

Phenotype Data Analysis Plots

PhenoData day range = 10 – 74

Analysis cutoff day = 74

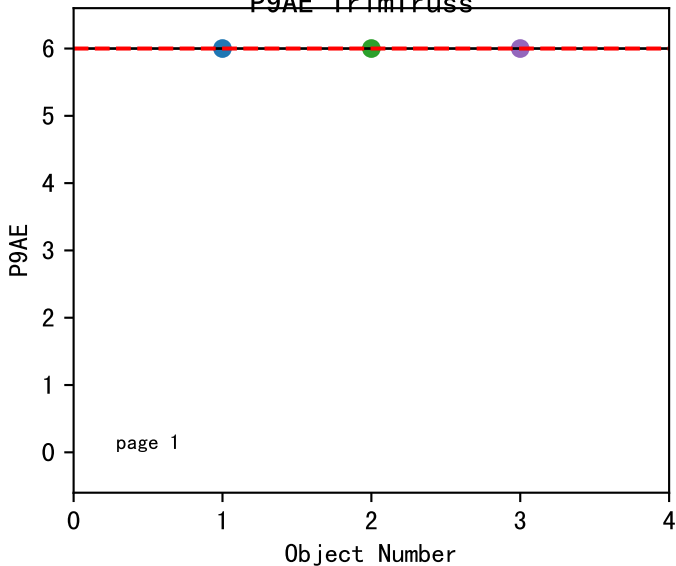
NC11 P9

2025-06-13 (Day 74)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

P9AE TrimTruss

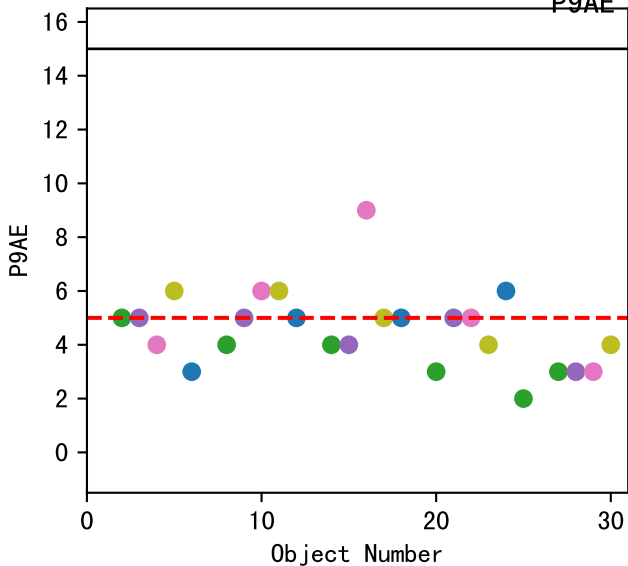


page 1

FruitNumAvgPerTruss (Def=15 Set=5)

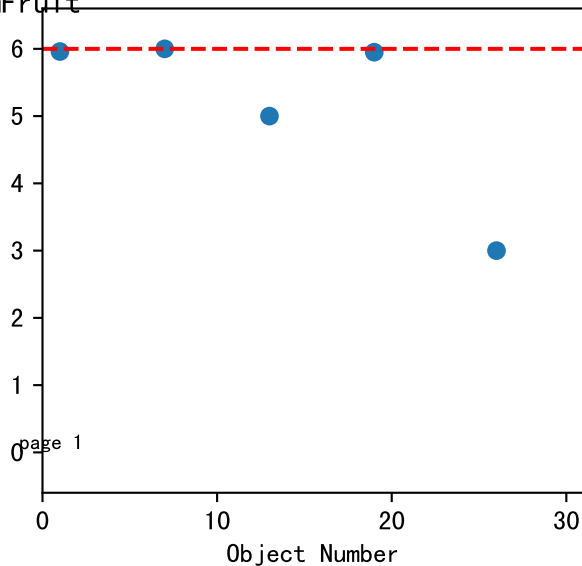
avg1=5.0~21% avg2=na

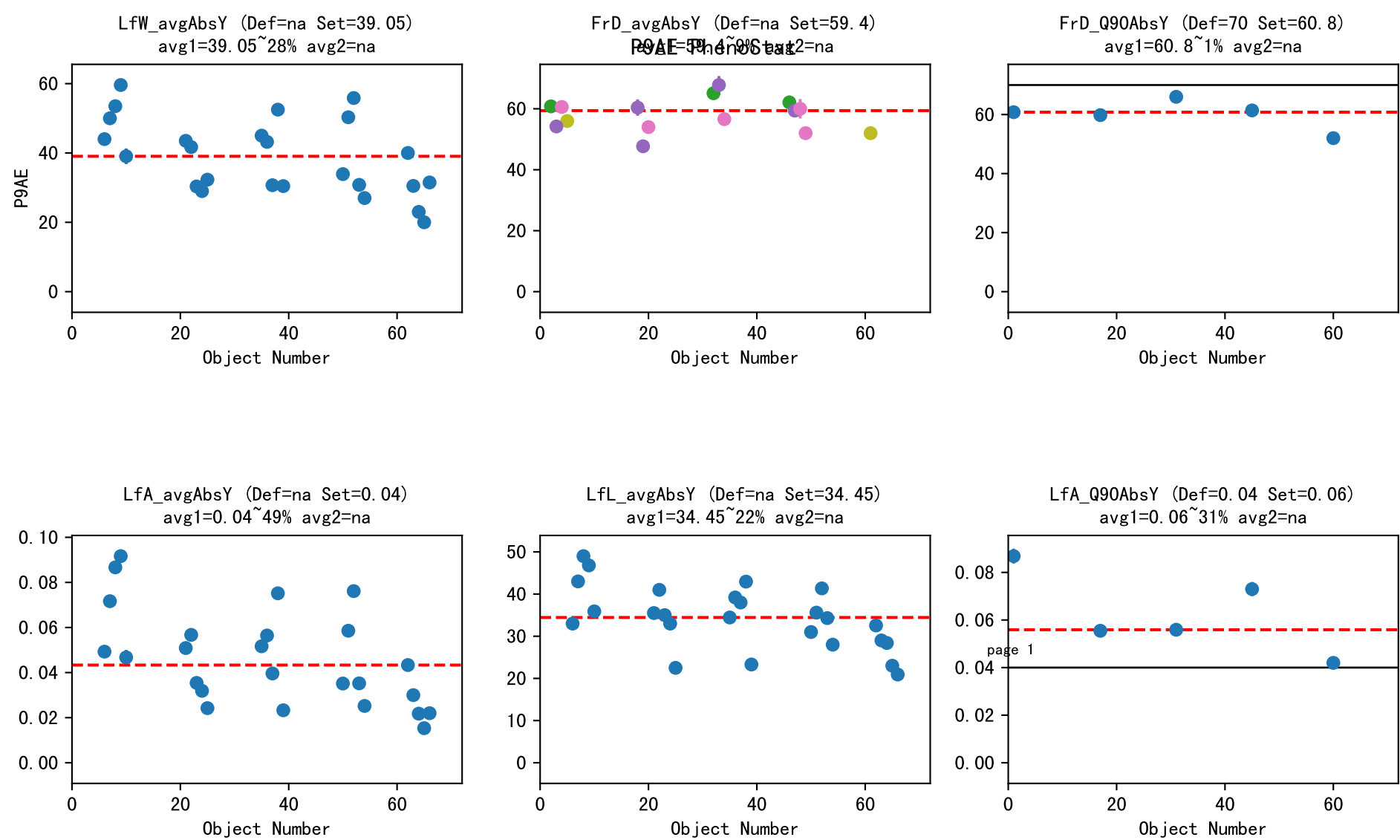
P9AE TrimFruit



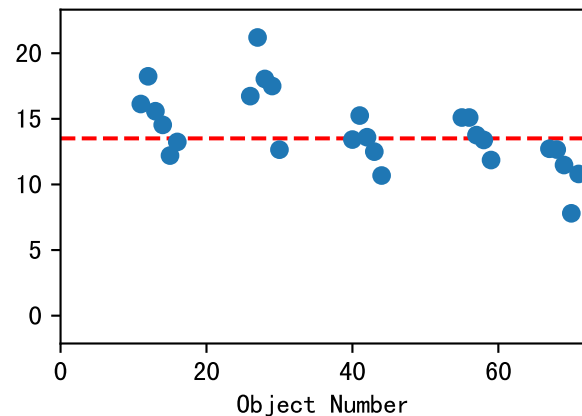
FruitNumMaxPerTruss (Def=na Set=6)

avg1=6.0~8% avg2=na

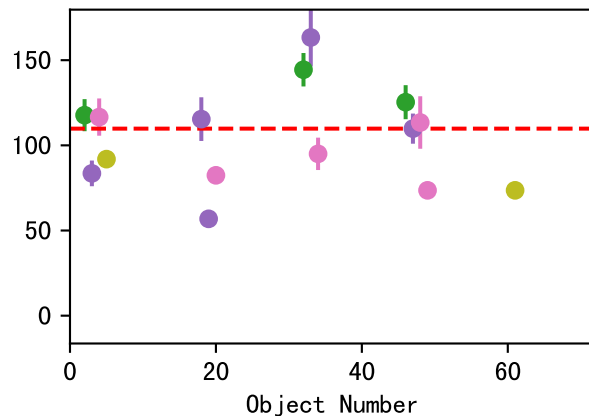




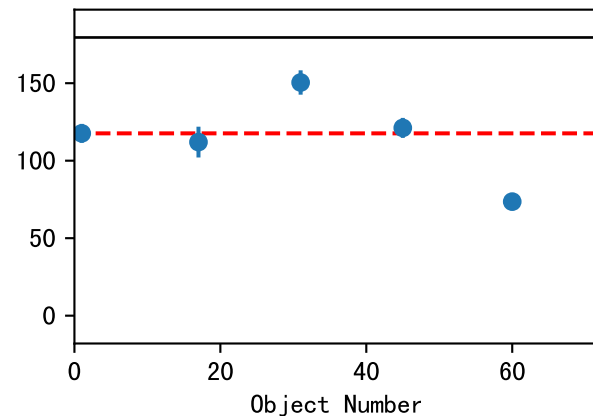
NdD_avgAbsY (Def=na Set=13.51)
avg1=13.51~16% avg2=na



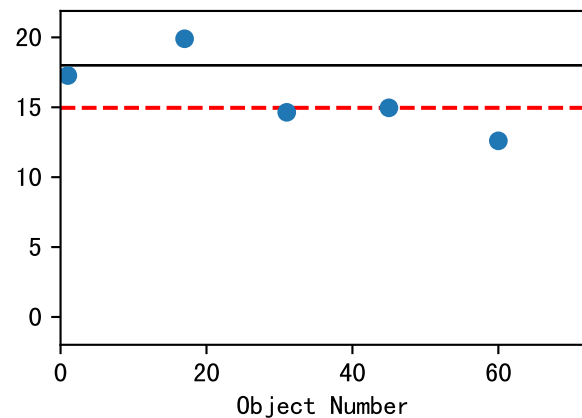
FrV_avgAbsY (Def=na Set=109.82)
avg1=109.82~26% avg2=na



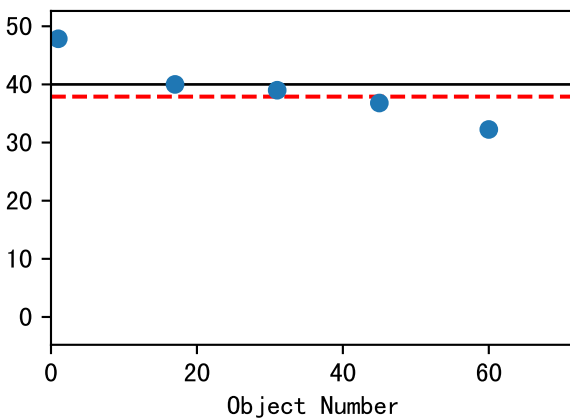
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=117.64~4% avg2=na



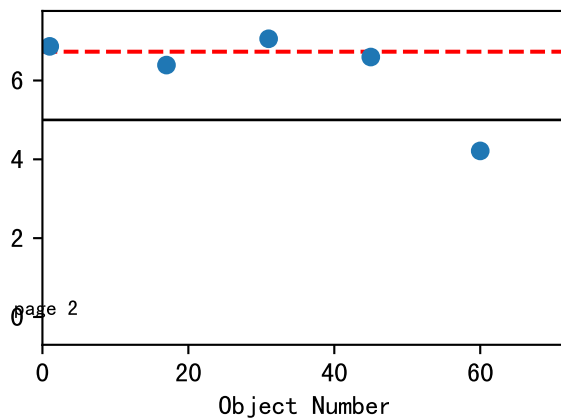
NdD_Q90AbsY (Def=18 Set=14.96)
avg1=14.96~19% avg2=na



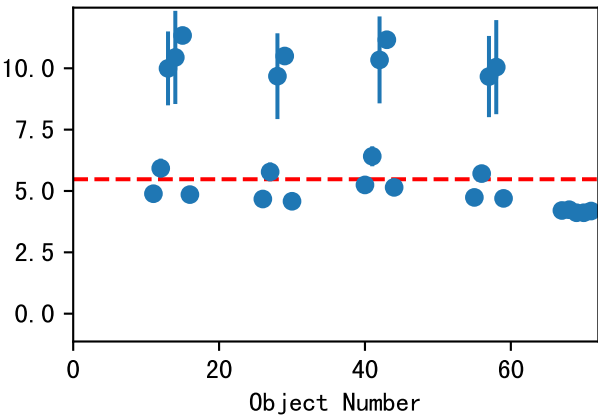
LfL_Q90AbsY (Def=40 Set=37.9)
avg1=37.9~9% avg2=na



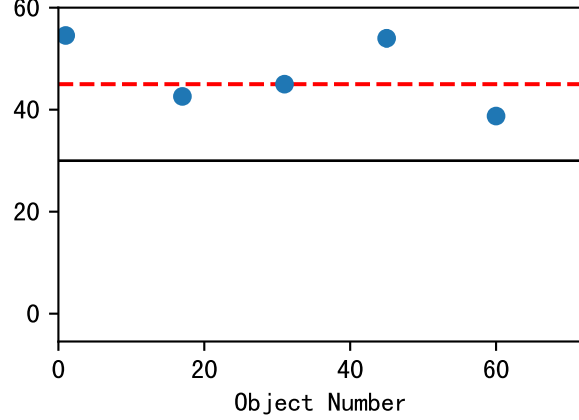
NdL_Q90AbsY (Def=5 Set=6.73)
avg1=6.73~4% avg2=na



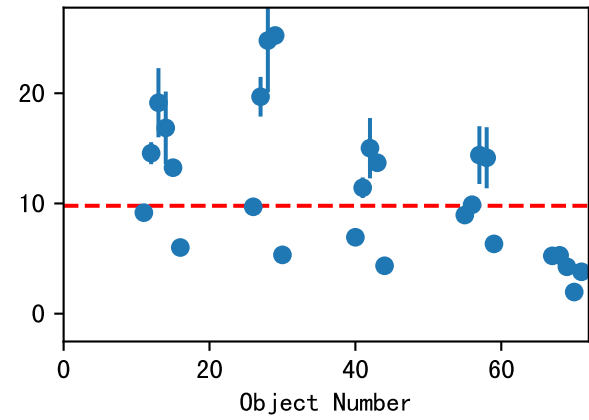
NdL_avgAbsY (Def=na Set=5. 48)
 avg1=5. 48~50% avg2=na



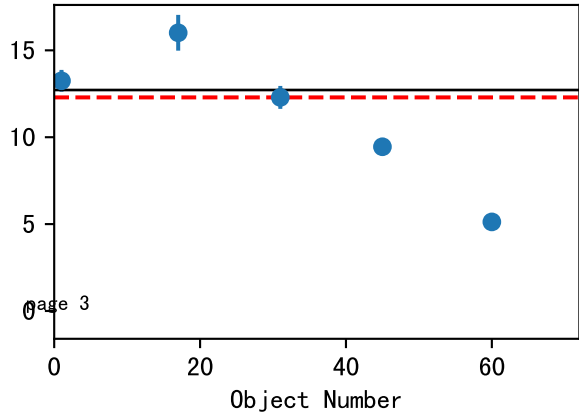
LfW_Q90AbsY (Def=30 Set=45. 0)
 avg1=45. 0~165% avg2=na



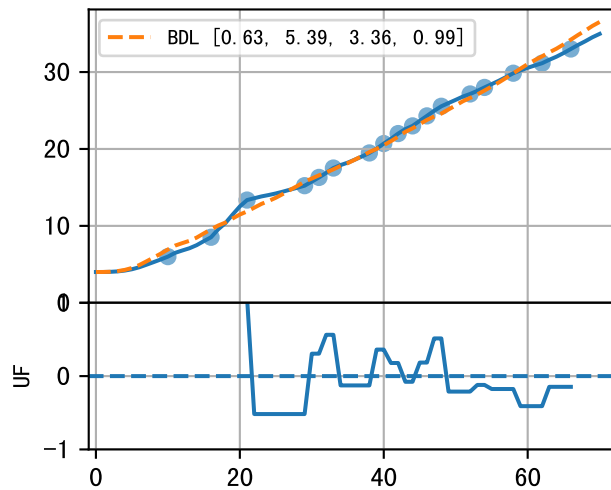
NdV_avgAbsY (Def=na Set=9. 79)
 avg1=9. 79~65% avg2=na



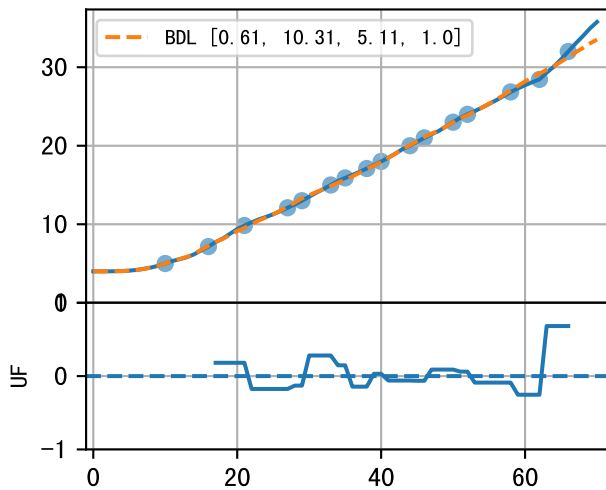
NdV_Q90AbsY (Def=12. 72 Set=12. 29)
 avg1=12. 29~34% avg2=na



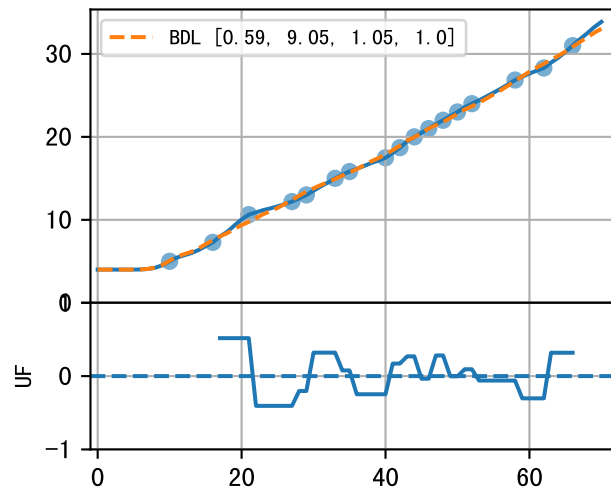
P9AE-065-3 (fit failed)



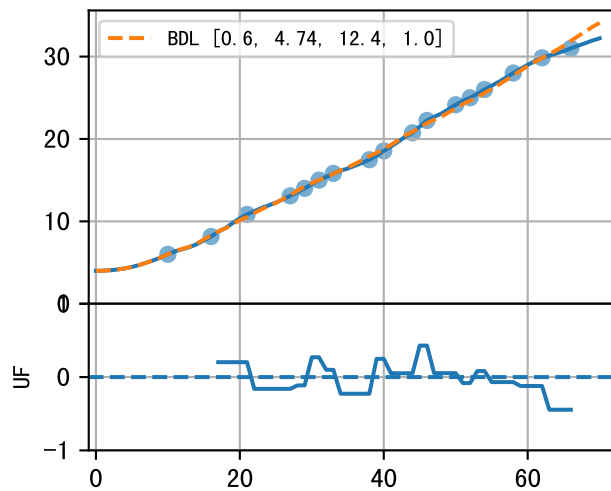
P9AE-077-12N (fit failed)



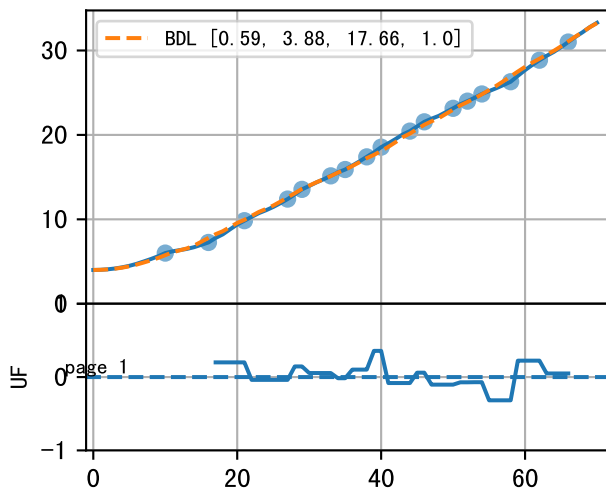
P9AE-089-25 (fit failed)



P9AE-100-19 (fit failed)



P9AE-111-7 (fit failed)



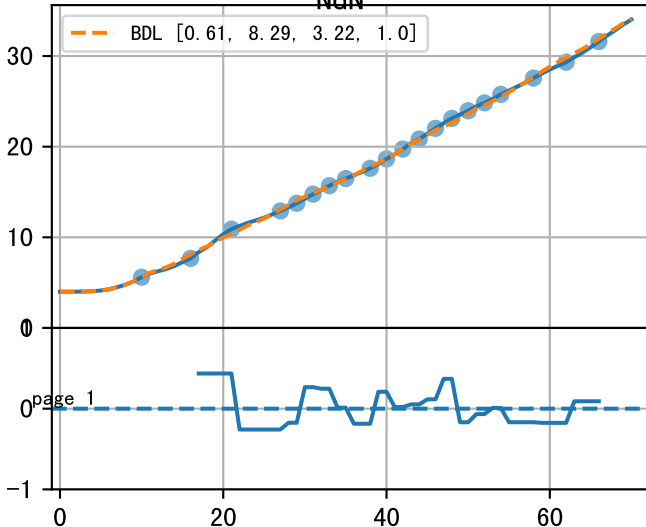
P9AEavg (fit failed)

NdN

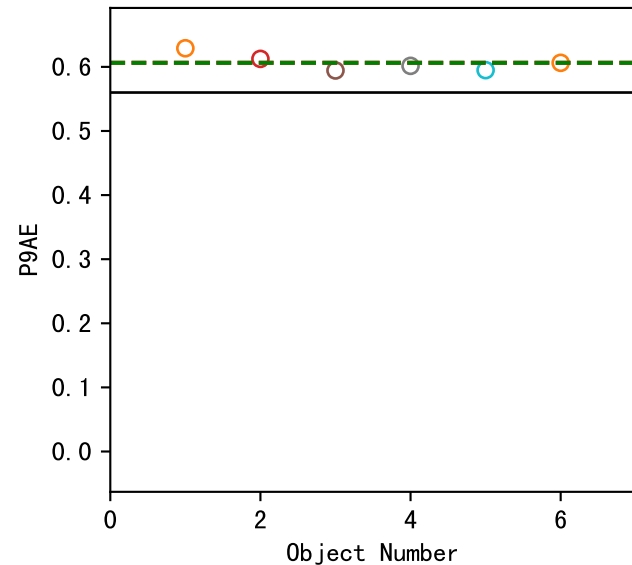
BDL [0.61, 8.29, 3.22, 1.0]

UF

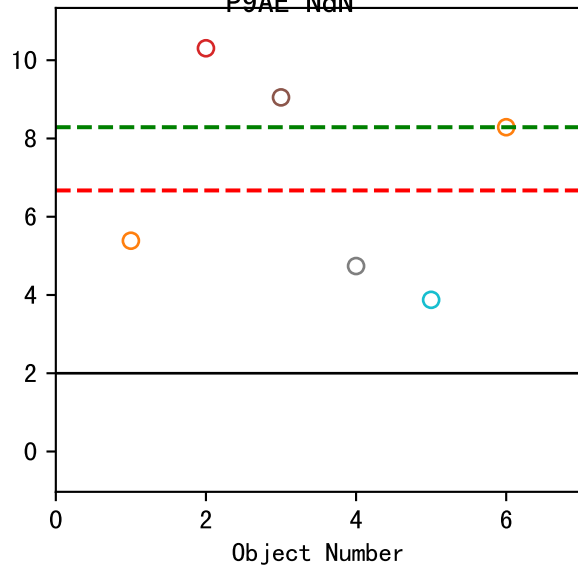
page 1



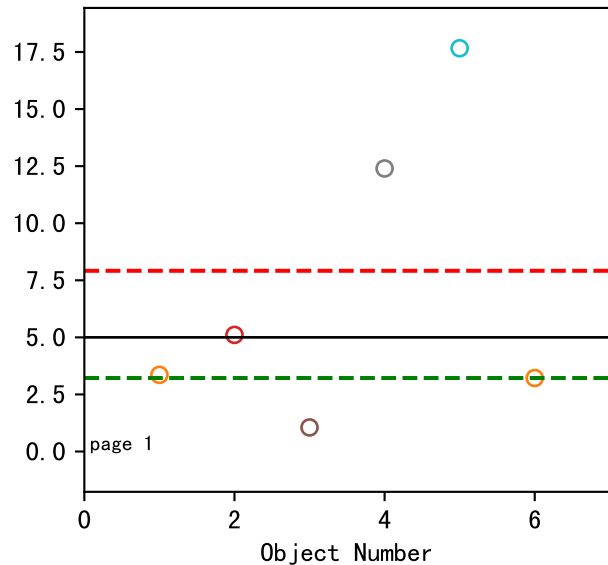
a (Def=0.56 Set=0.61)
avg1=0.61(fail) avg2=0.61



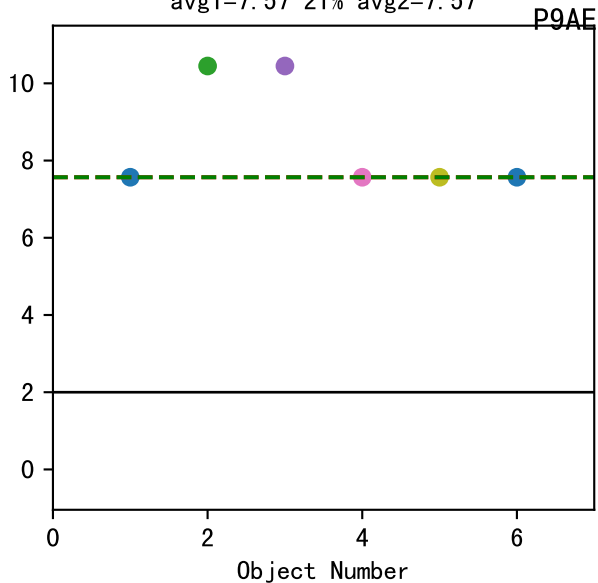
dm (Def=2 Set=8.29)
avg1=6.67(fail) avg2=8.29



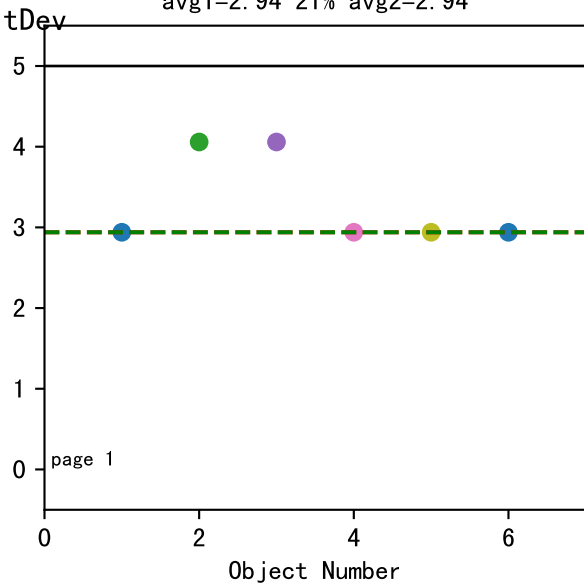
de (Def=5 Set=3.22)
avg1=7.92(fail) avg2=3.22



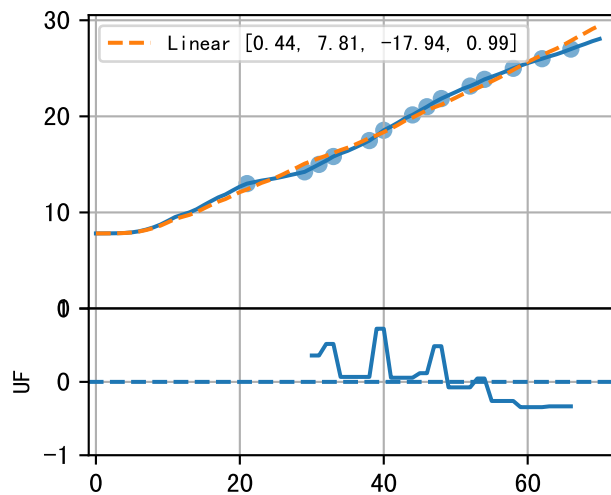
InitDev_dm (Def=2 Set=7.57)
avg1=7.57~21% avg2=7.57



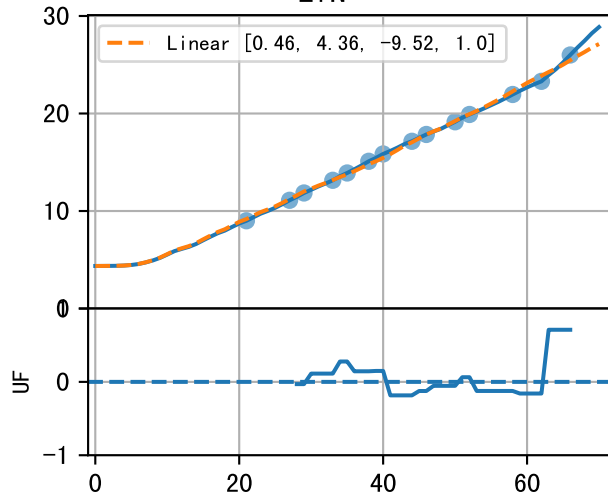
InitDev_de (Def=5 Set=2.94)
avg1=2.94~21% avg2=2.94



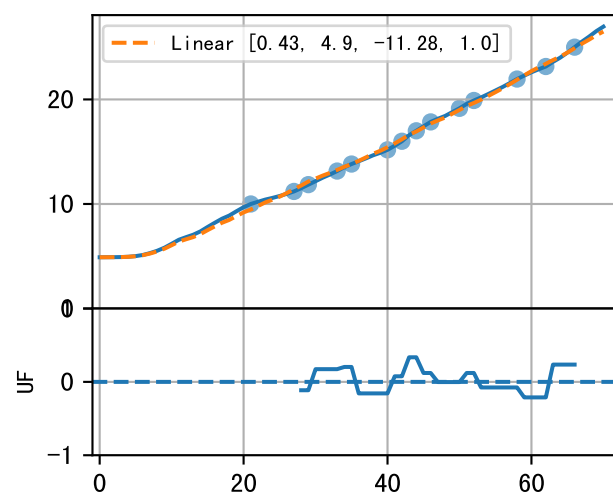
P9AE-065-3



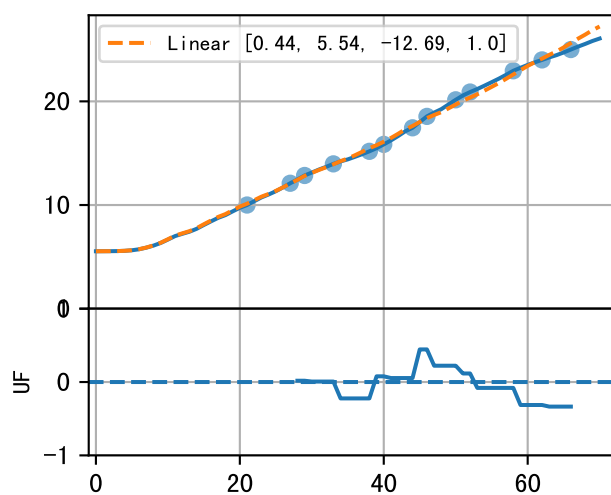
P9AE-077-32



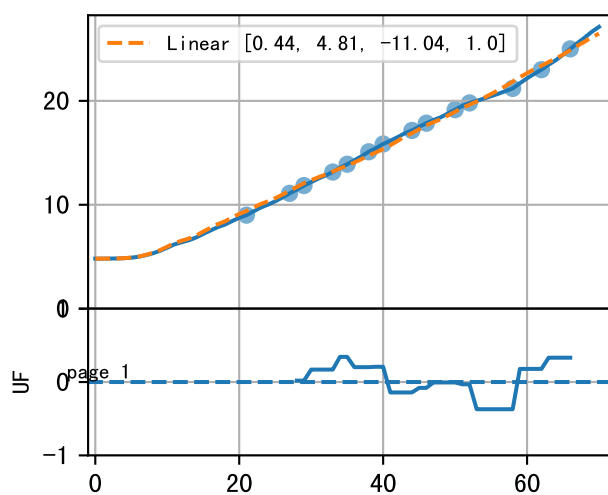
P9AE-089-25



P9AE-100-19



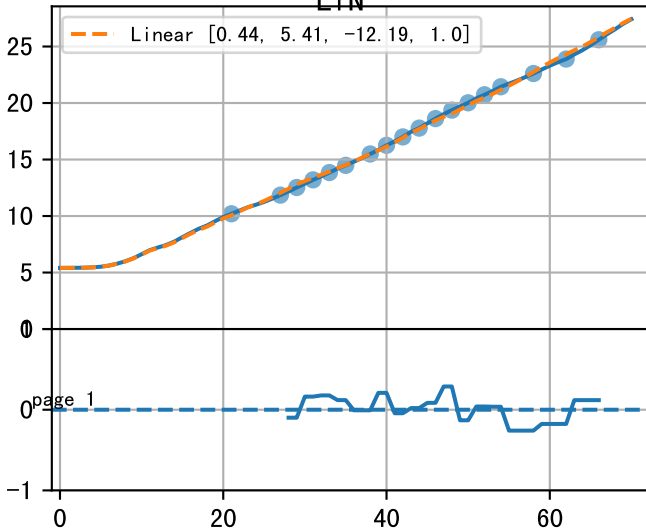
P9AE-111-7

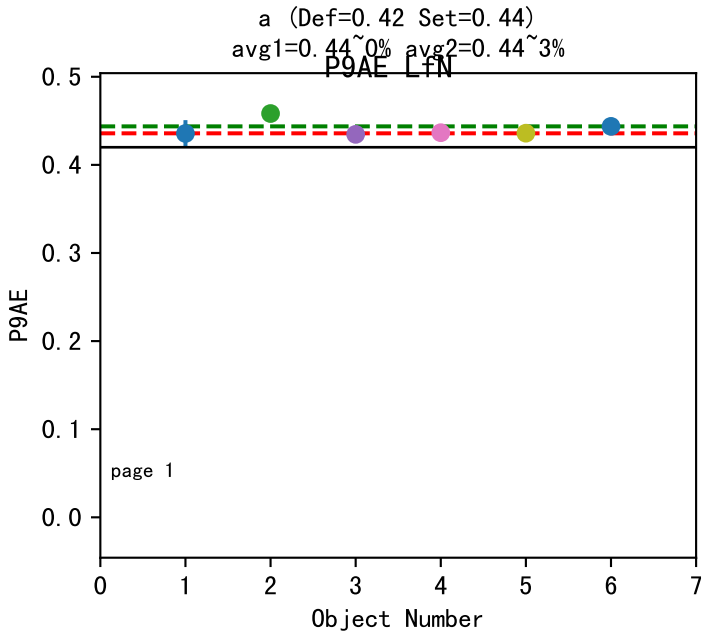


P9AEavg
Lfn

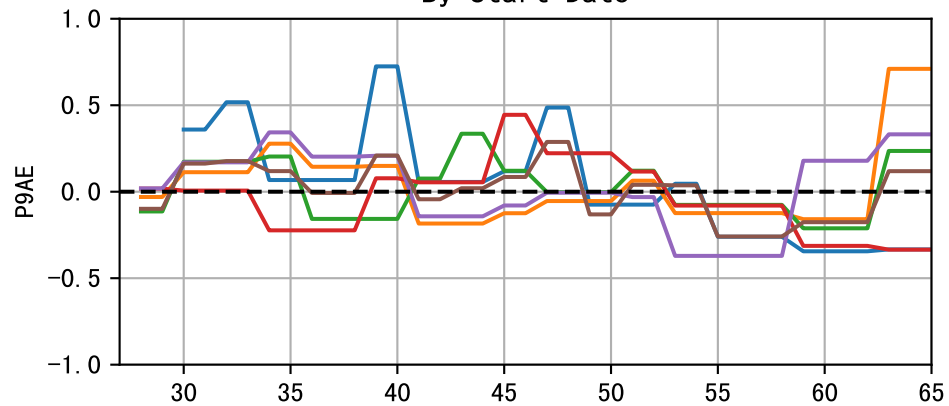
Linear [0.44, 5.41, -12.19, 1.0]

