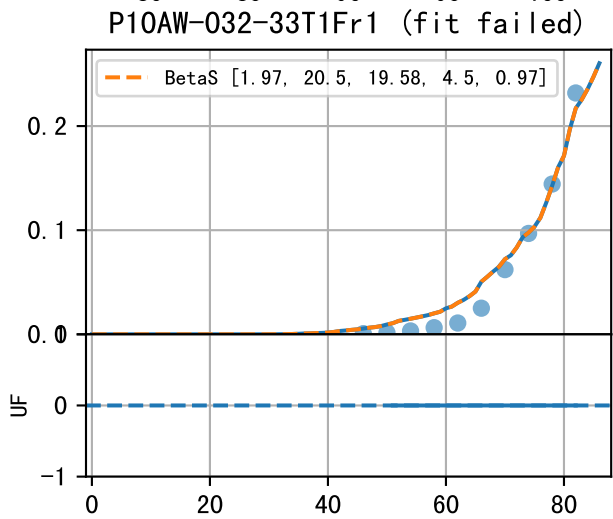
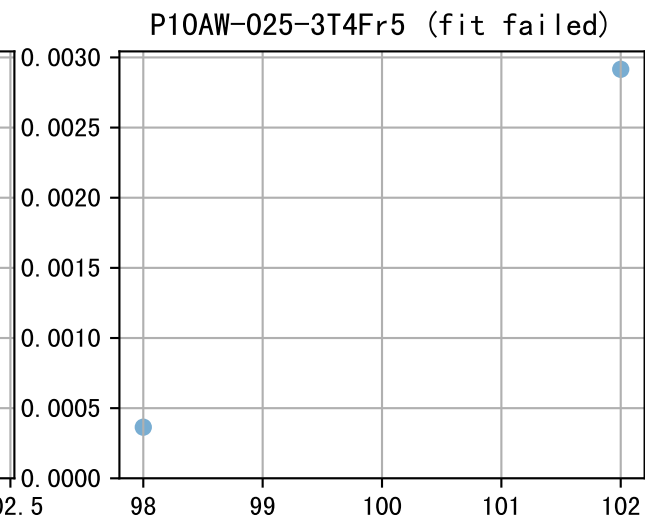
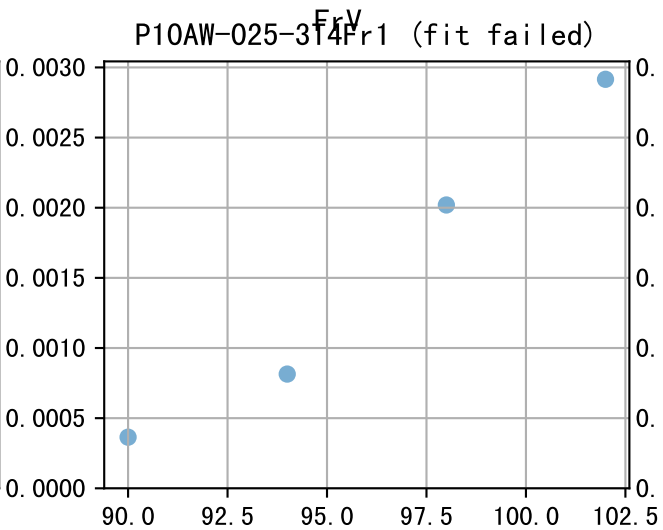
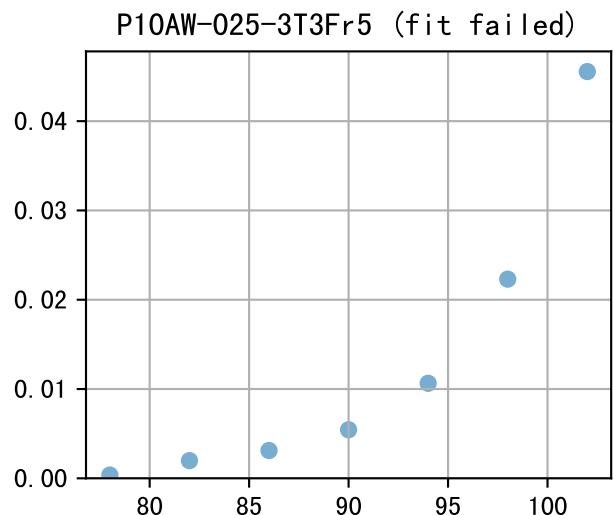




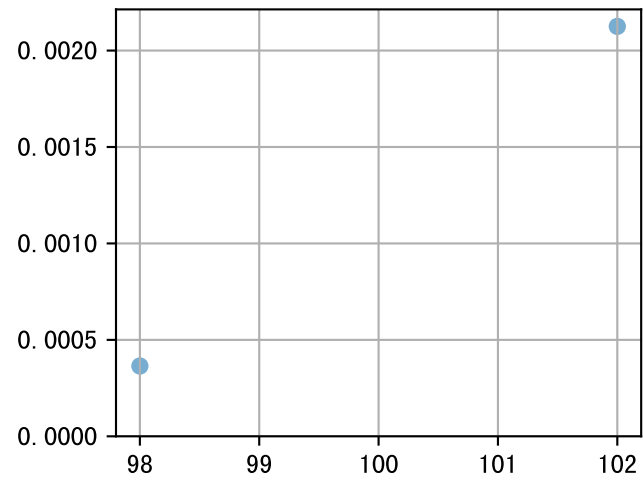




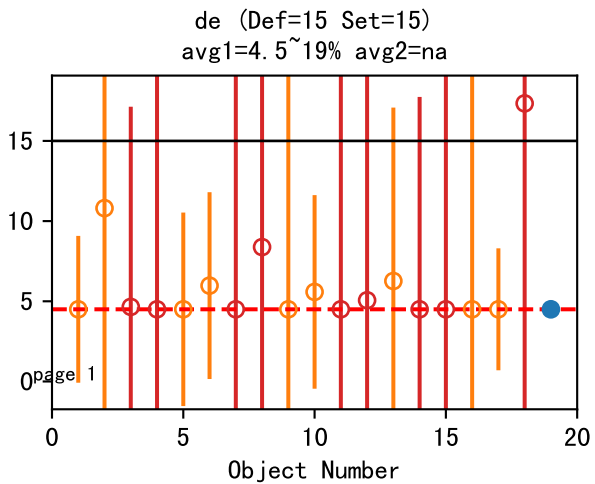
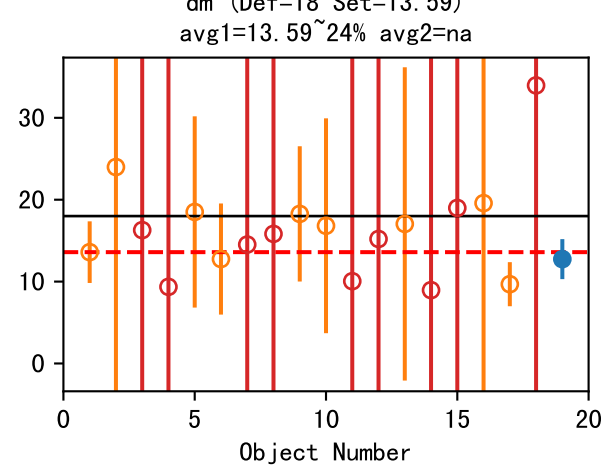
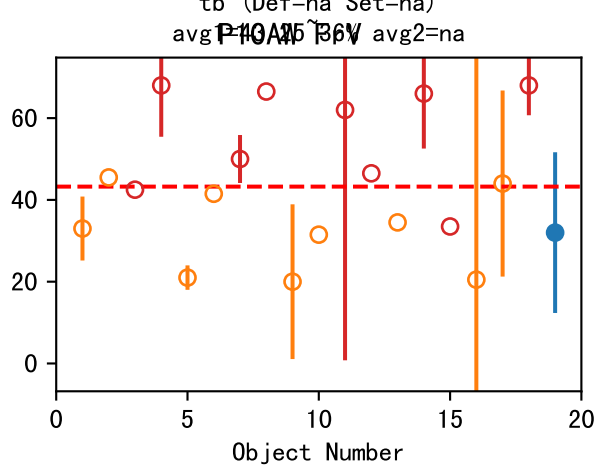
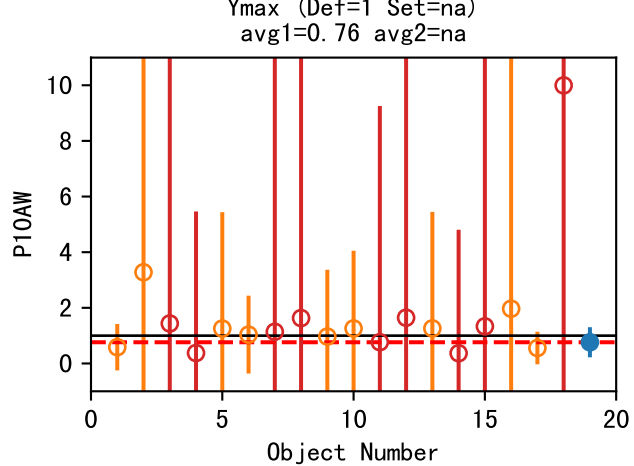




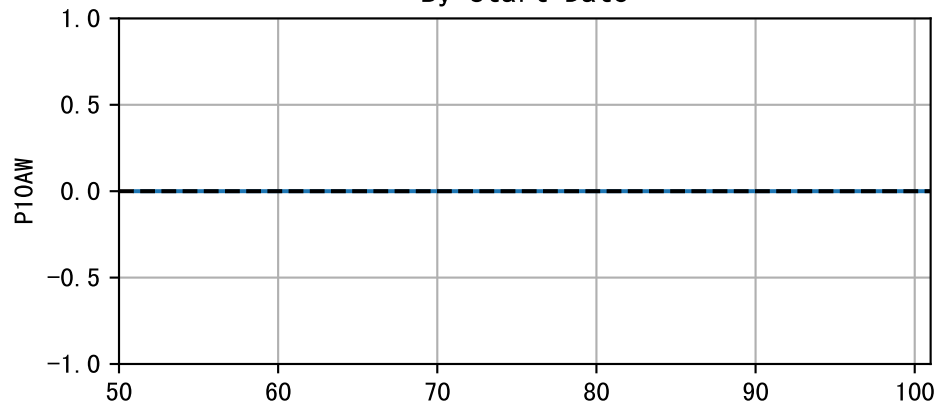
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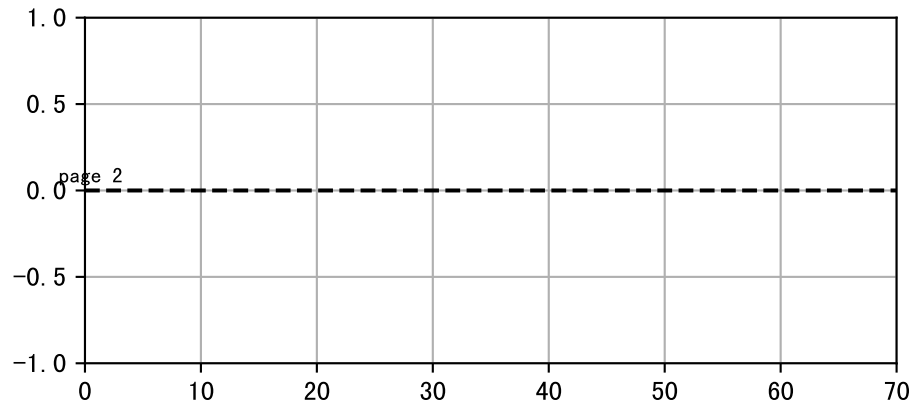
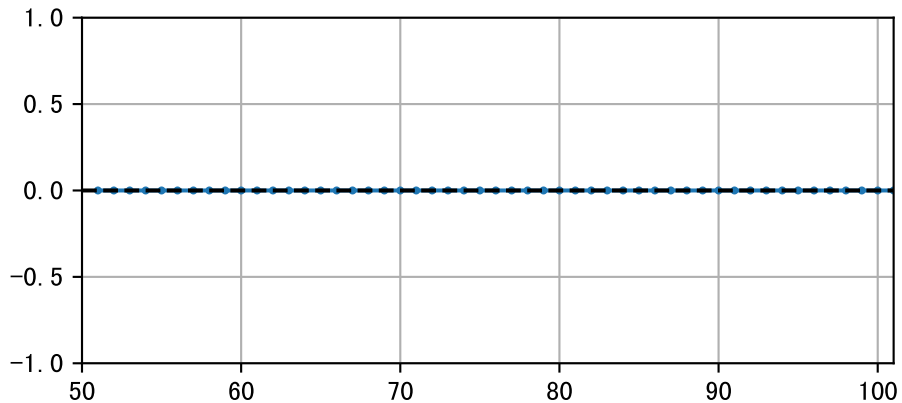
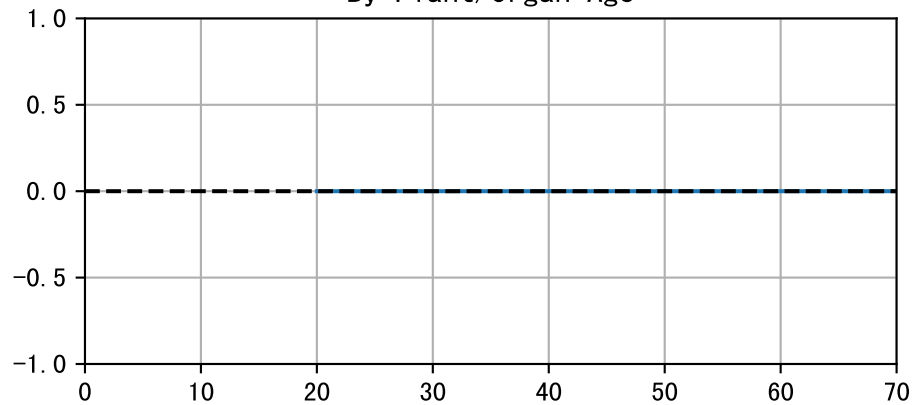
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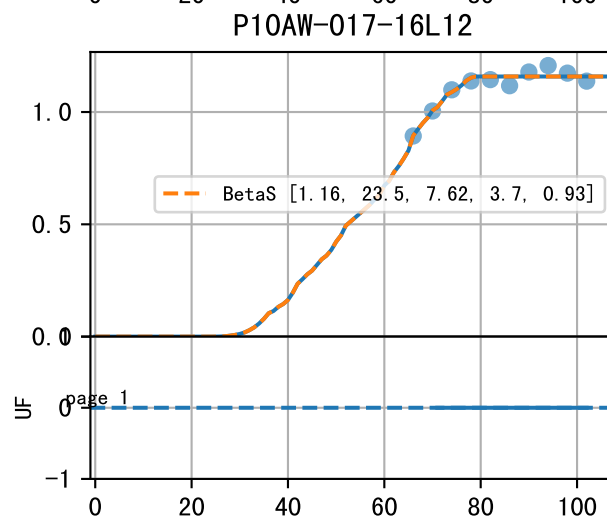
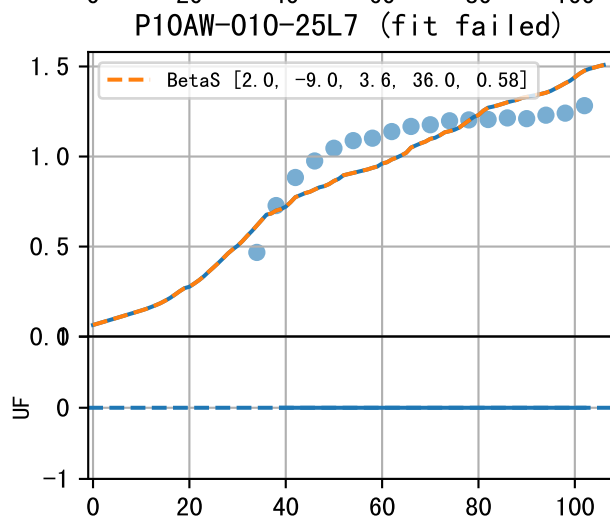
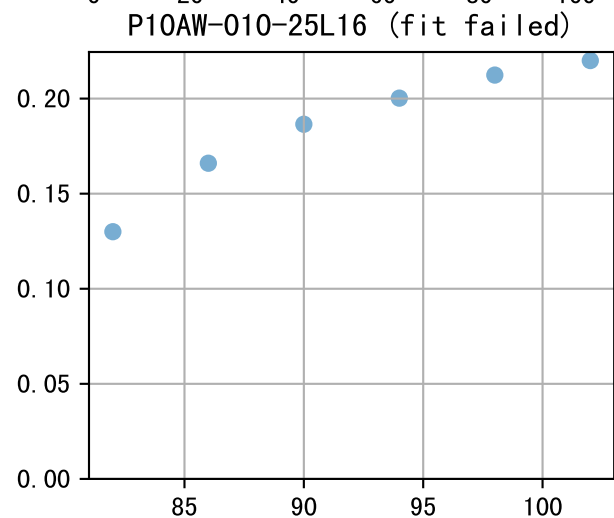
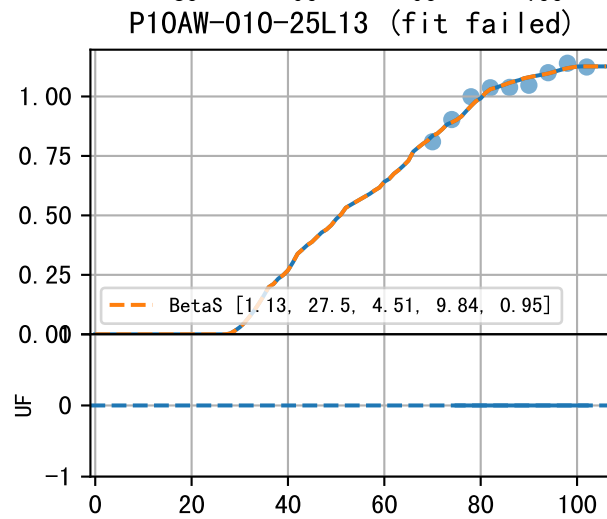
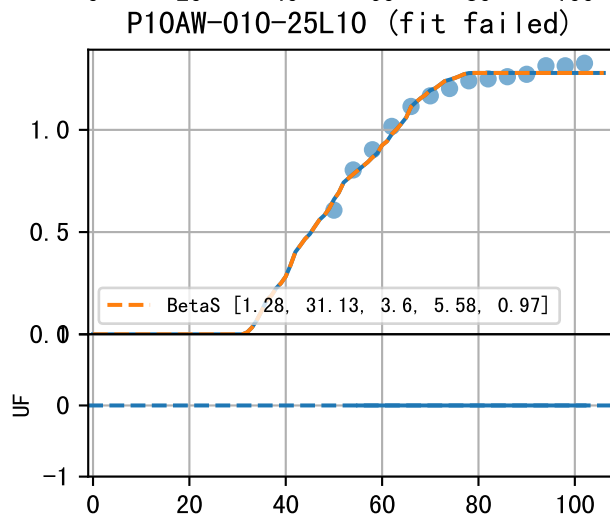
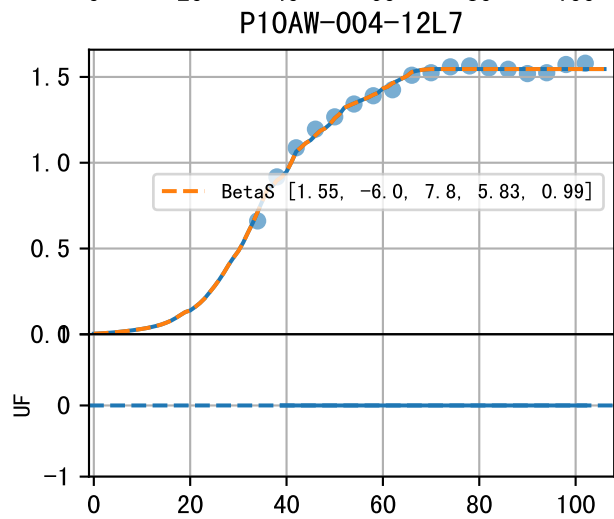
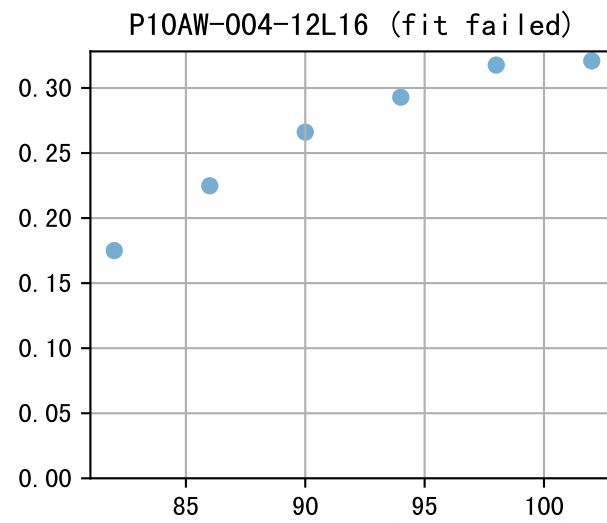
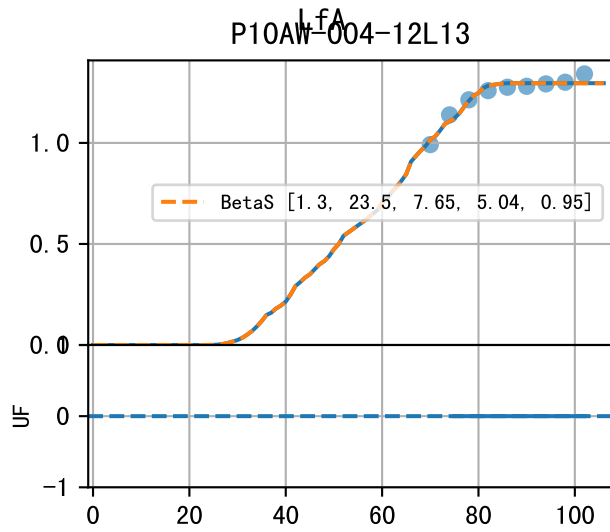
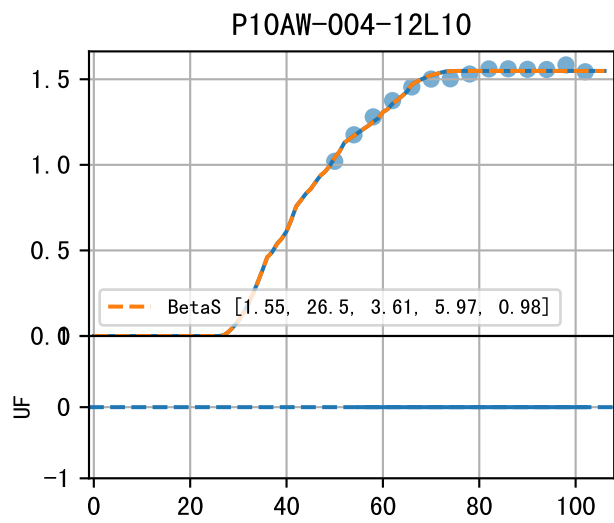