UF
page 1

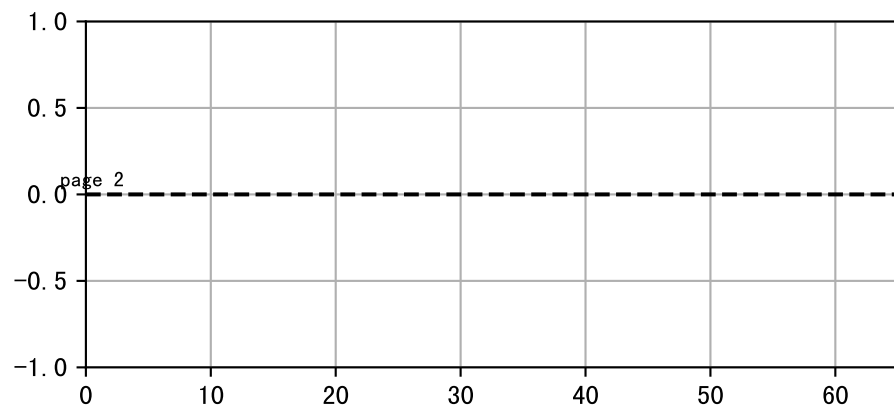
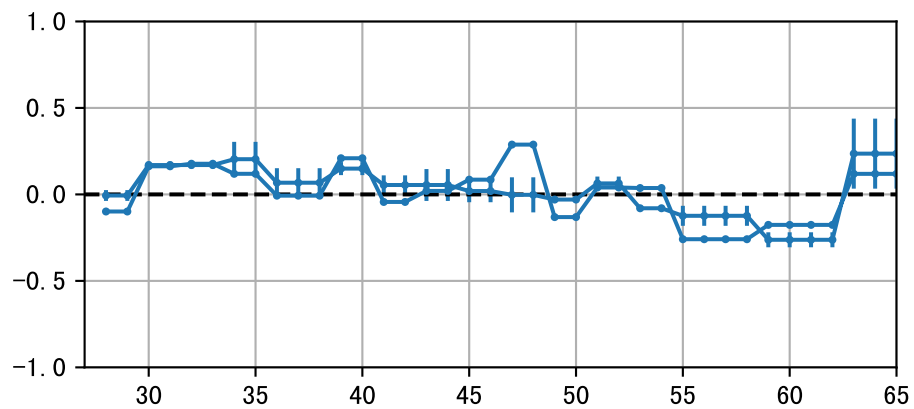
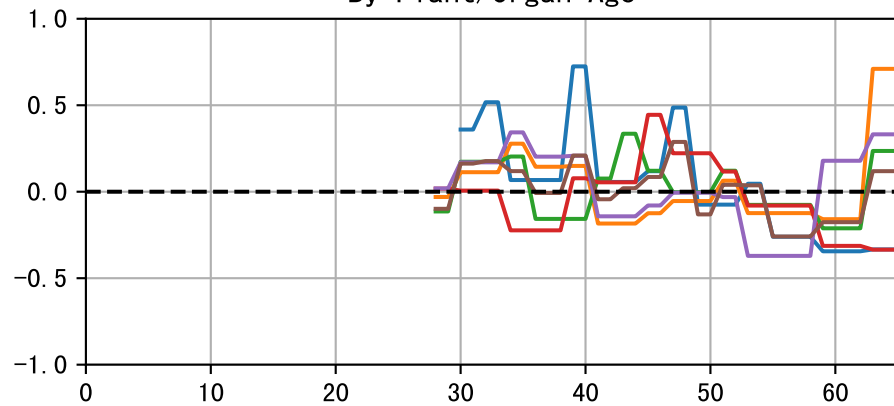




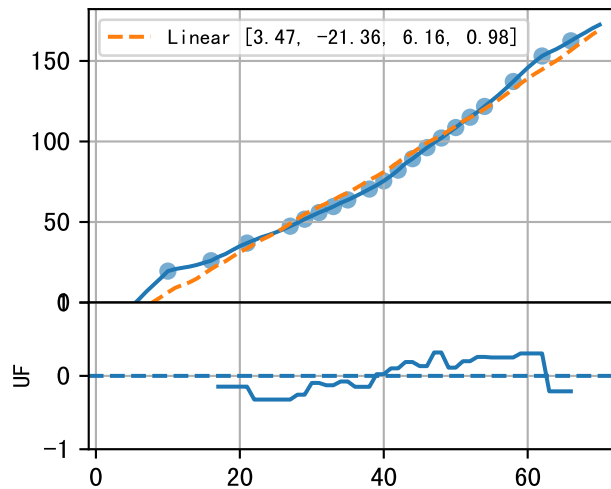
By Start Date



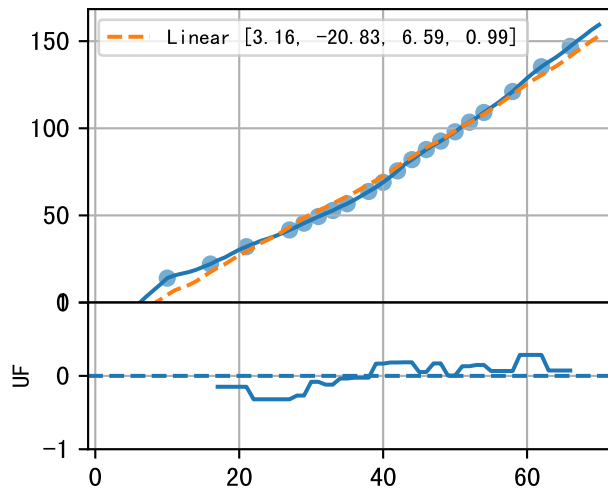
By Plant/Organ Age



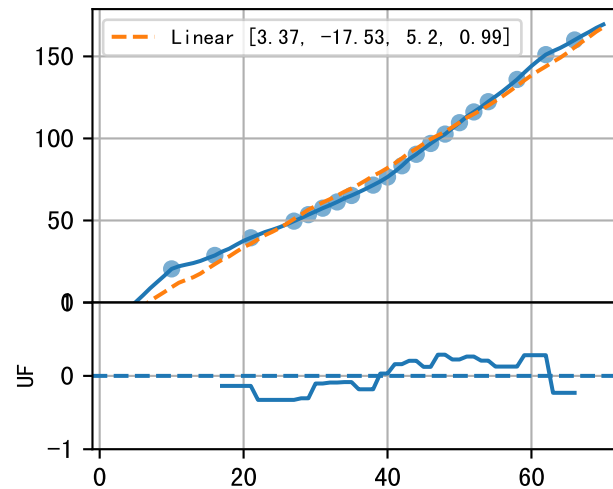
P9AE-065-3



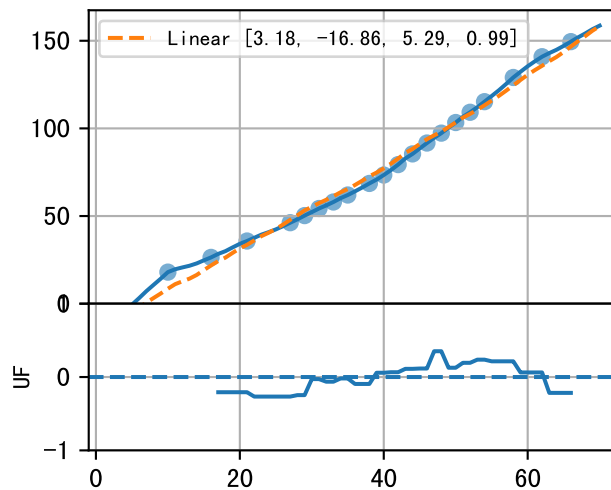
P9AE-077-32



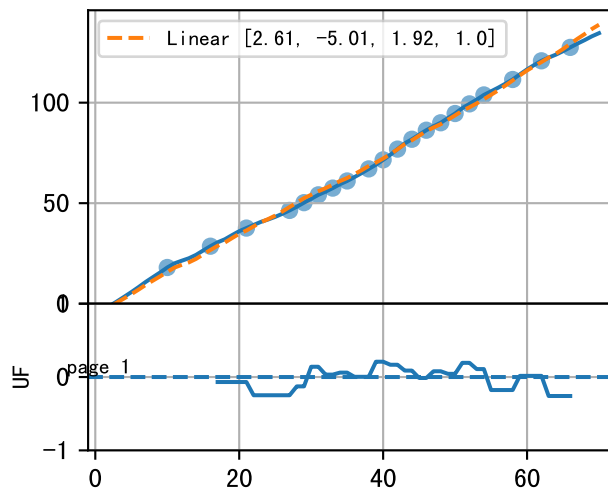
P9AE-089-25



P9AE-100-19

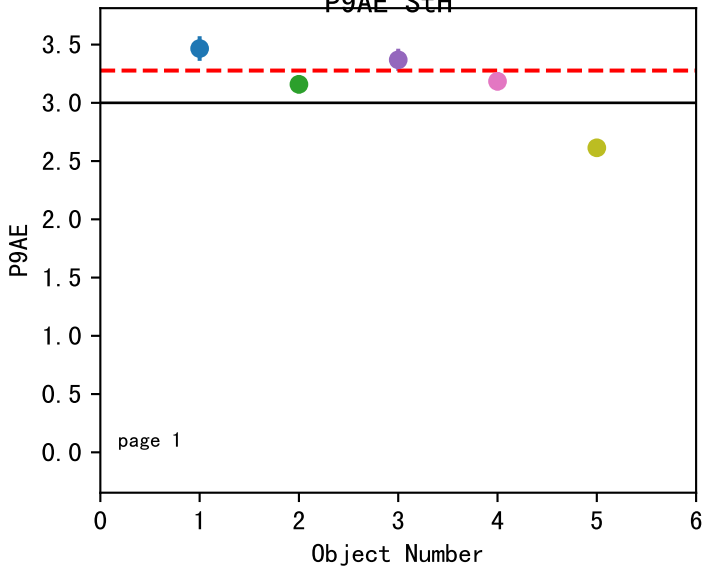


P9AE-111-7

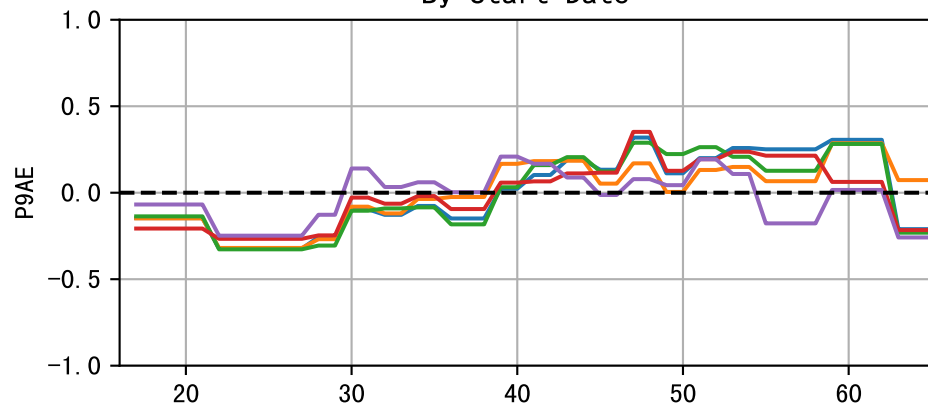


a (Def=3 Set=3.28)
avg1=3.28~5% avg2=na

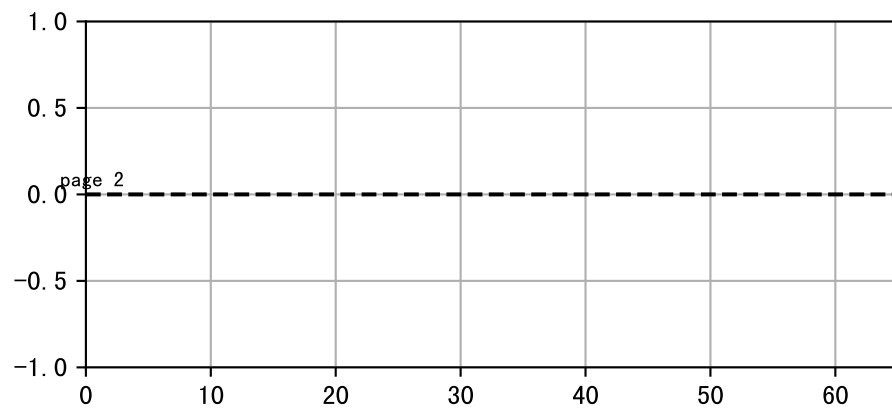
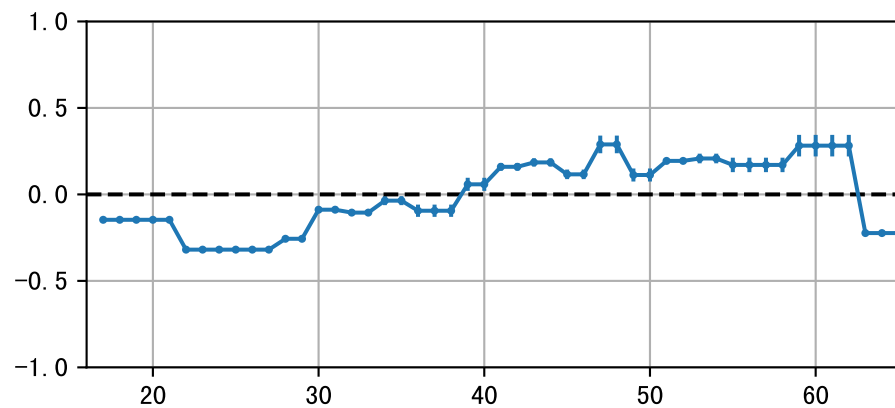
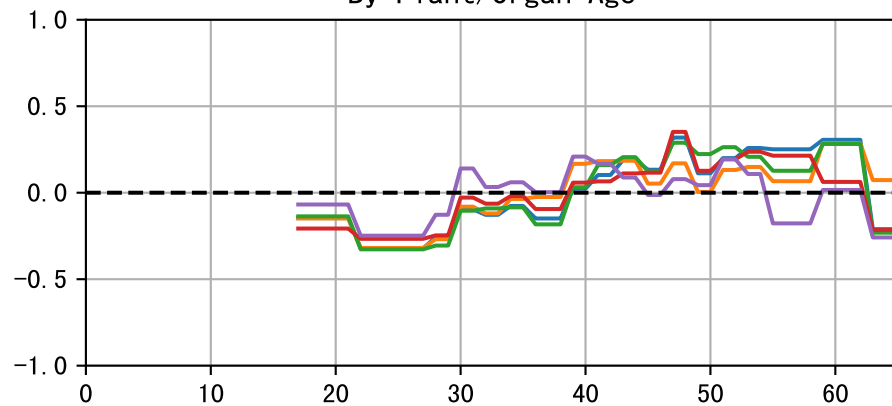
P9AE StH



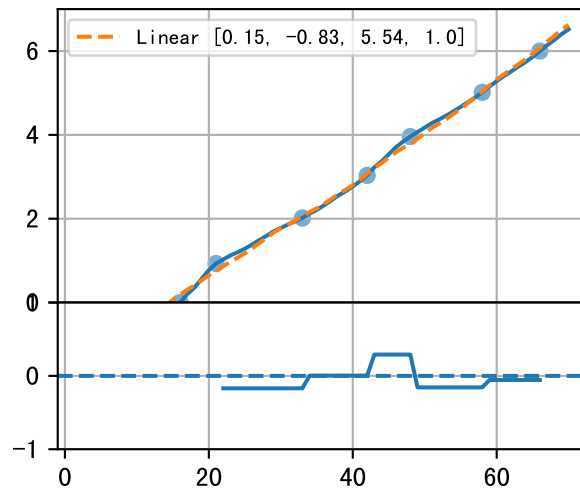
By Start Date



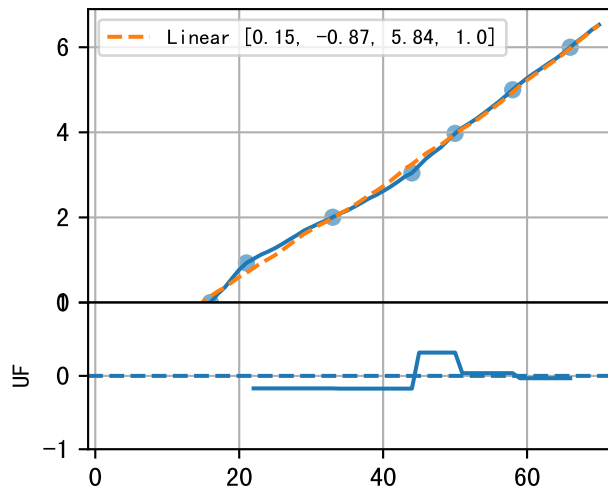
By Plant/Organ Age



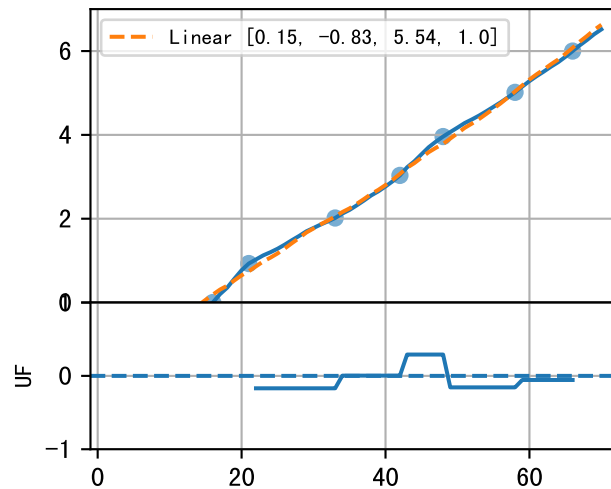
P9AE-065-3



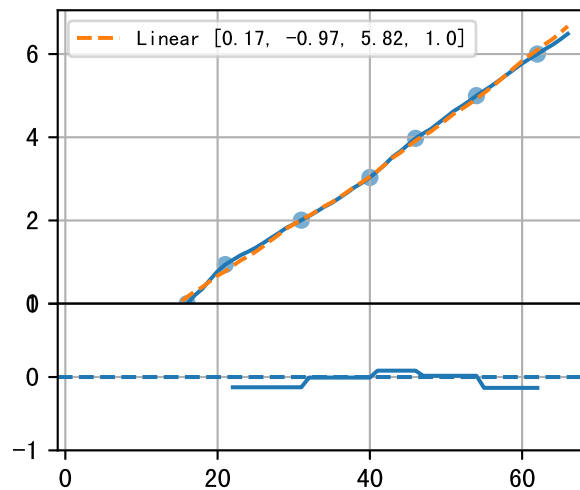
P9AE-077-32



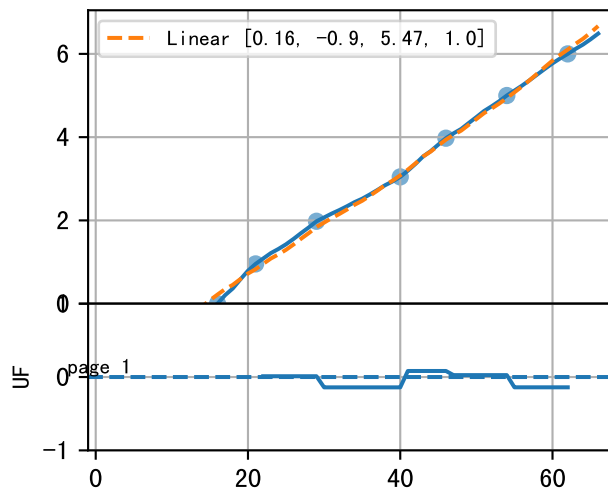
P9AE-089-25



P9AE-100-19



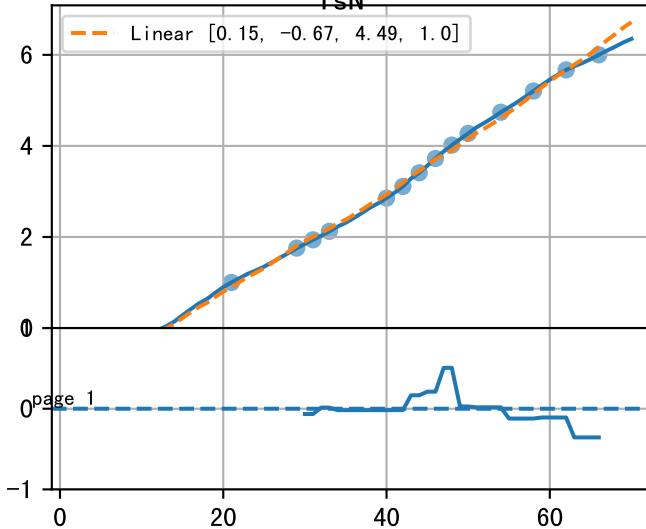
P9AE-111-7



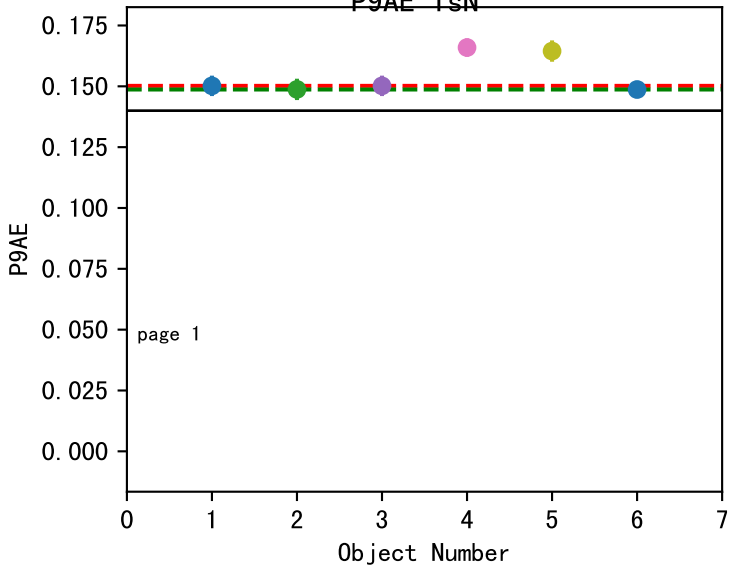
P9AEavg
TSN

Linear [0.15, -0.67, 4.49, 1.0]

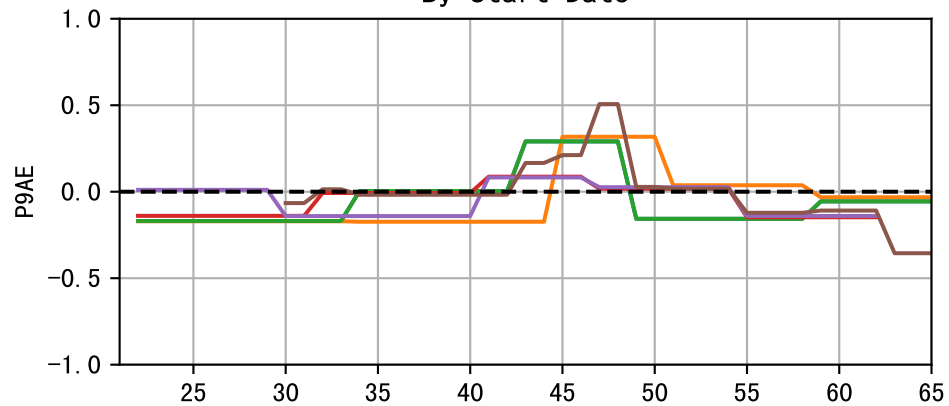
UF
page 1



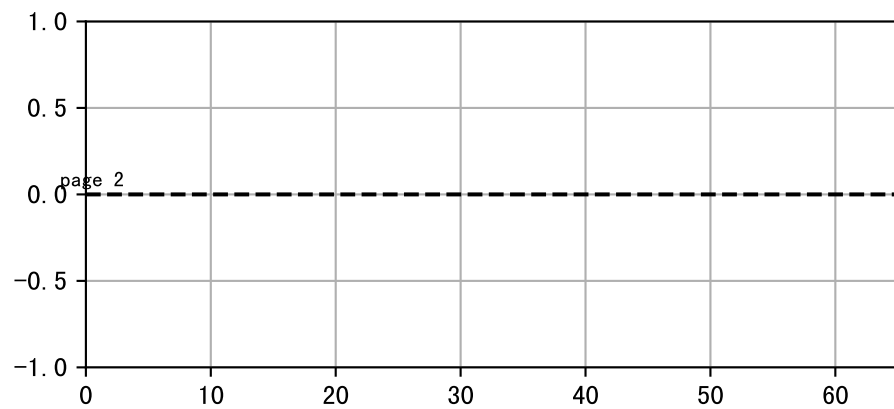
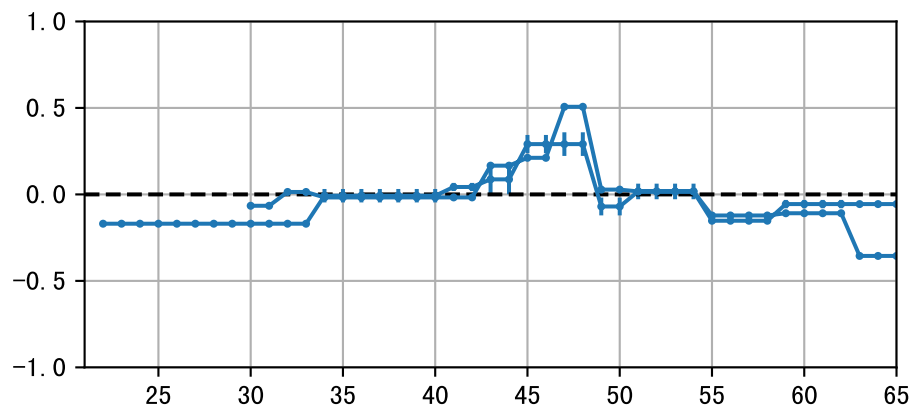
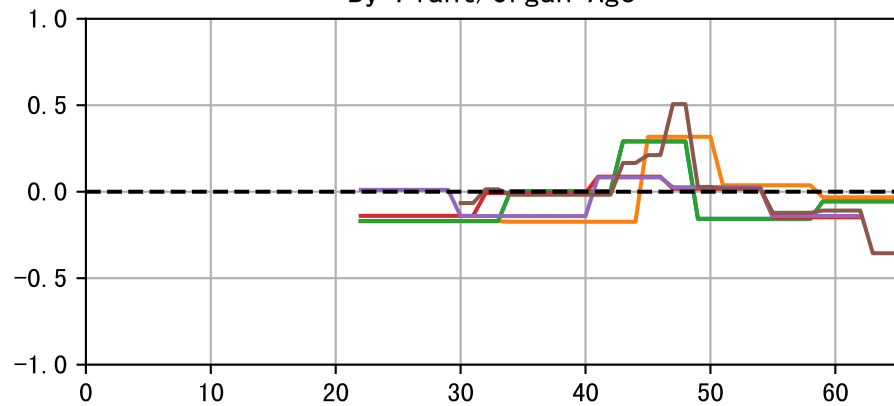
a (Def=0.14 Set=0.15)
avg1=0.15^{~6%} avg2=0.15^{~4%}
P9AE TSN

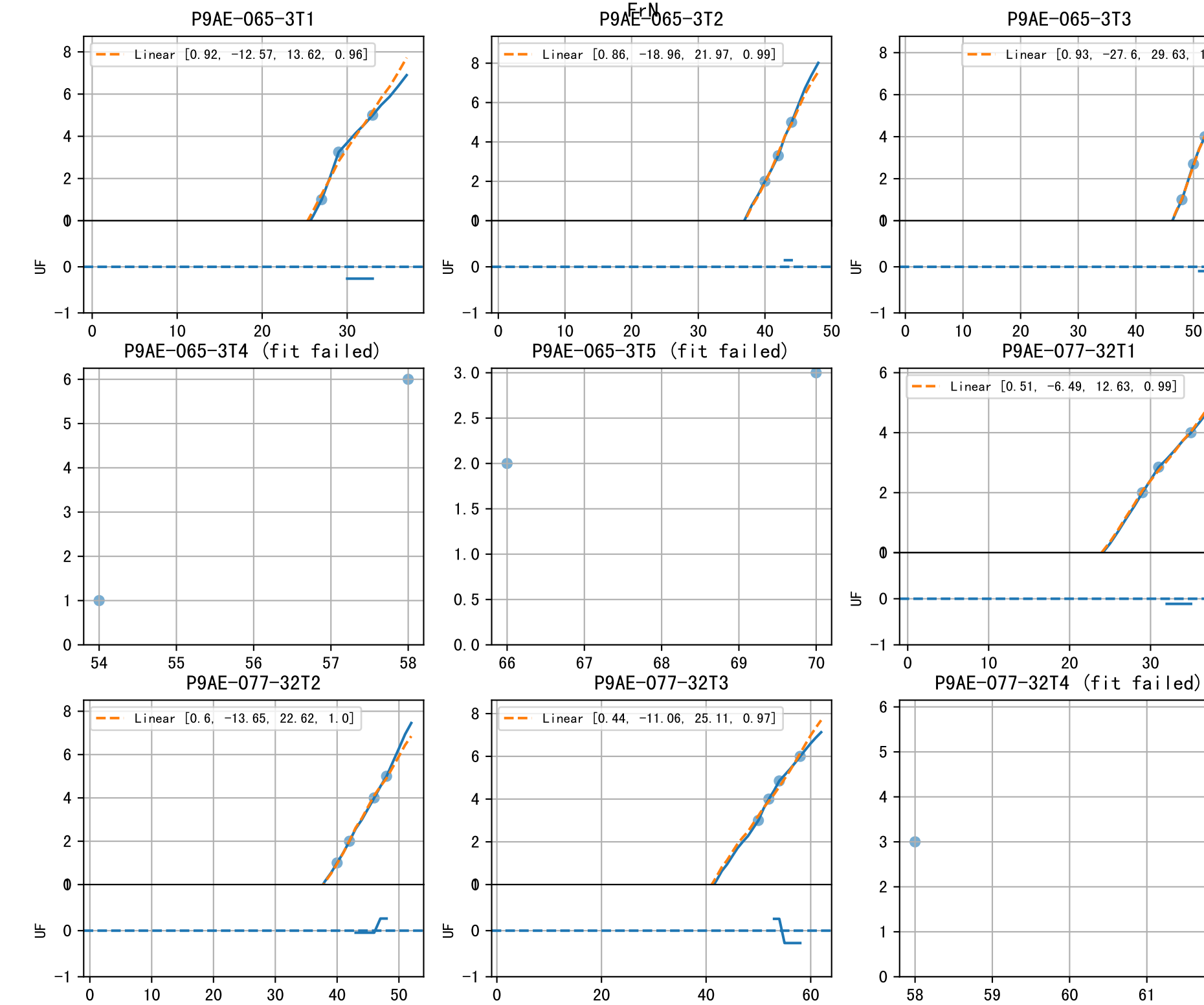


By Start Date

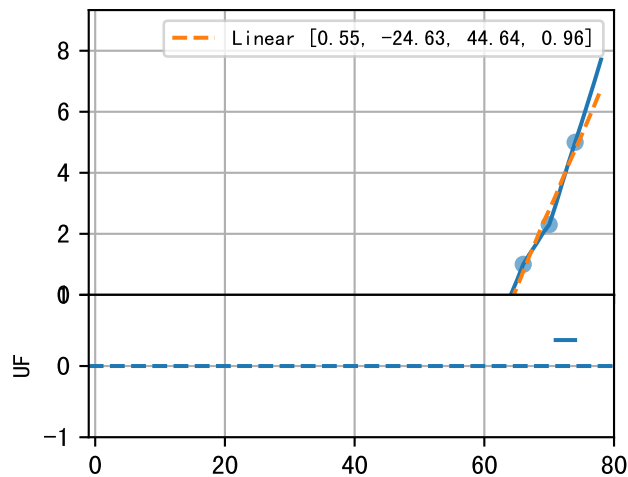


By Plant/Organ Age

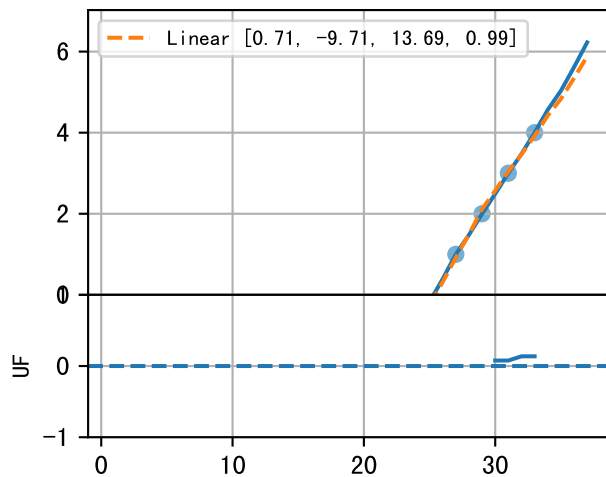




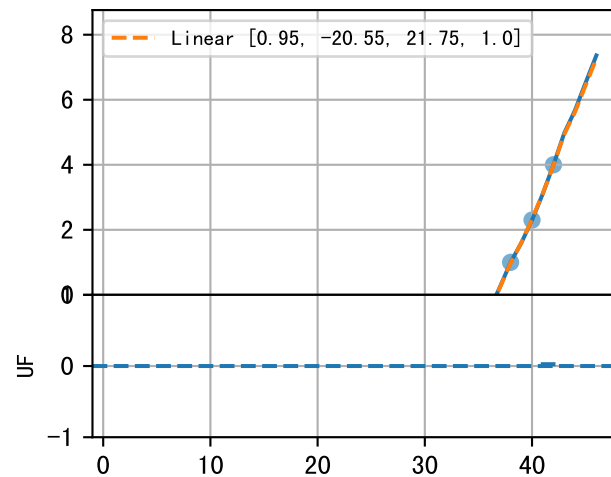
P9AE-077-32T5



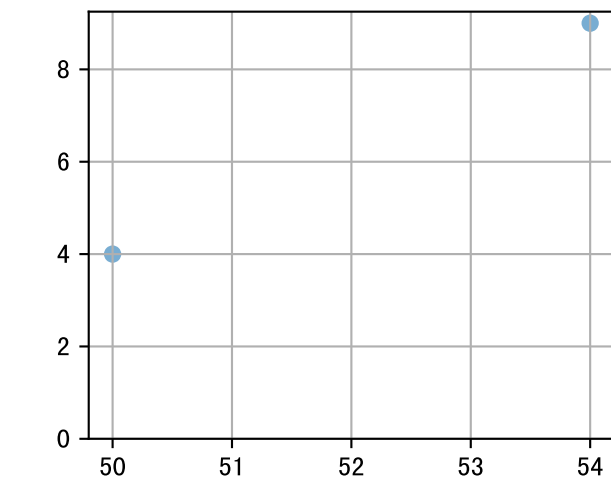
P9AE-089-25T1



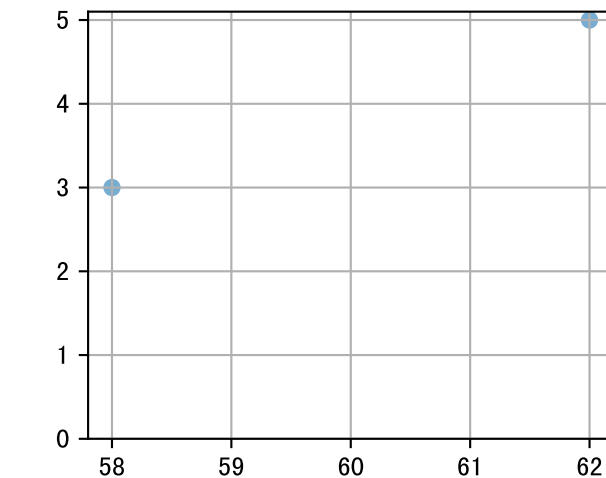
P9AE-089-25T2



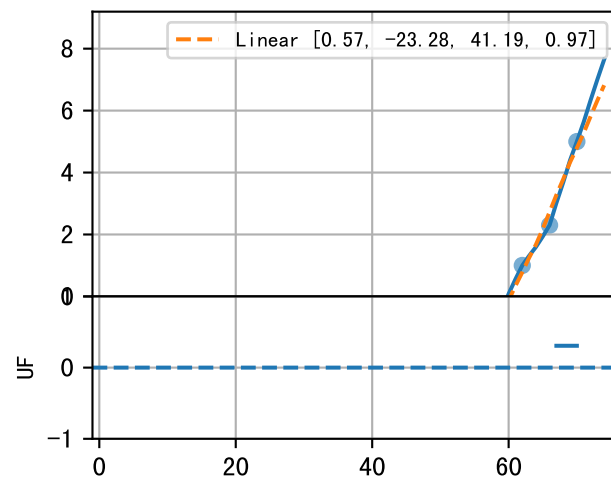
P9AE-089-25T3 (fit failed)



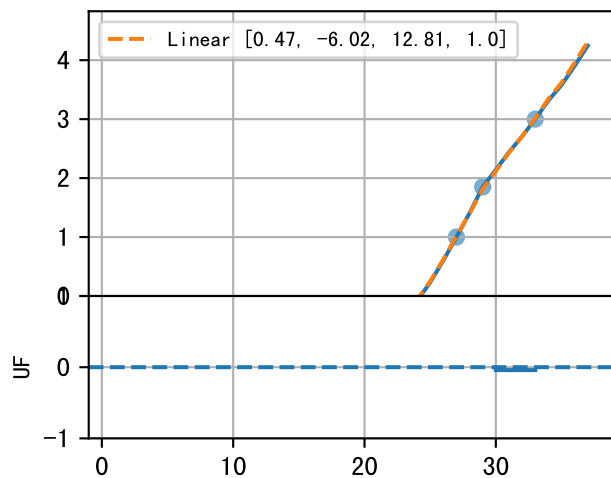
P9AE-089-25T4 (fit failed)



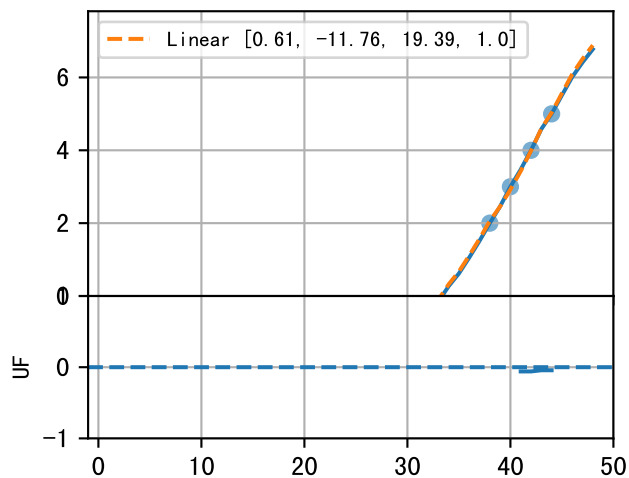
P9AE-089-25T5



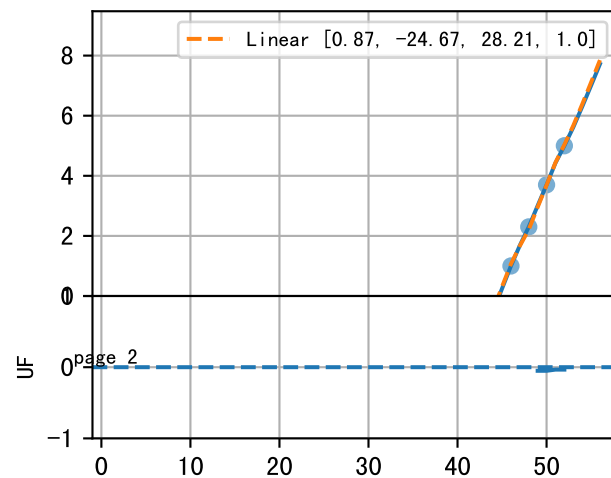
P9AE-100-19T1

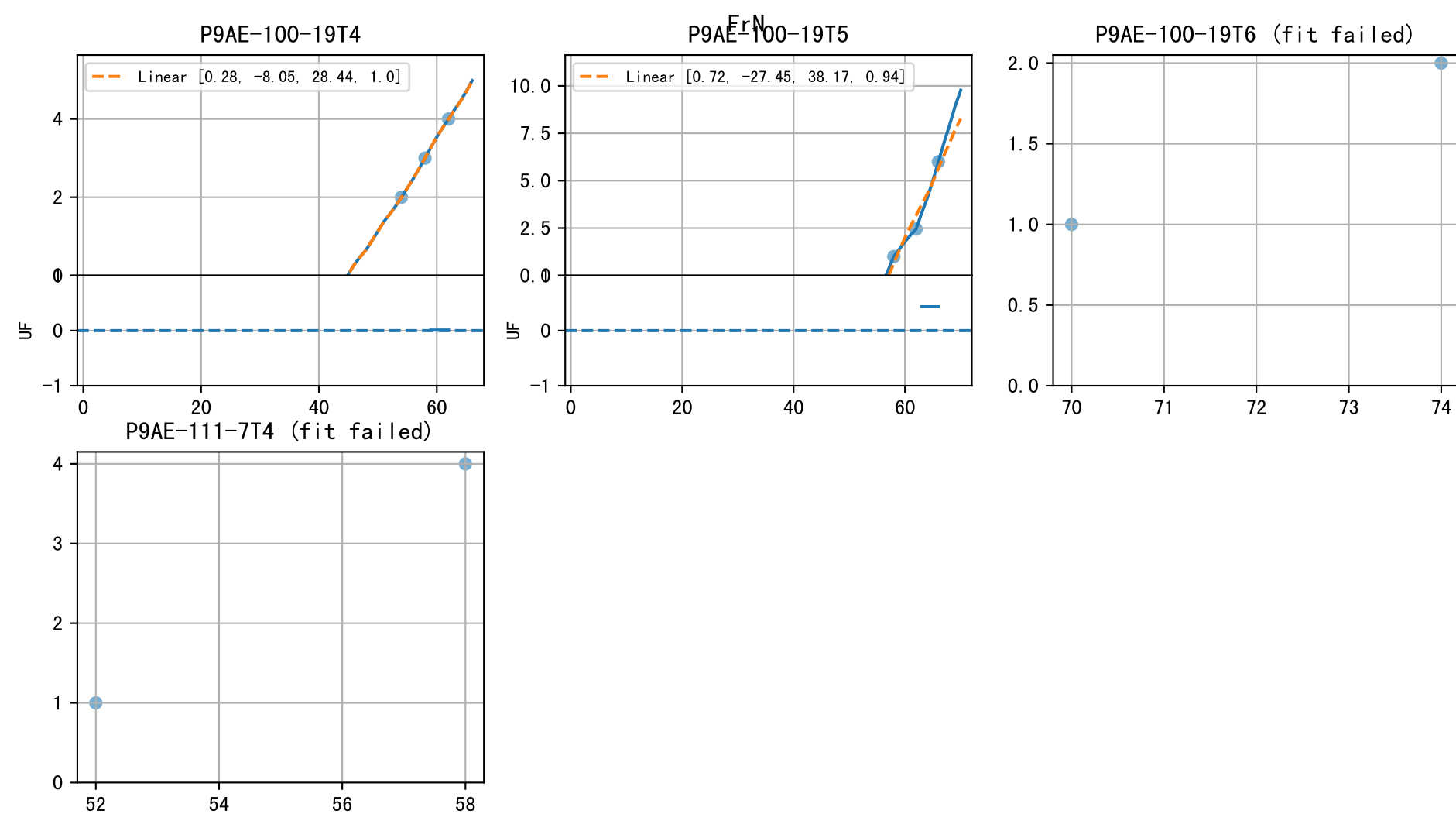


P9AE-100-19T2

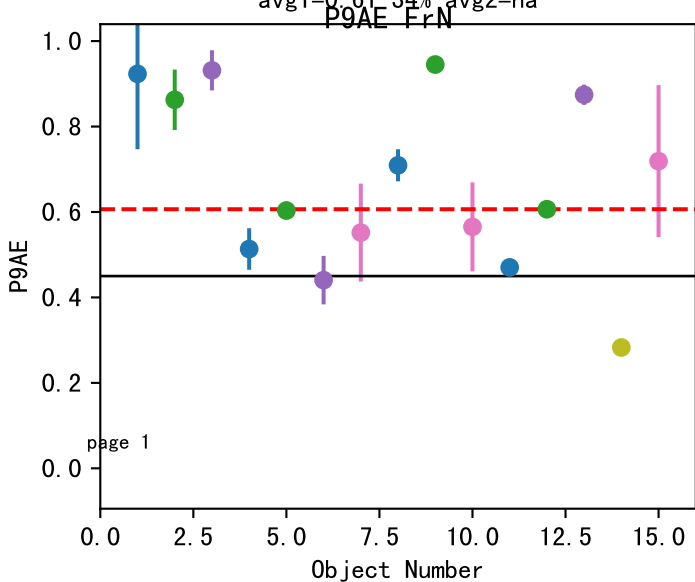


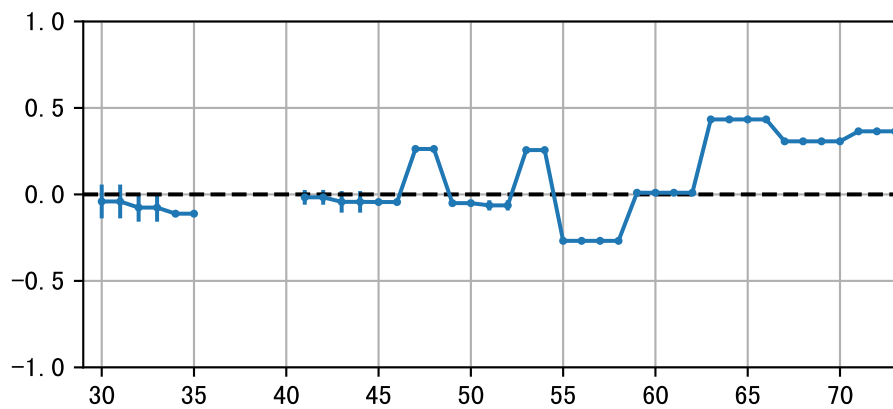
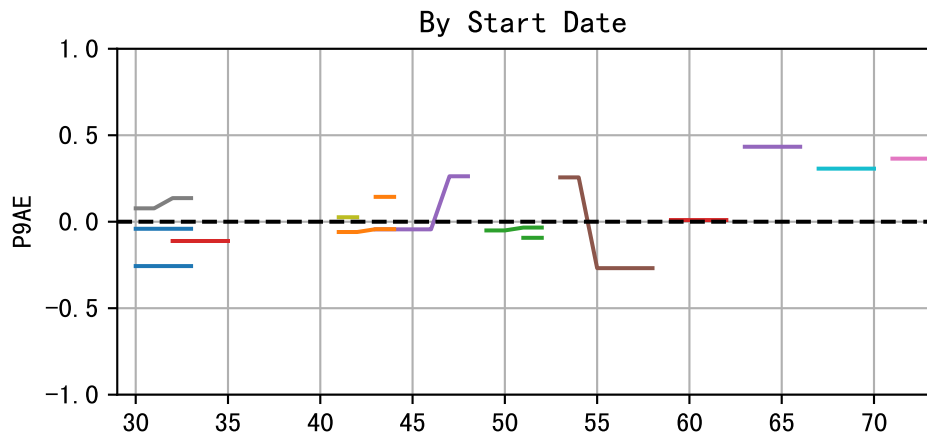
P9AE-100-19T3

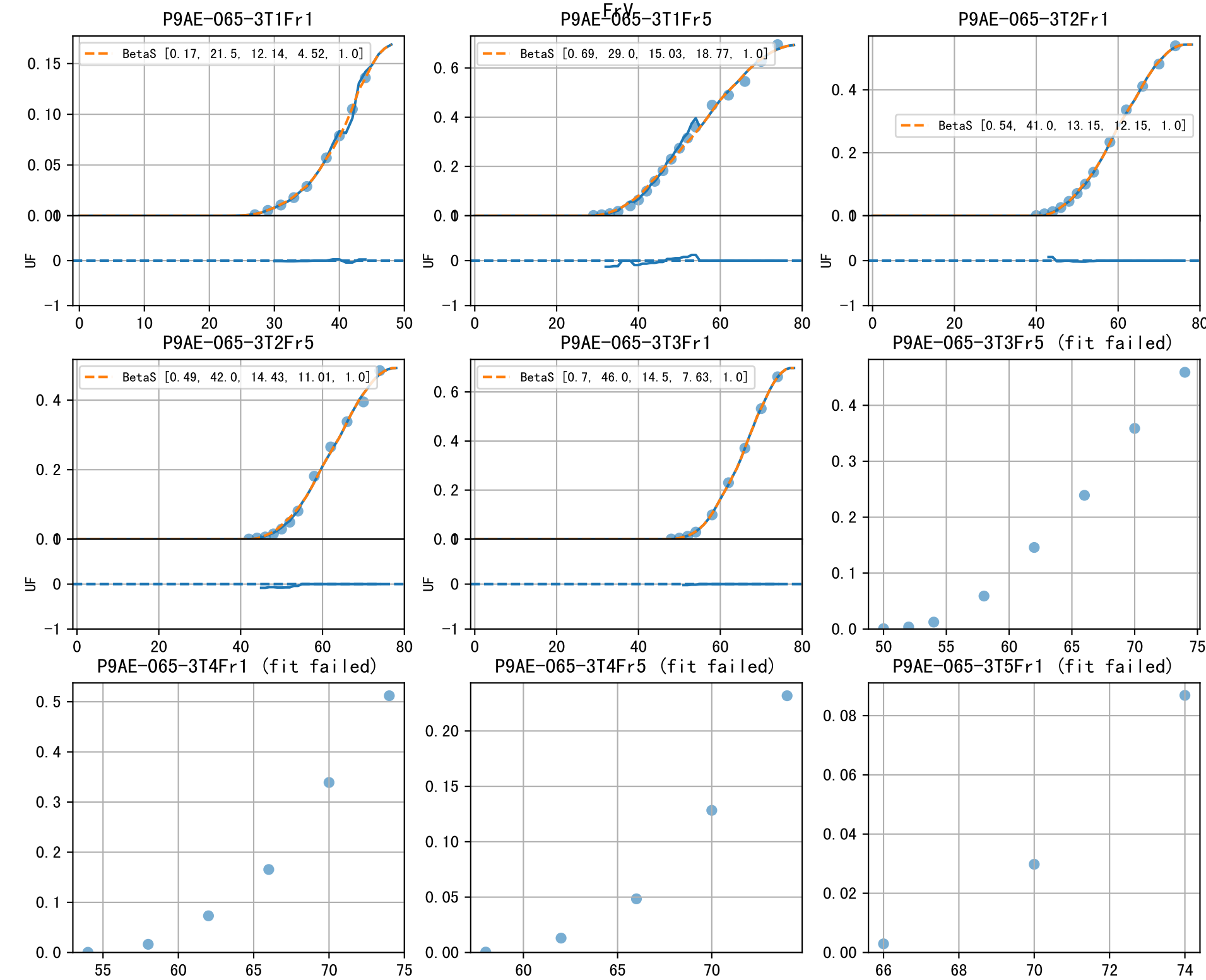


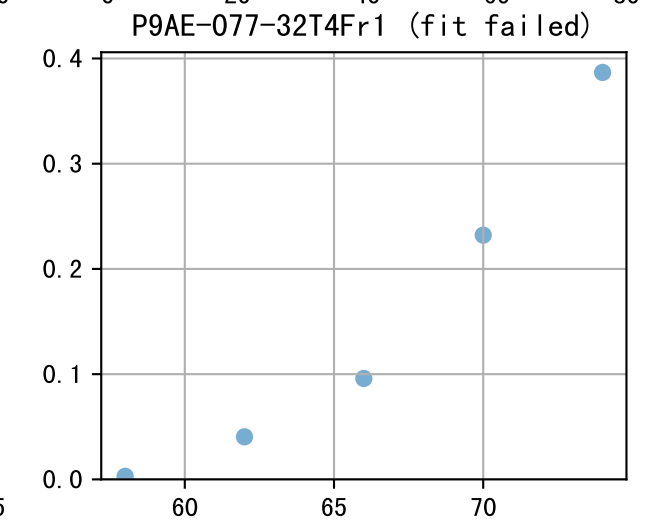
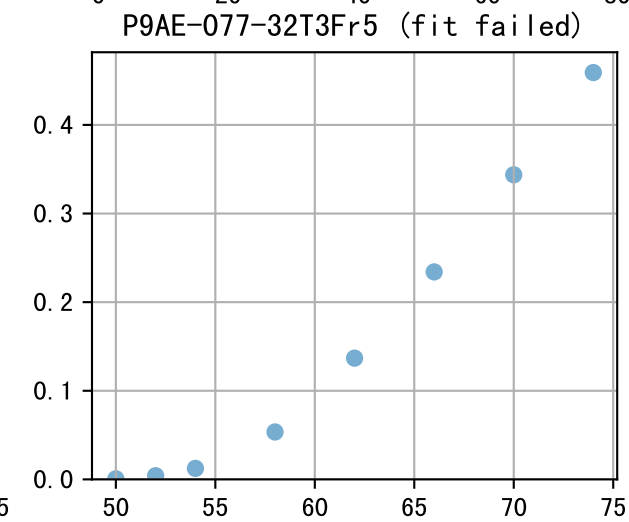
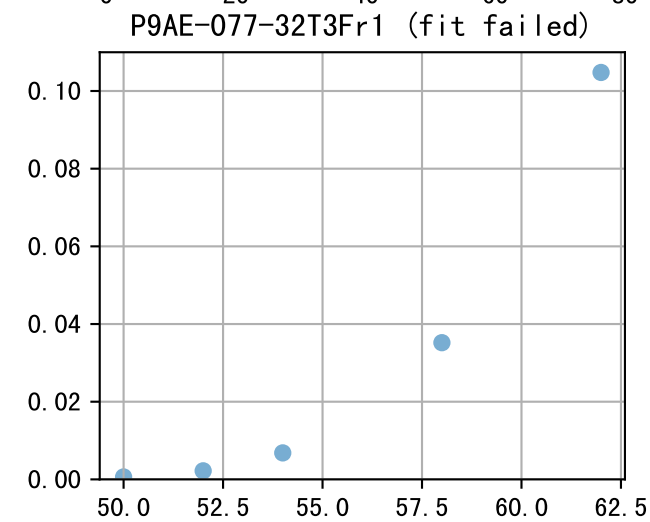
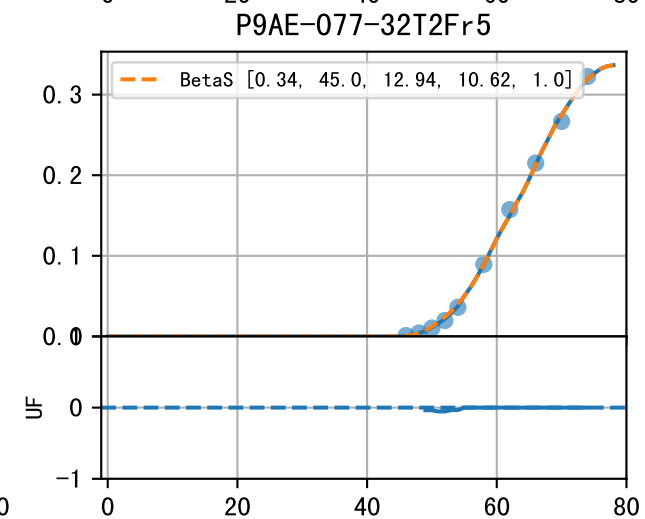
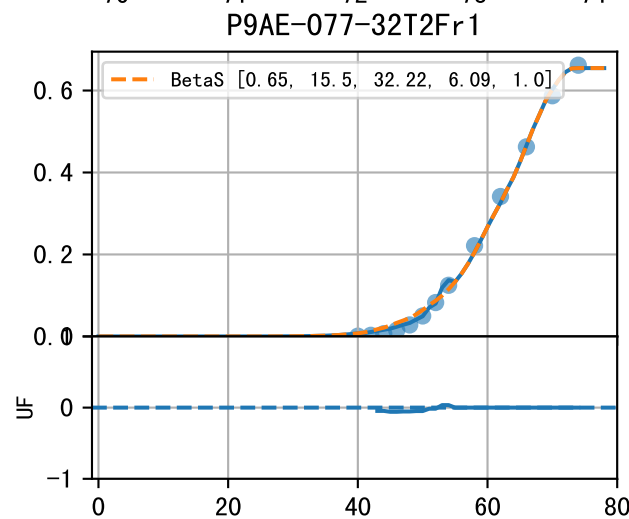
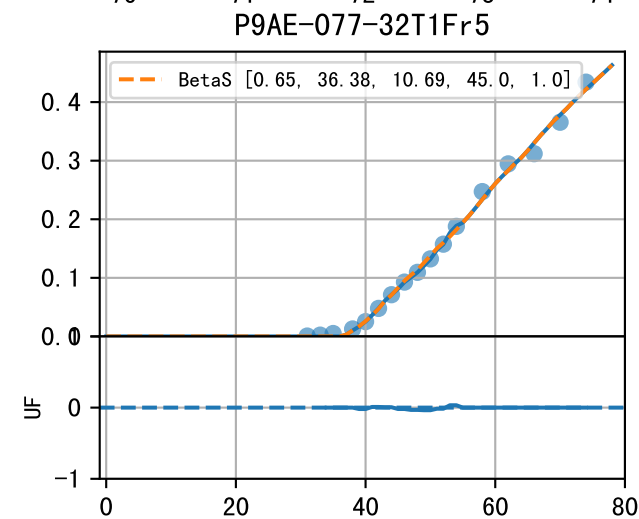
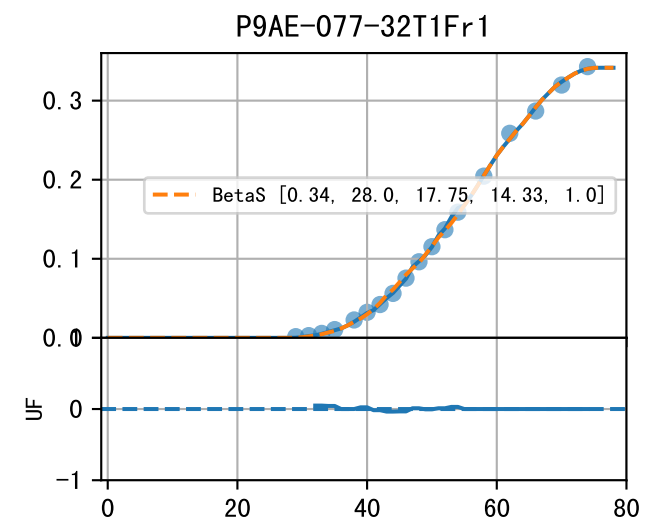
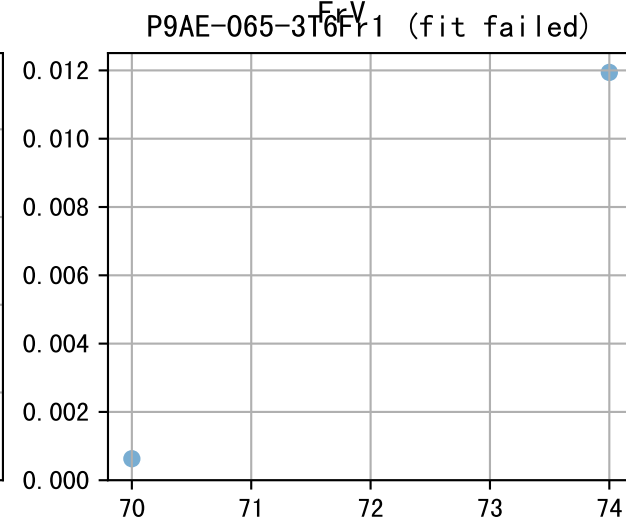
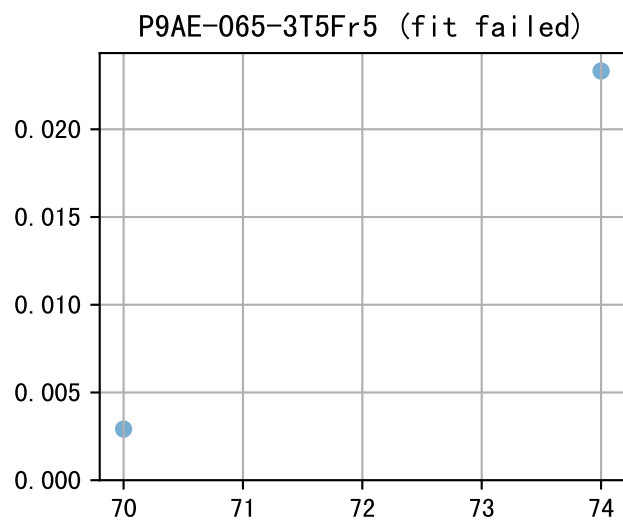


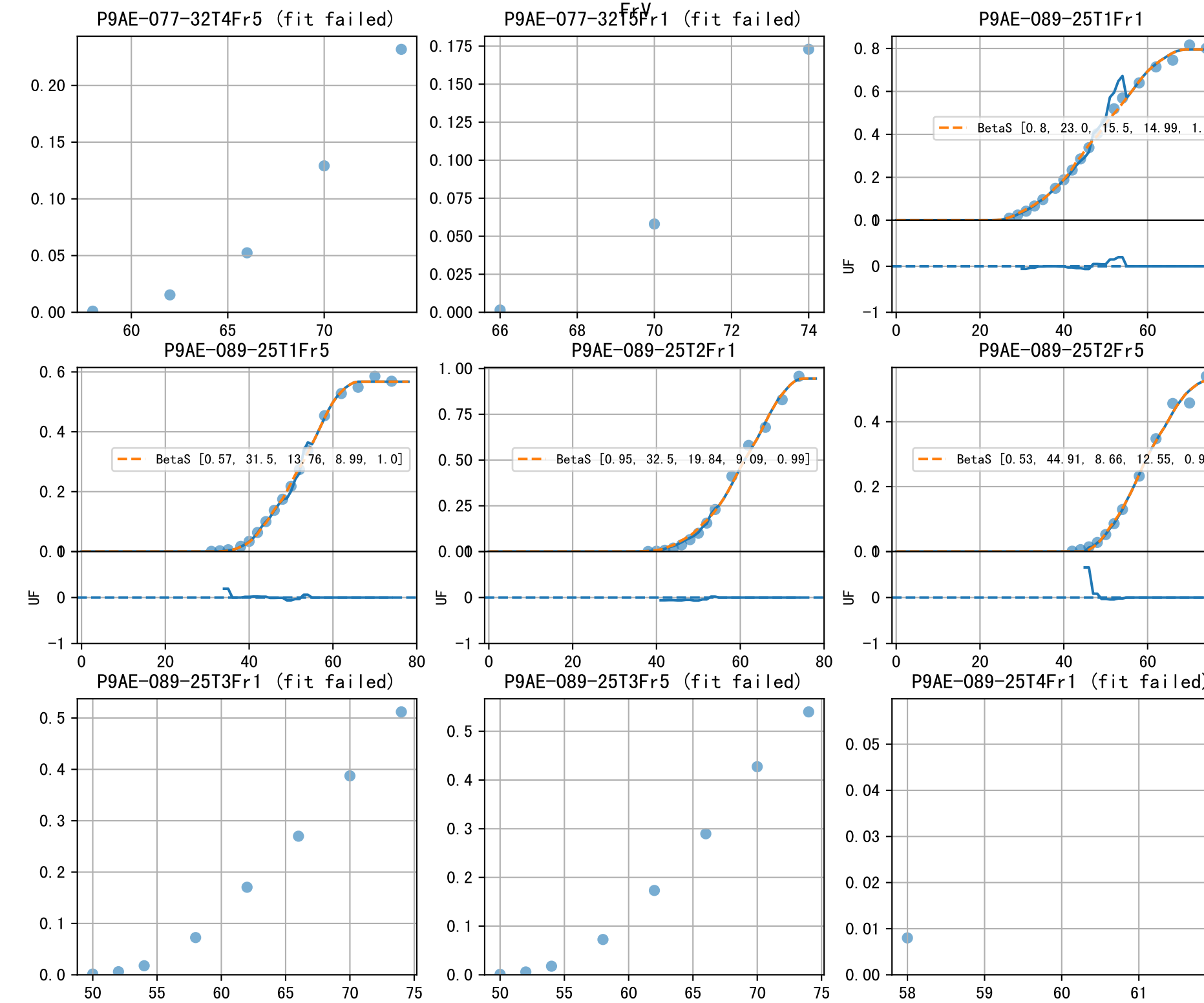
a (Def=0.45 Set=0.61)
avg1=0.61~34% avg2=na









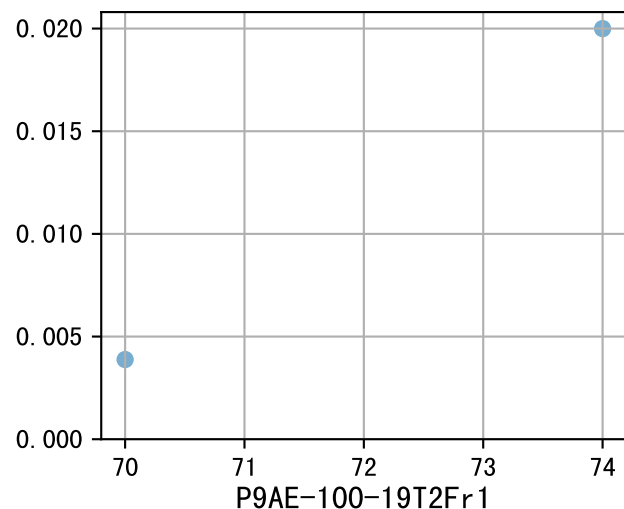
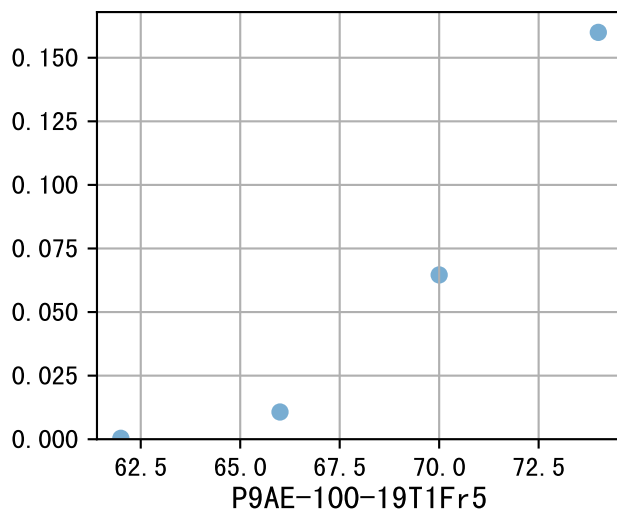
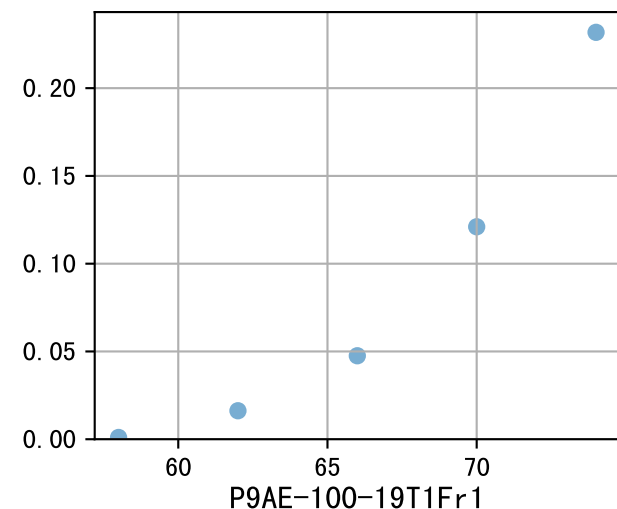