By Start Date

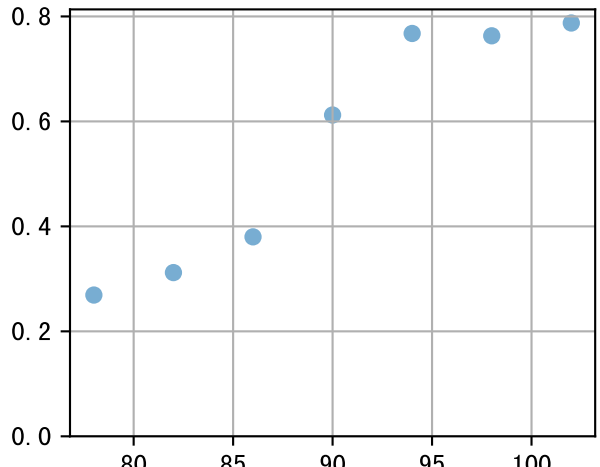


By Plant/Organ Age

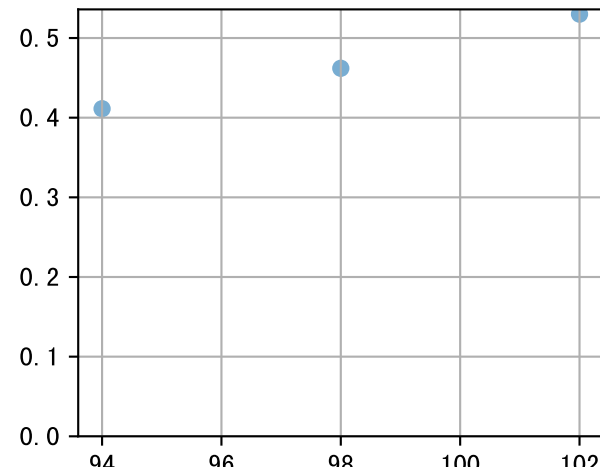




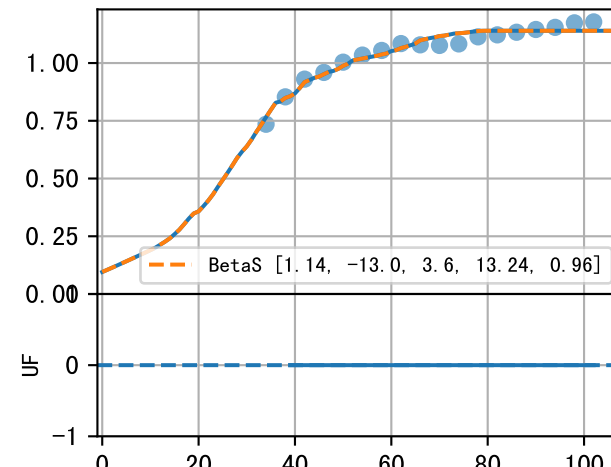
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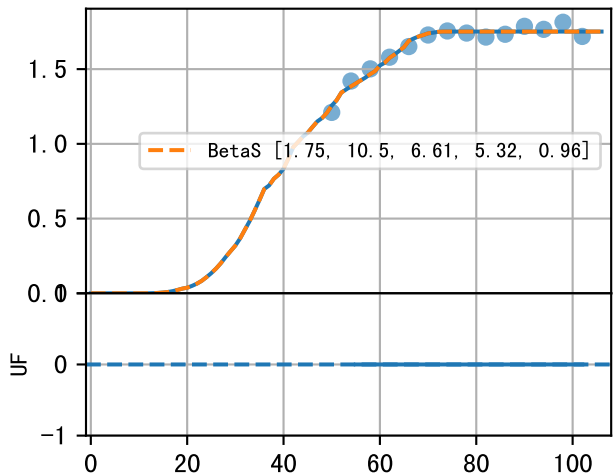
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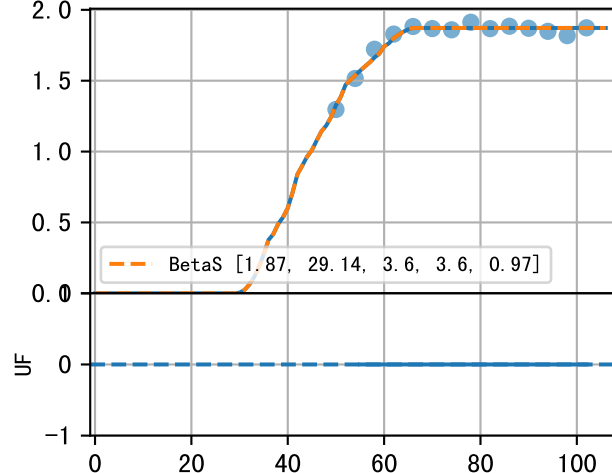
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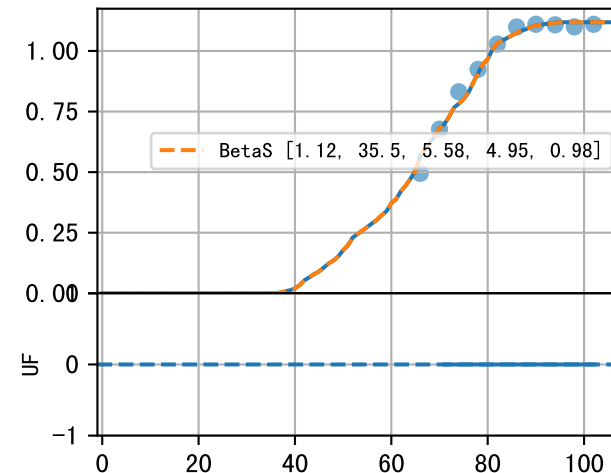
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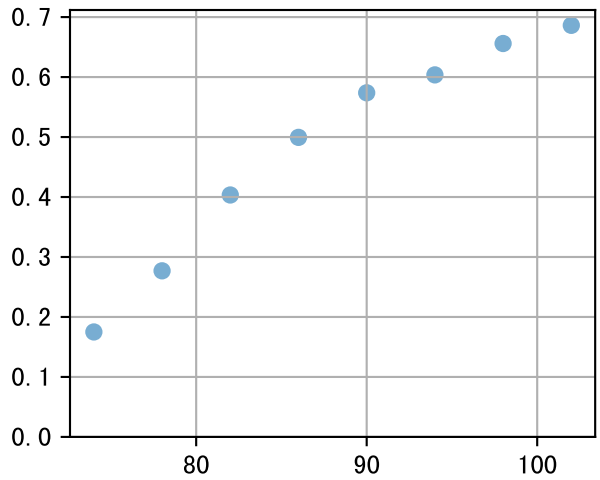
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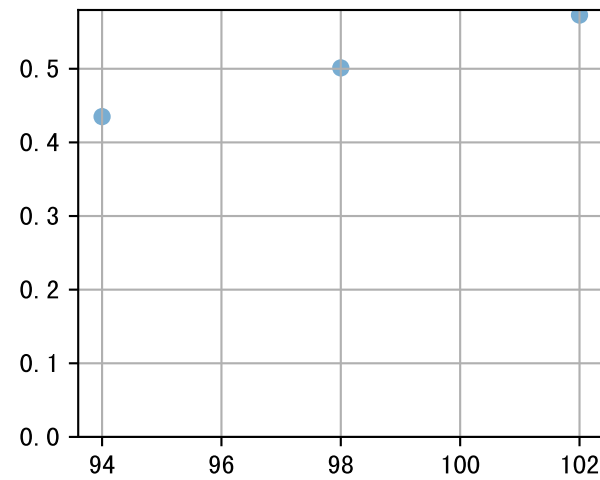
P10AW-025-3L13 (fit failed)



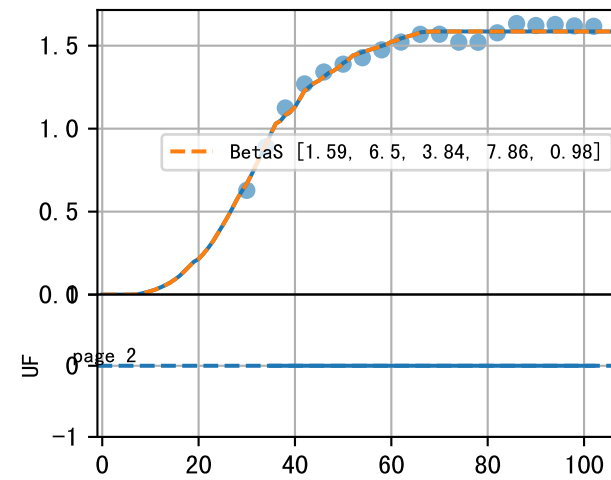
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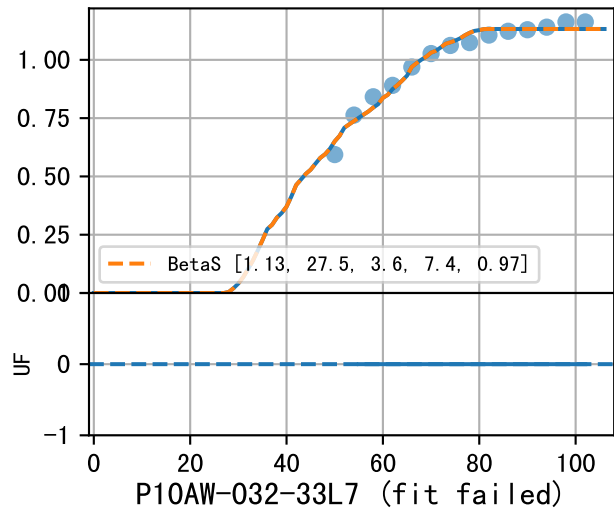
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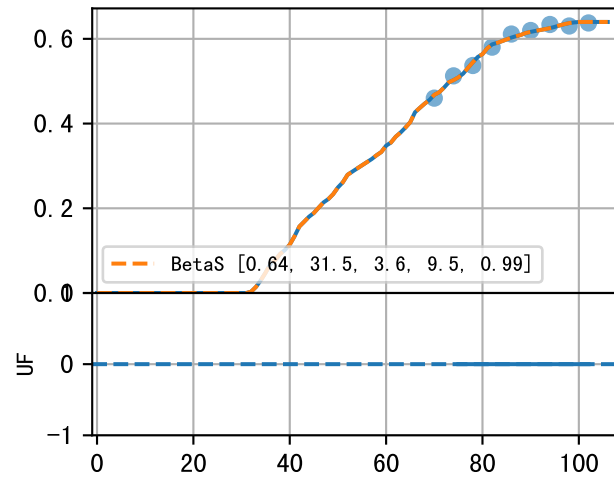
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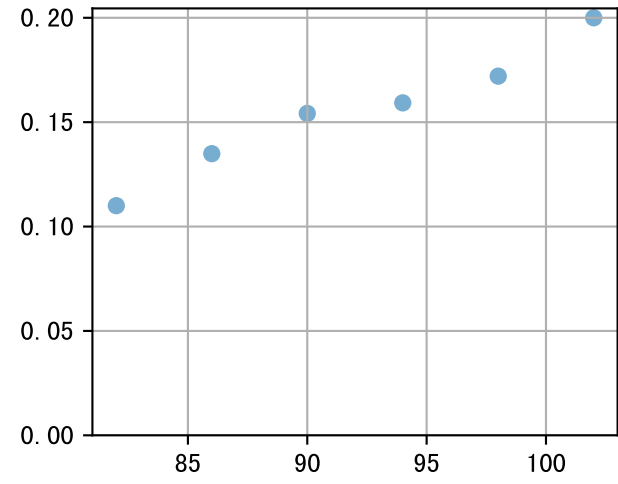
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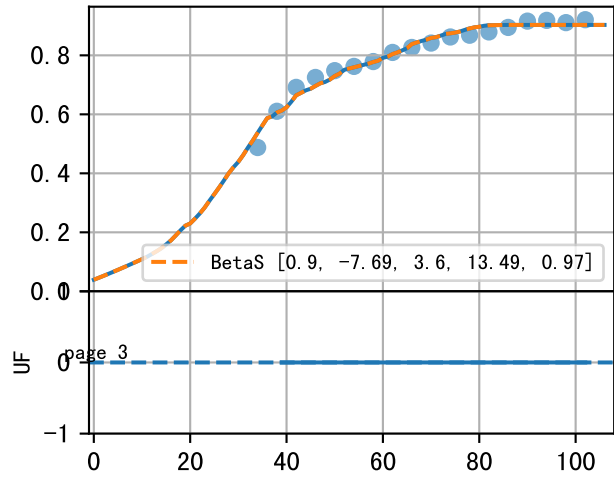
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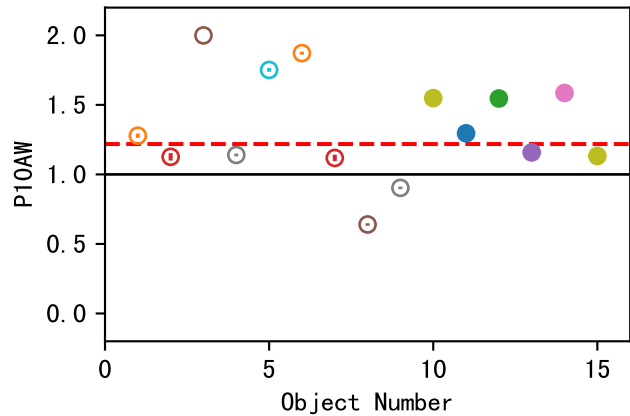
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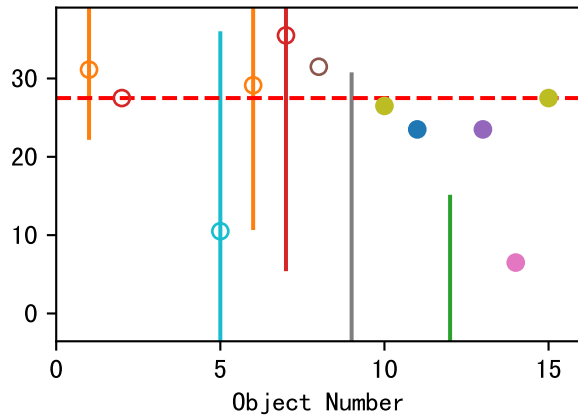
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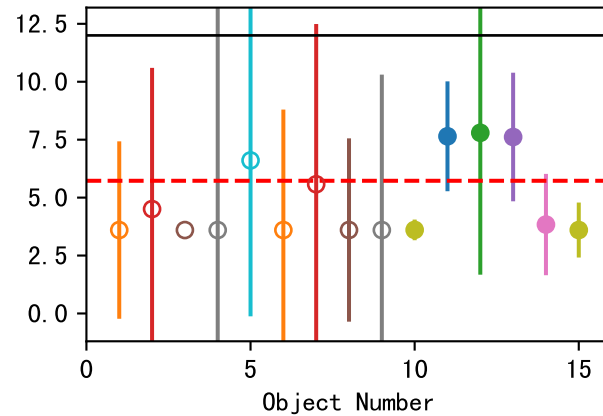
rmax (Def=1 Set=1.22)  
avg1=1.22~28% avg2=na



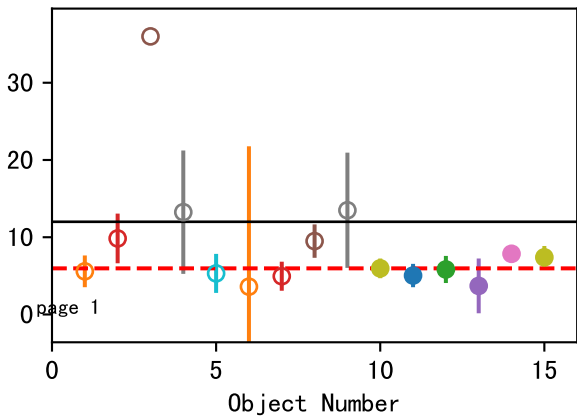
tb (Def=na Set=na)  
avg1=1.22~14% avg2=na



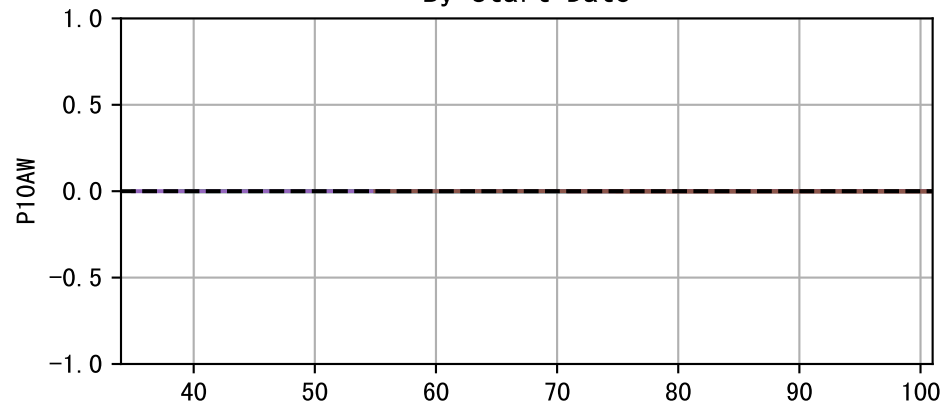
dm (Def=12 Set=5.73)  
avg1=5.73~38% avg2=na



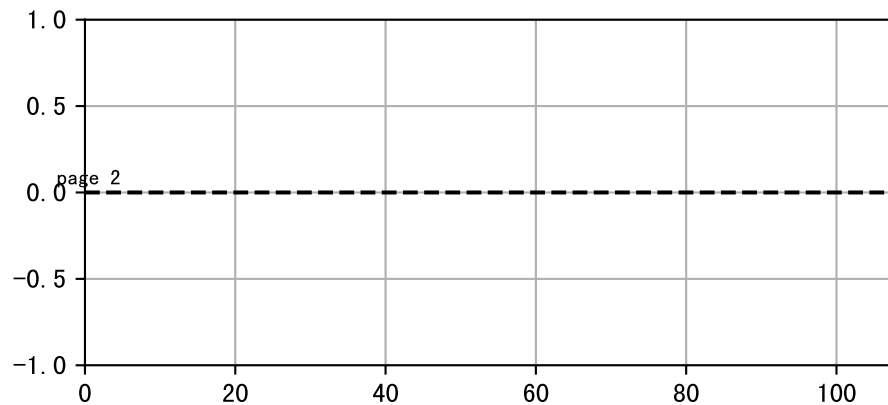
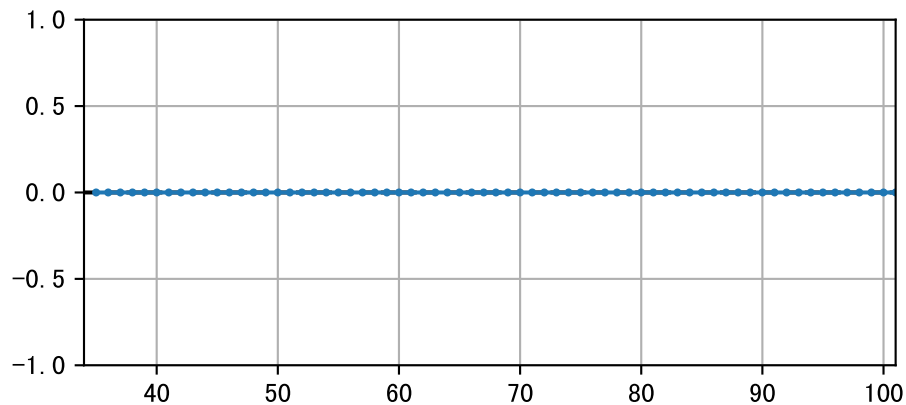
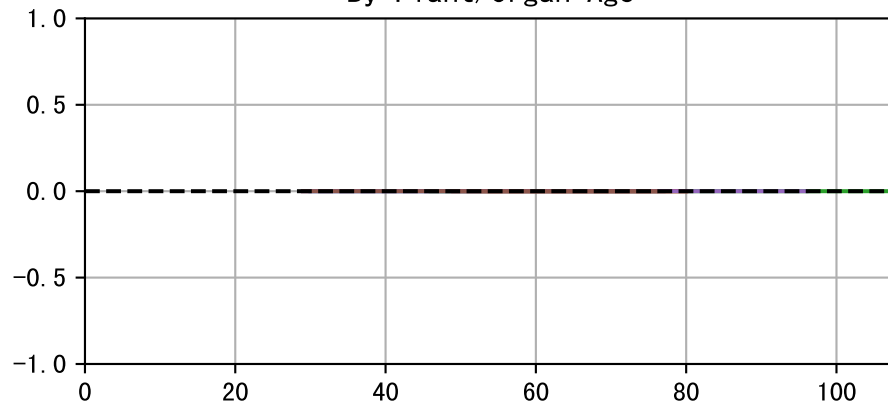
de (Def=12 Set=5.97)  
avg1=5.97~53% avg2=na

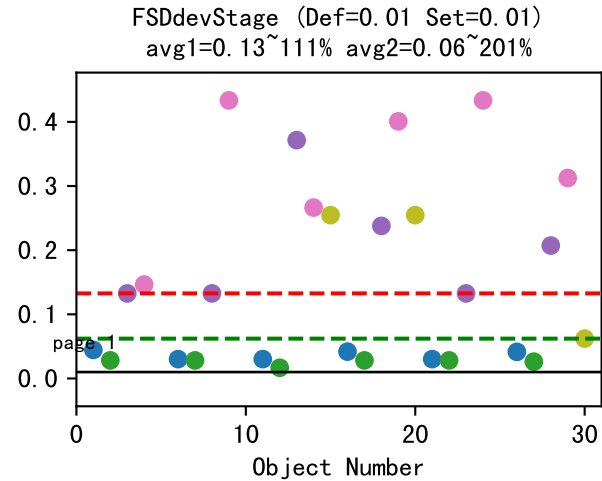
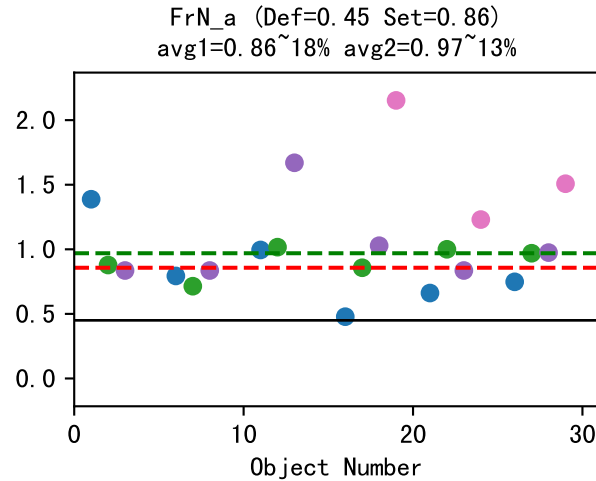
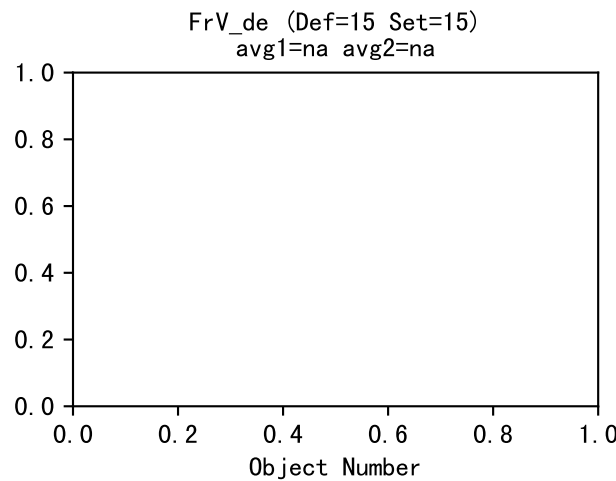
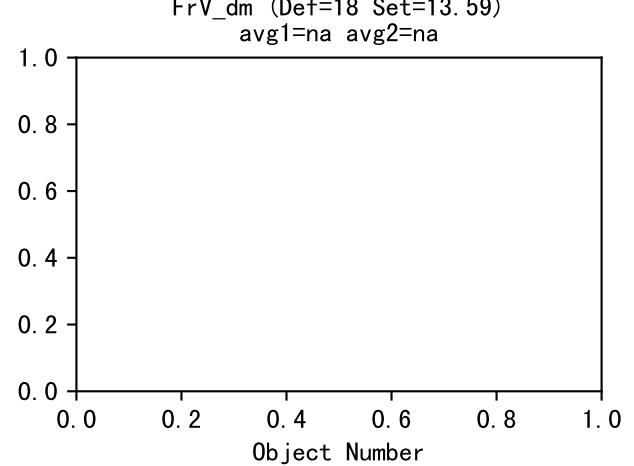
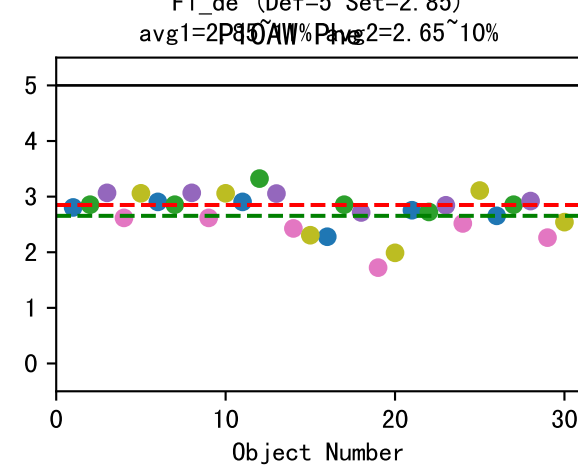
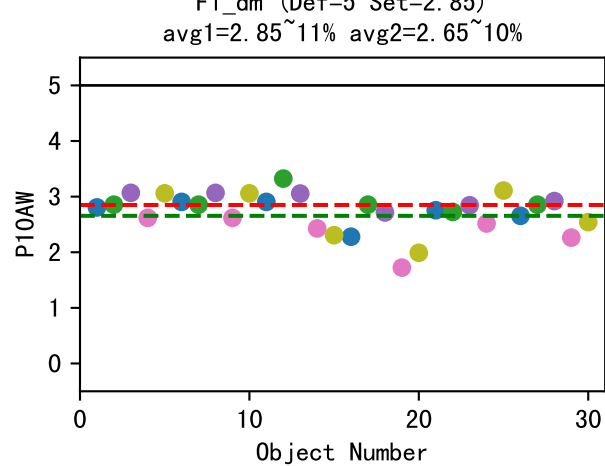


By Start Date

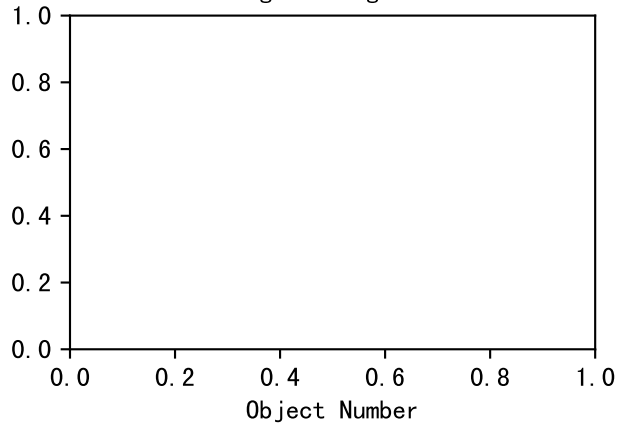


By Plant/Organ Age

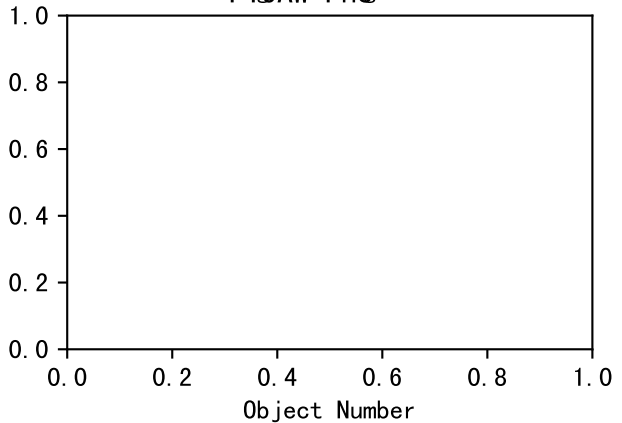




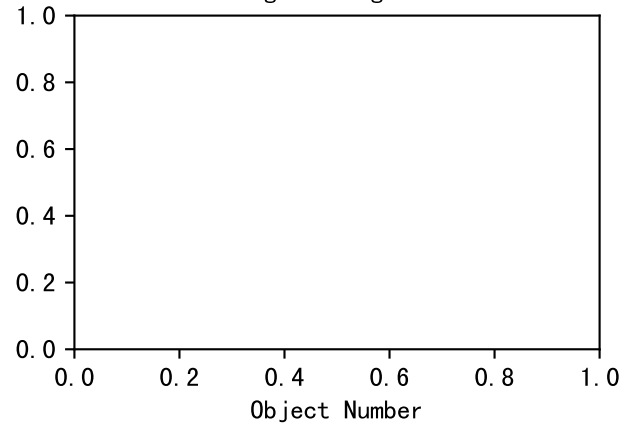
FGDdevStage (Def=0.7 Set=0.7)  
avg1=na avg2=na



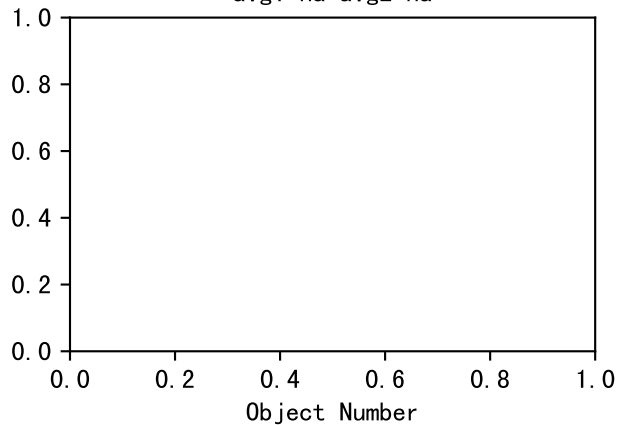
FMBDdevStage (Def=1.3 Set=1.3)  
avg1=na avg2=na



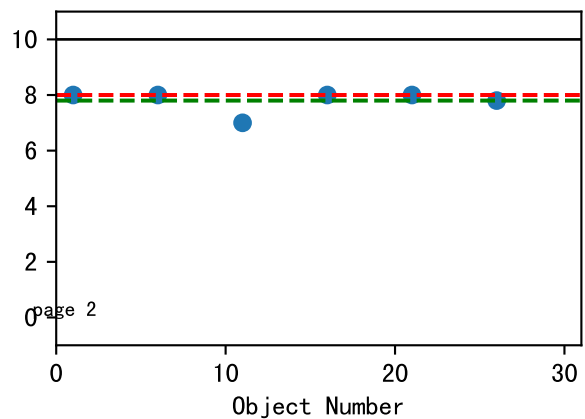
FMEDdevStage (Def=1.8 Set=1.8)  
avg1=na avg2=na



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

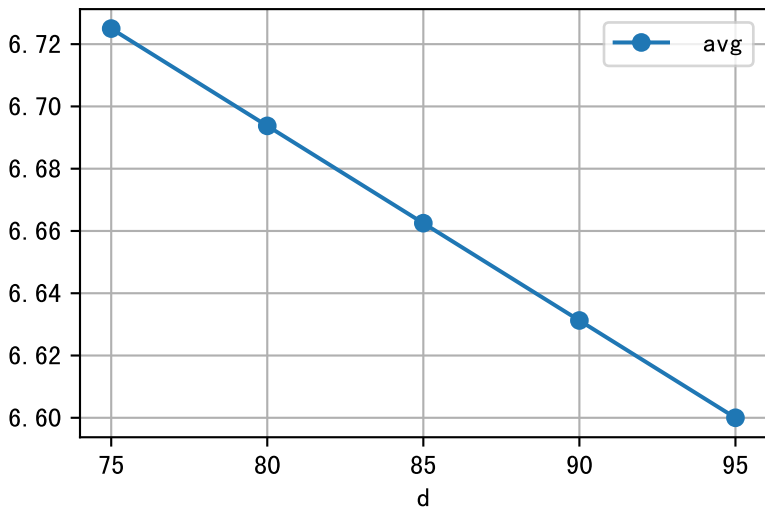


NNgen (Def=10 Set=8)  
avg1=8.0~0% avg2=7.8

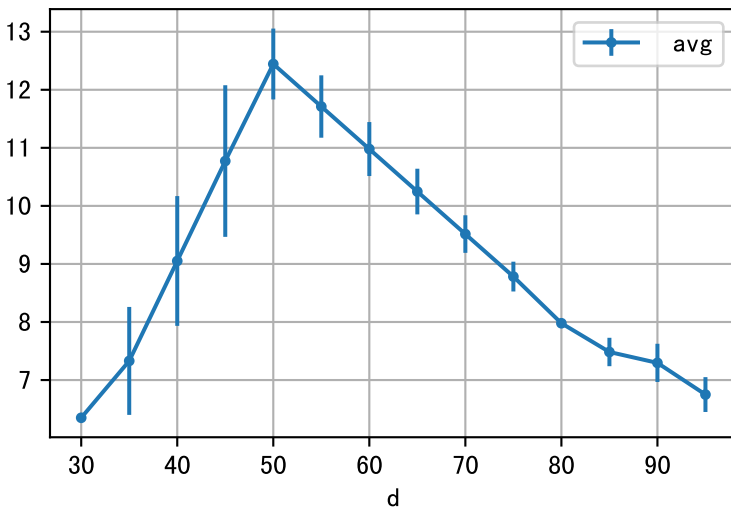


# NdD: avg vs. d at each age group

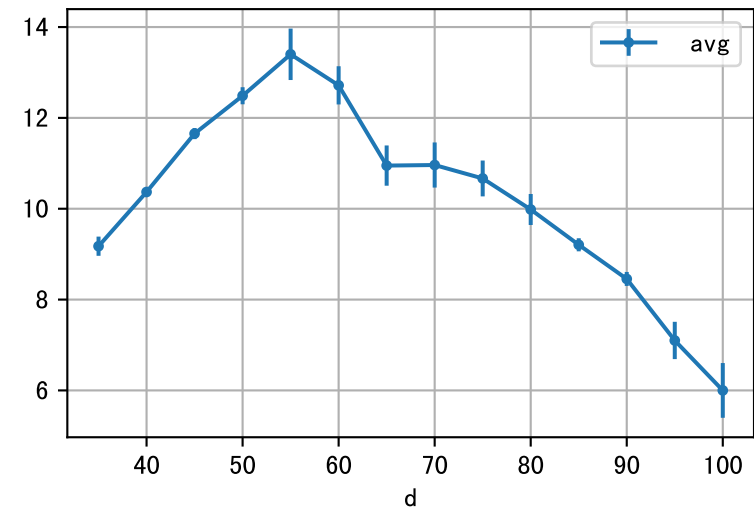
## age=20



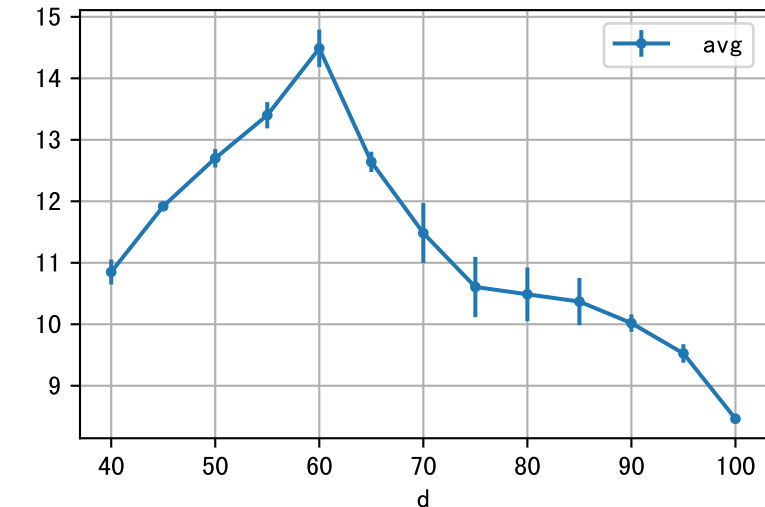
## age=25



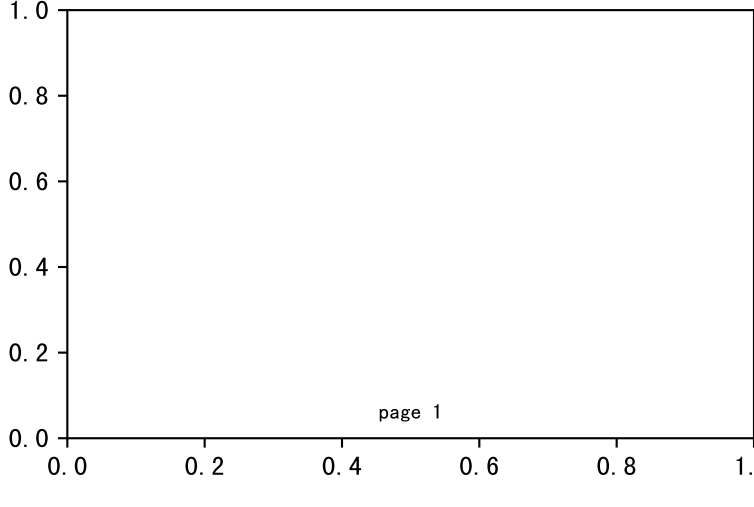
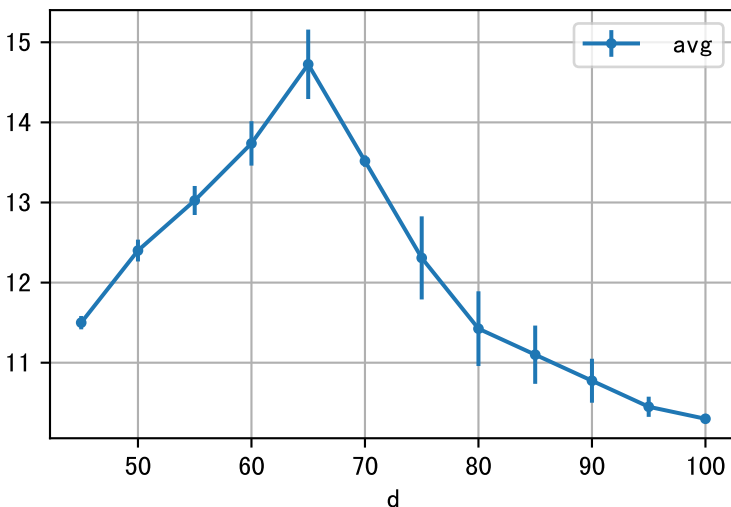
## age=30