FrV

P9AE-089-25T4Fr5 (fit failed)

P9AE-089-25T5Fr1 (fit failed)

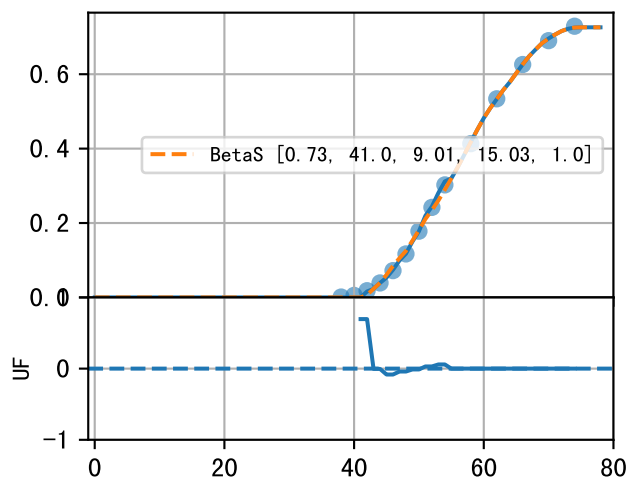
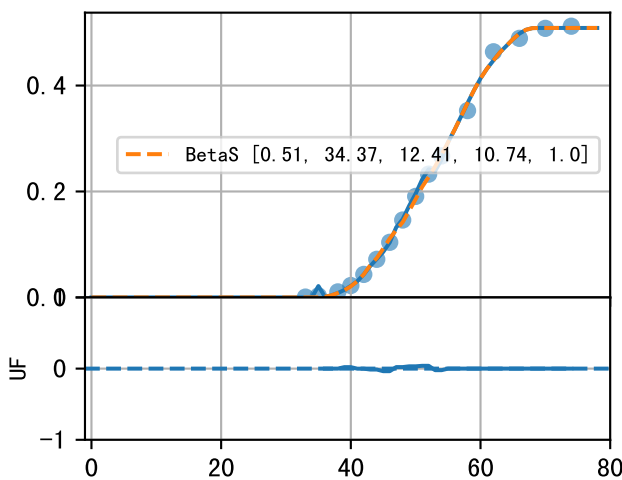
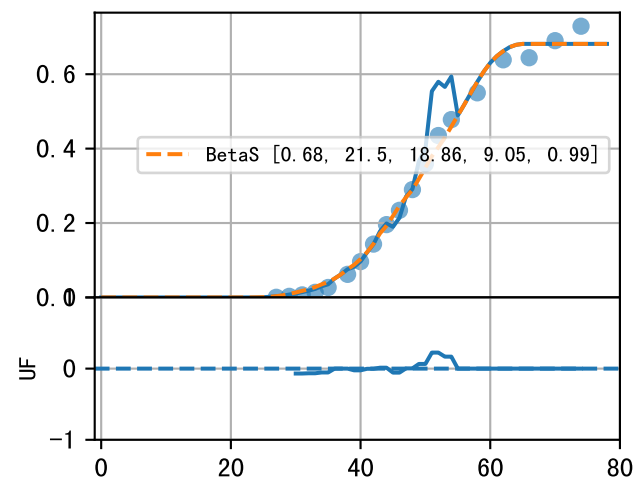
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P9AE-100-19T1Fr1

P9AE-100-19T1Fr5

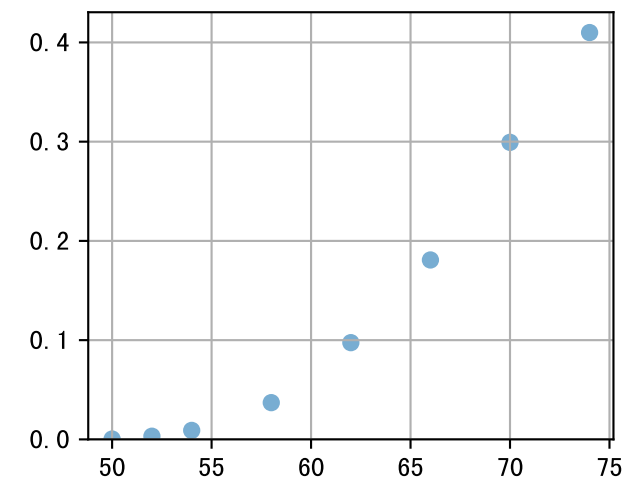
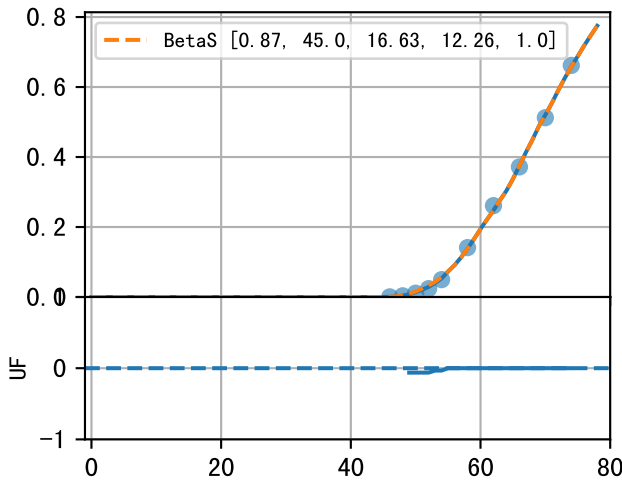
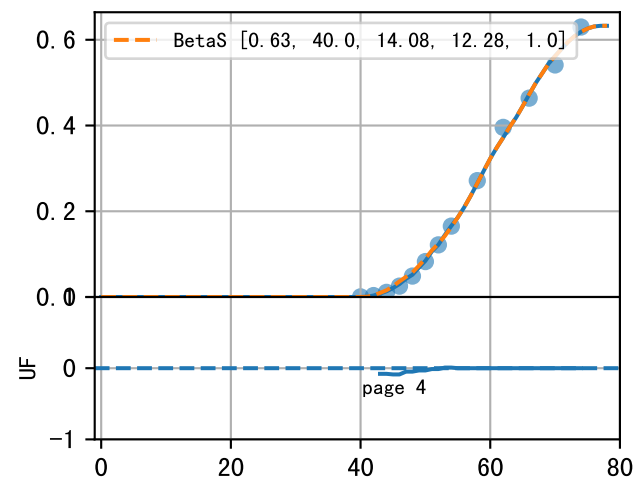
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P9AE-100-19T2Fr5

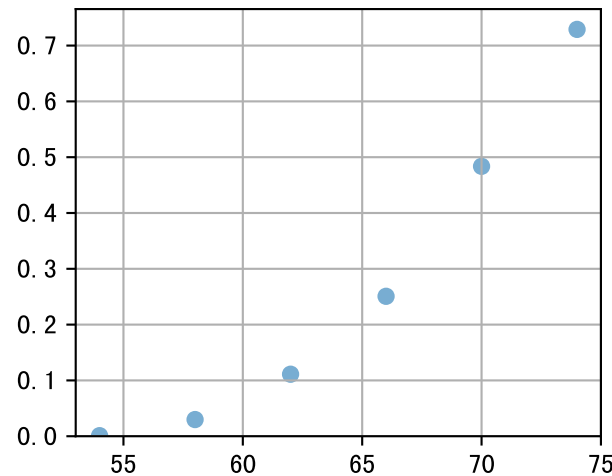
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P9AE-100-19T3Fr5 (fit failed)

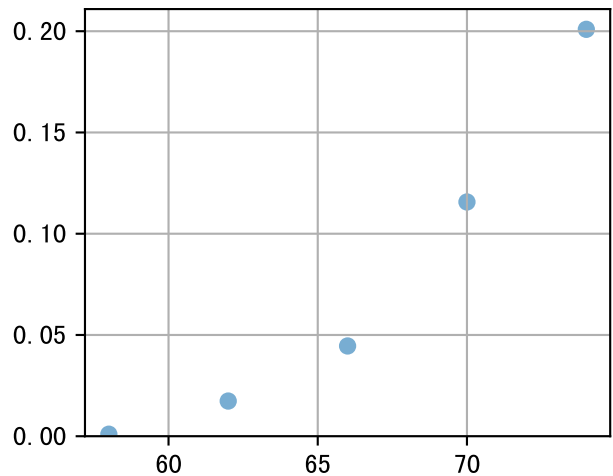


FrV

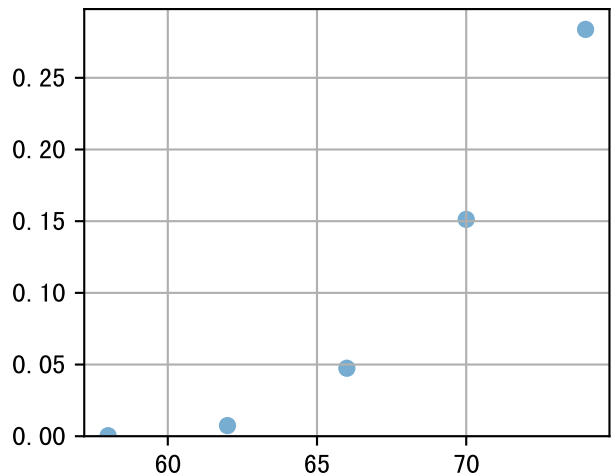
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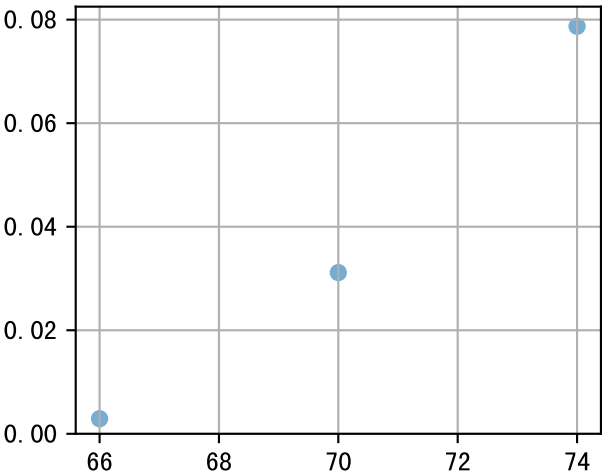
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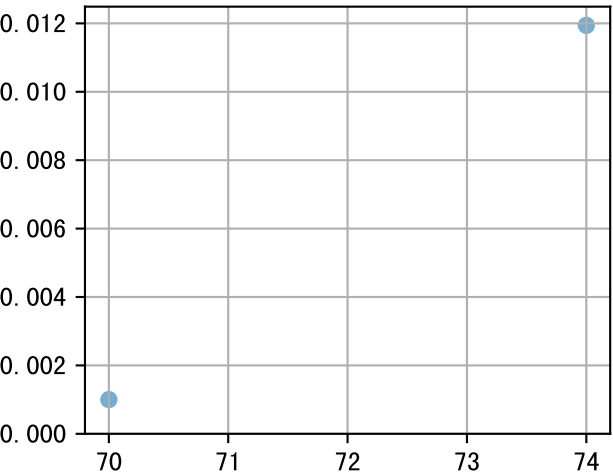
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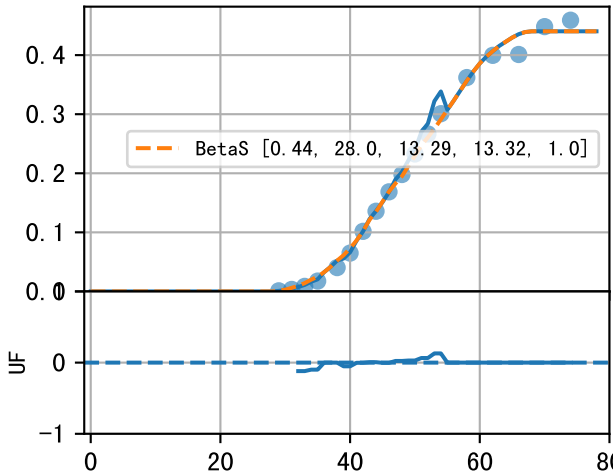
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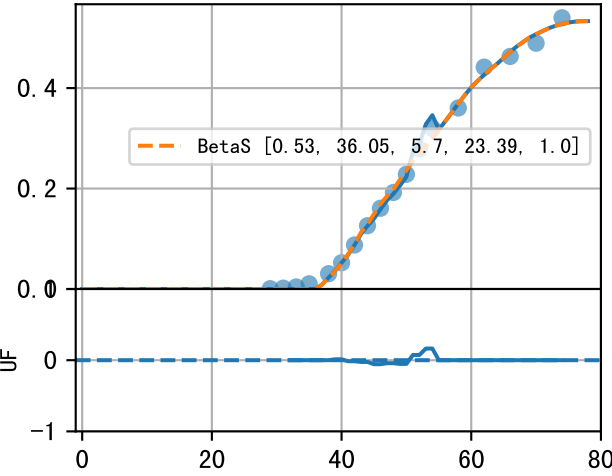
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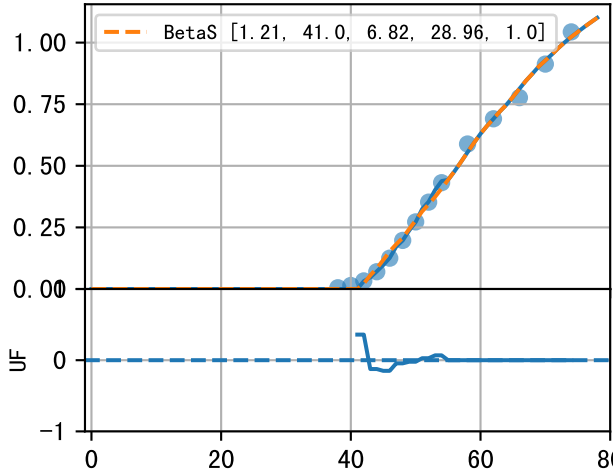
P9AE-111-7T1Fr1



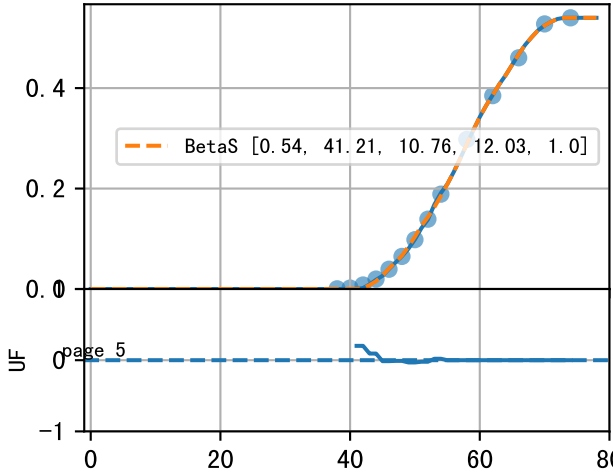
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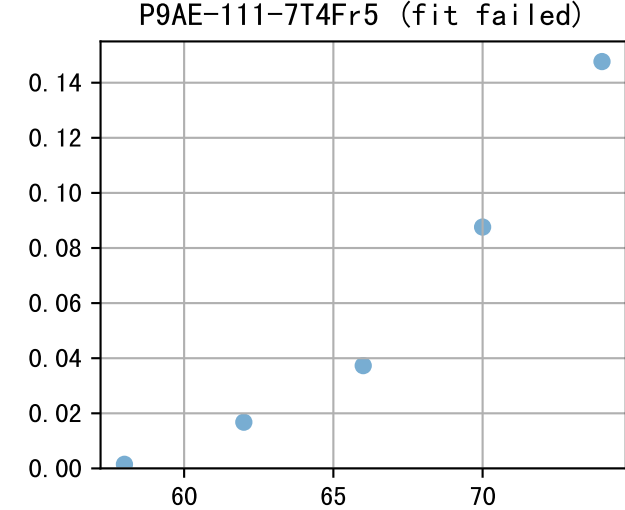
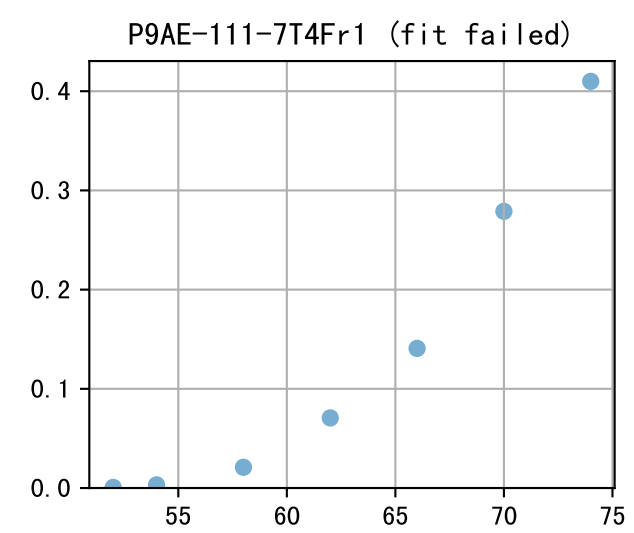
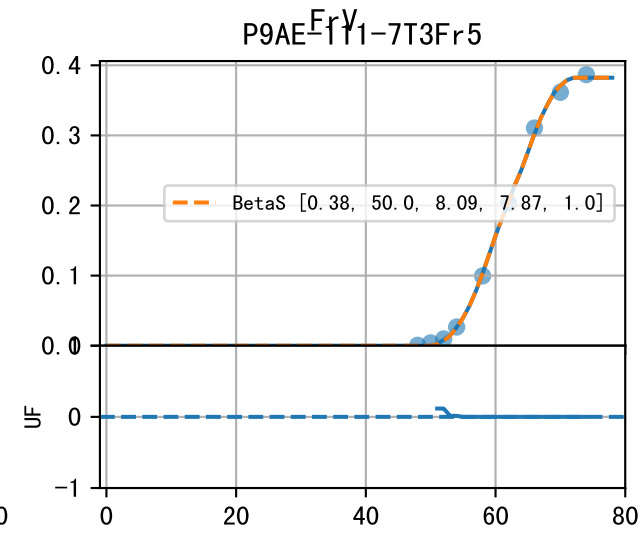
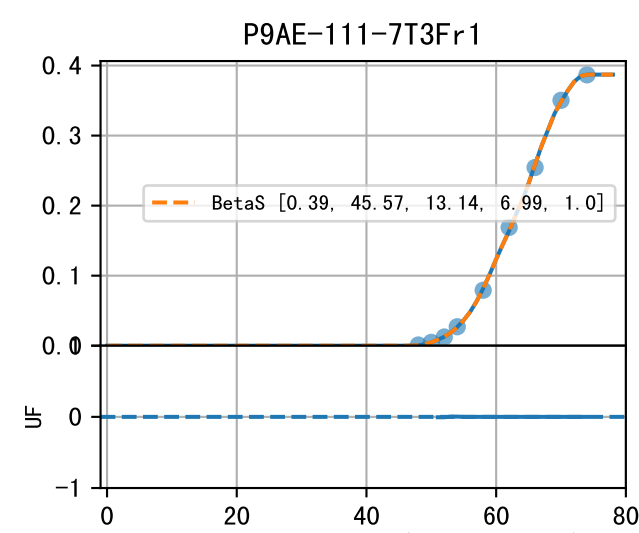


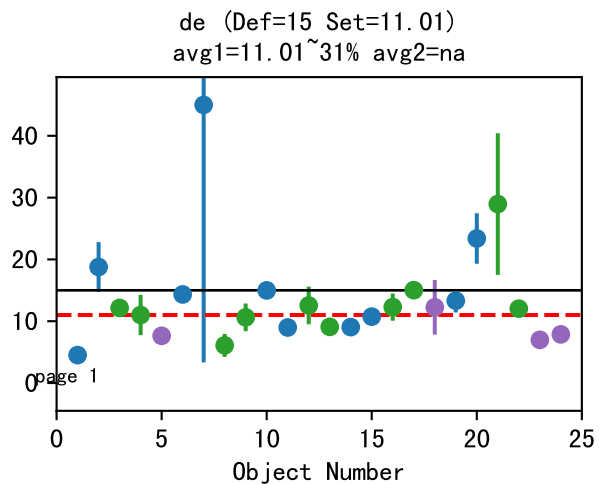
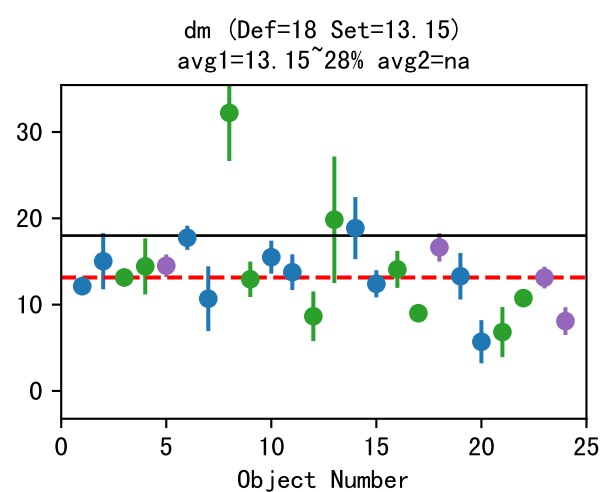
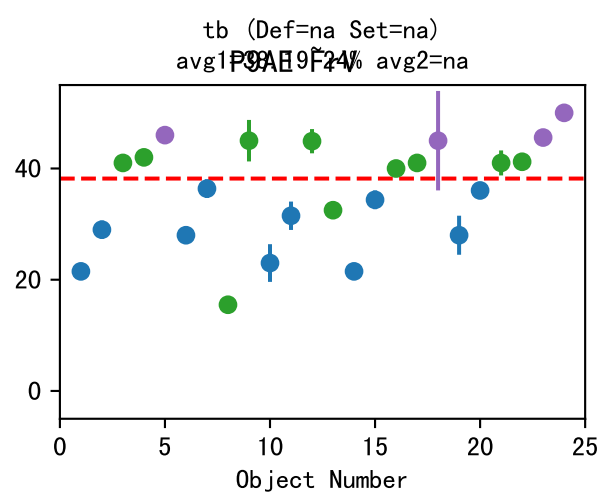
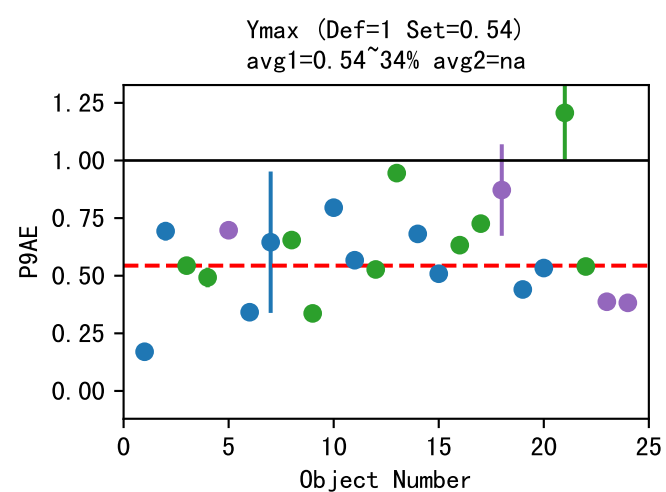
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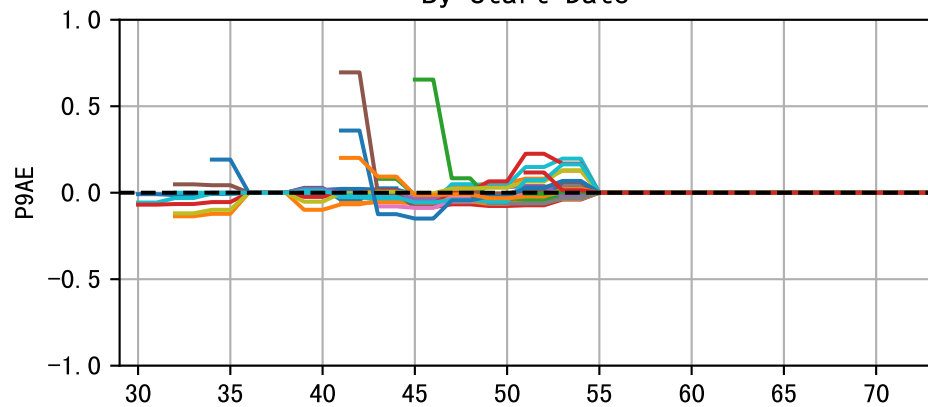
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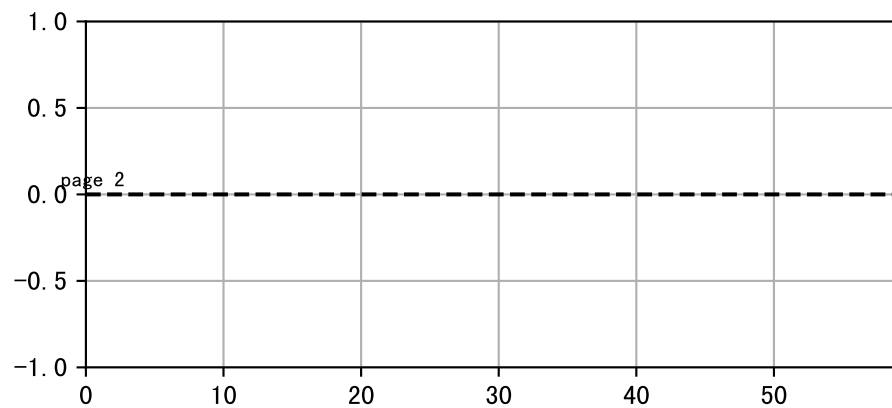
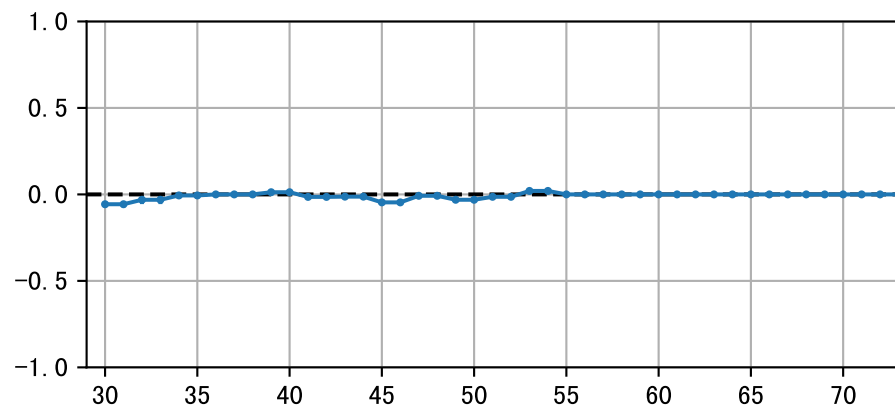
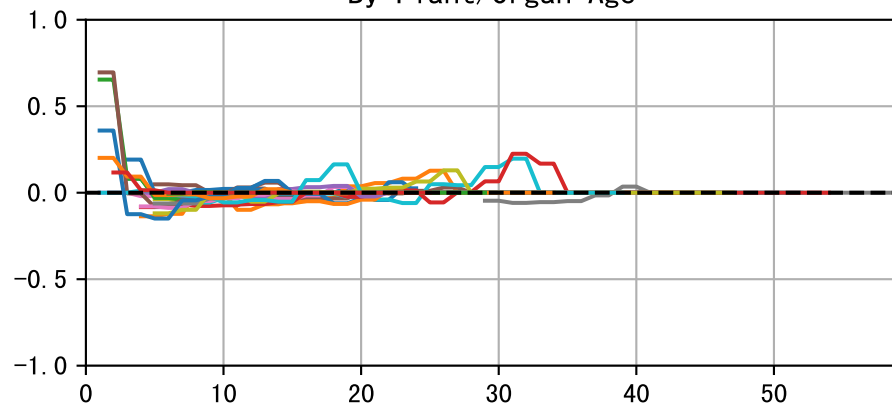




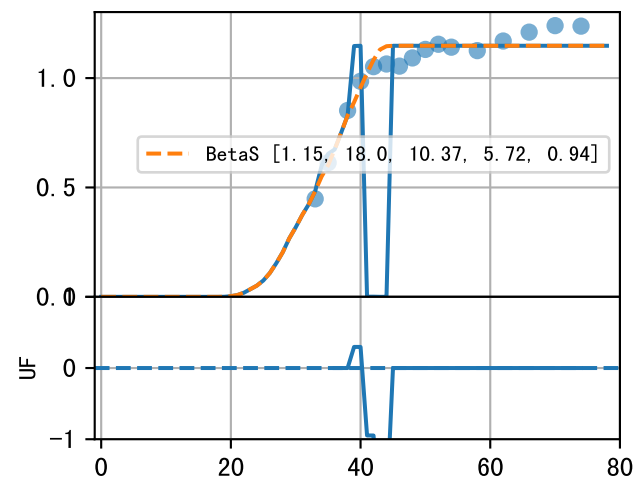
By Start Date



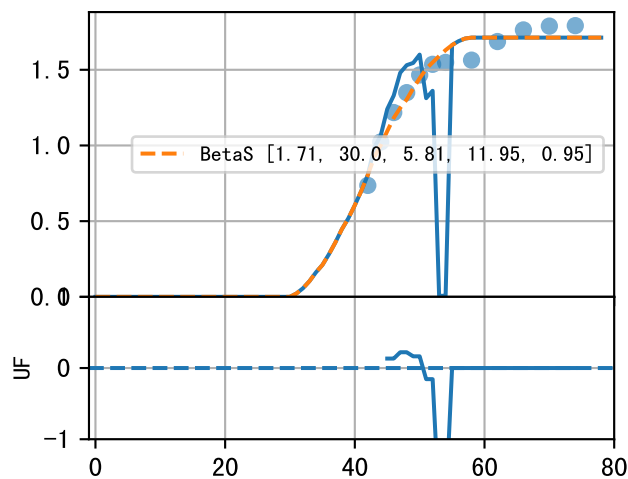
By Plant/Organ Age



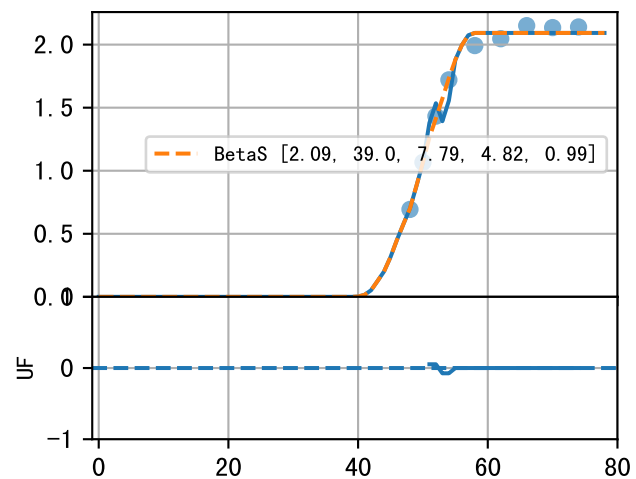
P9AE-065-3L10 (fit failed)



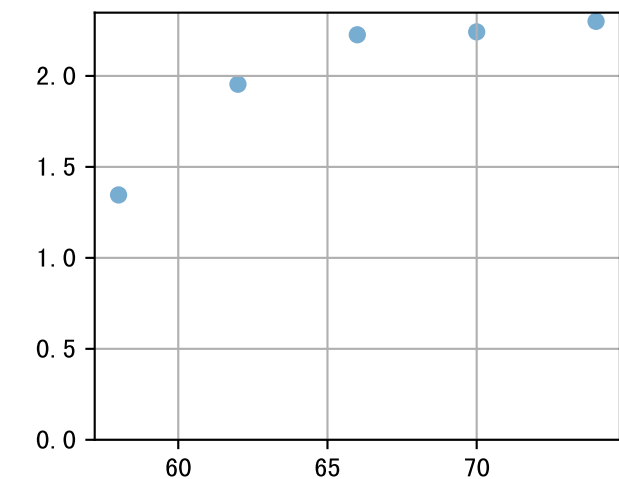
P9AE-065-3L14 (fit failed)



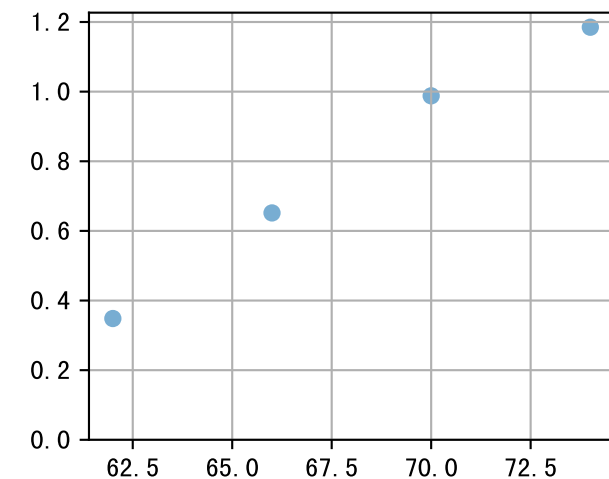
P9AE-065-3L17 (fit failed)