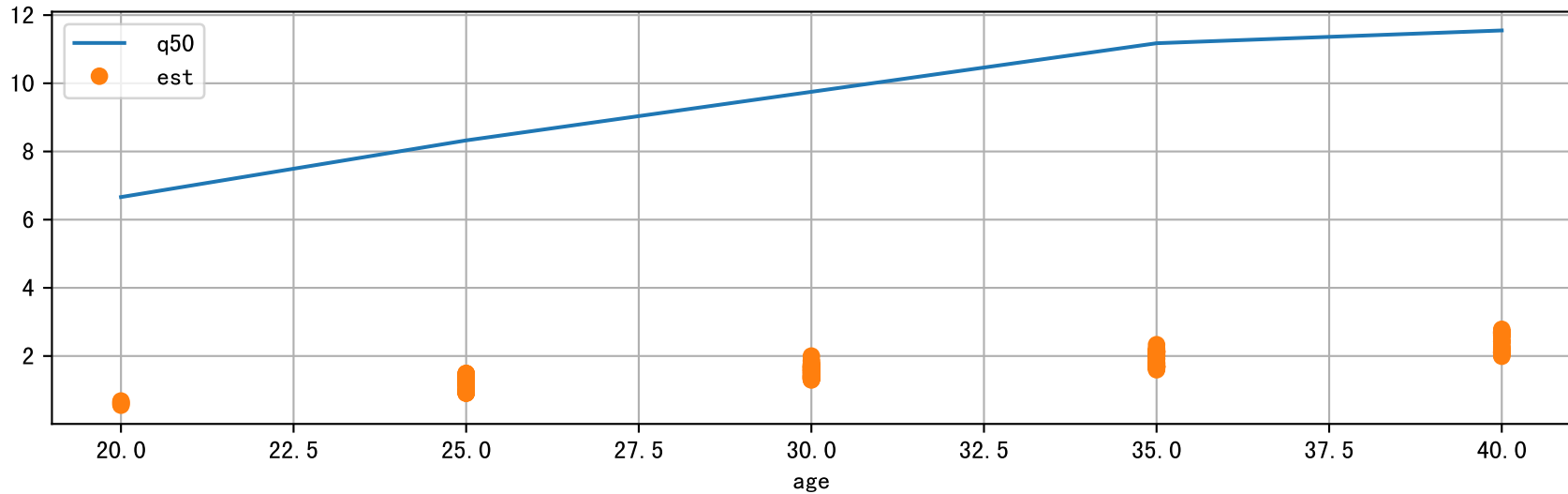
## age=35



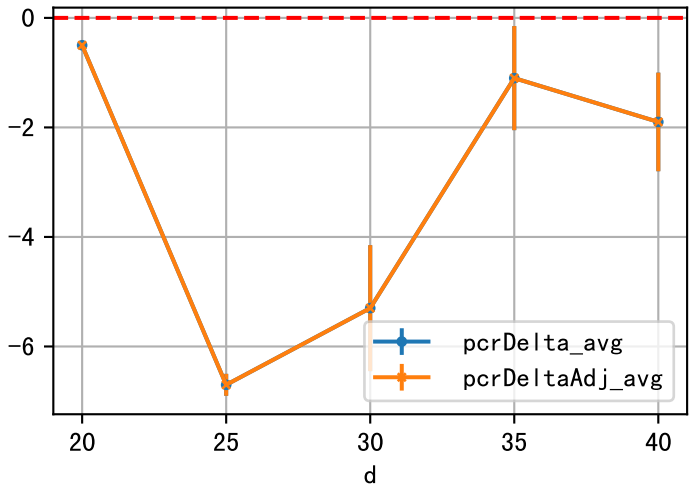
## age=40



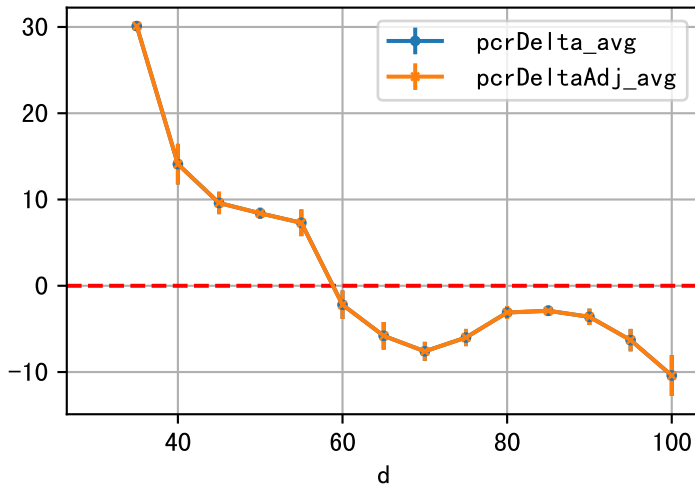
NdD: model est vs obs0v@Q50



DeltaTypeAbbr=GrpByAge

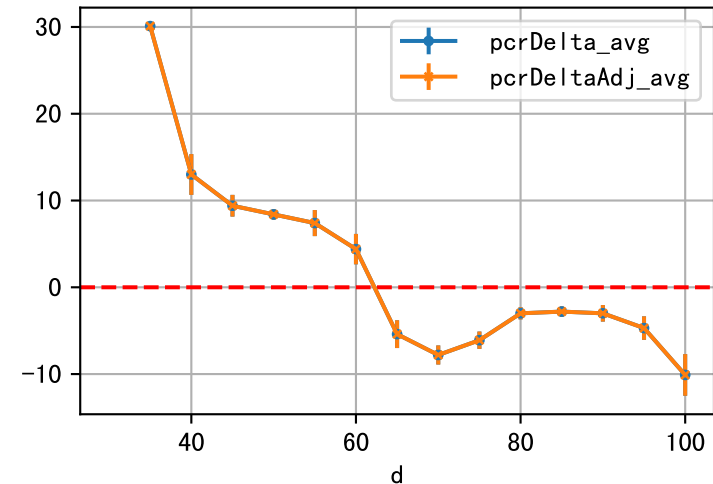


DeltaTypeAbbr=GrpByDay

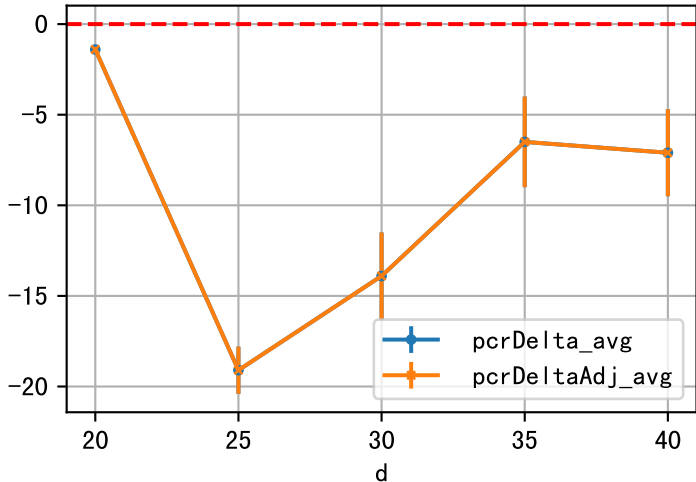


page 3

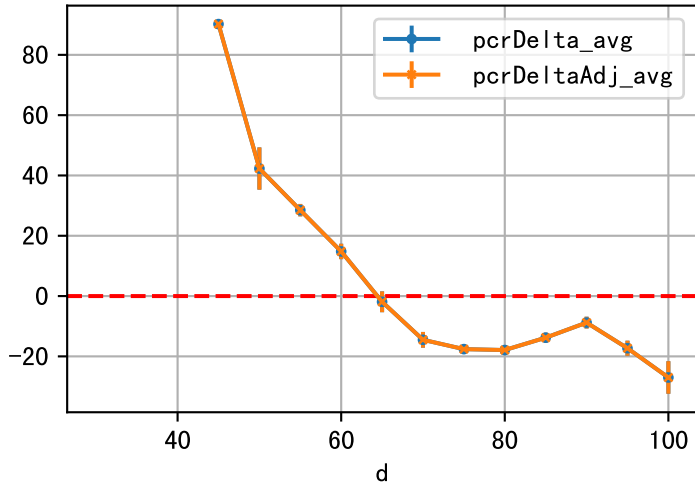
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