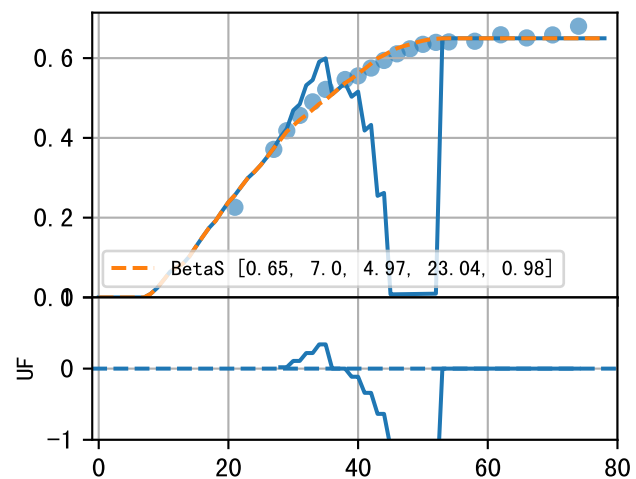
P9AE-065-3L19 (fit failed)



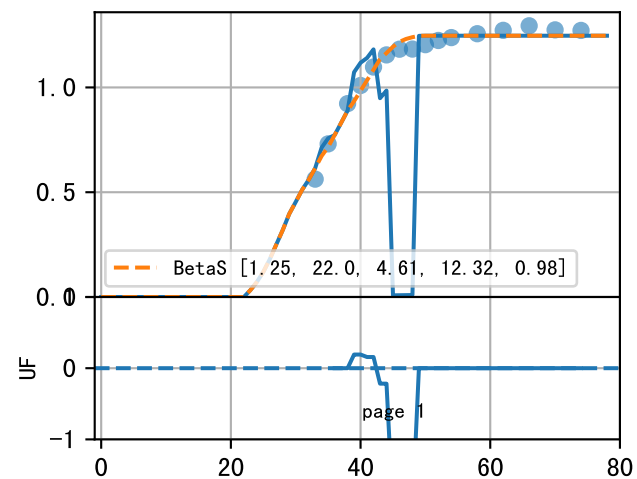
P9AE-065-3L22 (fit failed)



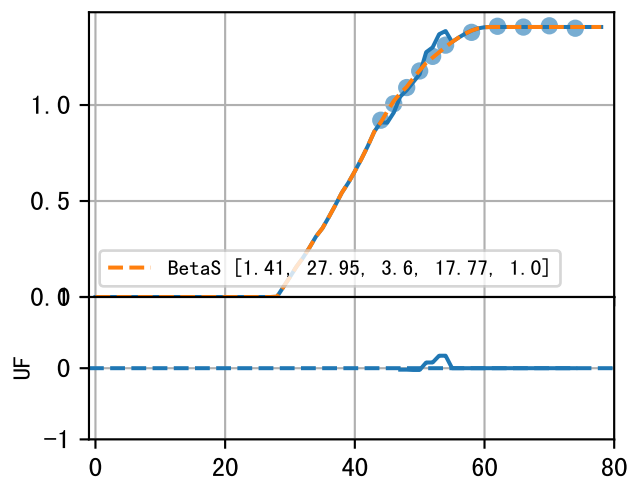
P9AE-065-3L7 (fit failed)



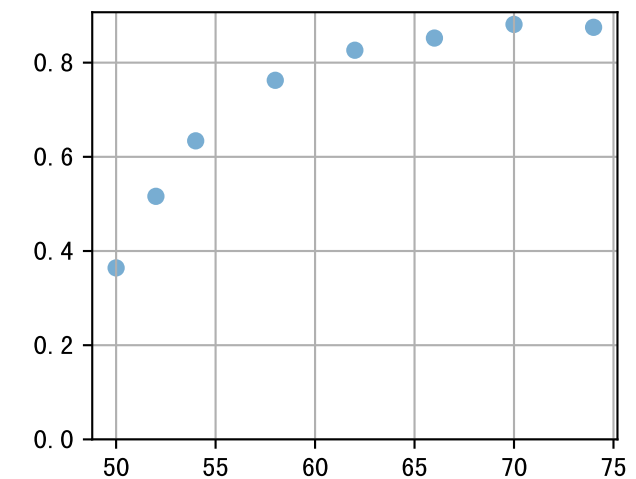
P9AE-077-32L10 (fit failed)



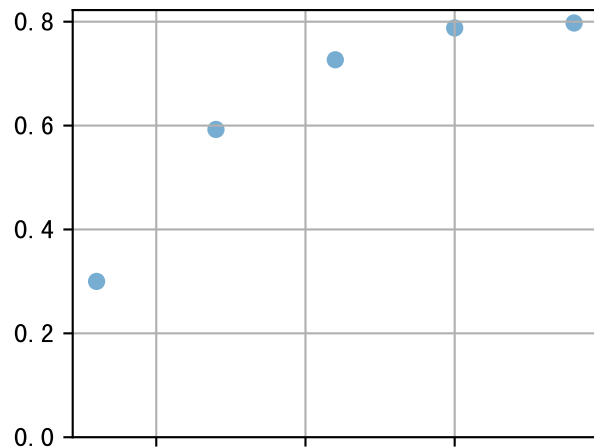
P9AE-077-32L13



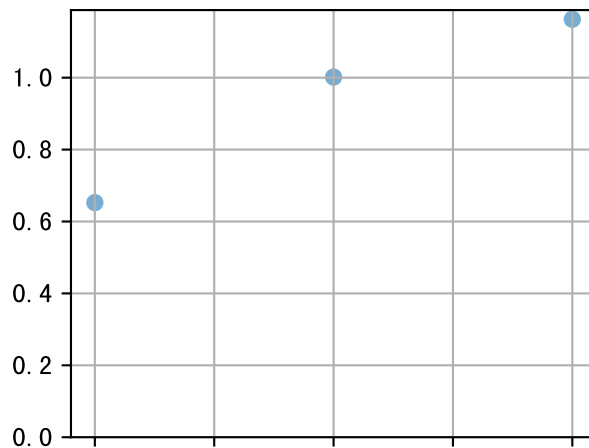
P9AE-077-32L16 (fit failed)



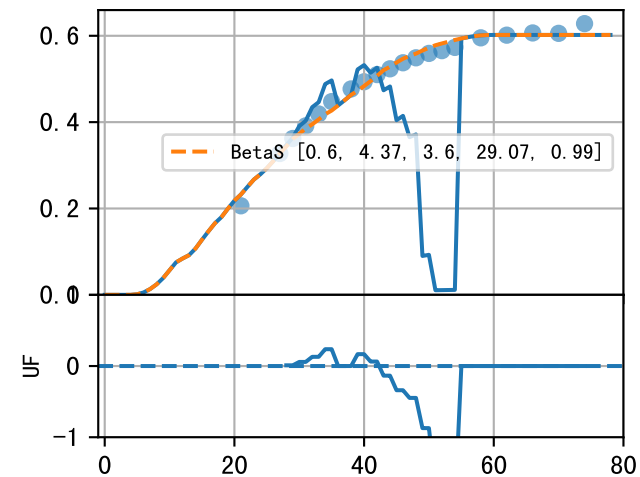
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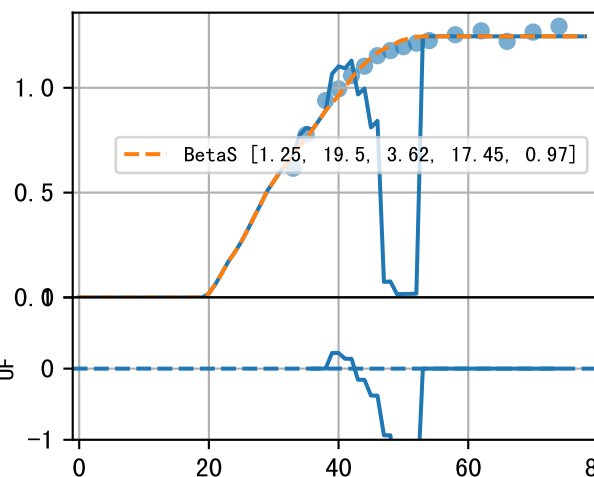
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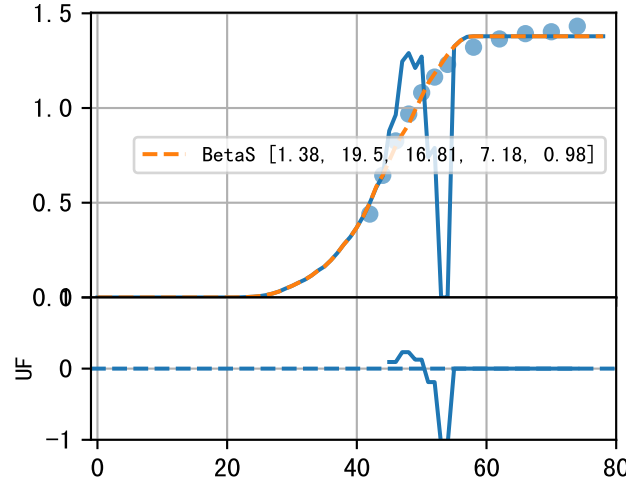
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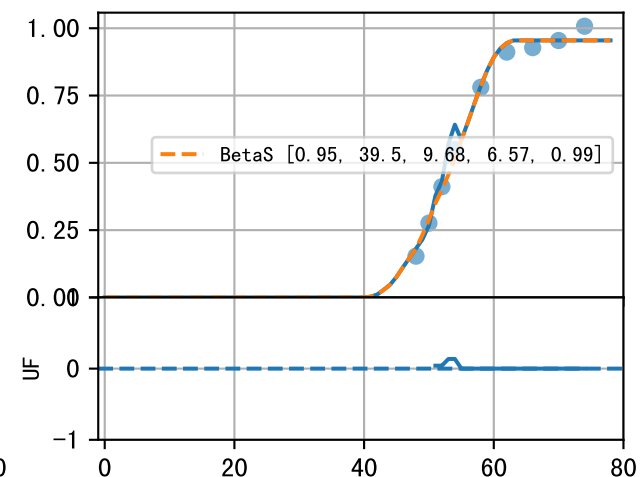
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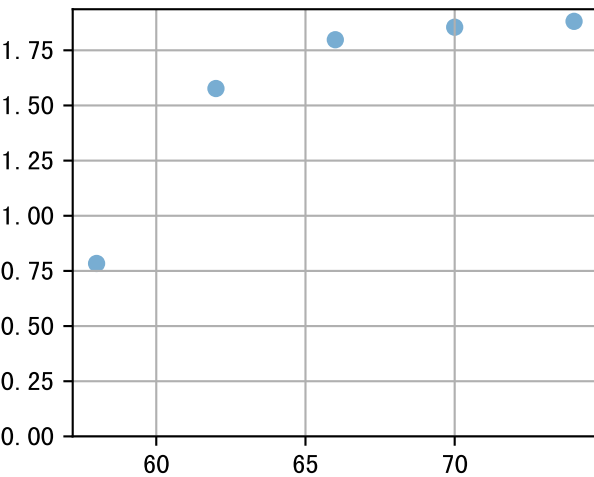
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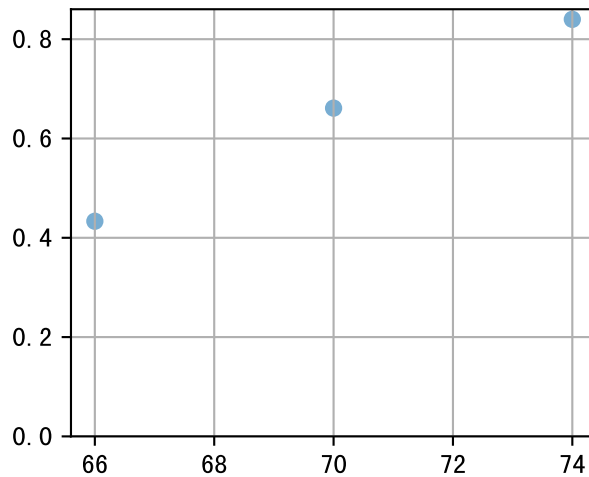
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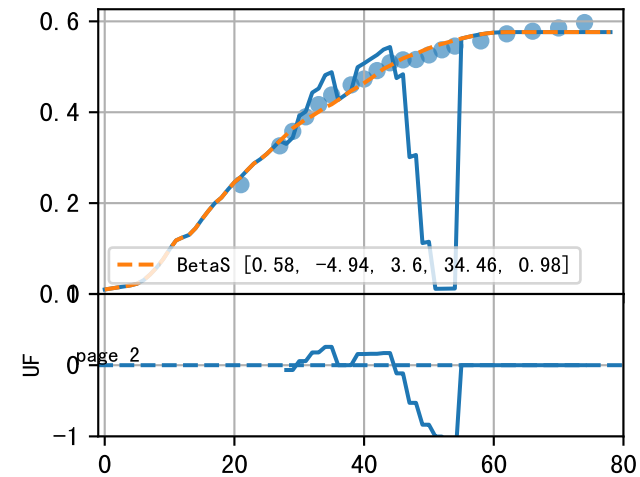
P9AE-089-25L19 (fit failed)



P9AE-089-25L22 (fit failed)



P9AE-089-25L7 (fit failed)

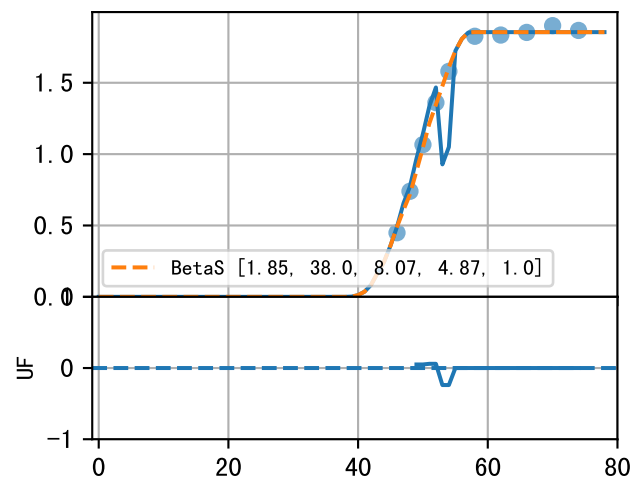
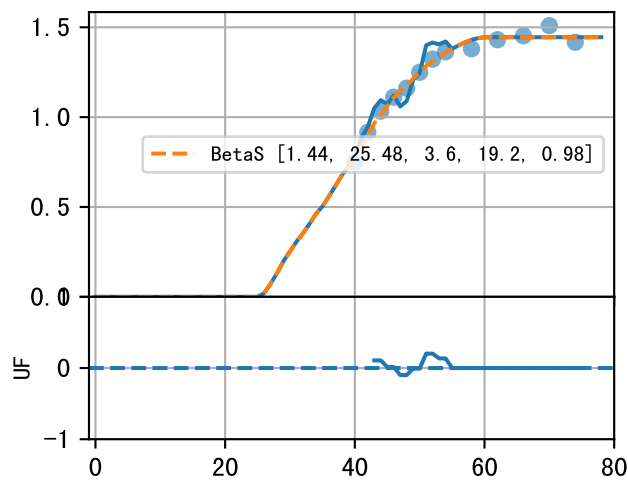
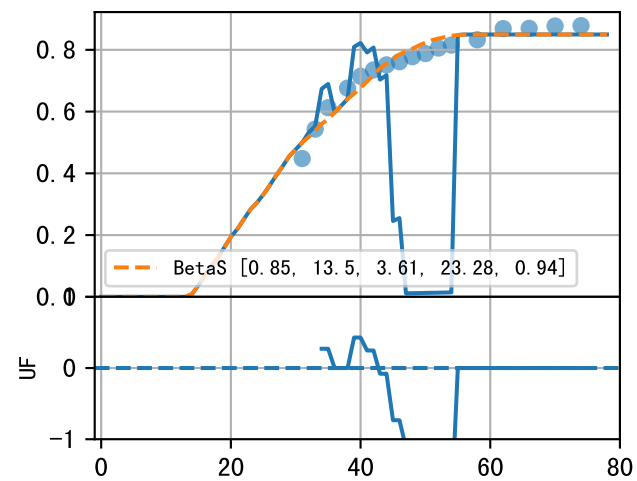


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P9AE-100-19L10 (fit failed)

P9AE-100-19L13 (fit failed)

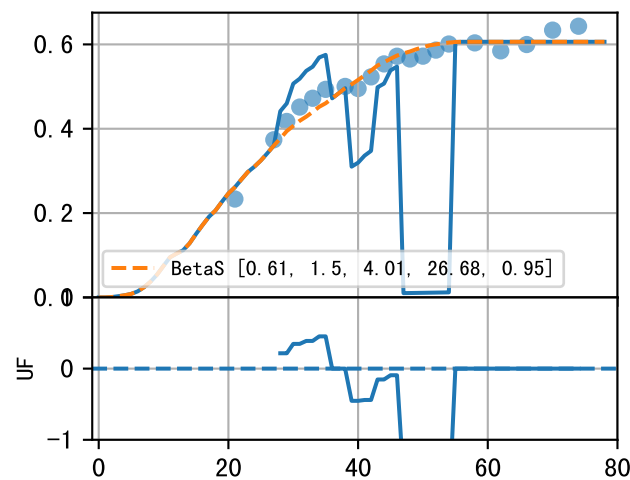
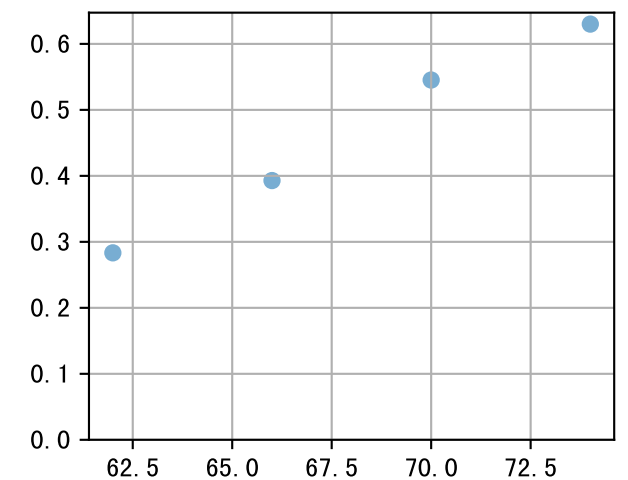
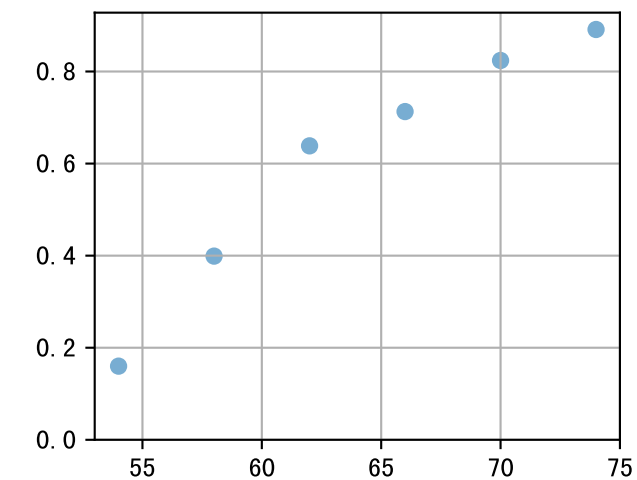
P9AE-100-19L16



P9AE-100-19L19 (fit failed)

P9AE-100-19L22 (fit failed)

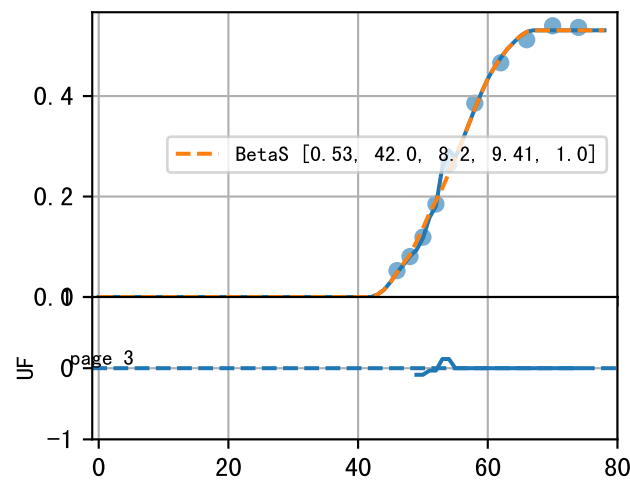
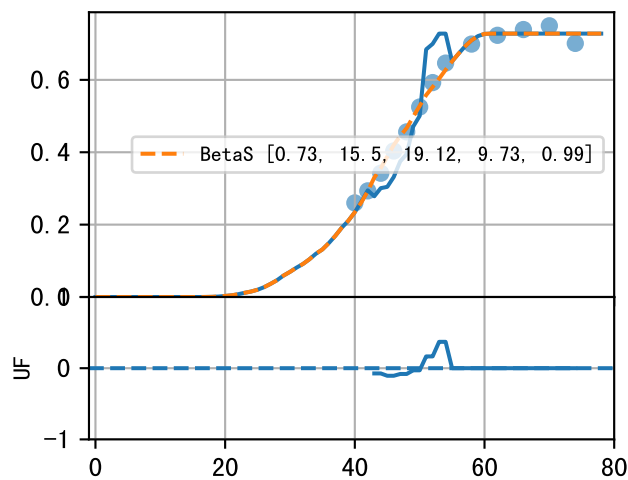
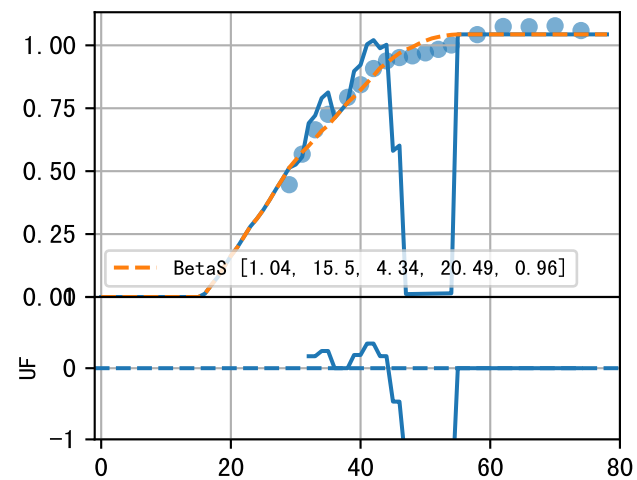
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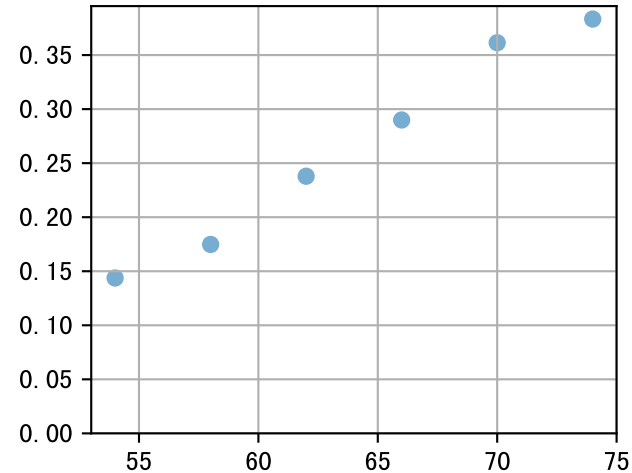
P9AE-111-7L10 (fit failed)

P9AE-111-7L14 (fit failed)

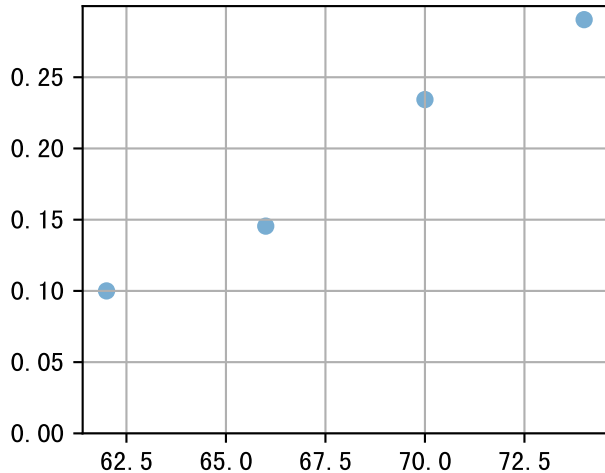
P9AE-111-7L17



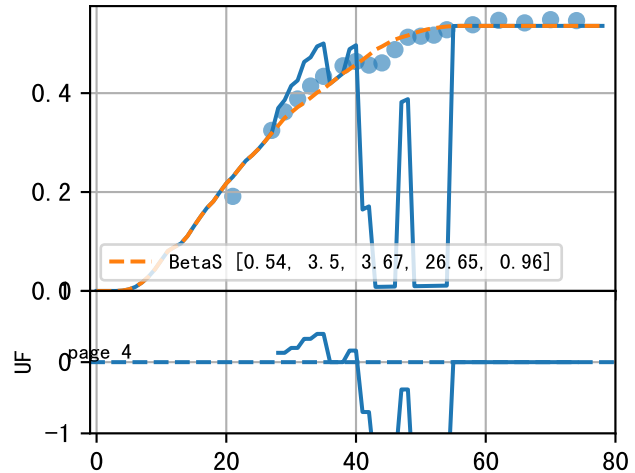
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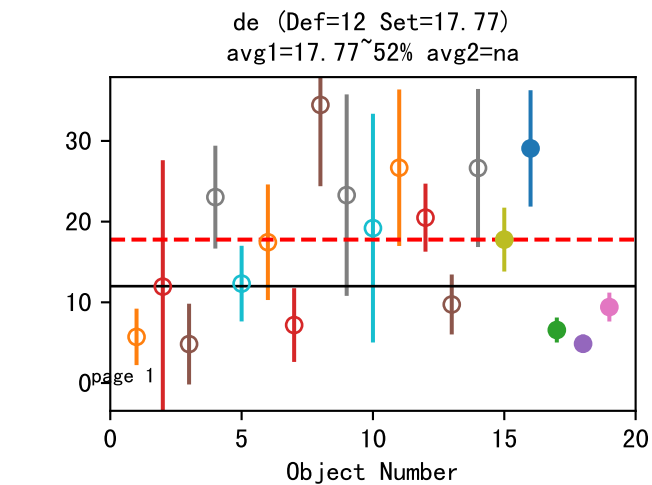
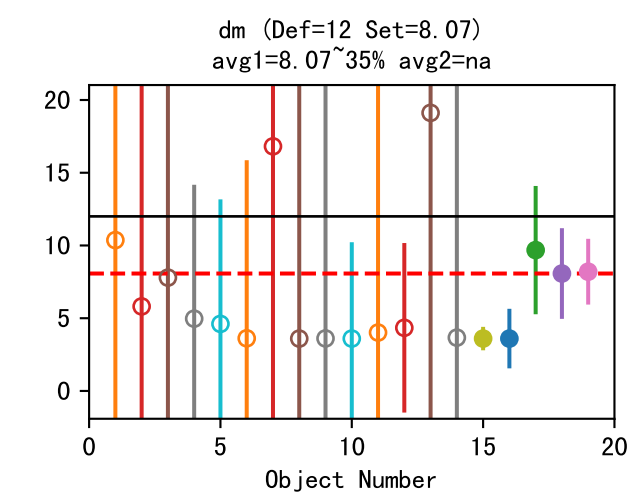
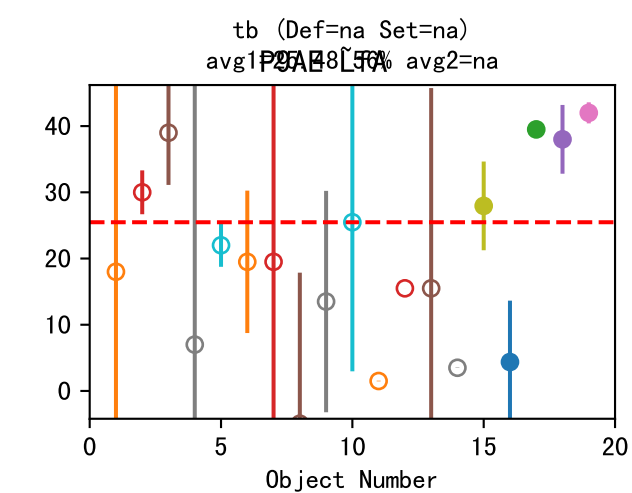
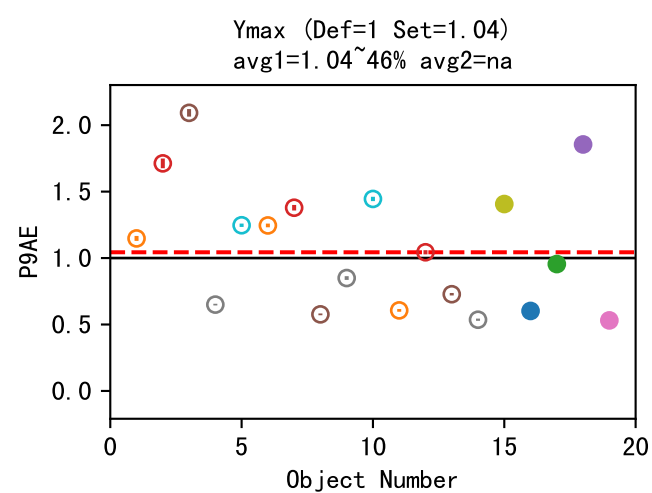


P9AE-111-7L23 (fit failed)

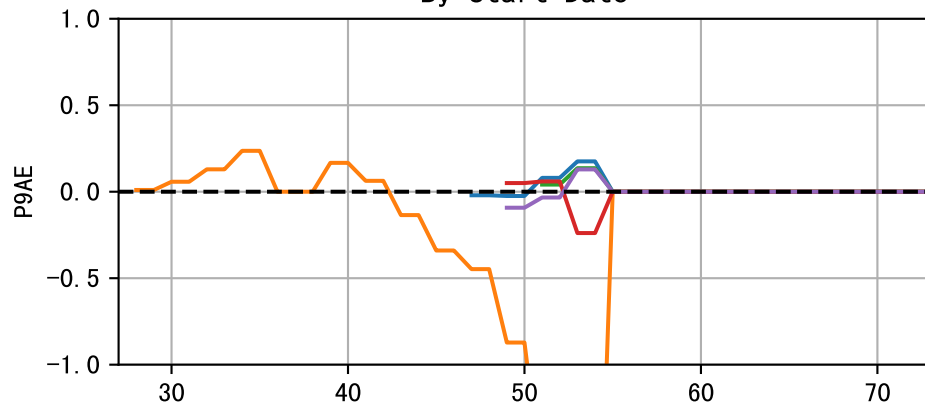


P9AE-111-7L7 (fit failed)

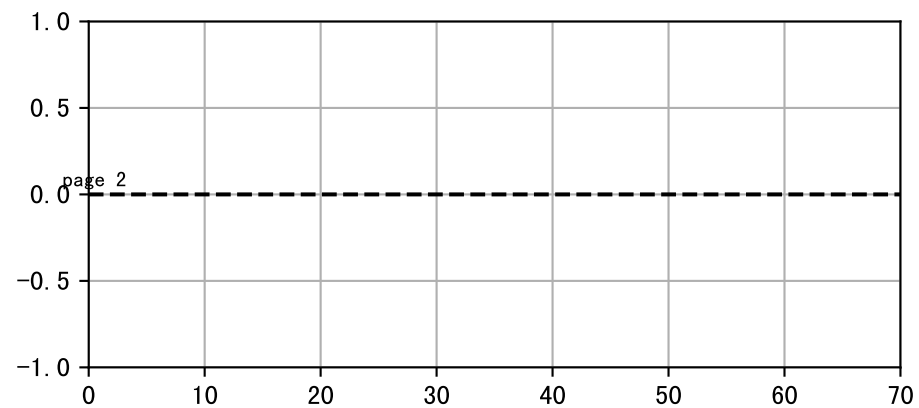
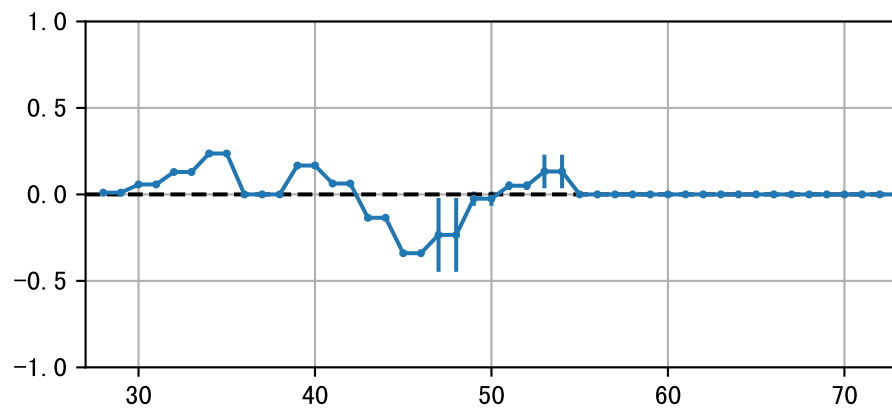
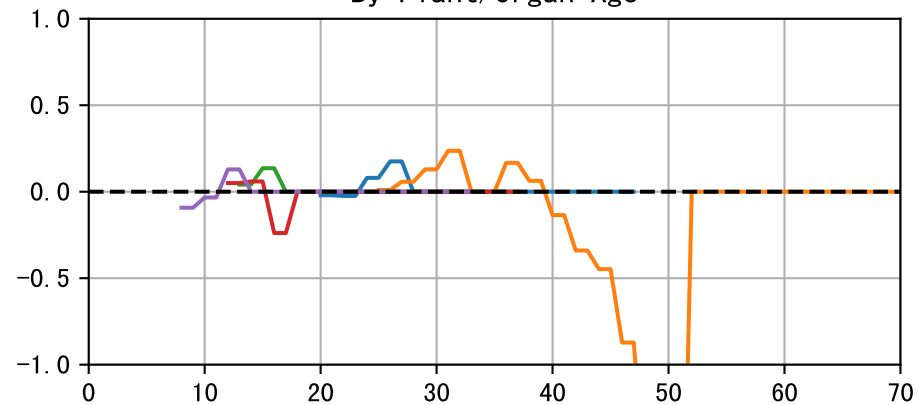