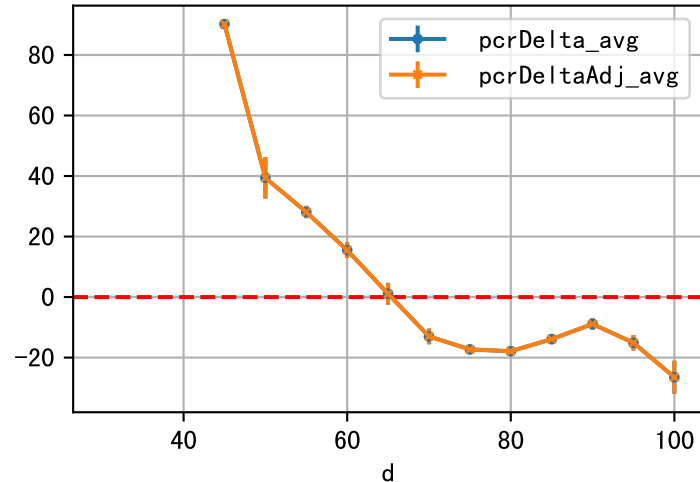


DeltaTypeAbbr=GrpByDay

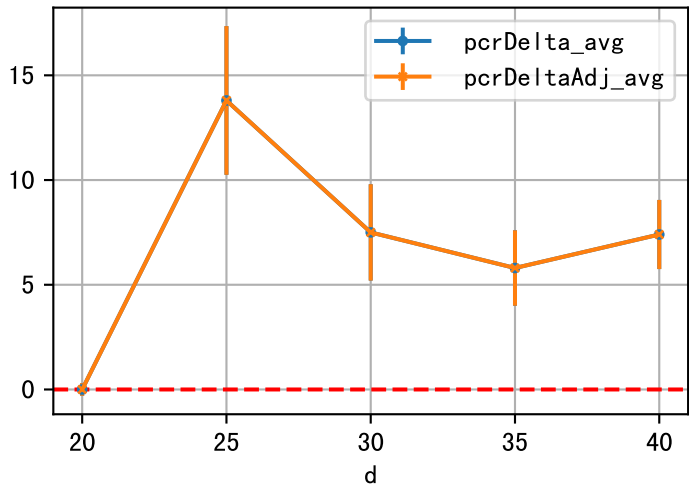


page 4

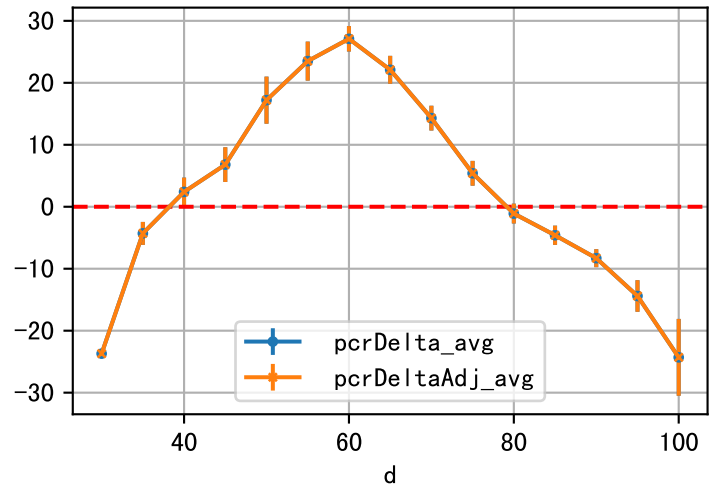
DeltaTypeAbbr=WeiAvgByD



DeltaTypeAbbr=GrpByAge

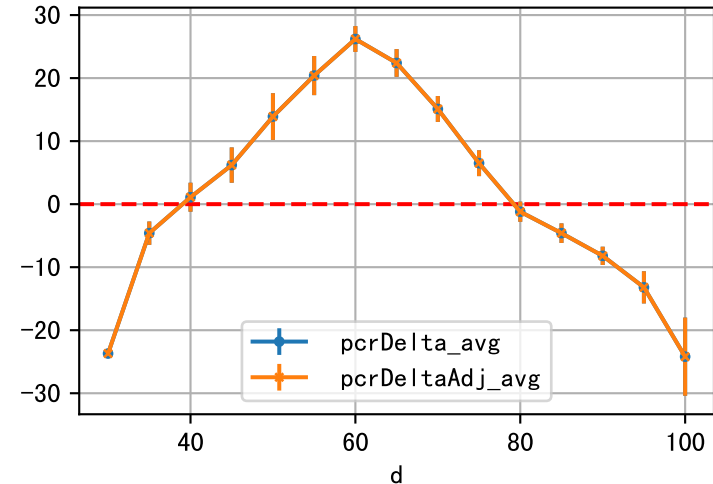


DeltaTypeAbbr=GrpByDay



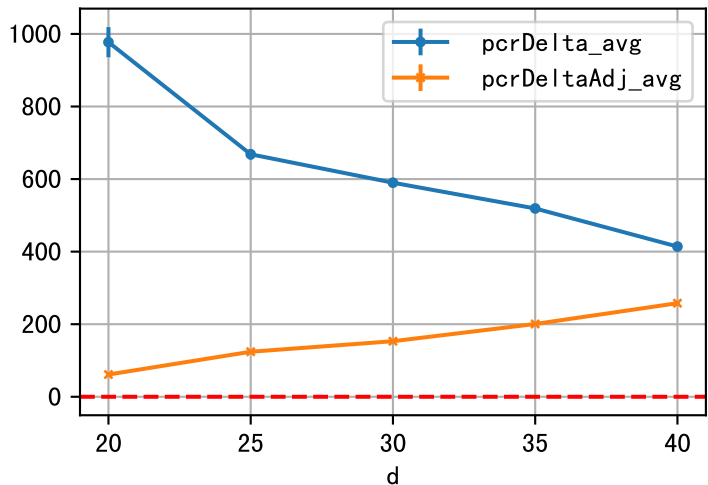
page 5

DeltaTypeAbbr=Wei AvgByD

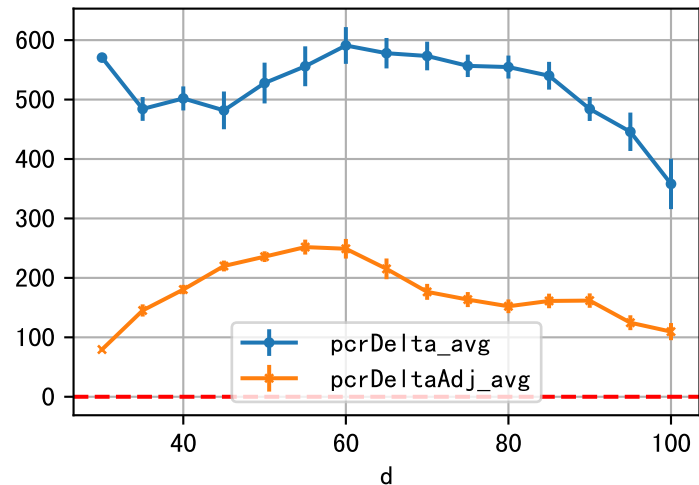


# P10AW NdD: D\_Est\_NdD

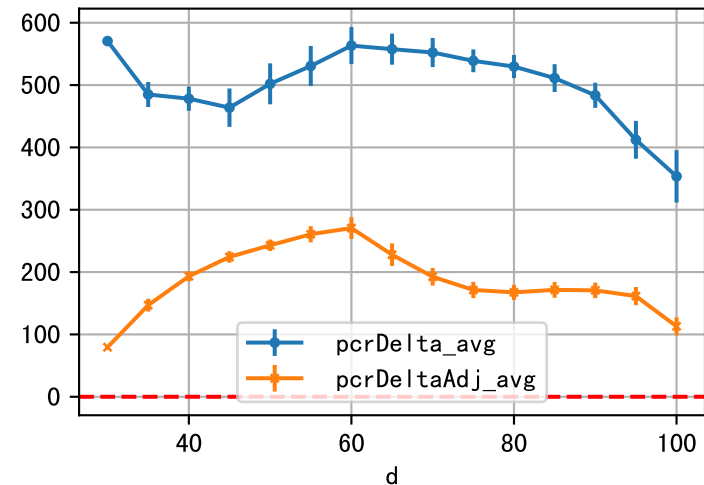
## DeltaTypeAbbr=GrpByAge



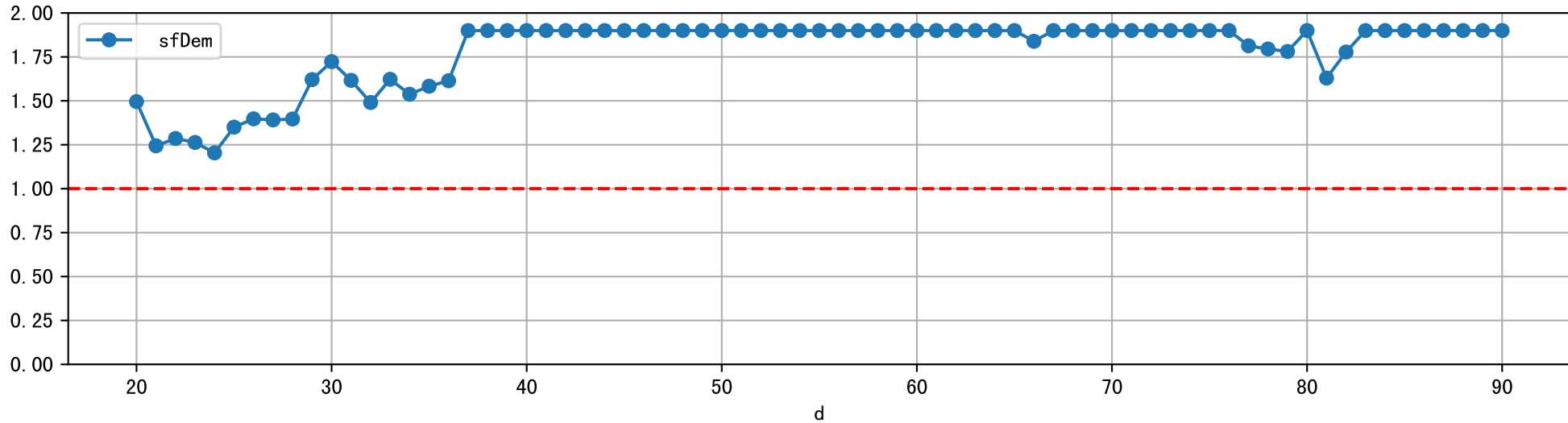
## DeltaTypeAbbr=GrpByDay

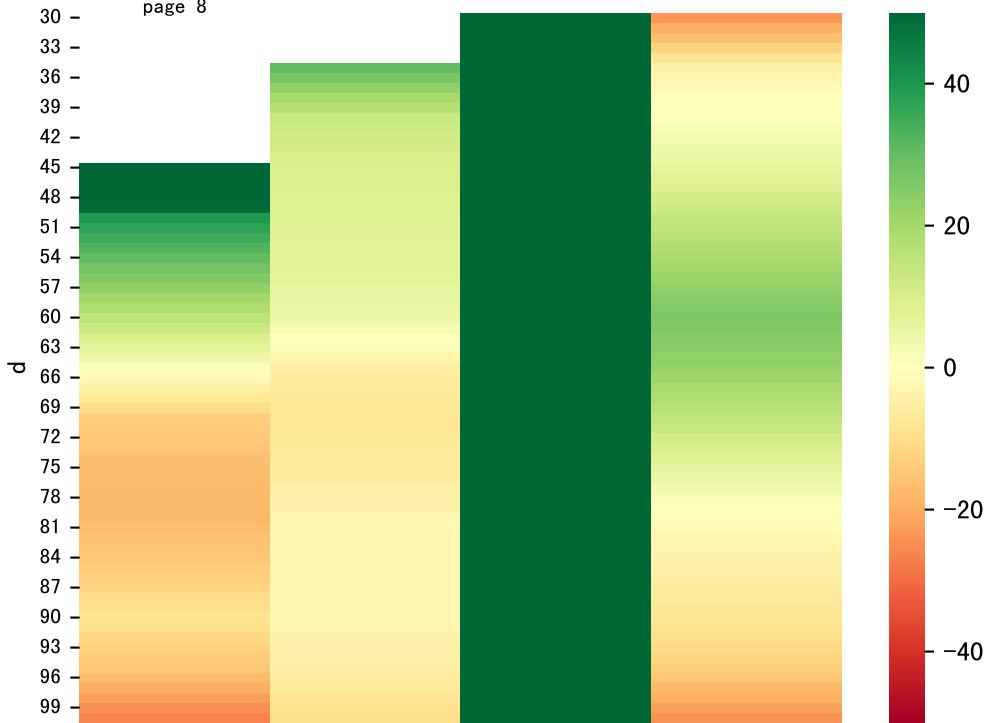


## DeltaTypeAbbr=Wei AvgByD

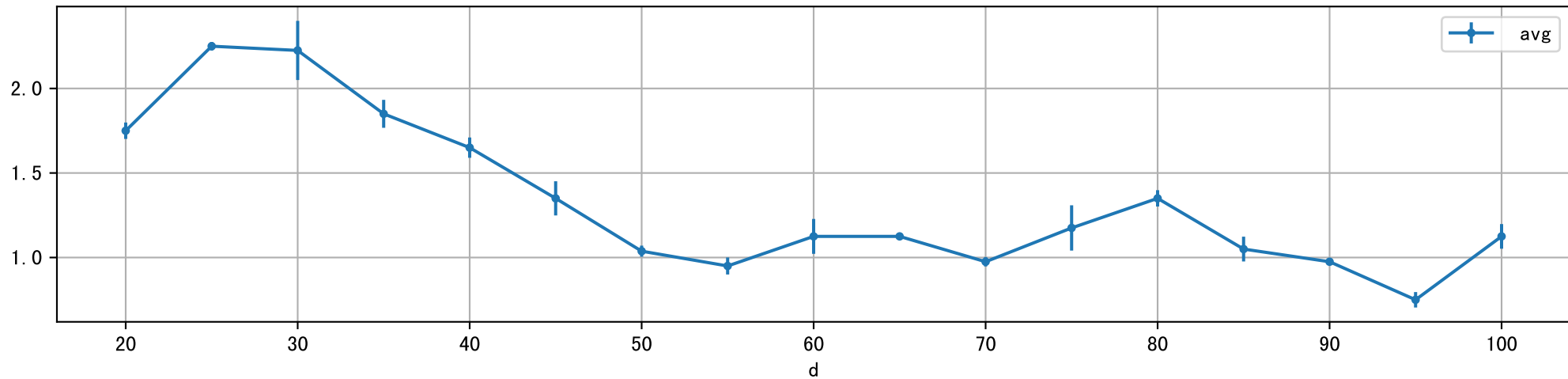


NdD: sfDem

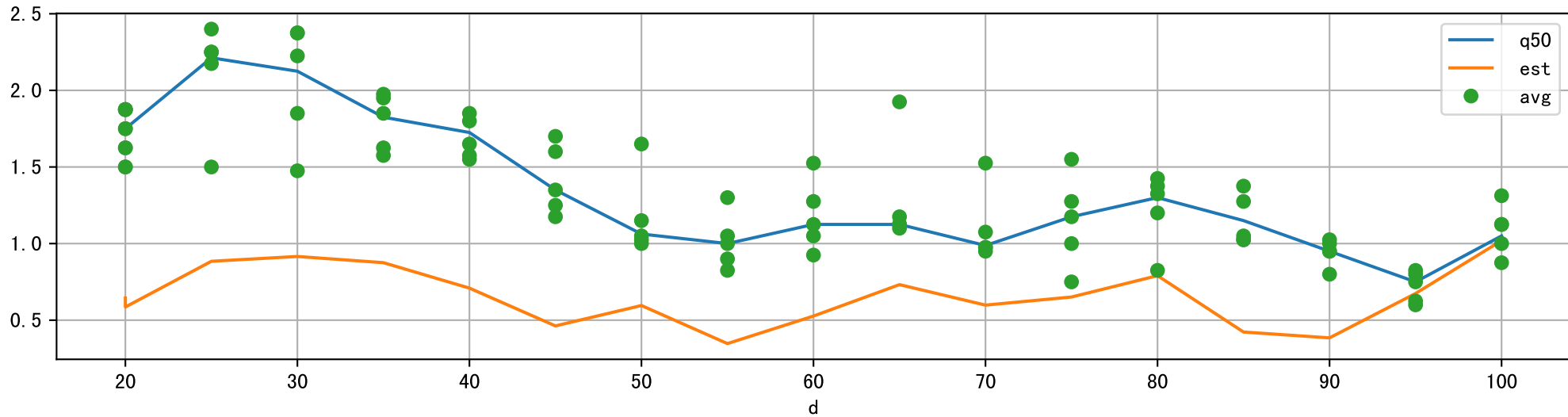




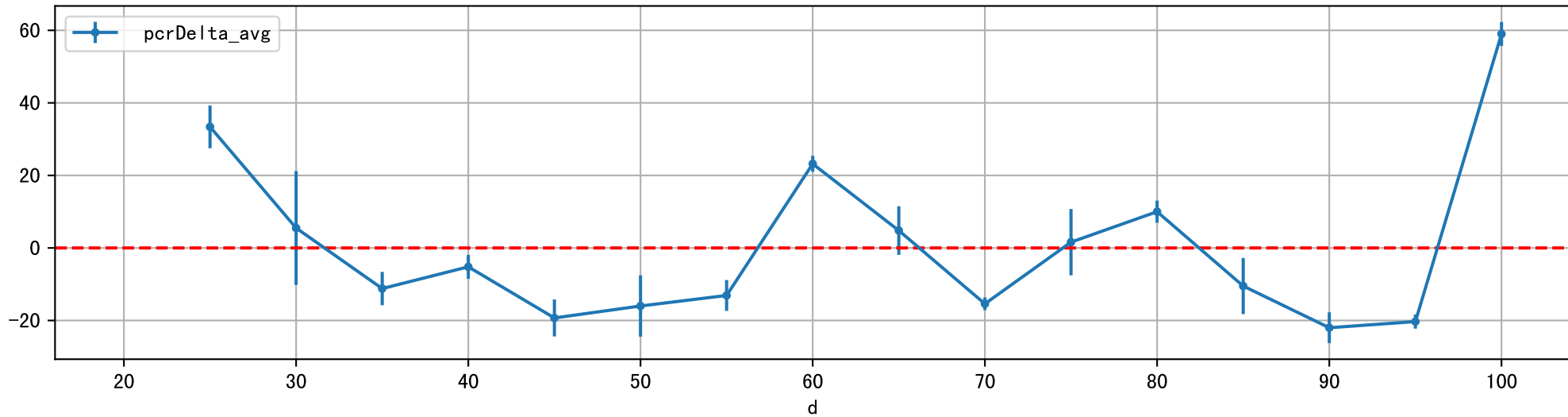
dStH: avg vs. d



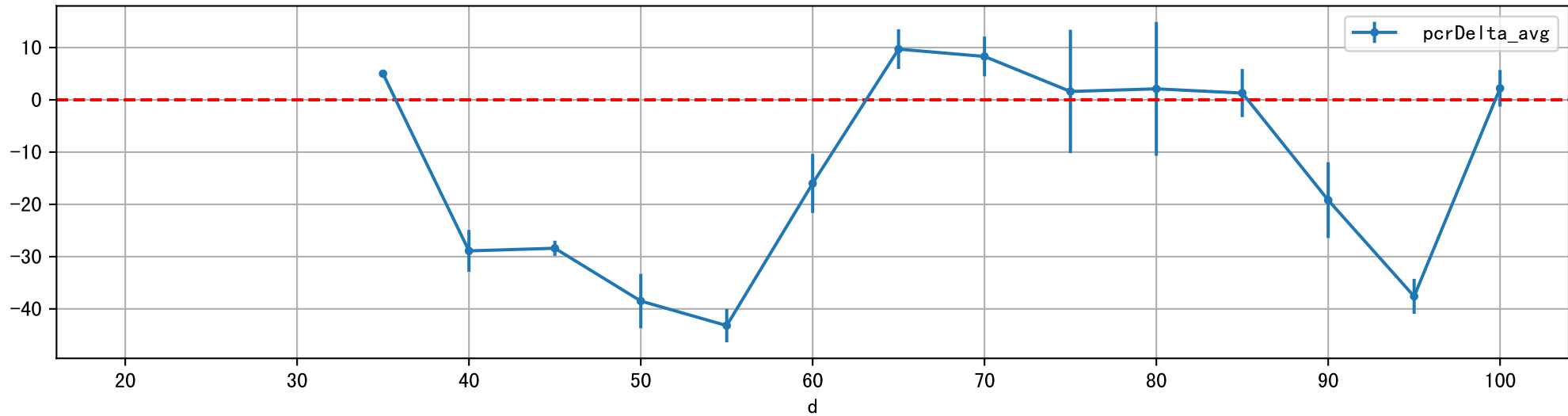
dStH: obsAvg vs obs0v@Q50



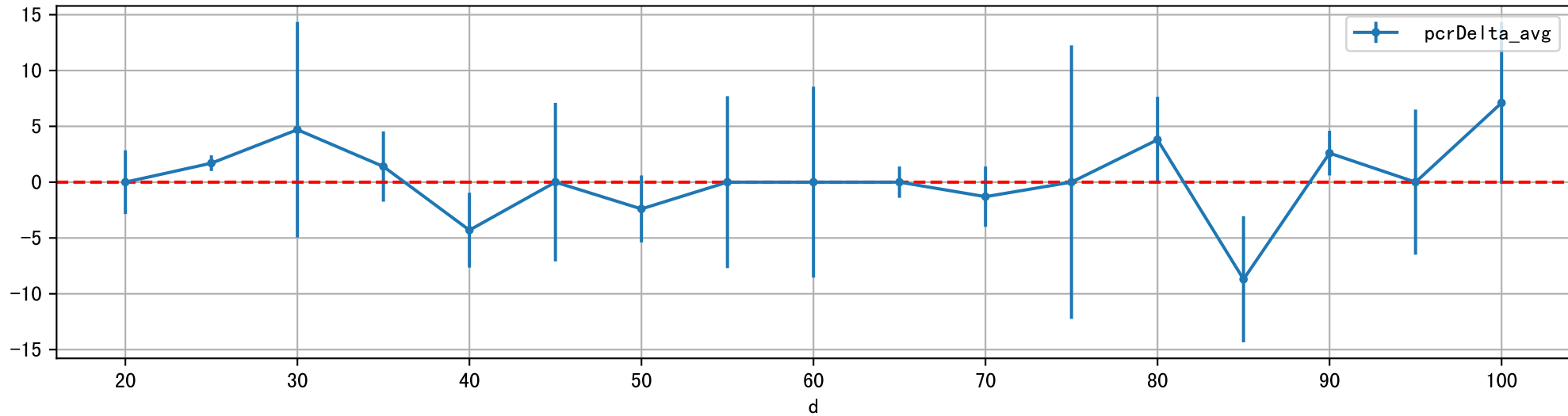
dStH: D\_5d\_StH



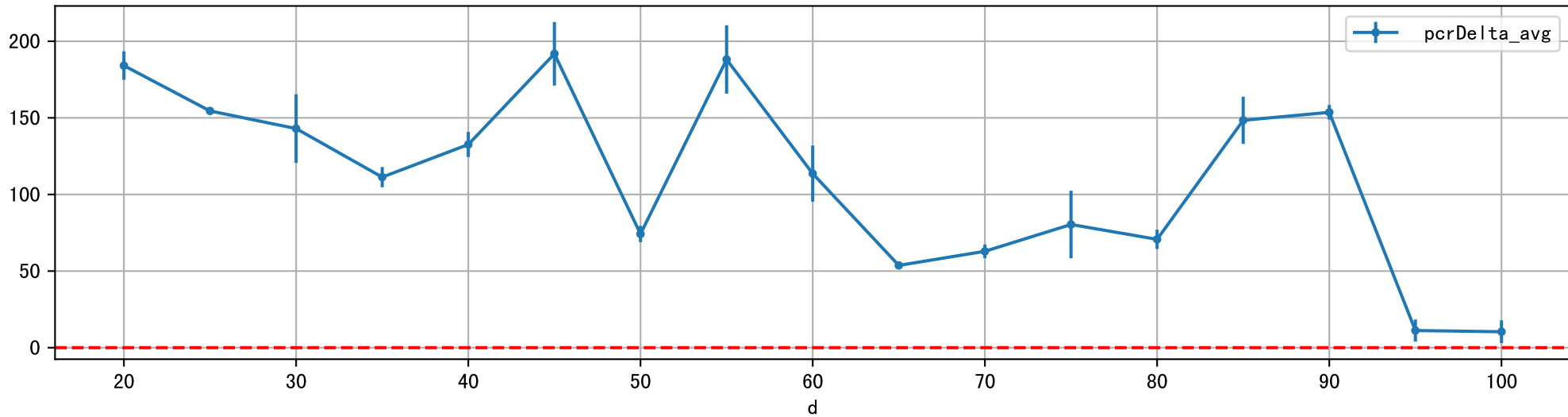
dStH: D\_15d\_StH



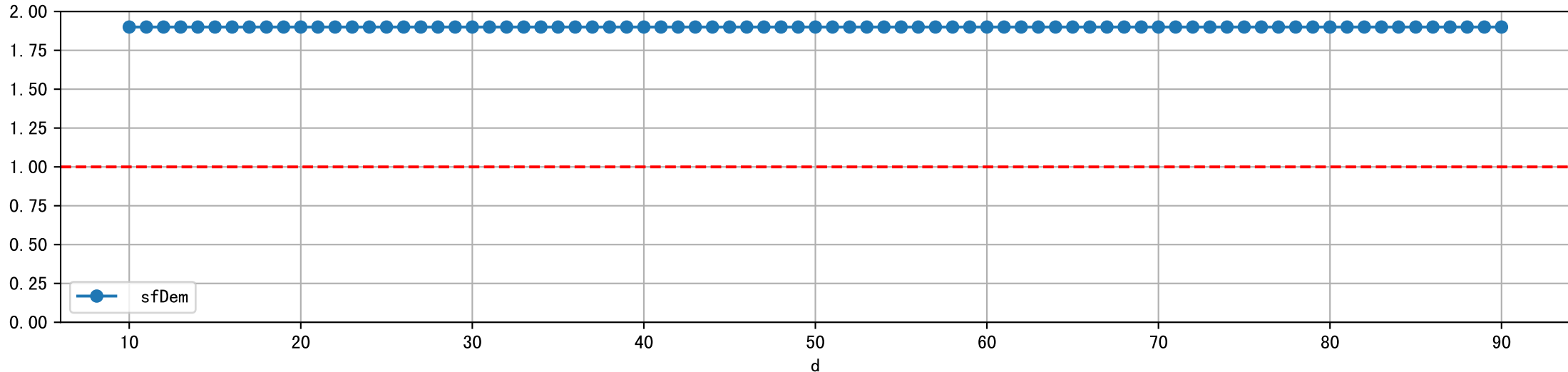
dStH: D\_Q50\_StH

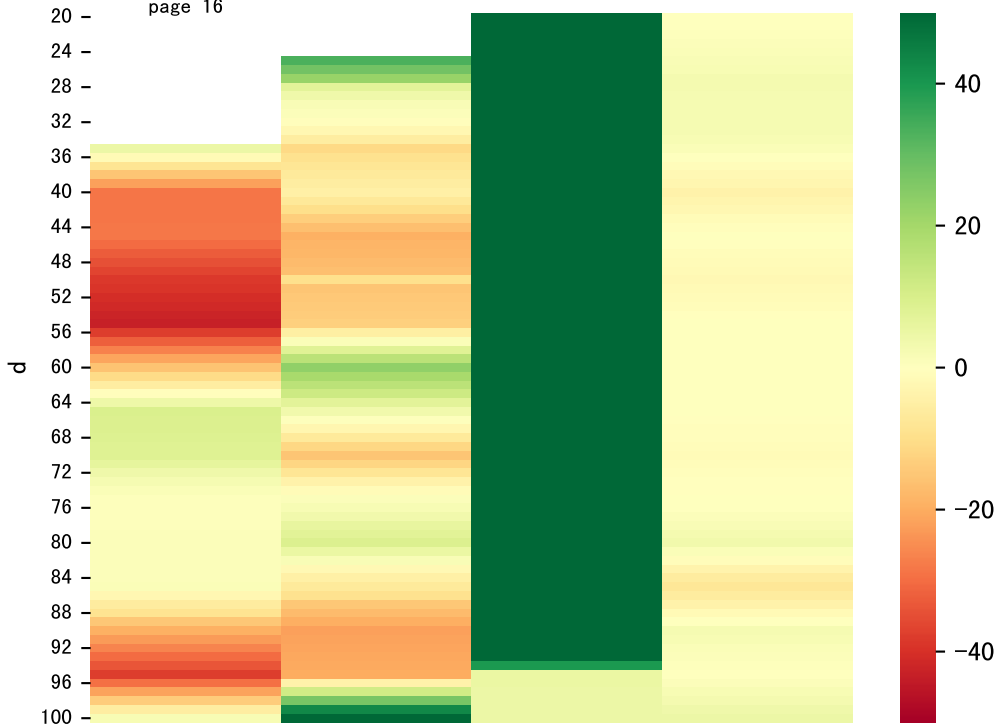


dStH: D\_Est\_StH



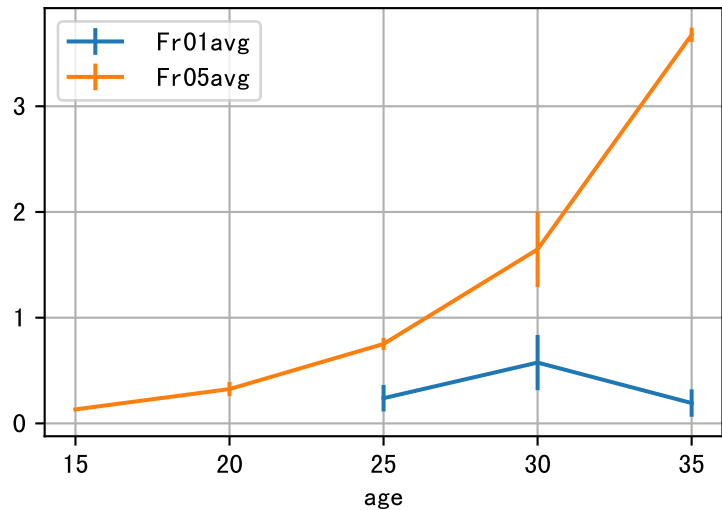
dStH: sfDem



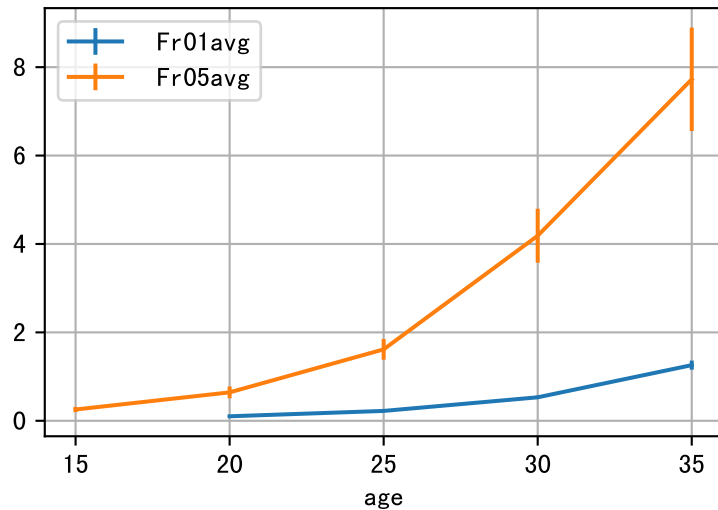


## FrV: Fr01 vs Fr05 at each truss

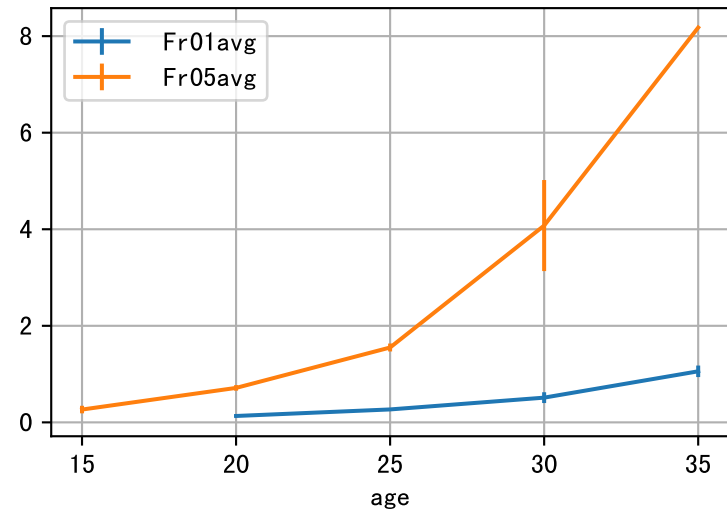
organID=T01



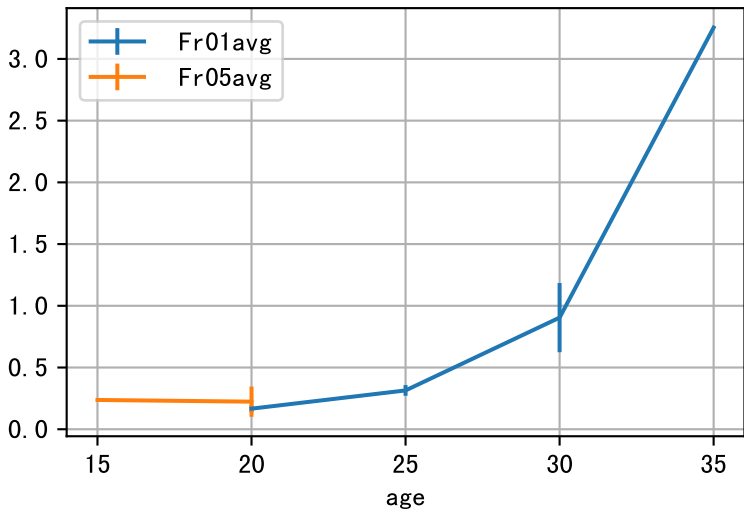
organID=T02



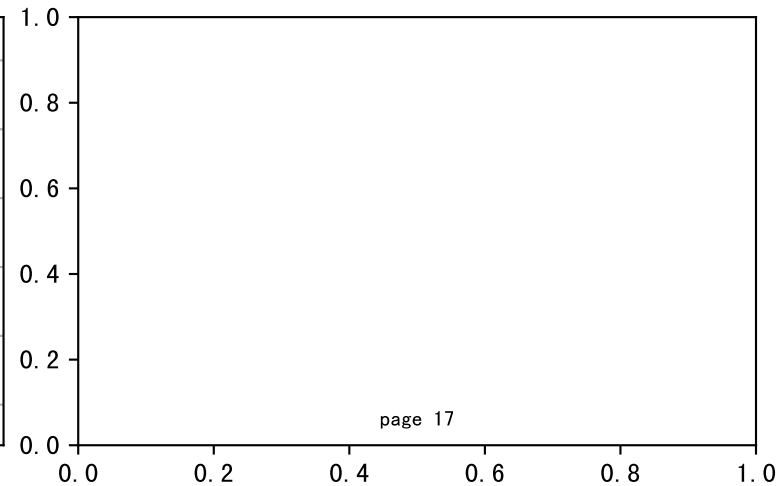
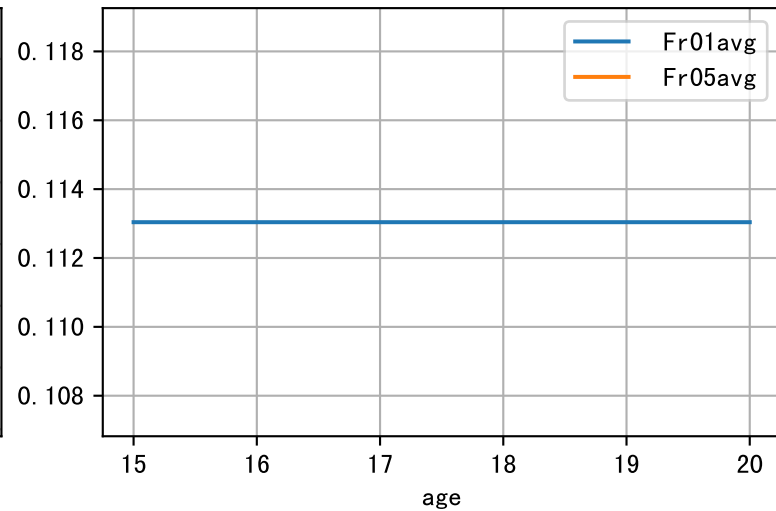
organID=T03