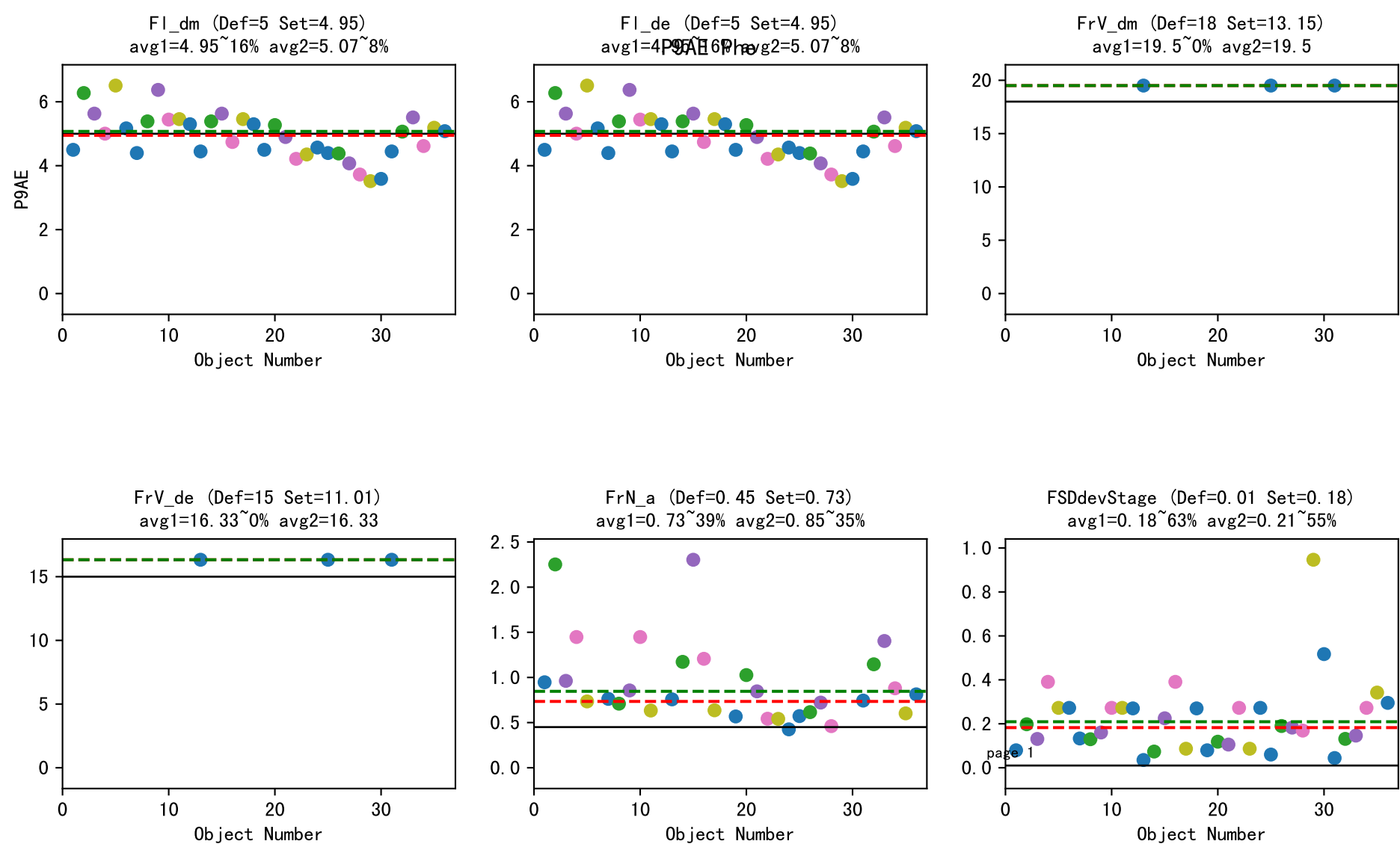


By Start Date

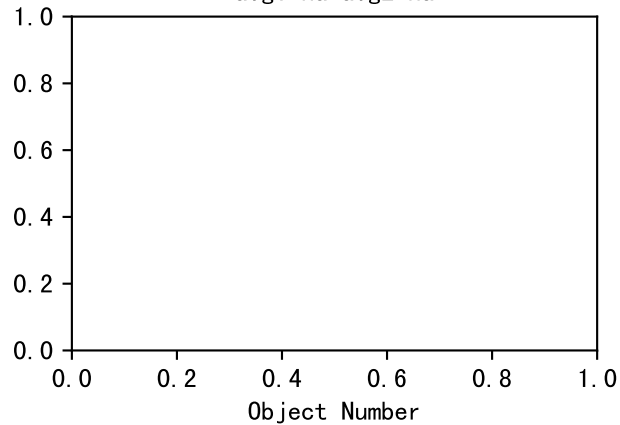


By Plant/Organ Age

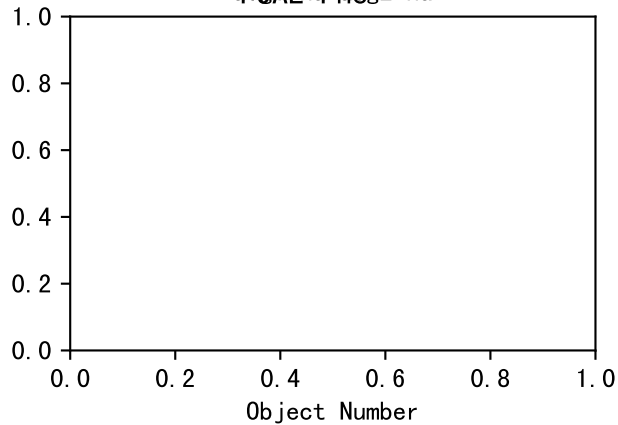




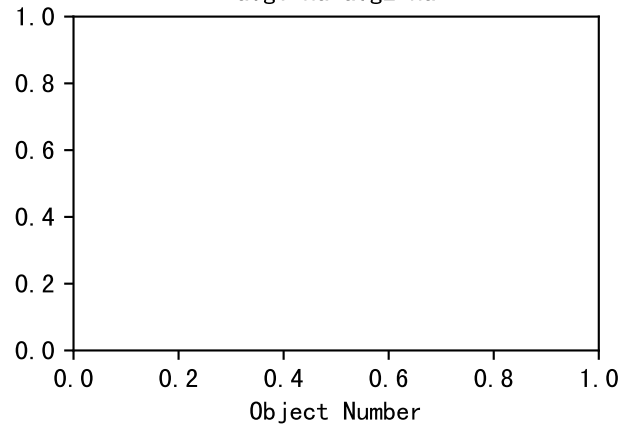
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



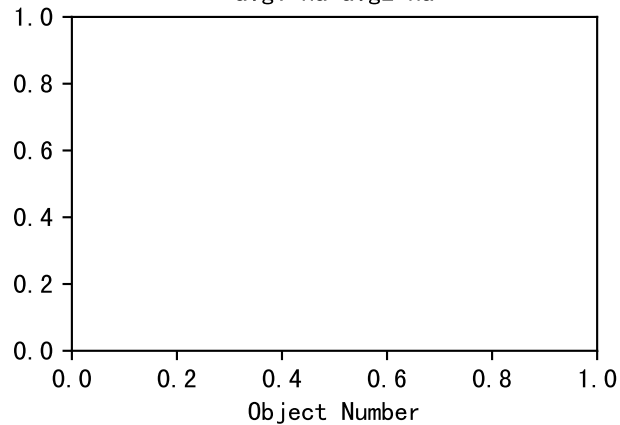
FMBDdevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



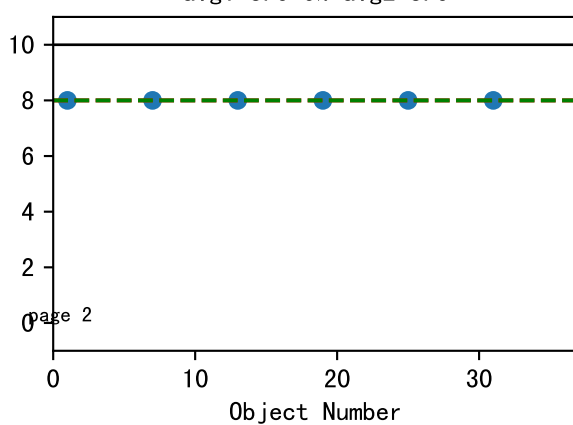
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



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

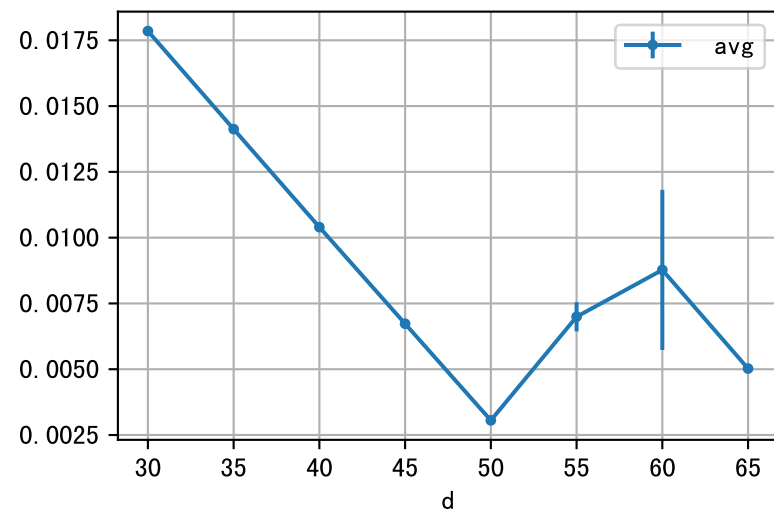


NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=8.0

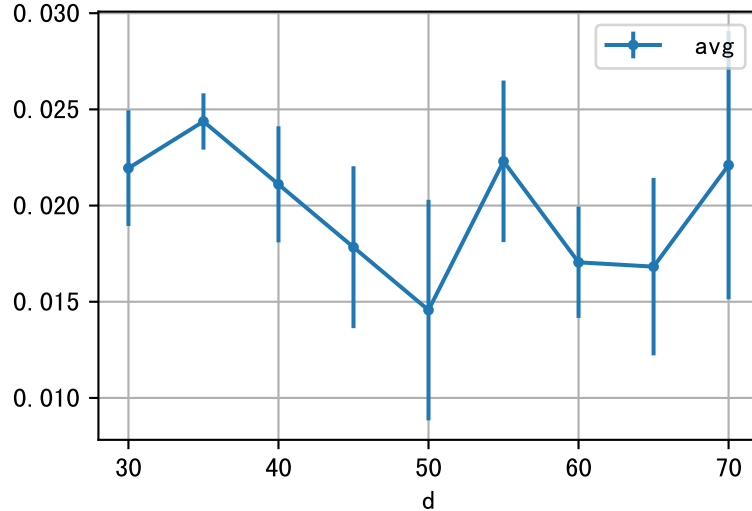


LfA: avg vs. d at each age group

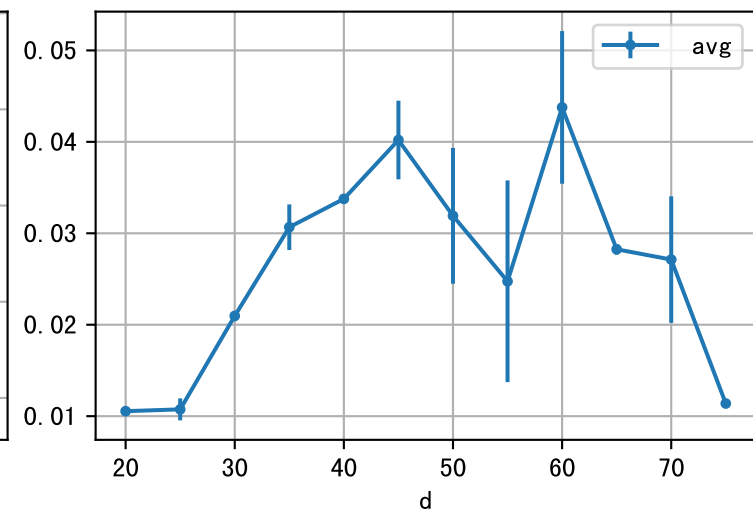
age=15



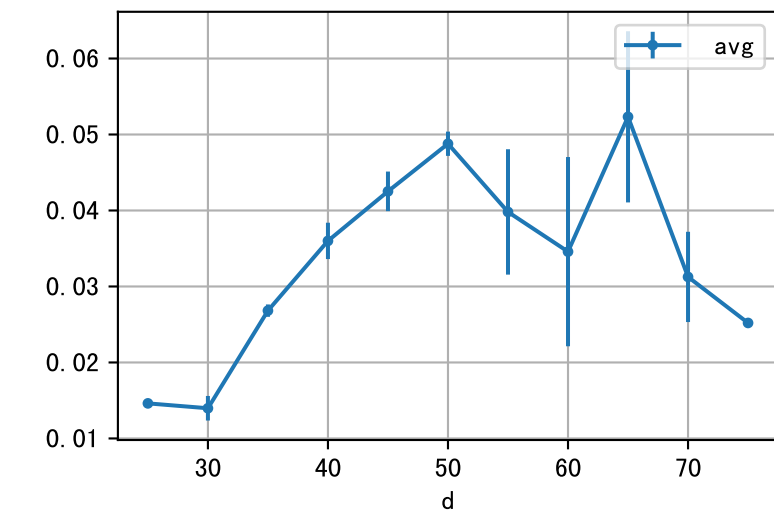
age=20



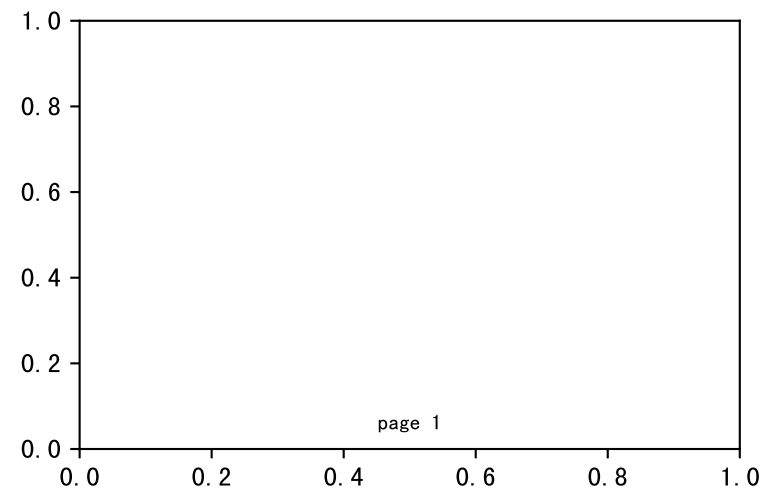
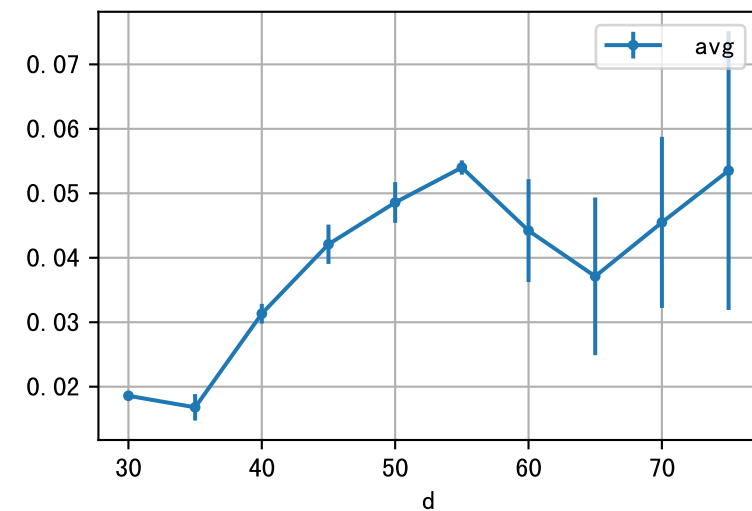
age=25



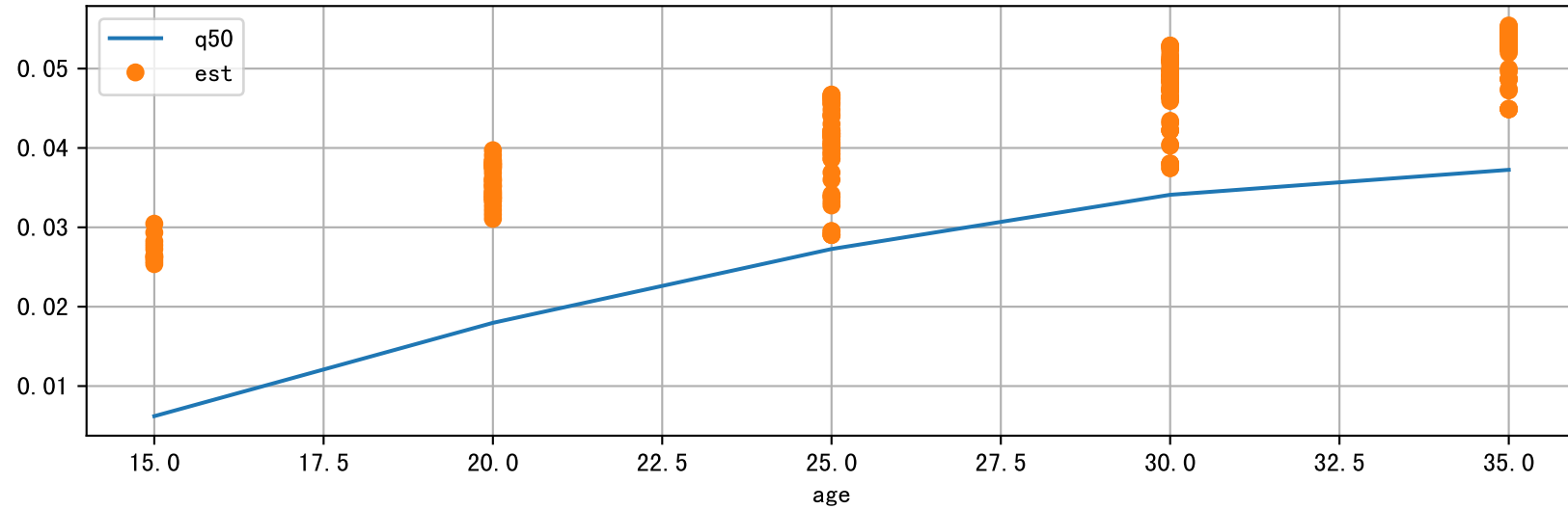
age=30



age=35



LfA: model est vs obs0v@Q50

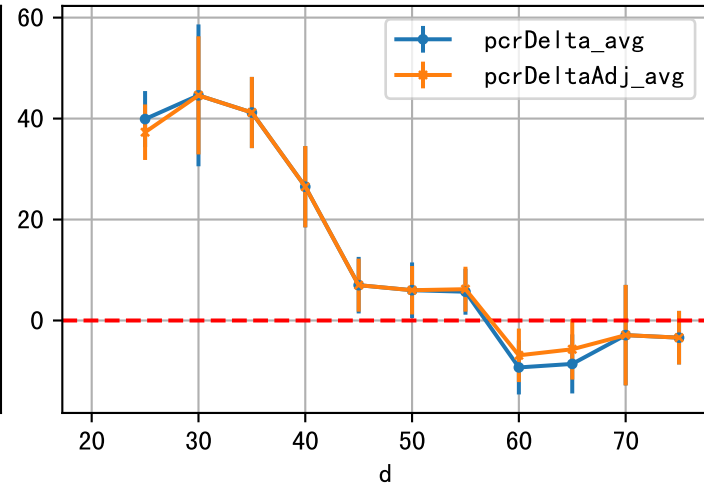
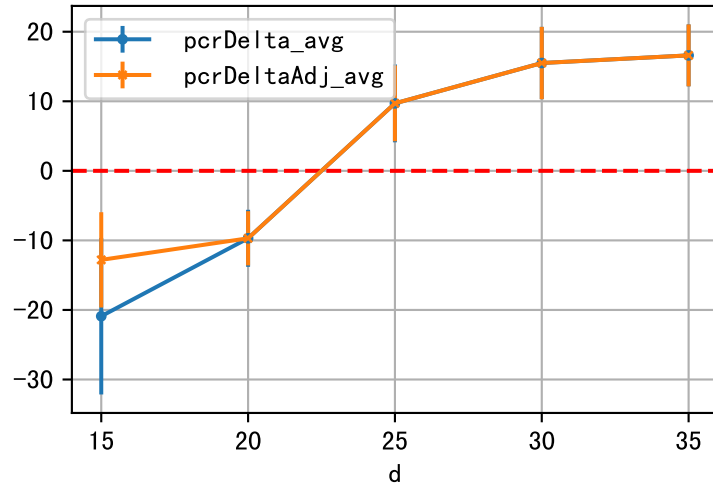


P9AE LfA: D_5d_LfA

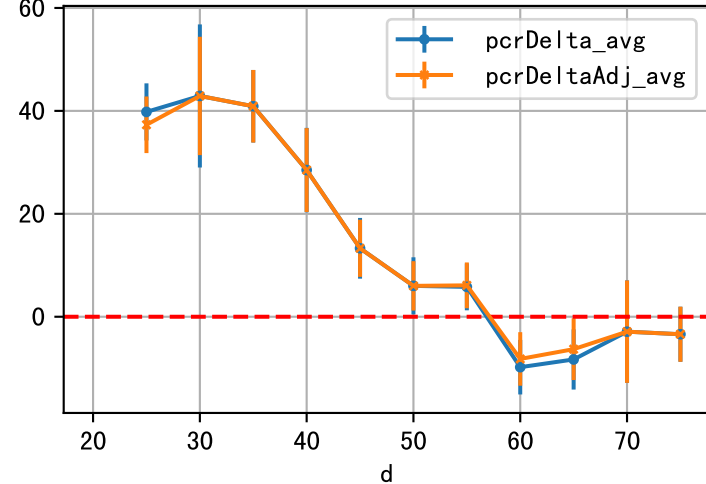
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD

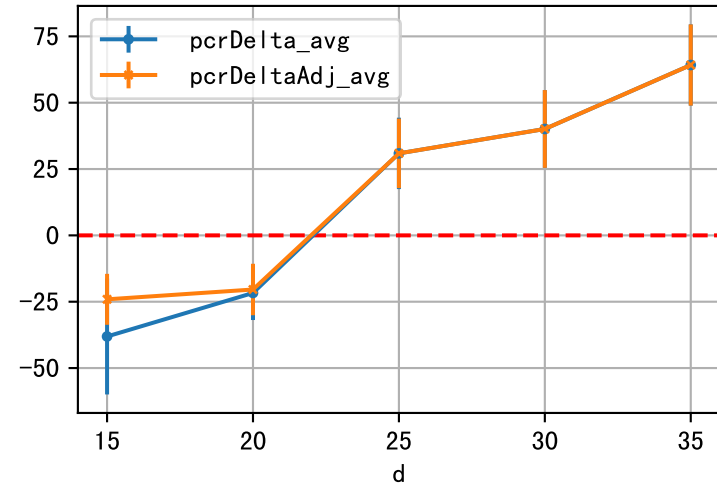


page 3

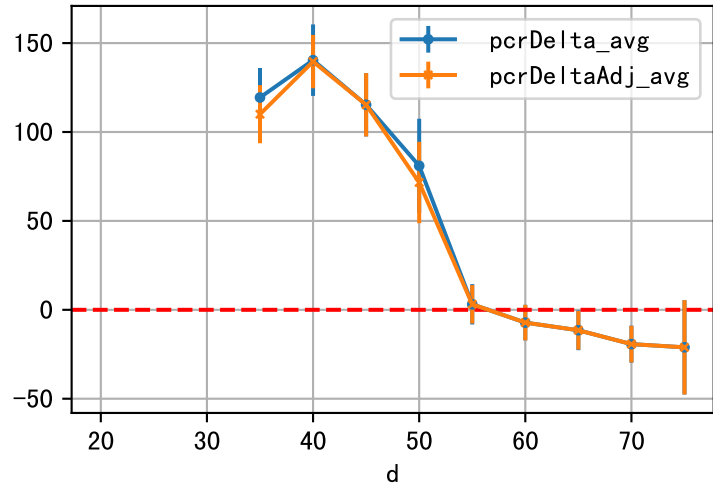


P9AE LfA: D_15d_LfA

DeltaTypeAbbr=GrpByAge

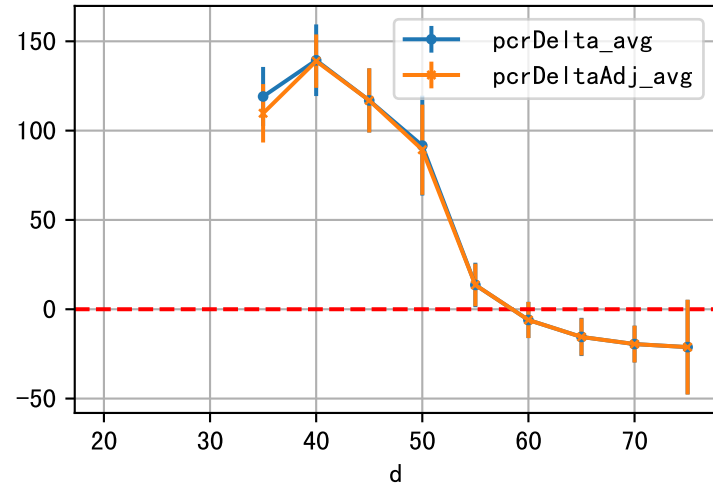


DeltaTypeAbbr=GrpByDay

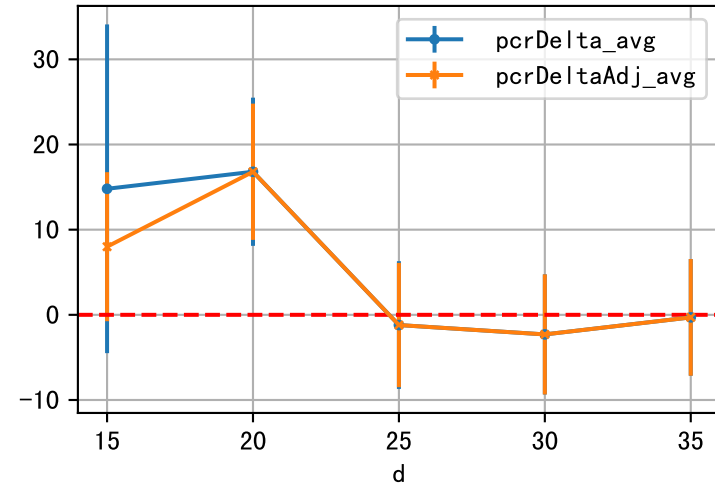


page 4

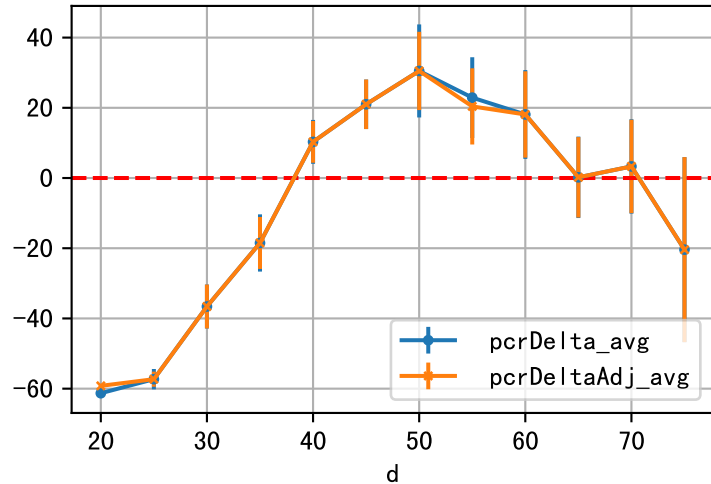
DeltaTypeAbbr=Wei AvgByD



DeltaTypeAbbr=GrpByAge

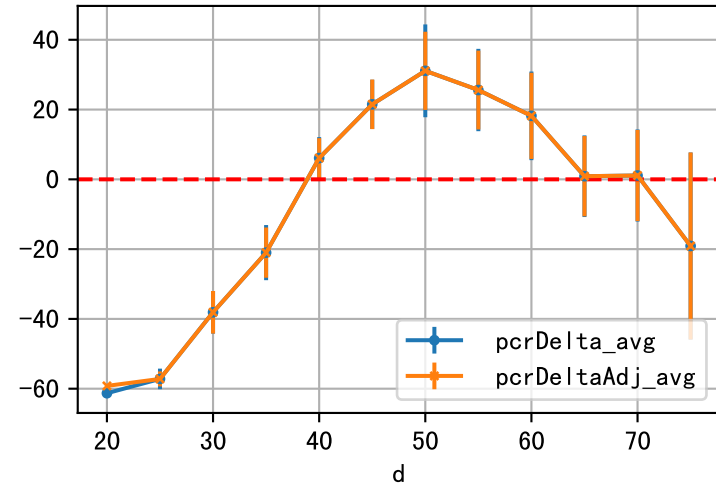


DeltaTypeAbbr=GrpByDay

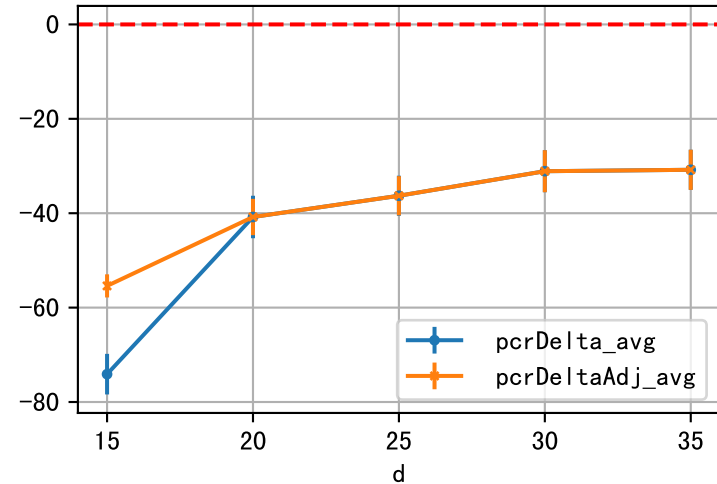


page 5

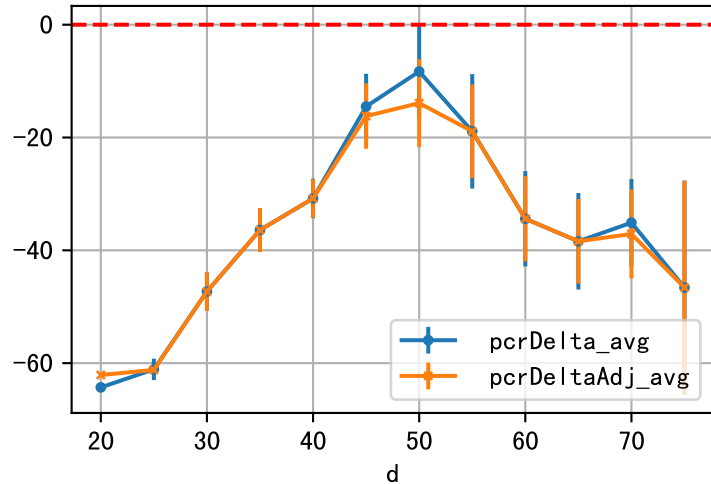
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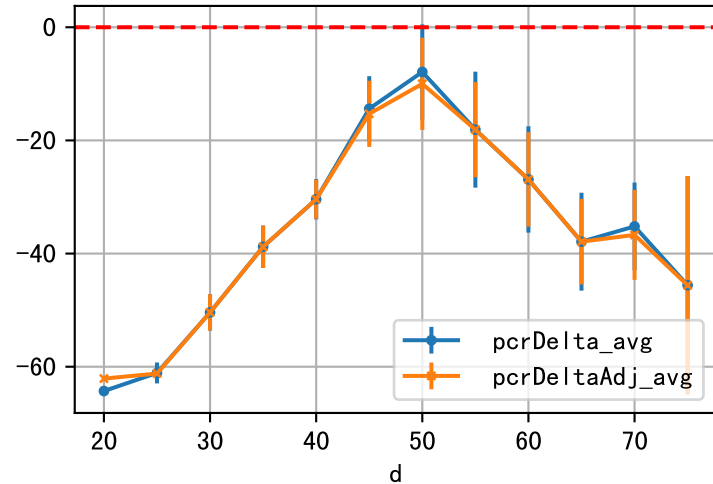
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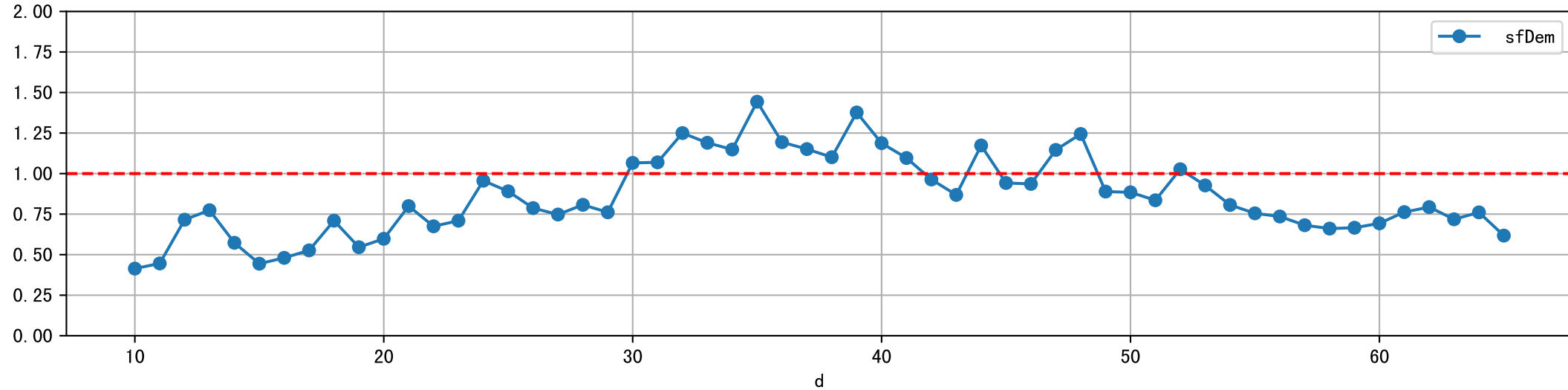
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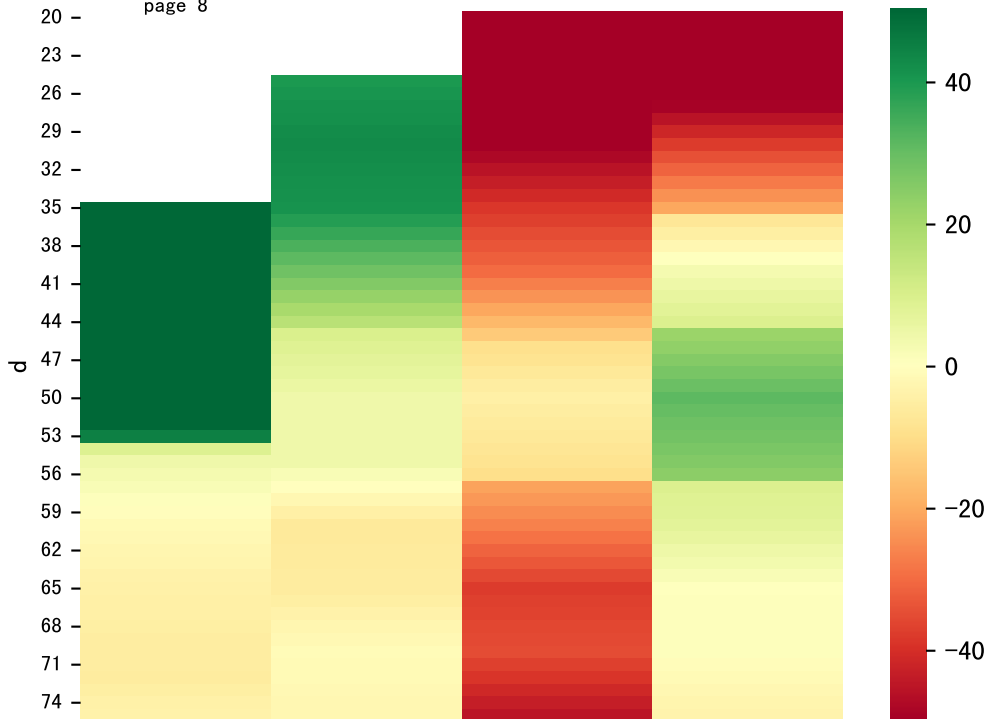