organID=T04

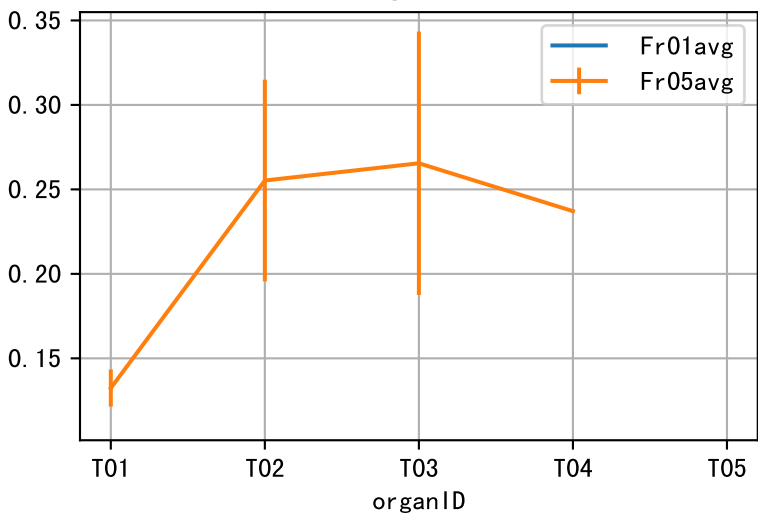


organID=T05

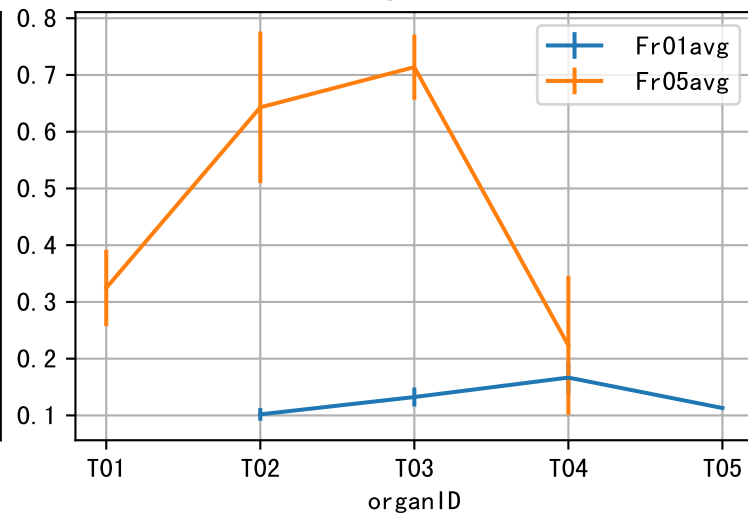


# FrV trend at each age

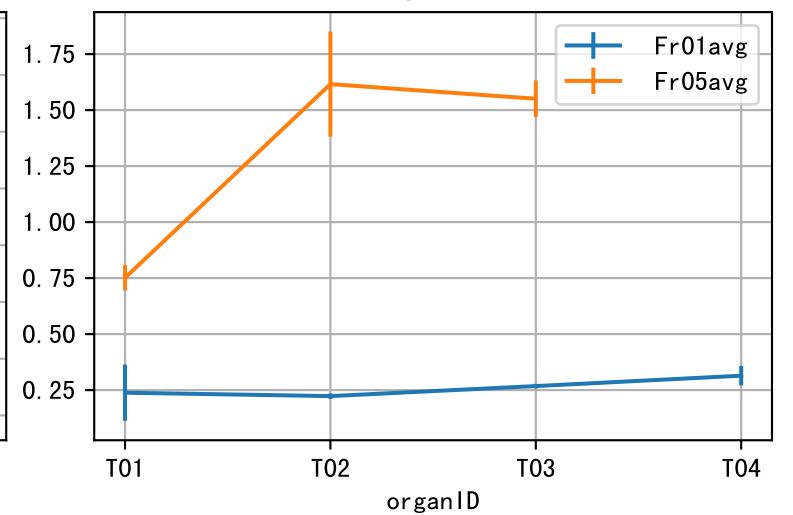
## age=15



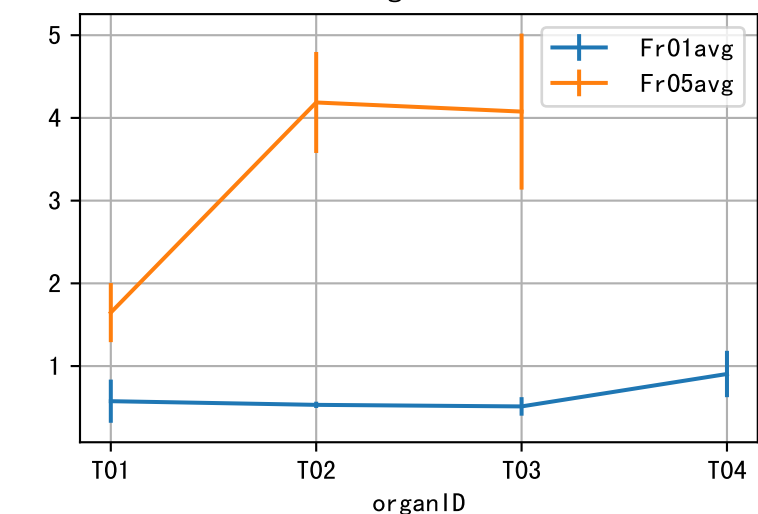
## age=20



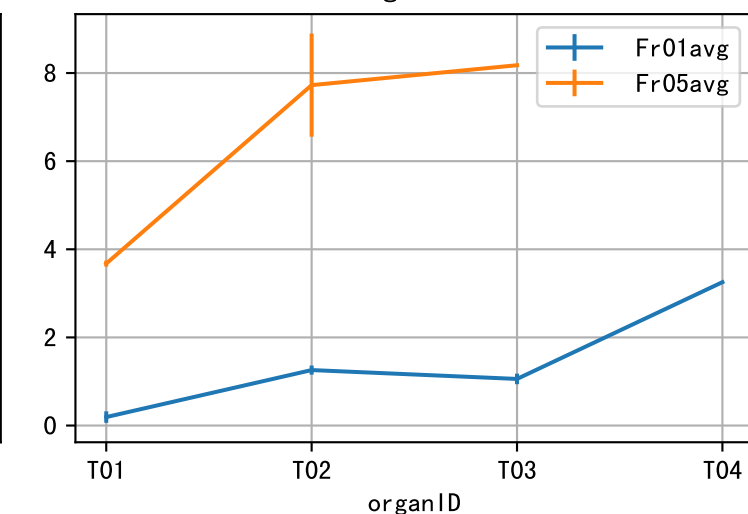
## age=25



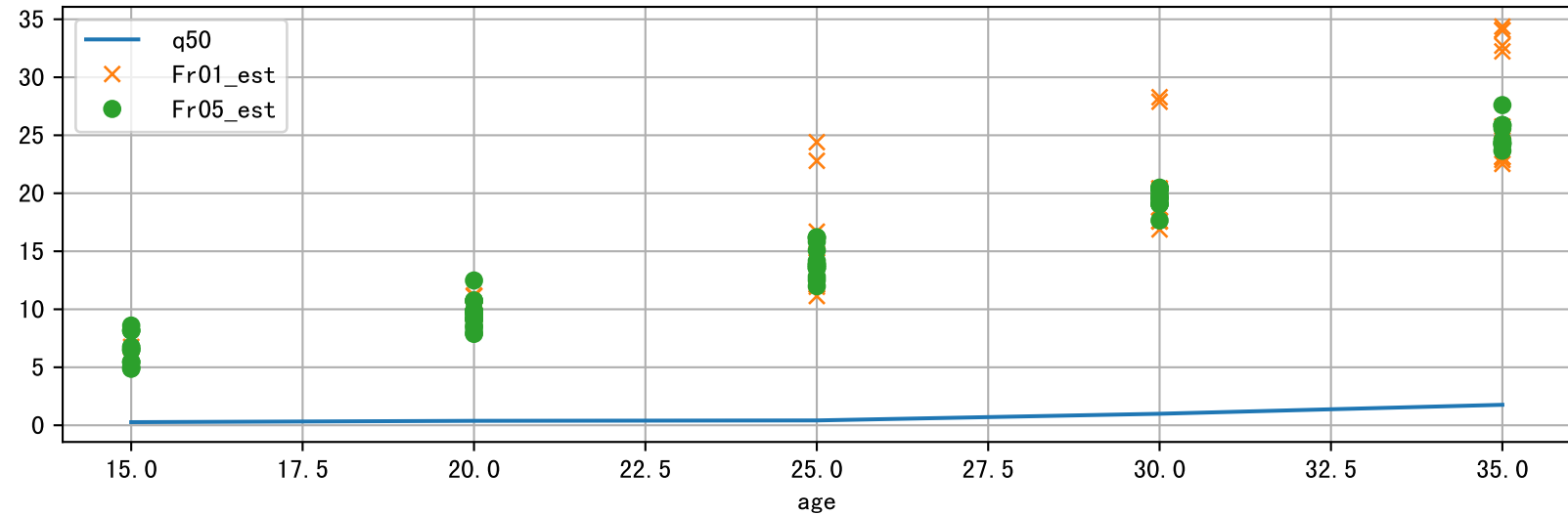
## age=30



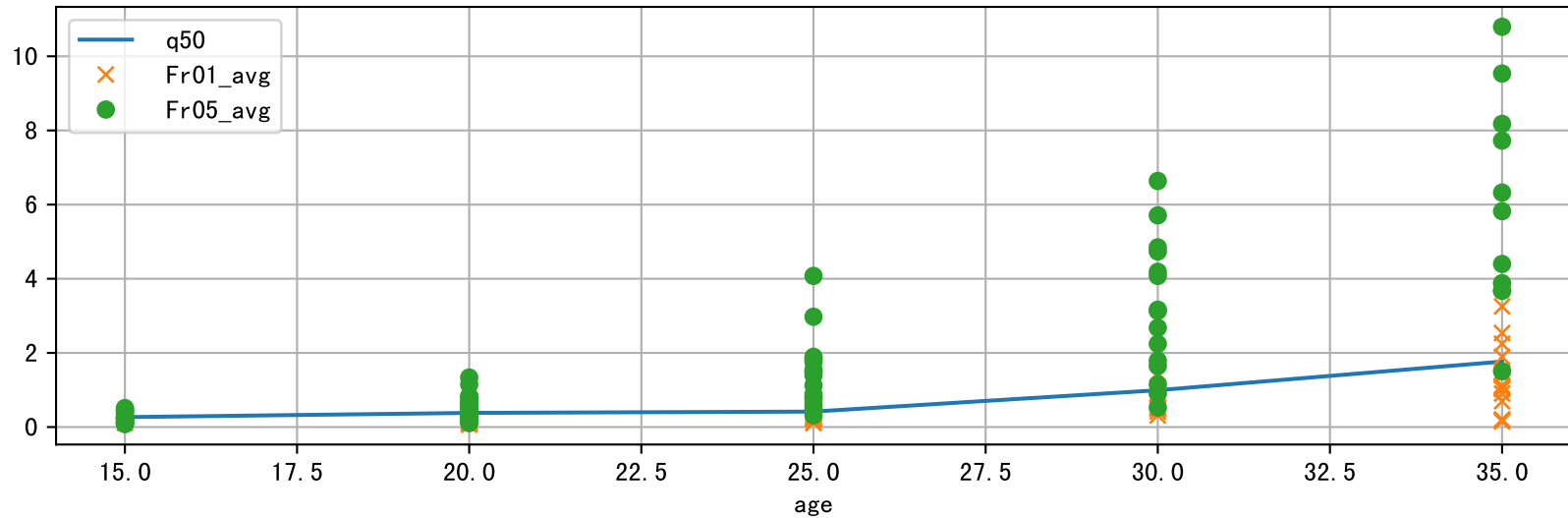
## age=35



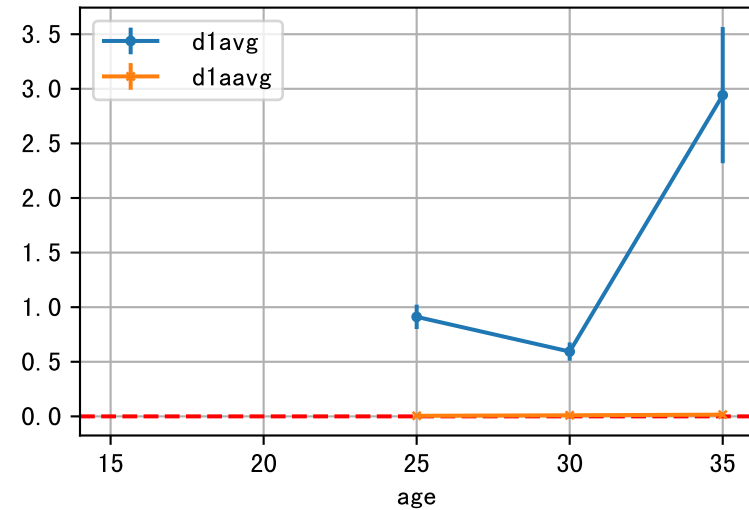
FrV: model Est vs obsFrV at Q90



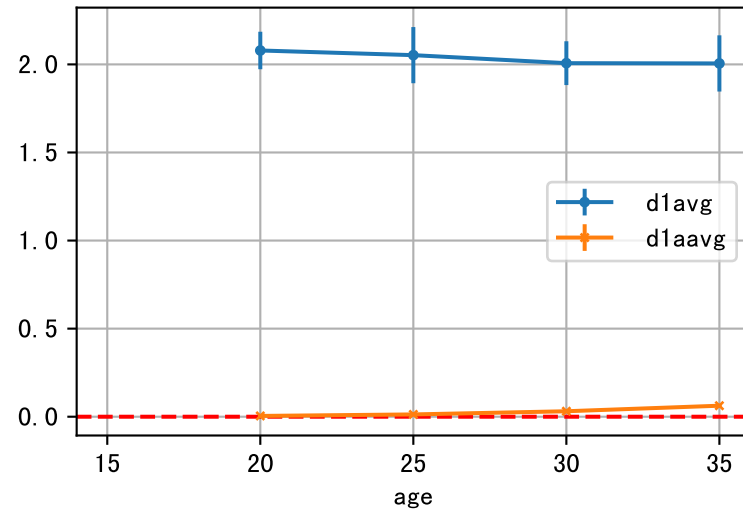
FrV: obsFrV vs obsFrV@Q90



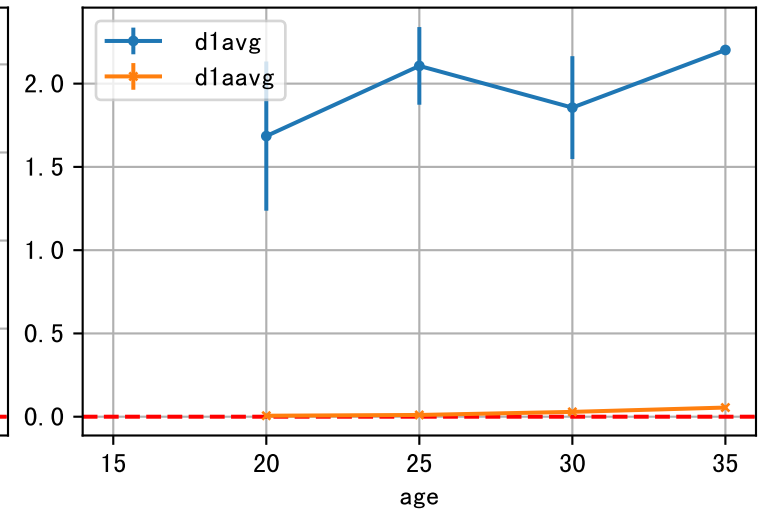
organID=1



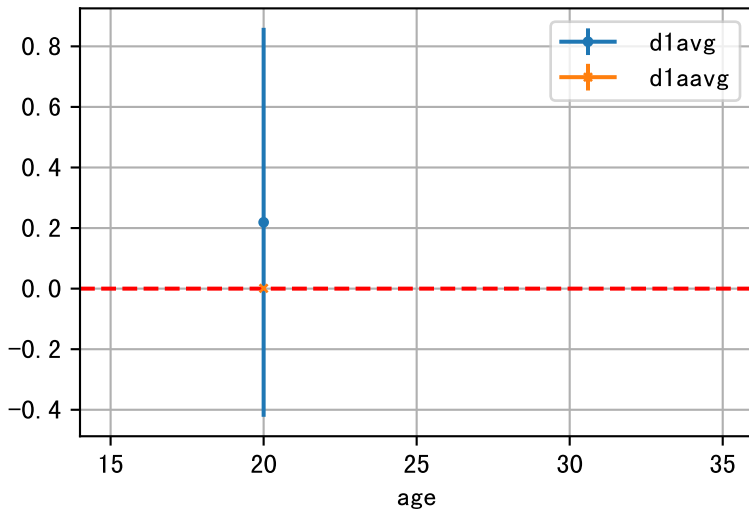
organID=2



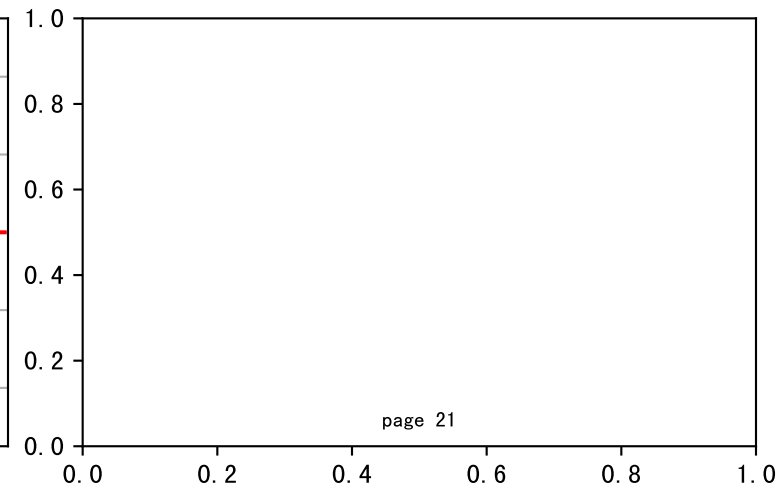
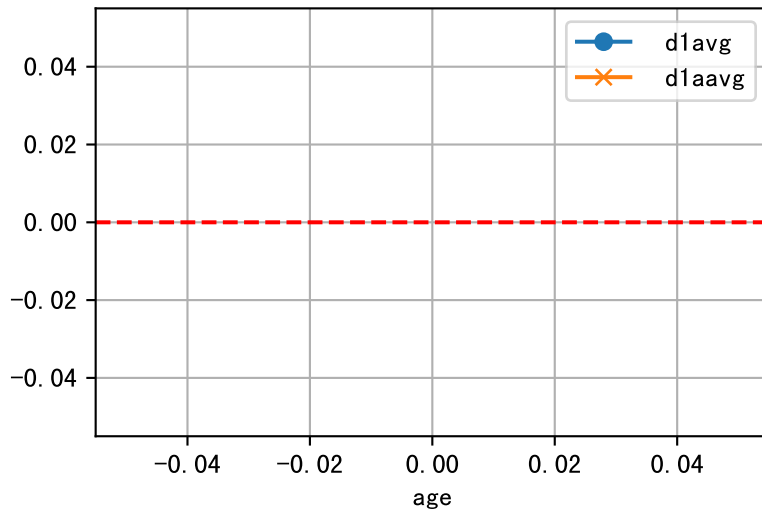
organID=3