DeltaTypeAbbr=Wei i AvgByD



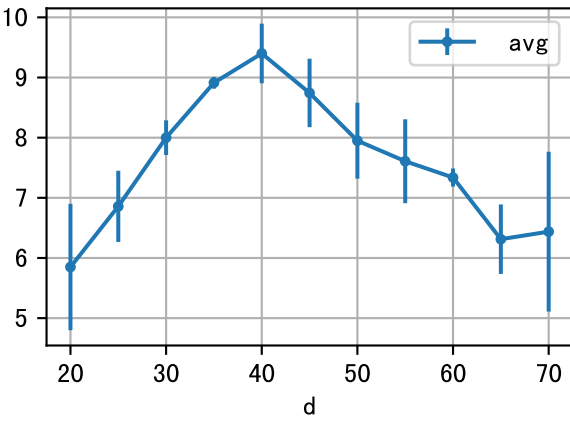
LfA: sfDem



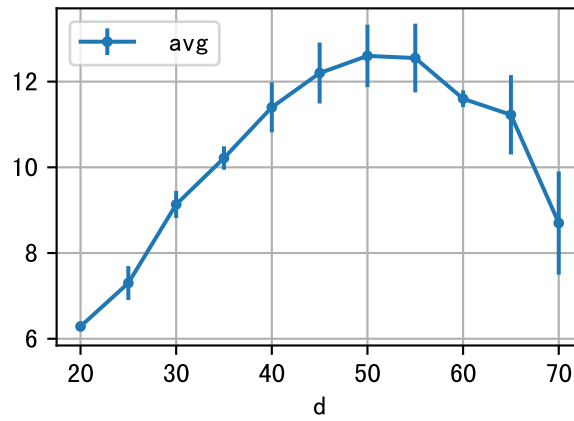


NdD: avg vs. d at each age group

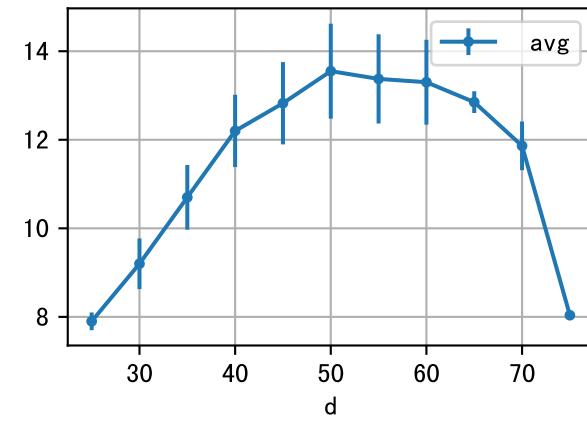
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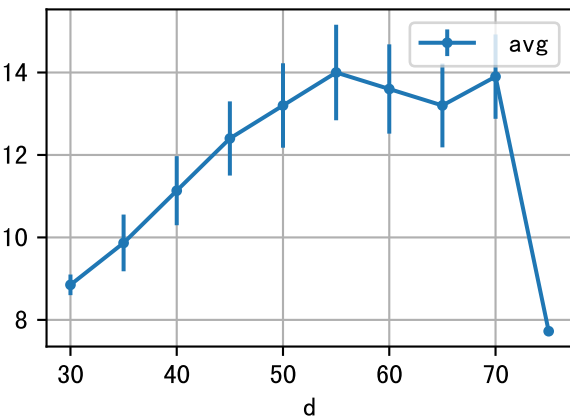
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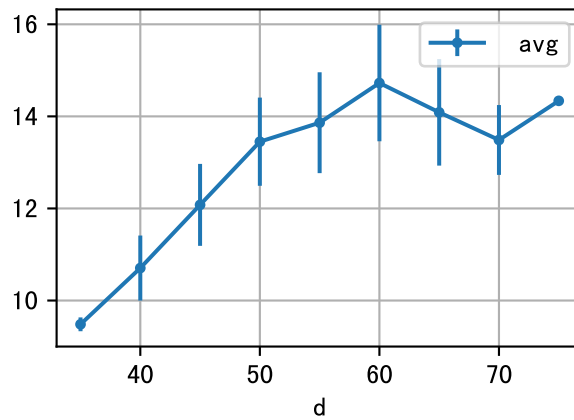
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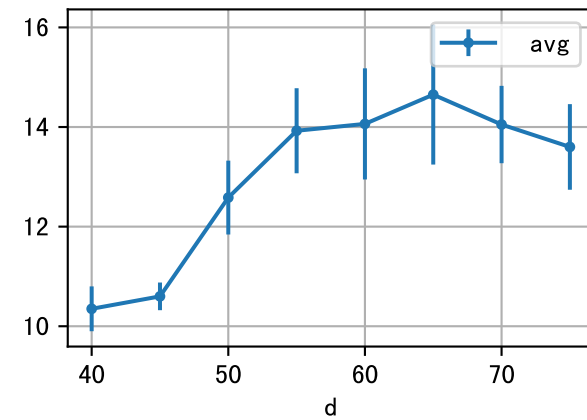
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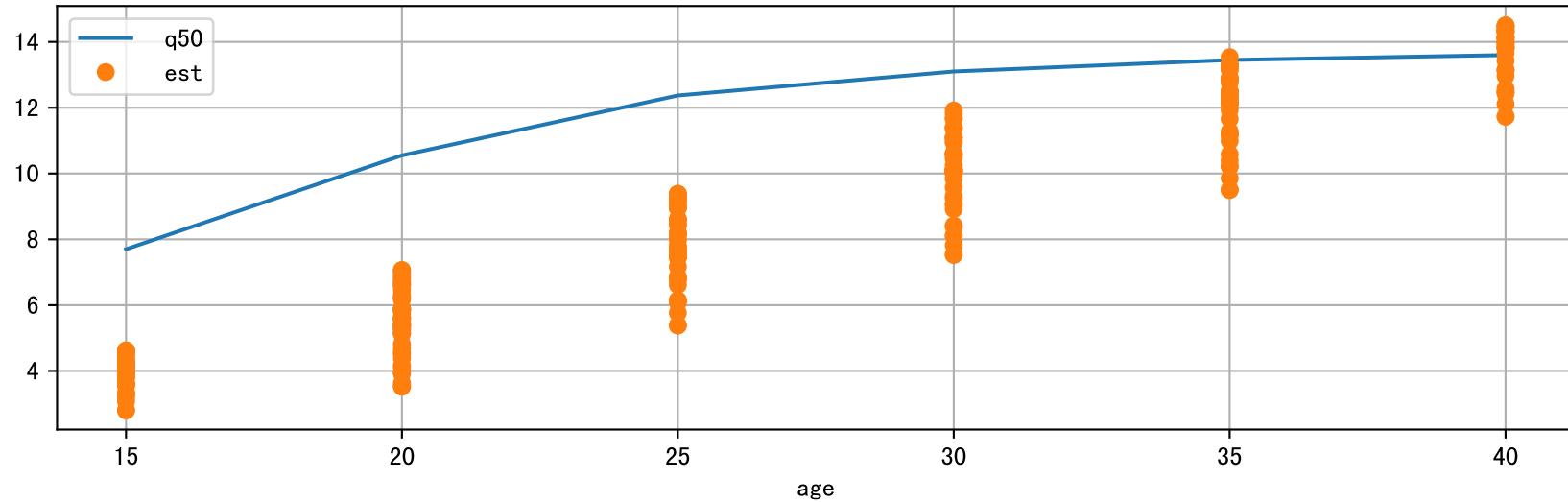
age=35



age=40

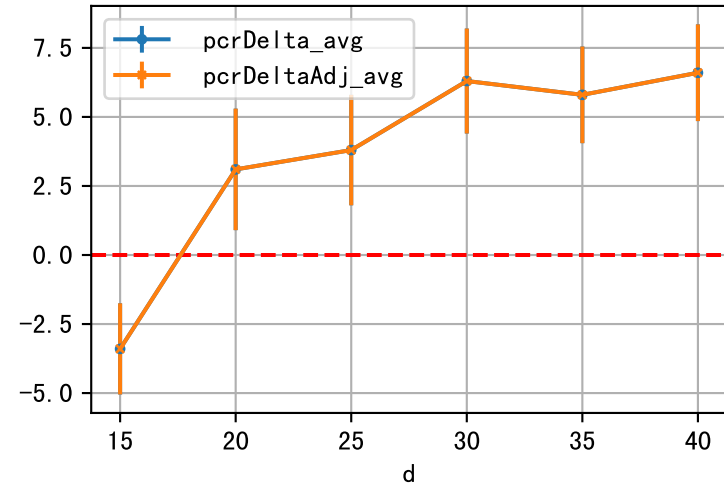


NdD: model est vs obs0v@Q50

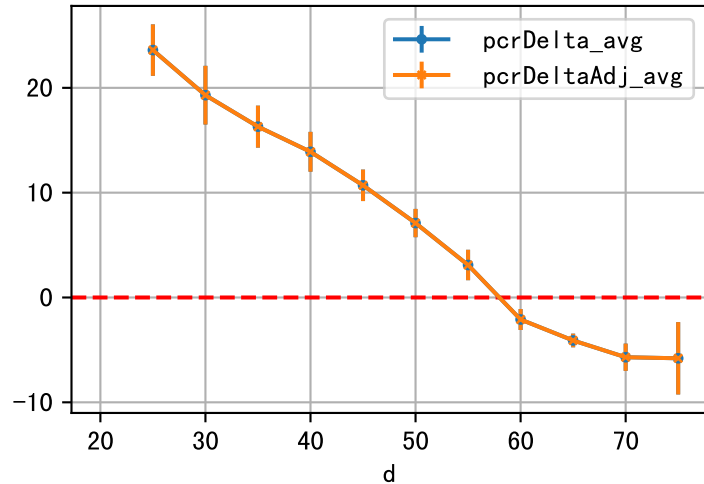


P9AE NdD: D_5d_NdD

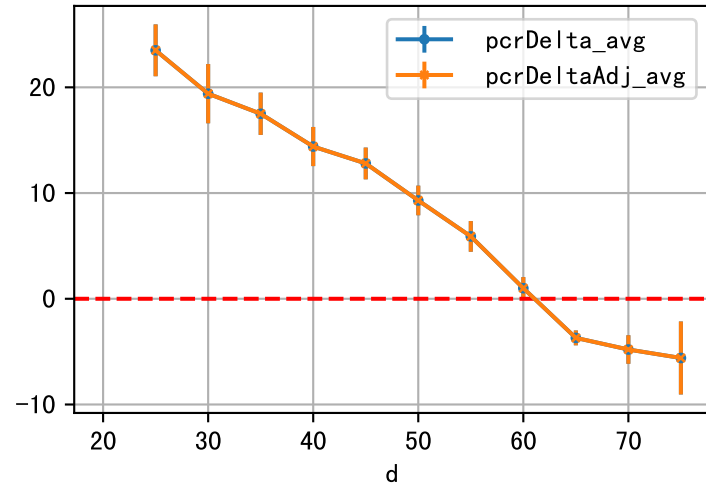
DeltaTypeAbbr=GrpByAge



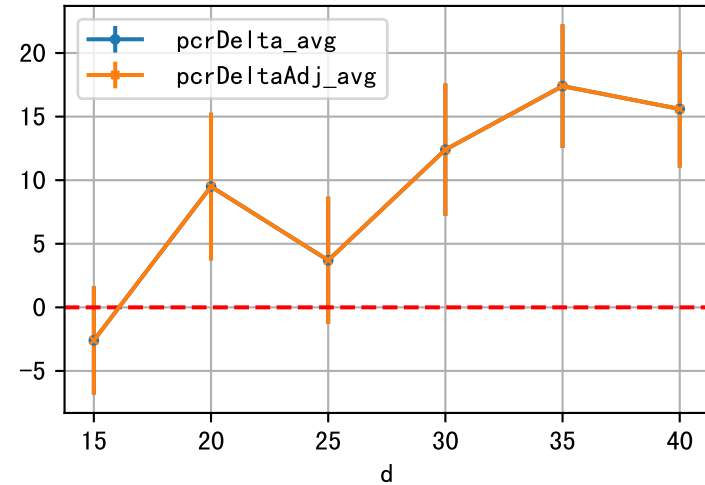
DeltaTypeAbbr=GrpByDay



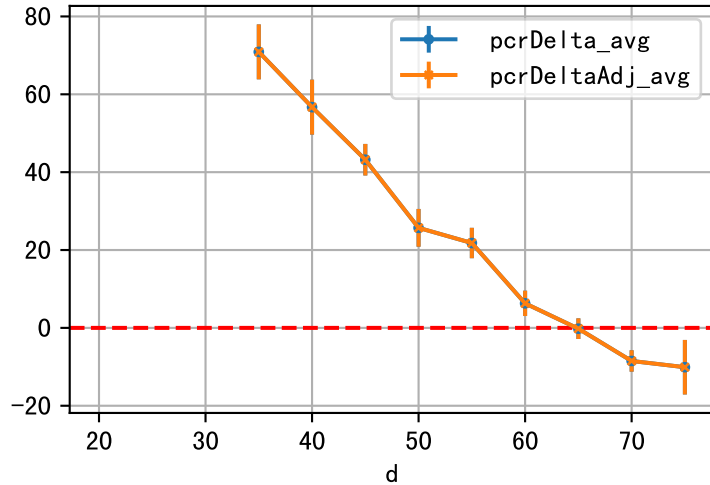
DeltaTypeAbbr=Wei AvgByD



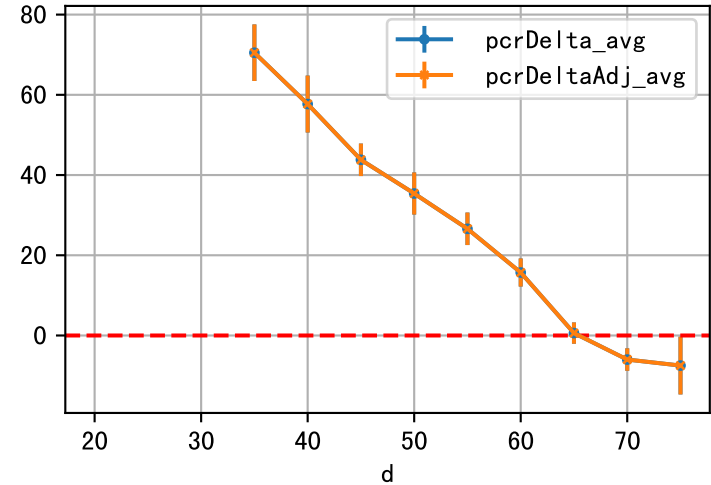
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



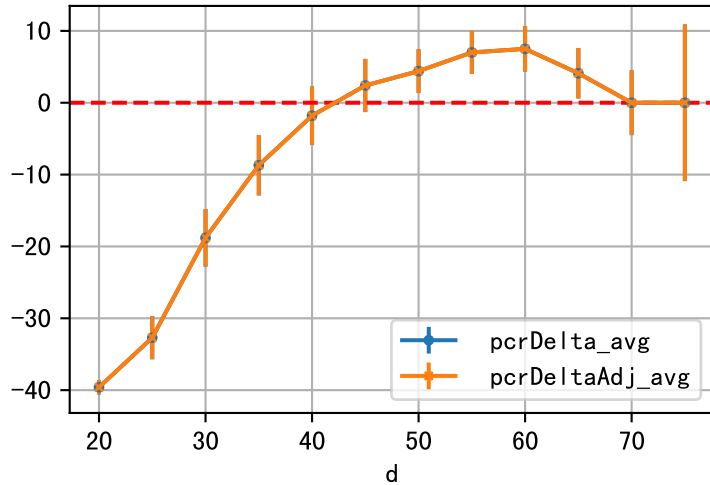
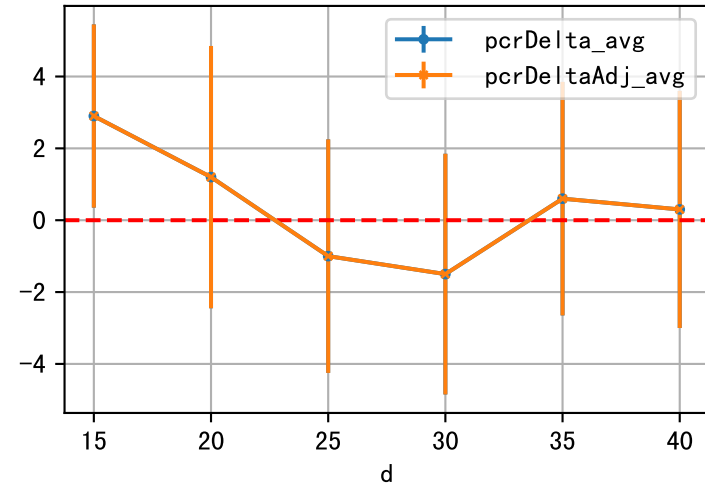
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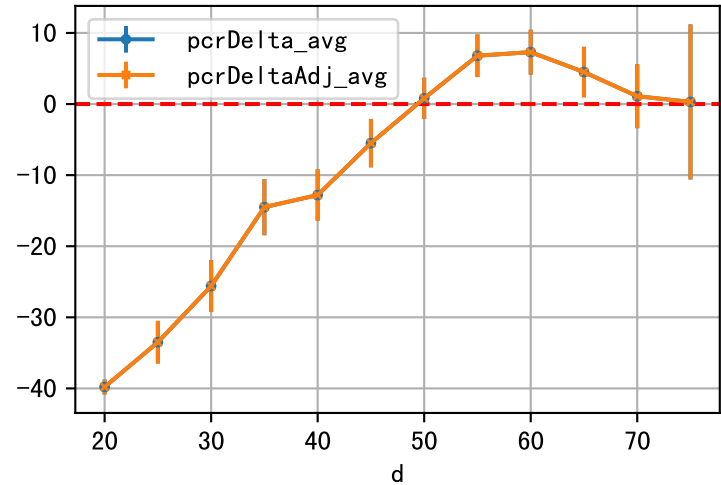
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

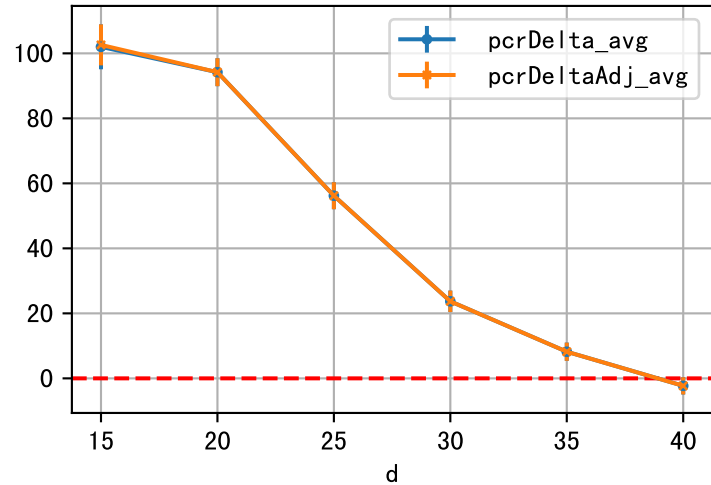
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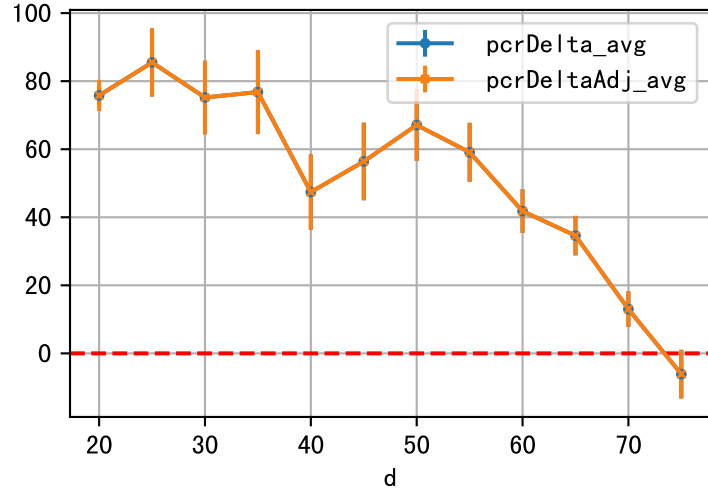
page 13



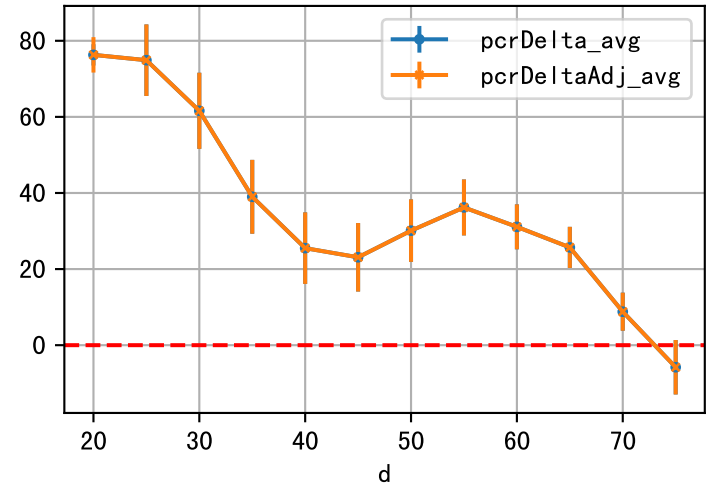
DeltaTypeAbbr=GrpByAge



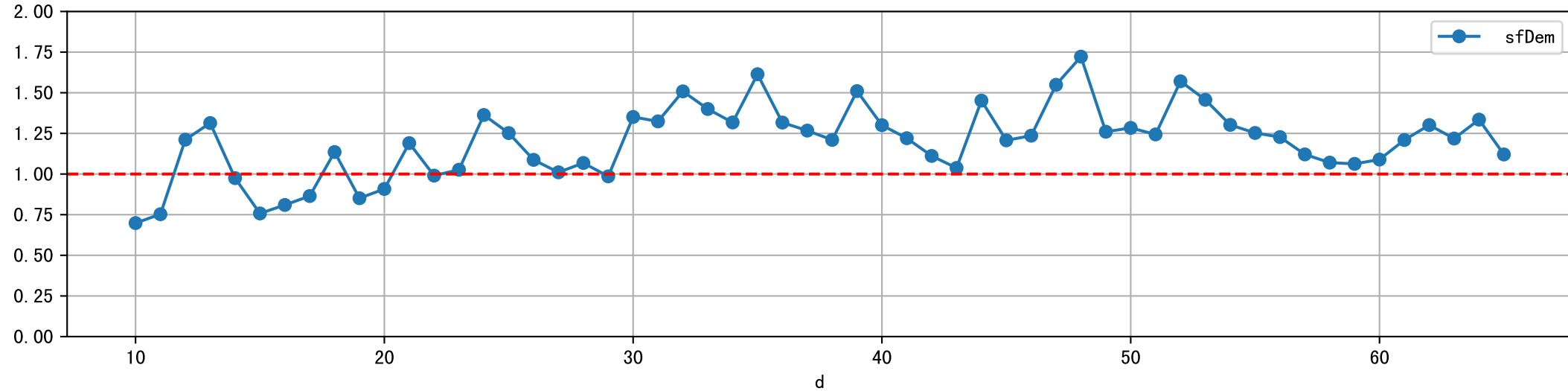
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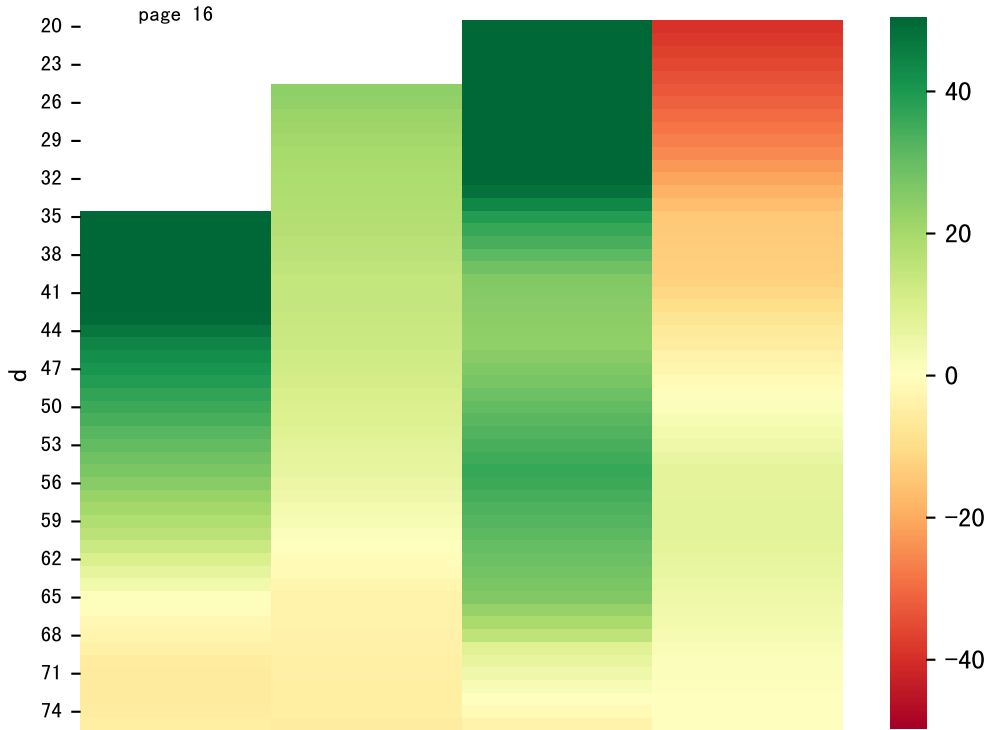