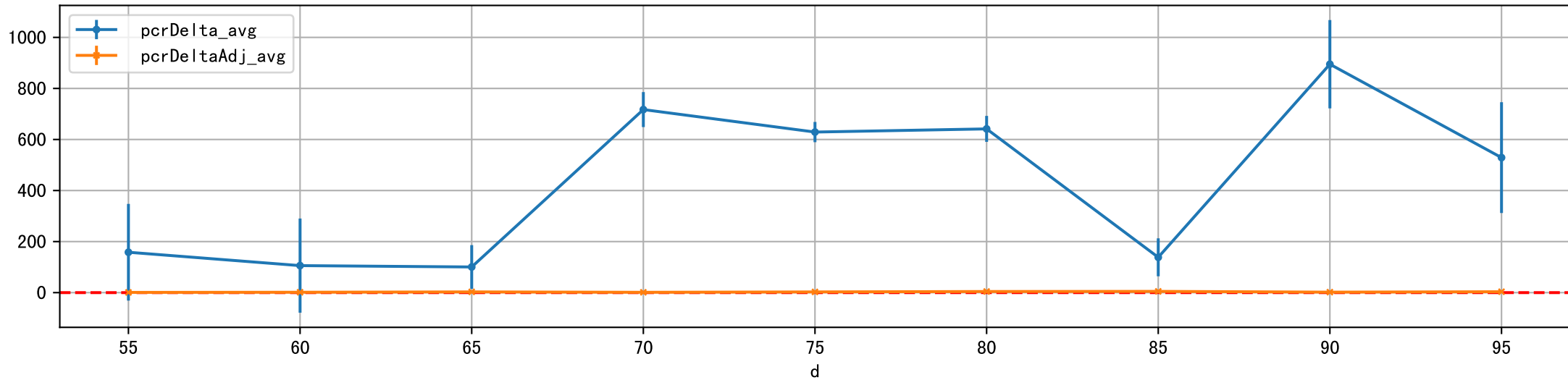
organID=4



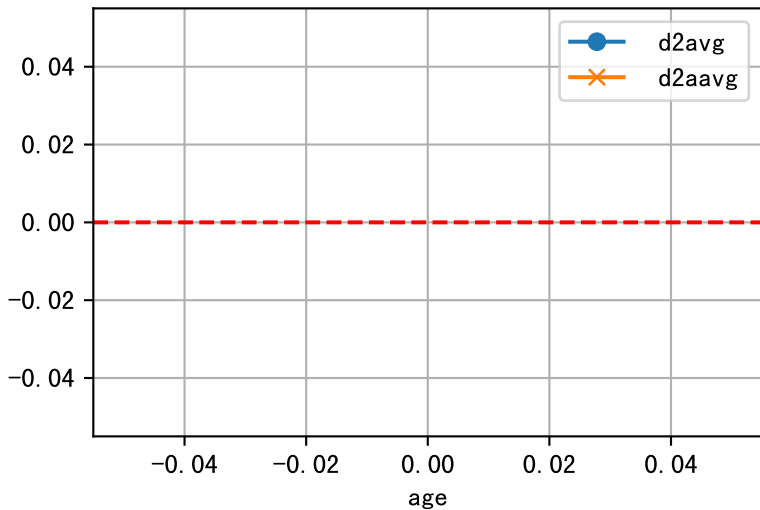
organID=5



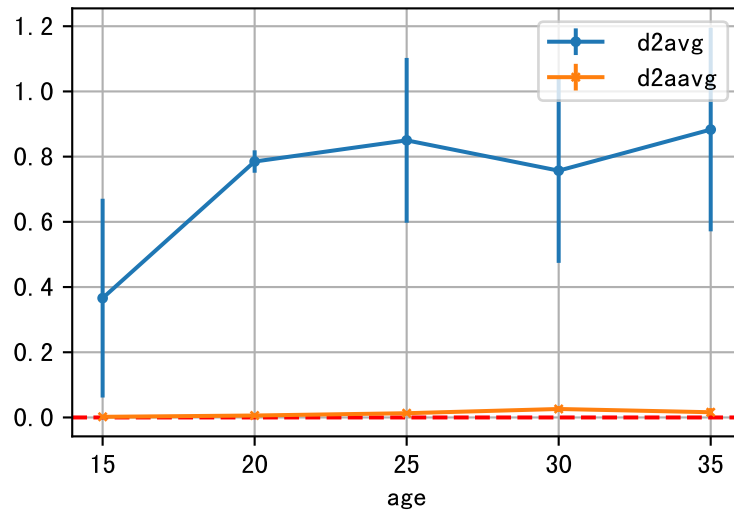
P10AW FrV: D\_Fr1\_FrV



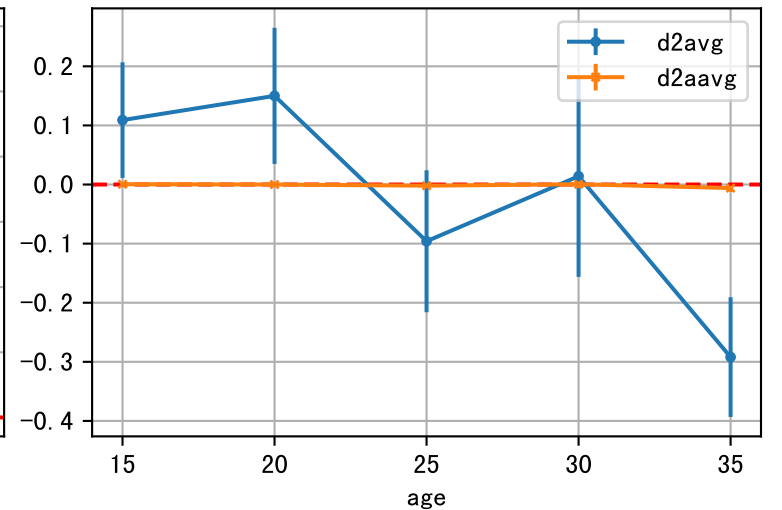
organID=1



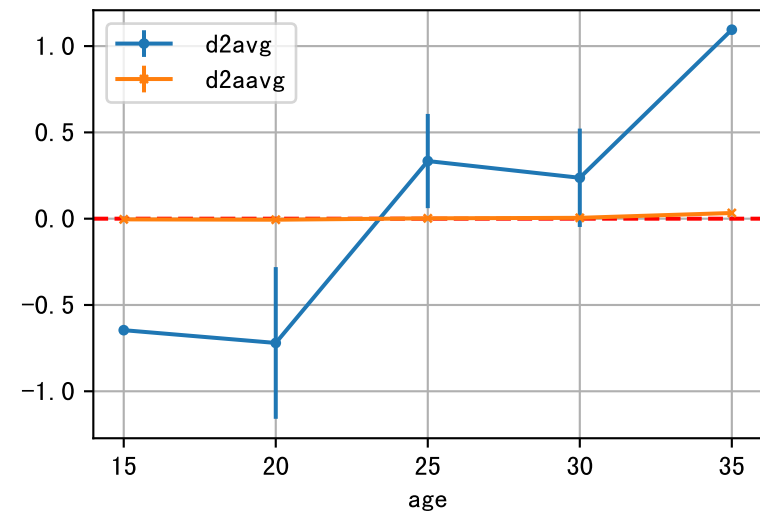
organID=2



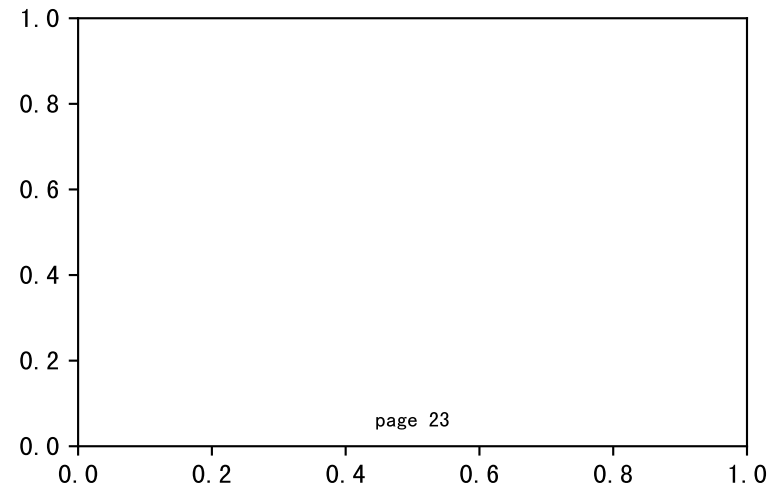
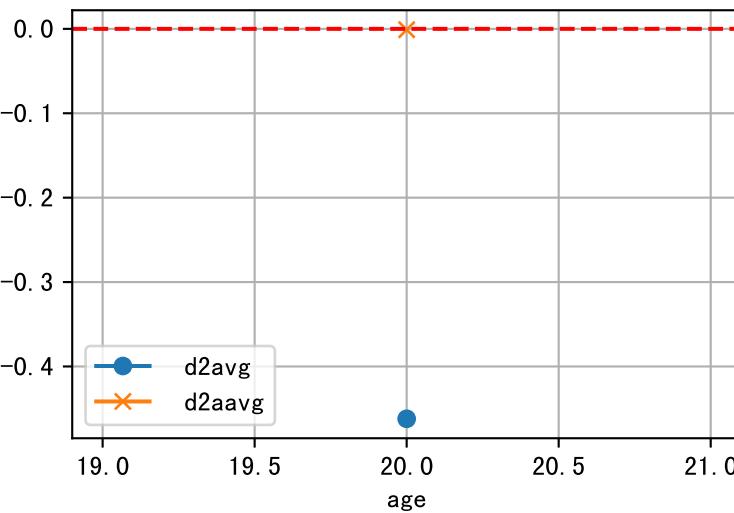
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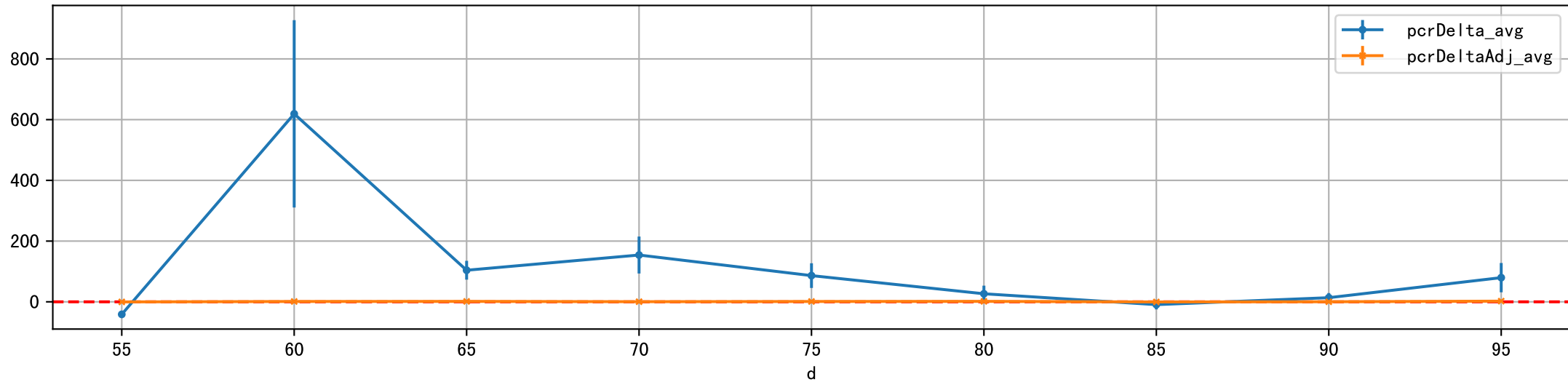
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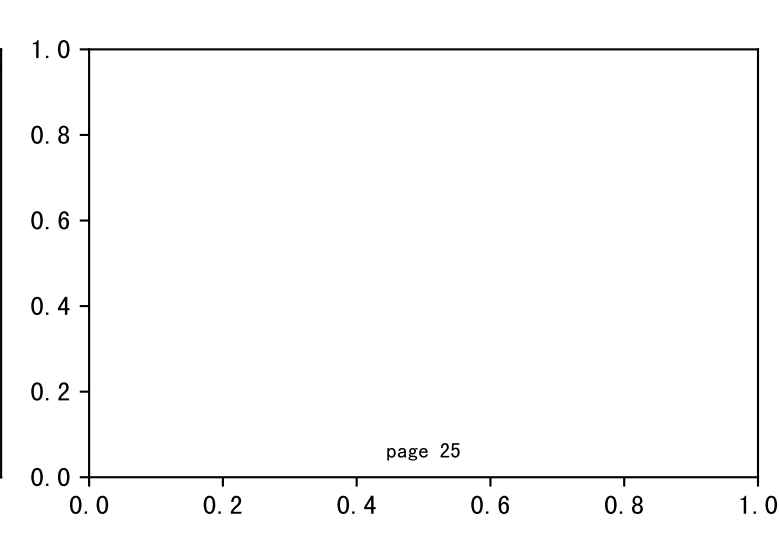
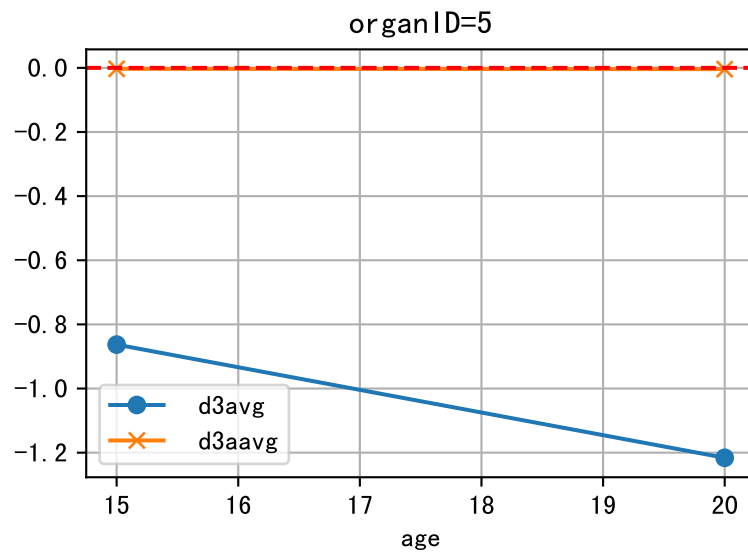
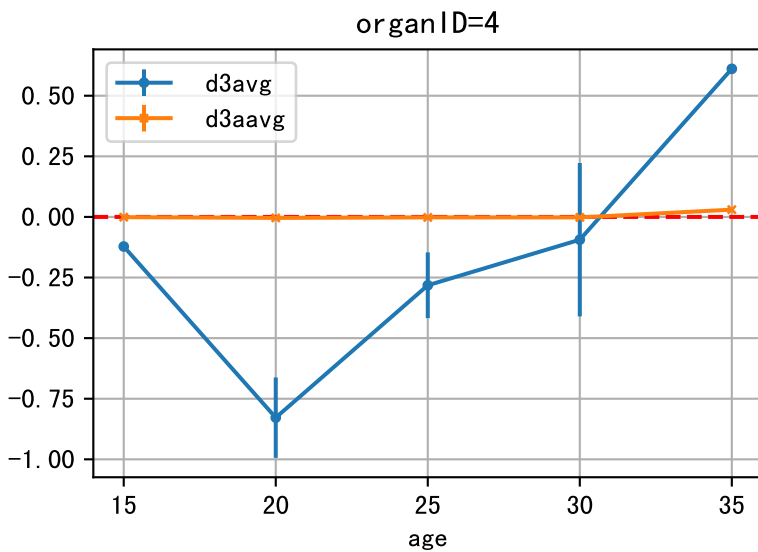
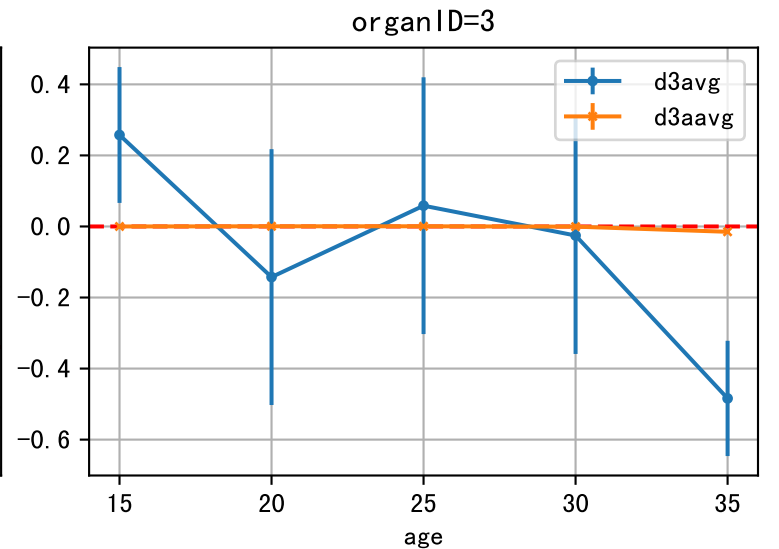
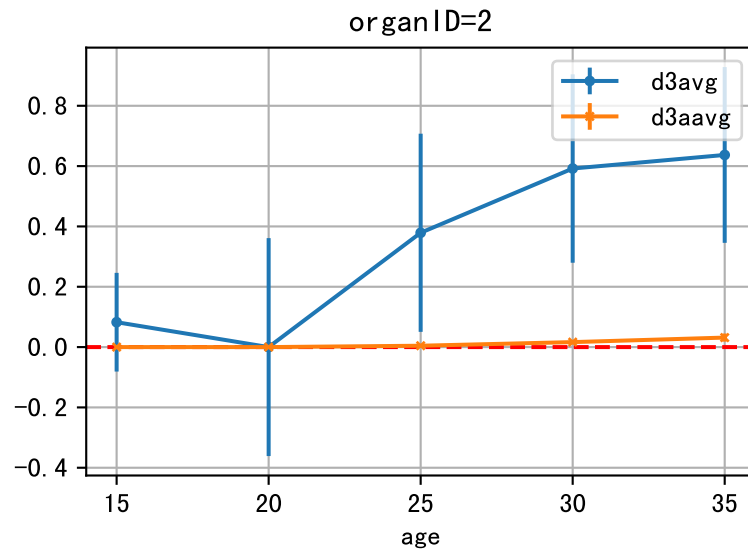
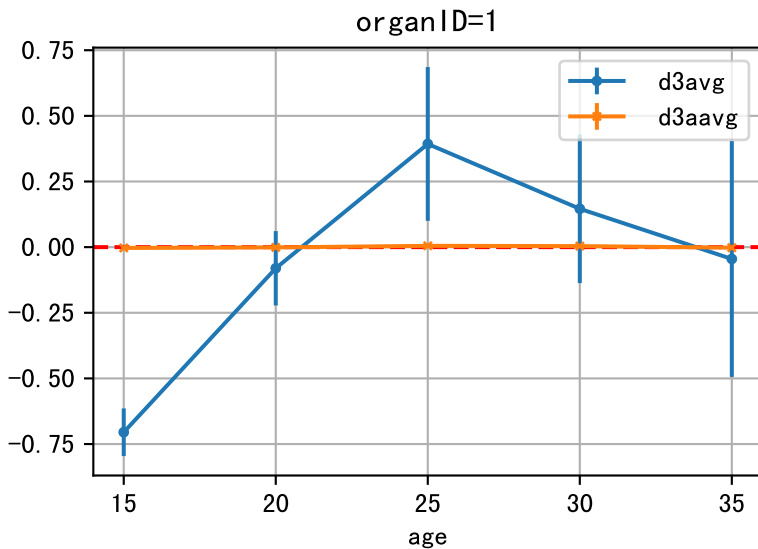


organID=5

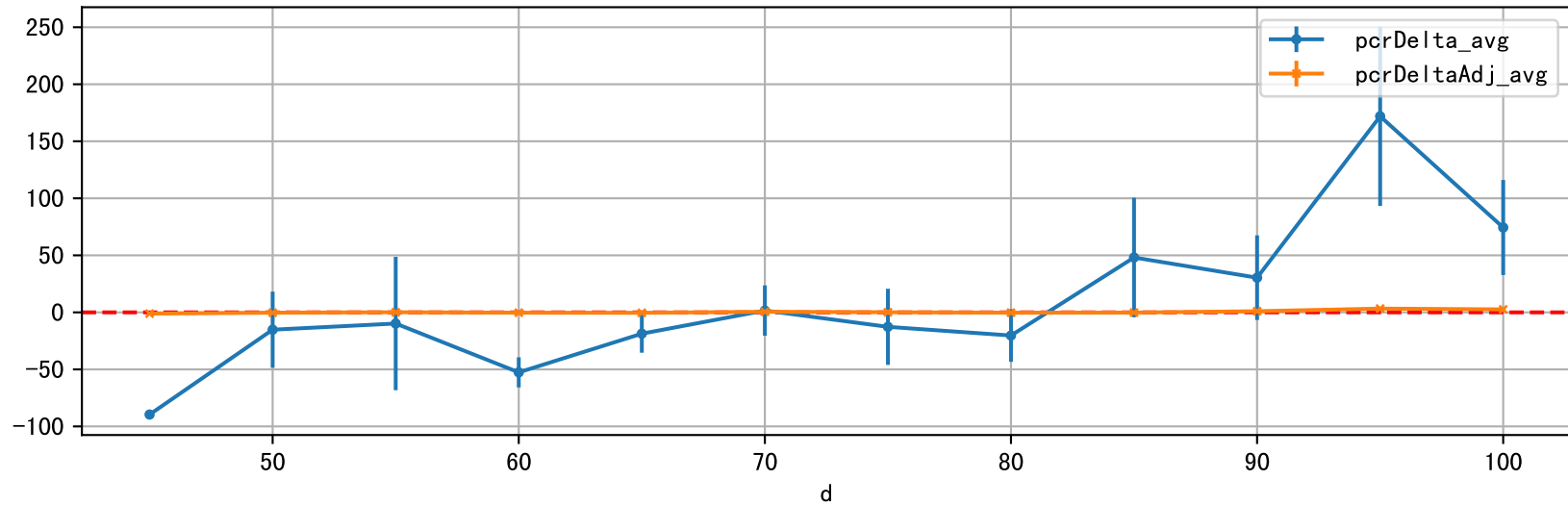


P10AW FrV: D\_Ts\_FrV

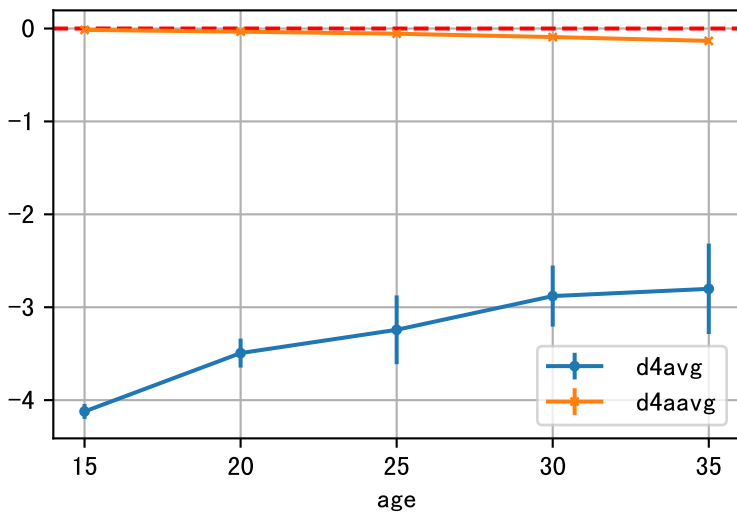




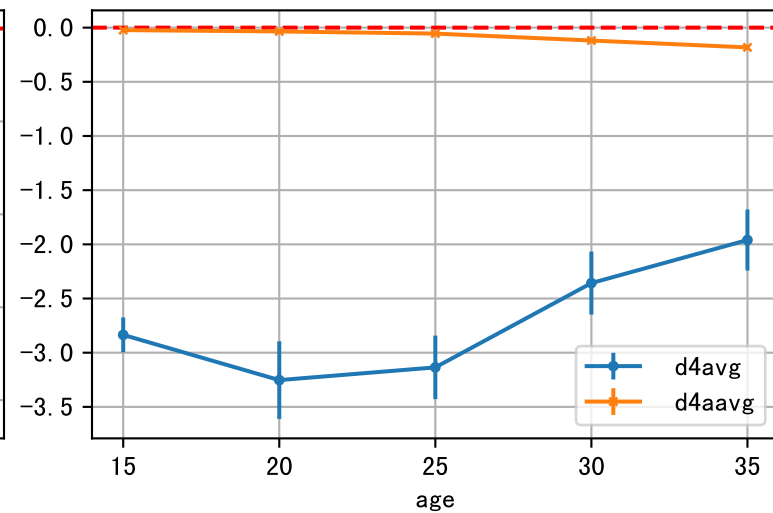
P10AW FrV: D\_Q50\_FrV



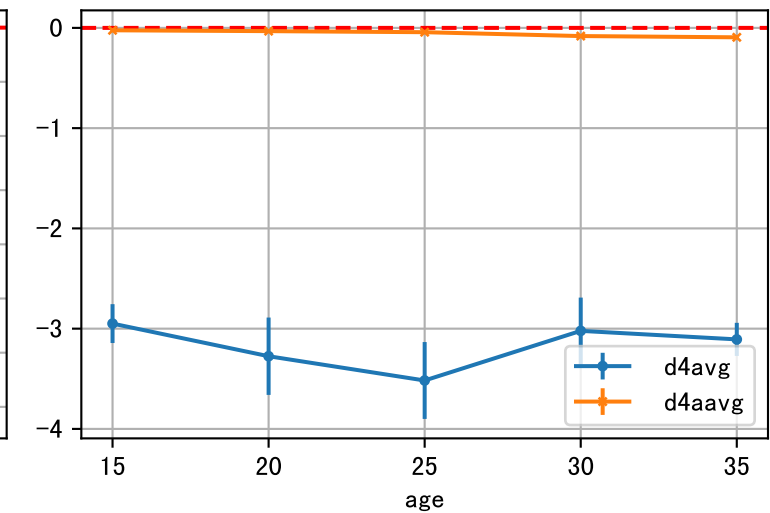
organID=1



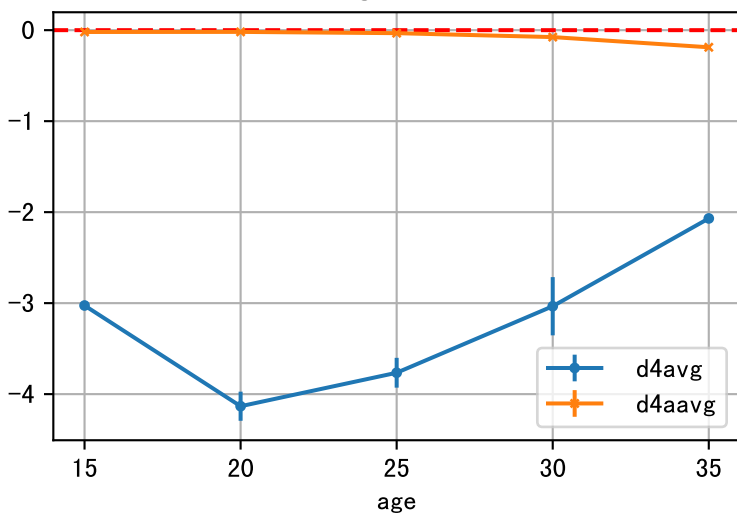
organID=2



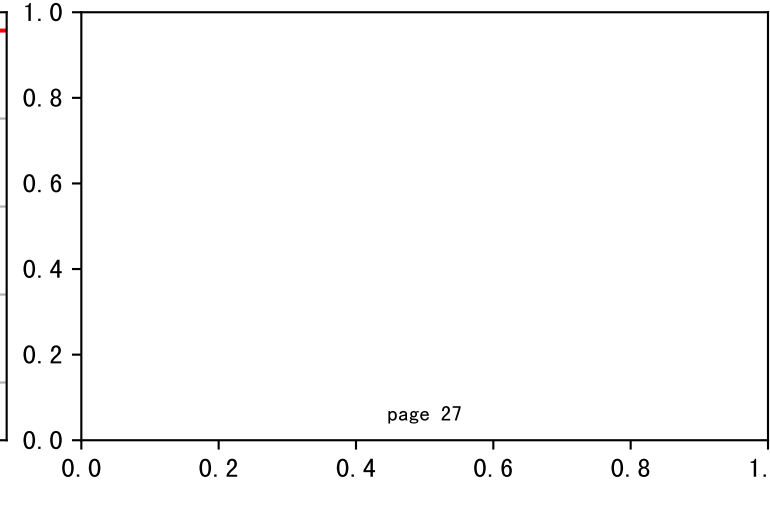
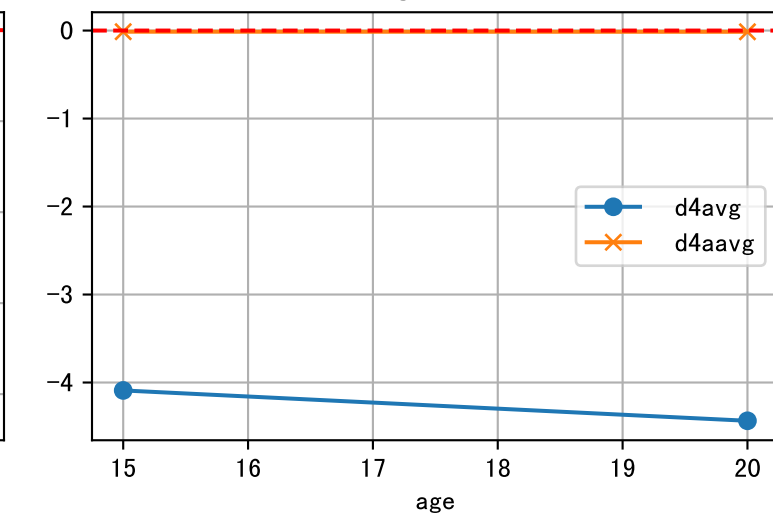
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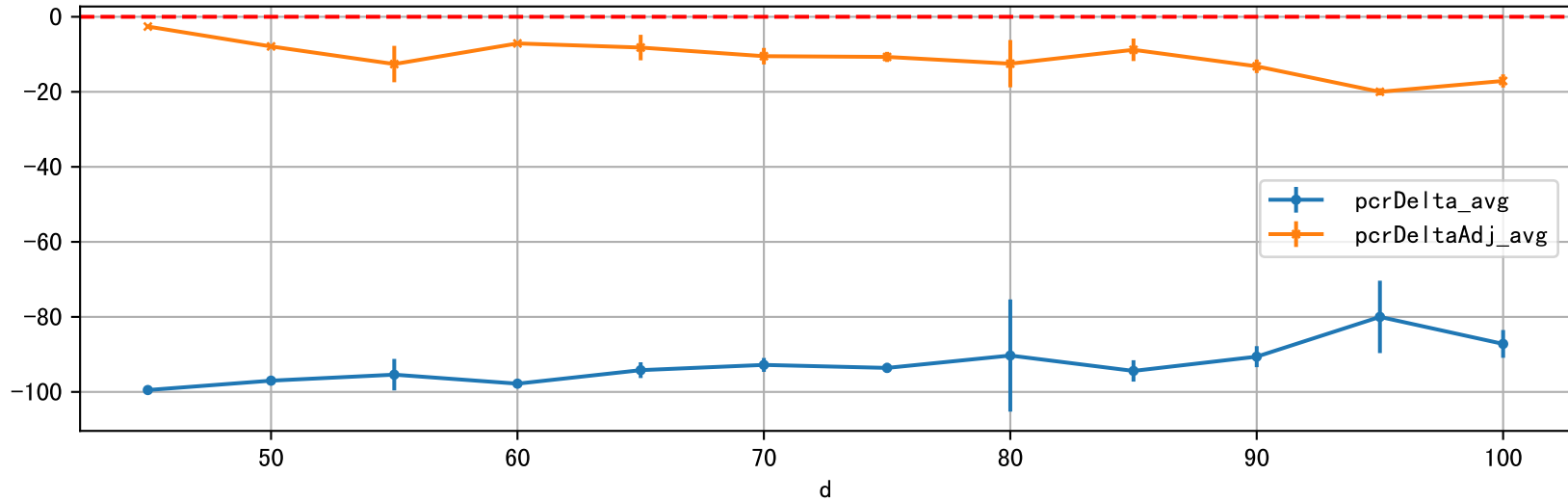
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organID=5



P10AW FrV: D\_Est\_FrV



P10AW FrV: sfDem