DeltaTypeAbbr=Wei AvgByD

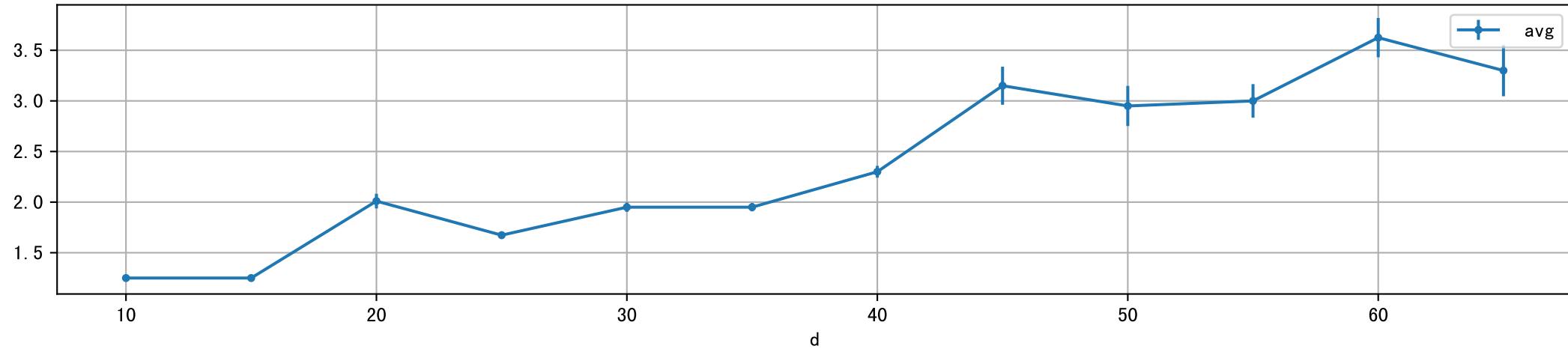


NdD: sfDem

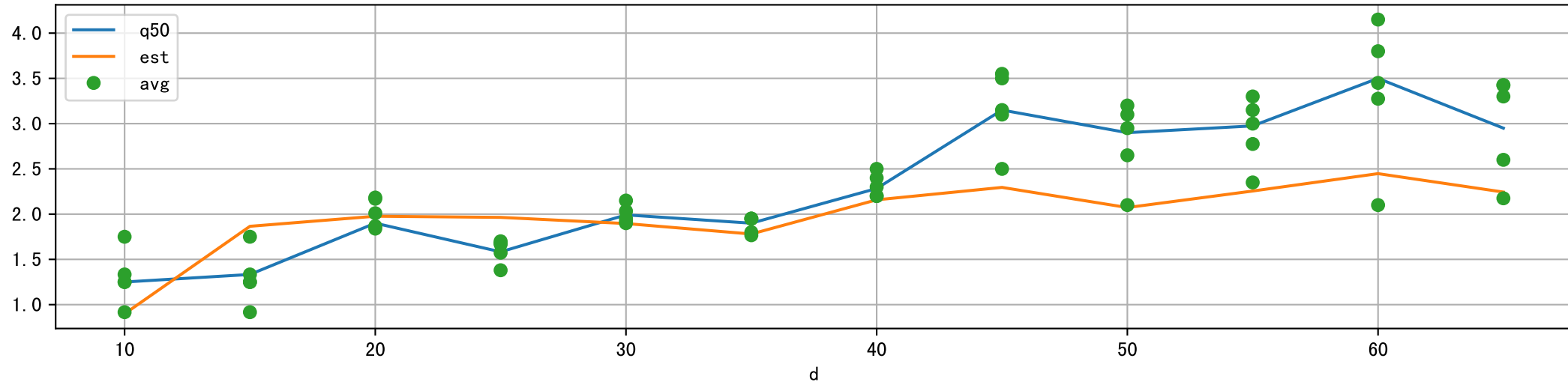




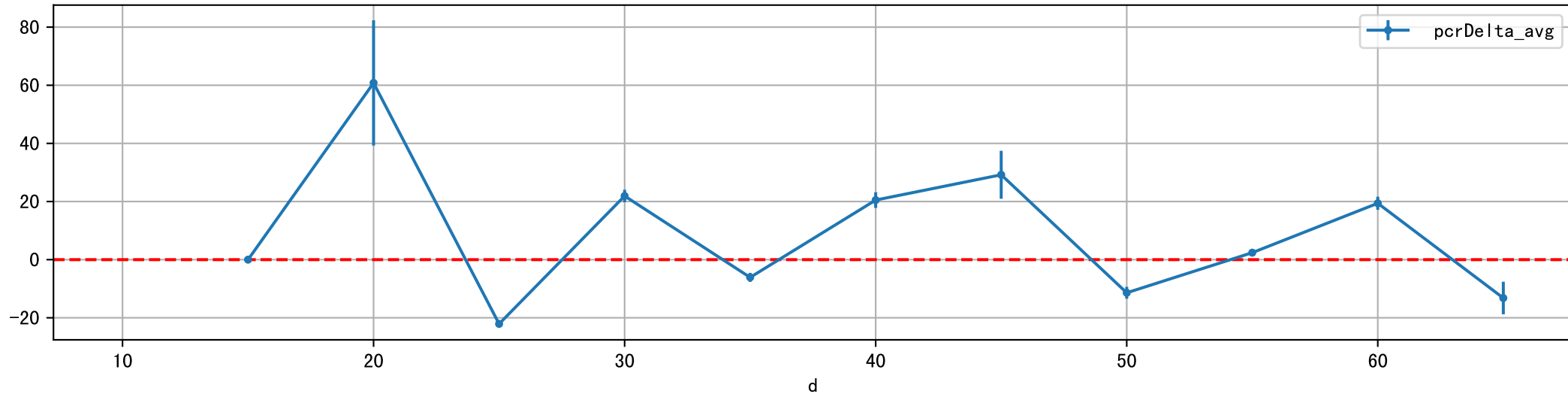
dStH: avg vs. d



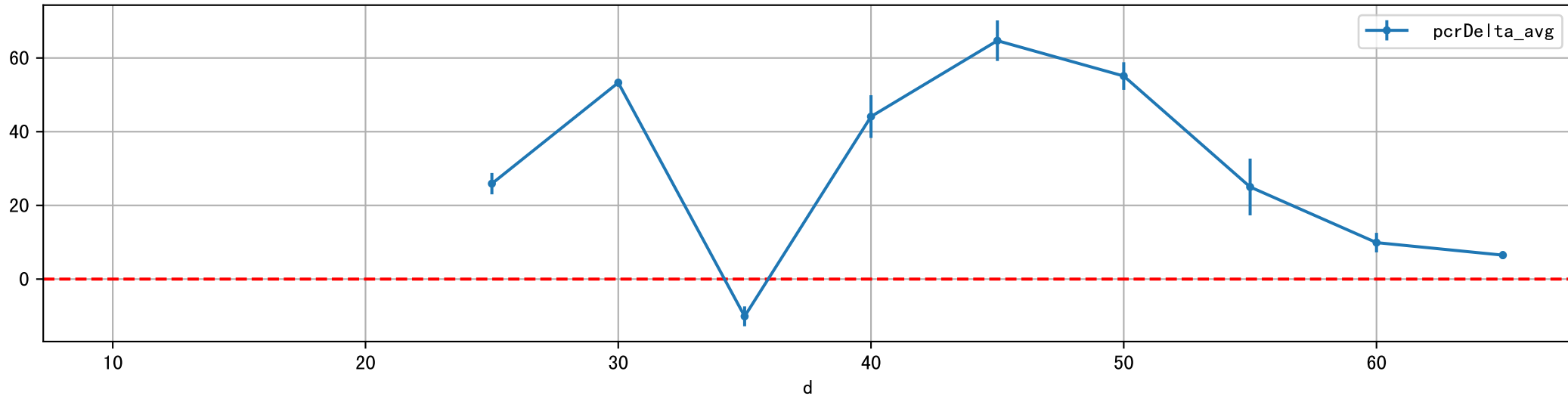
dStH: obsAvg vs obs0v@Q50



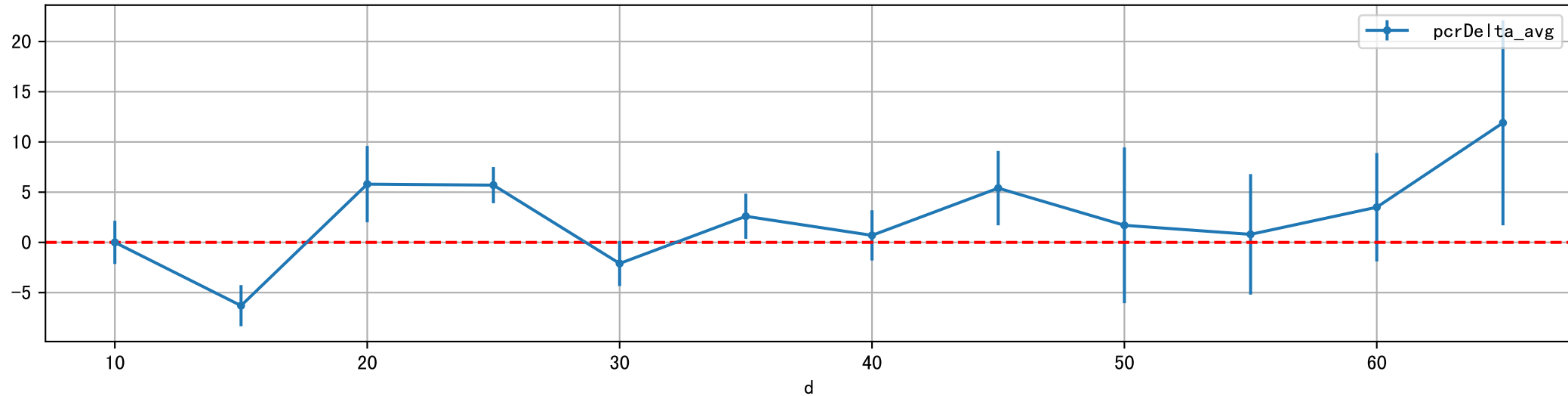
dStH: D_5d_StH



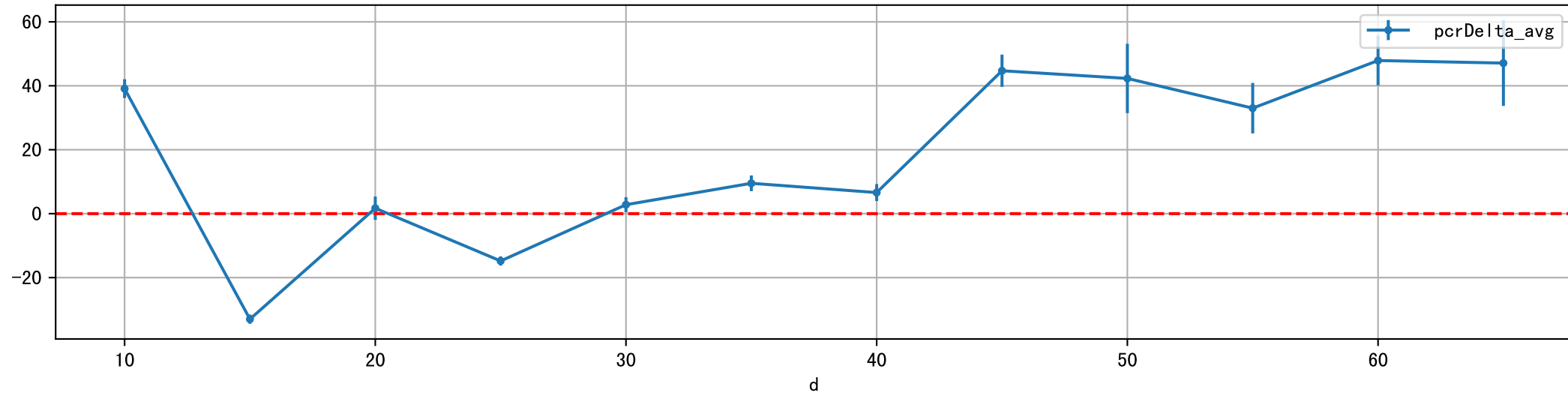
dStH: D_15d_StH



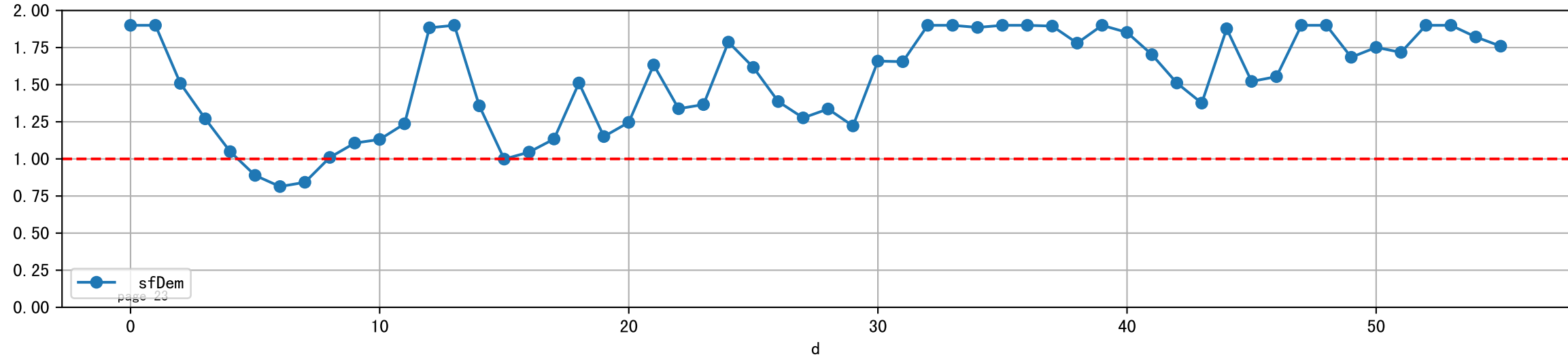
dStH: D_Q50_StH

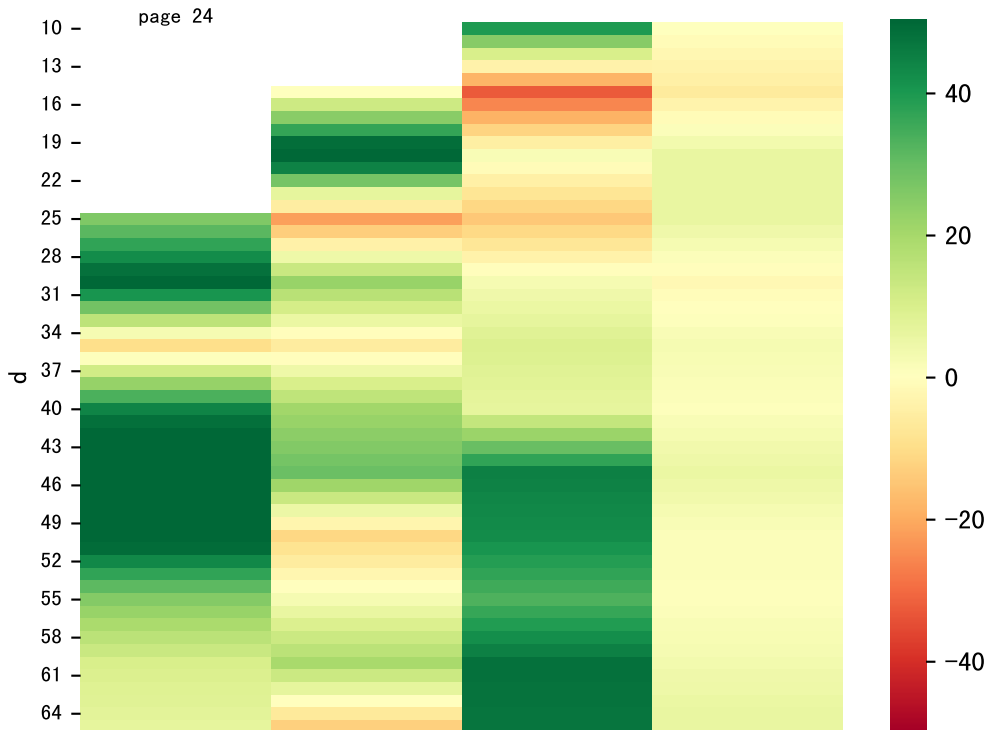


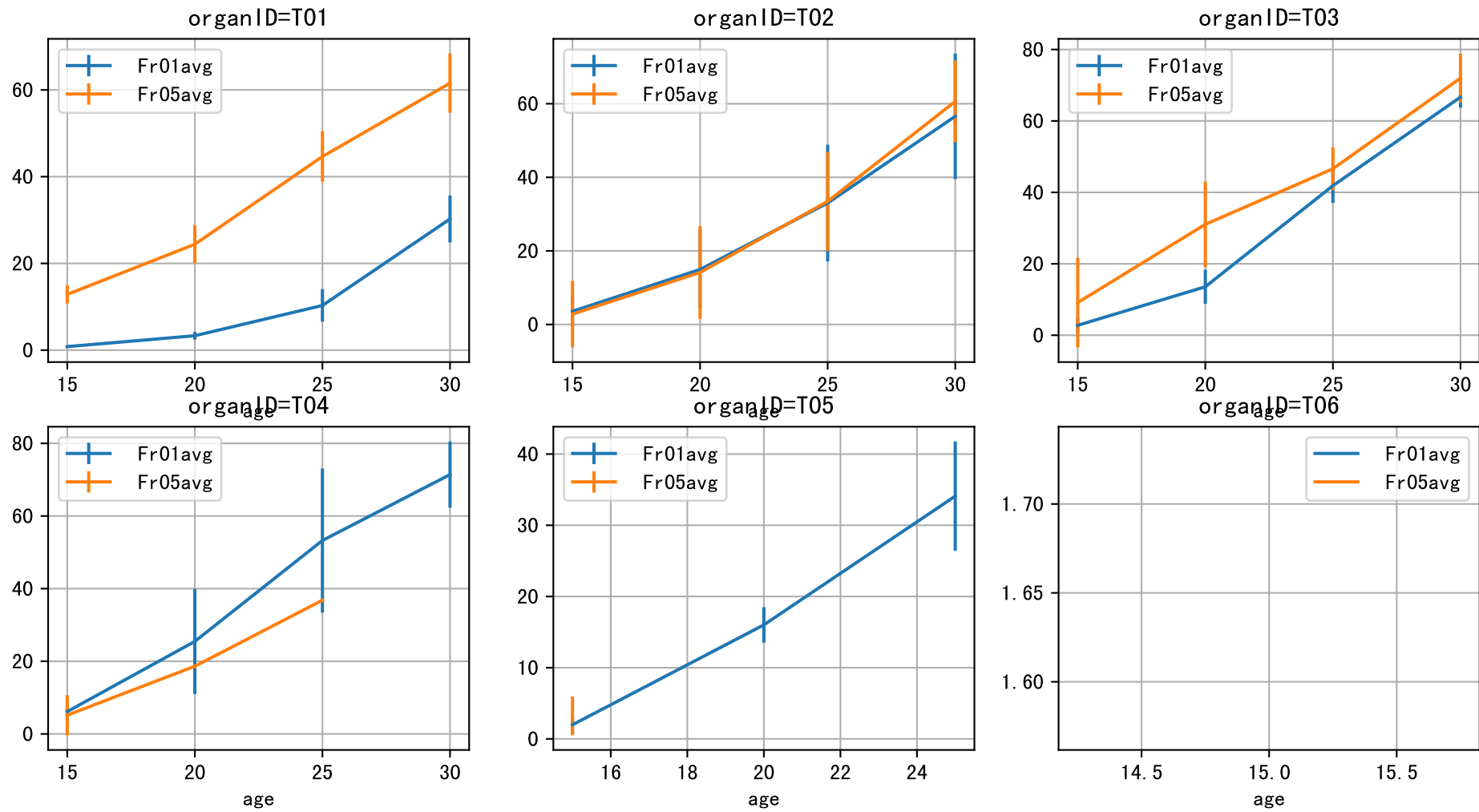
dStH: D_Est_StH



dStH: sfDem

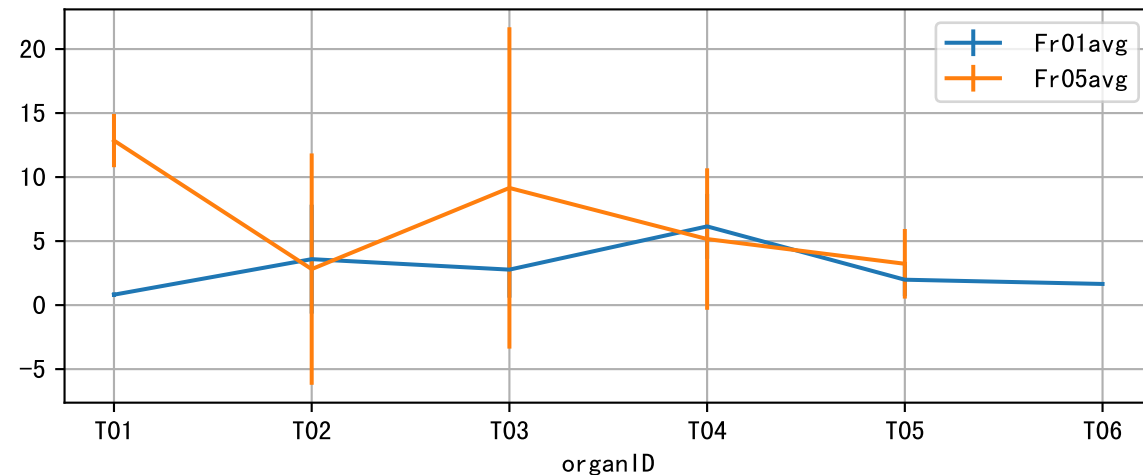




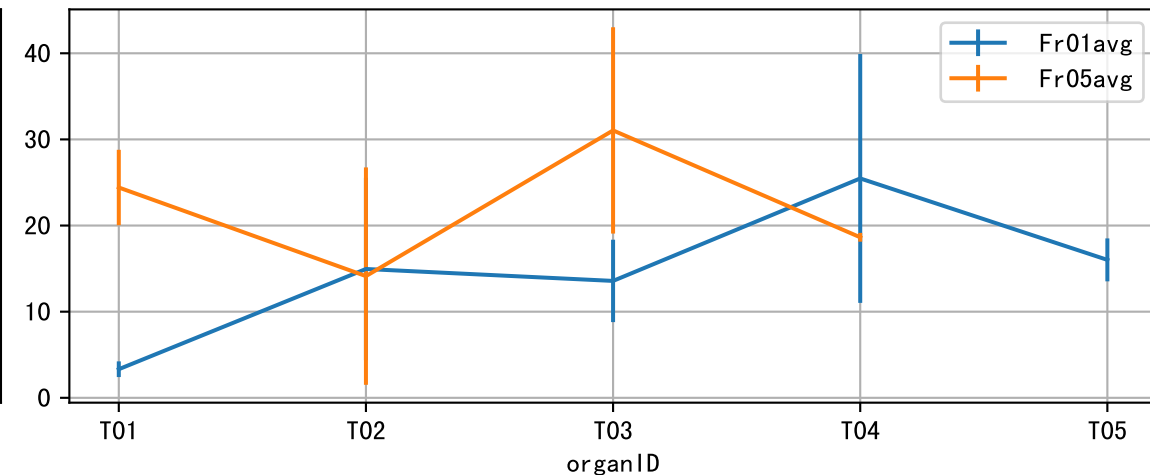


FrV trend at each age

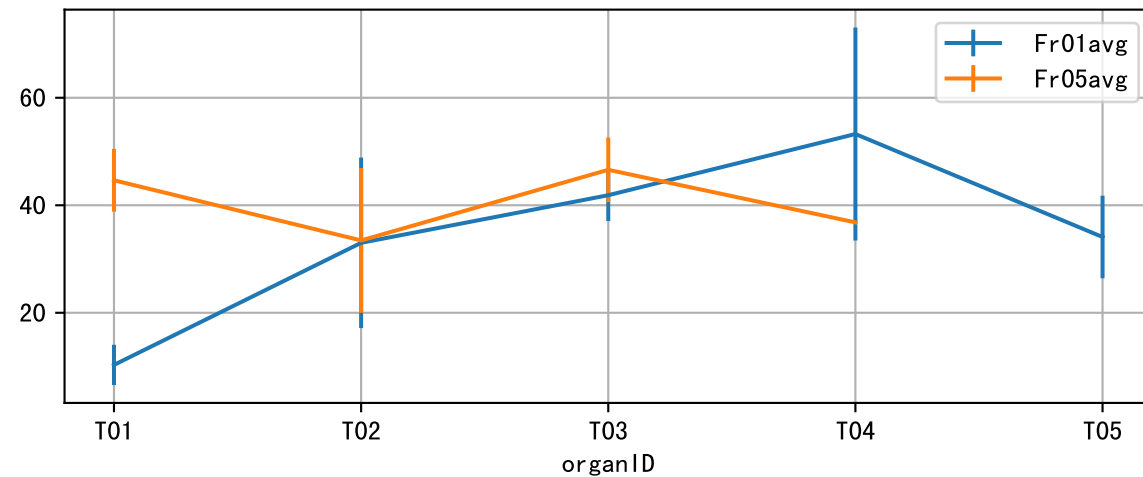
age=15



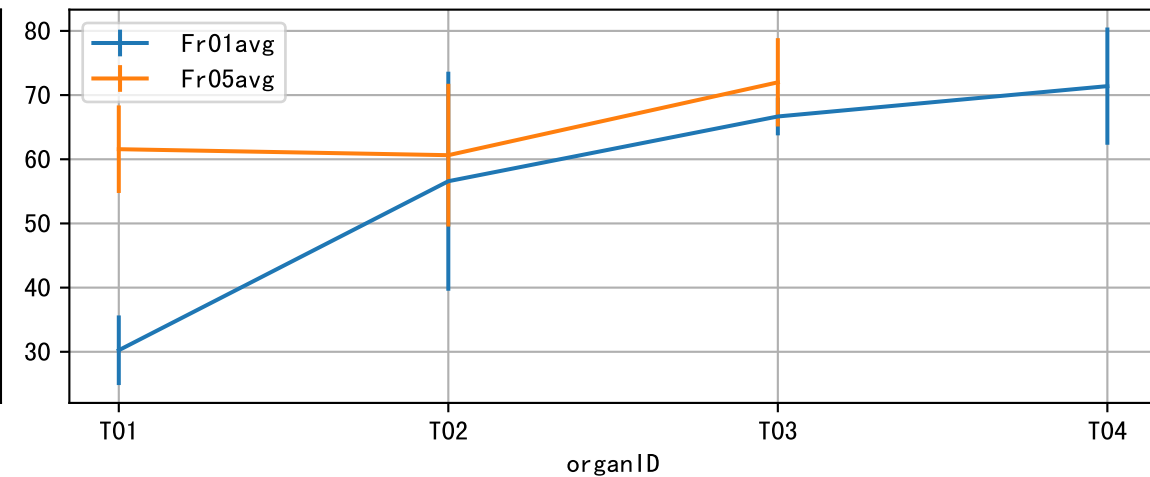
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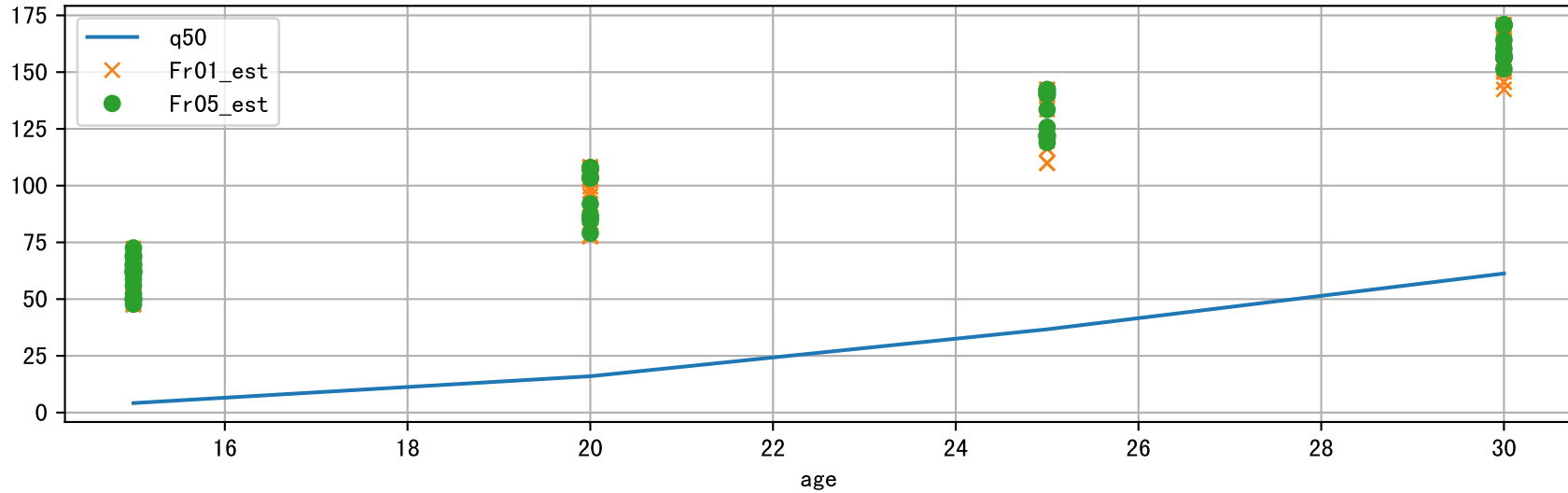
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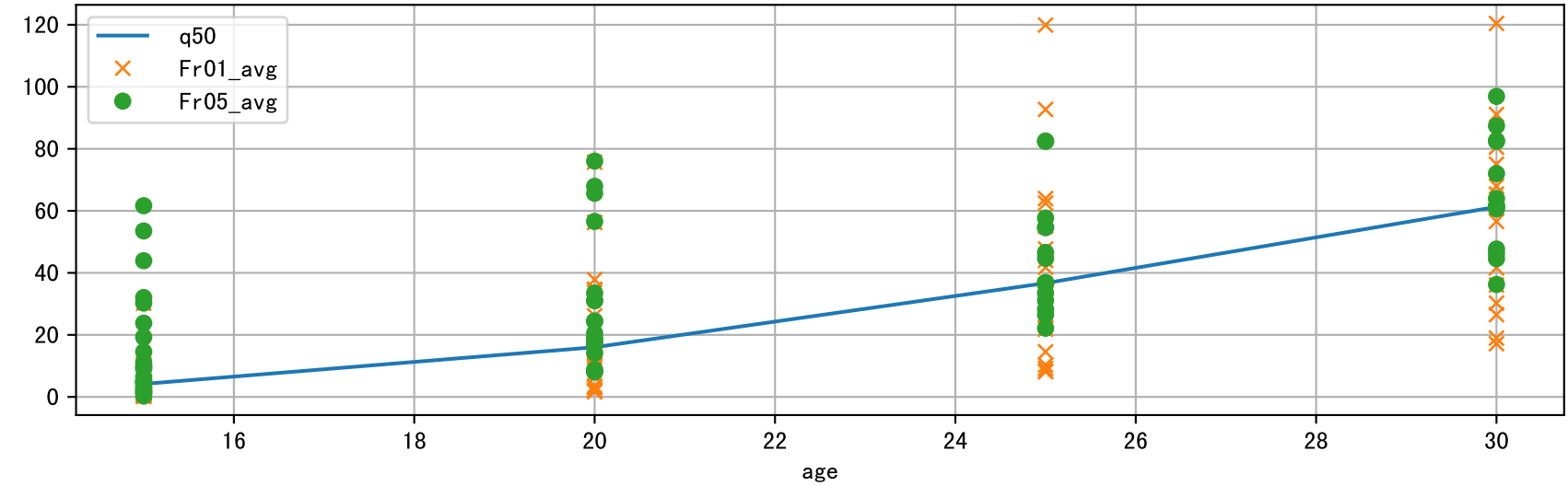
age=30

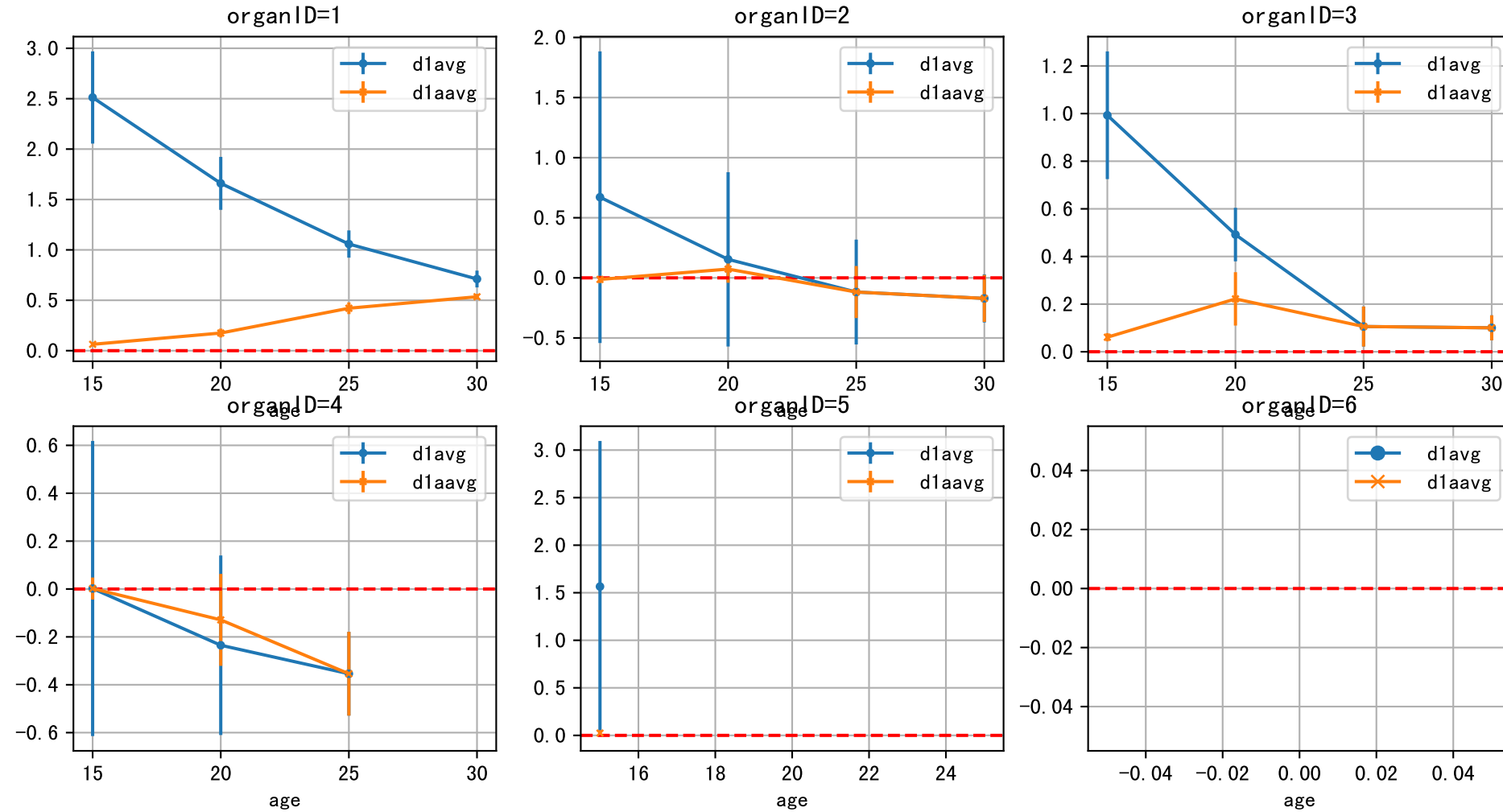


FrV: model Est vs obsFrV at Q90

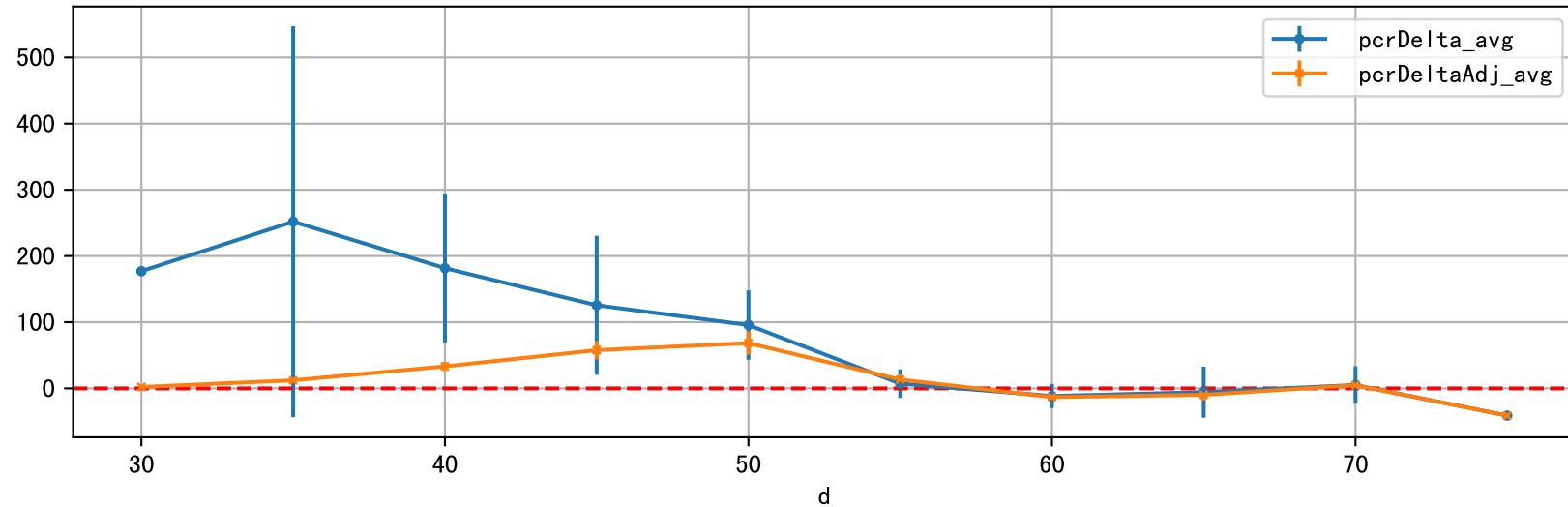


FrV: obsFrV vs obsFrV@Q90

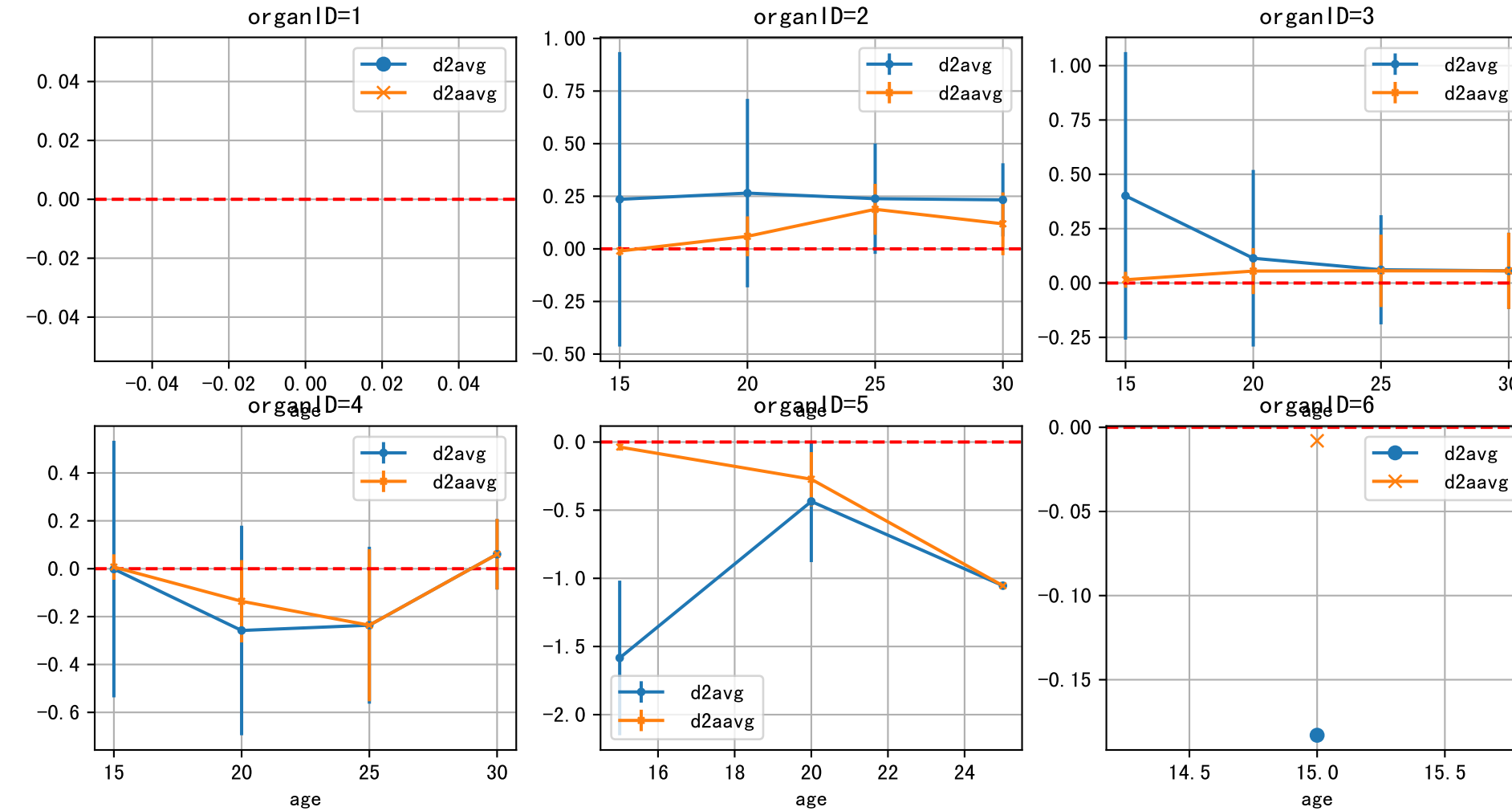


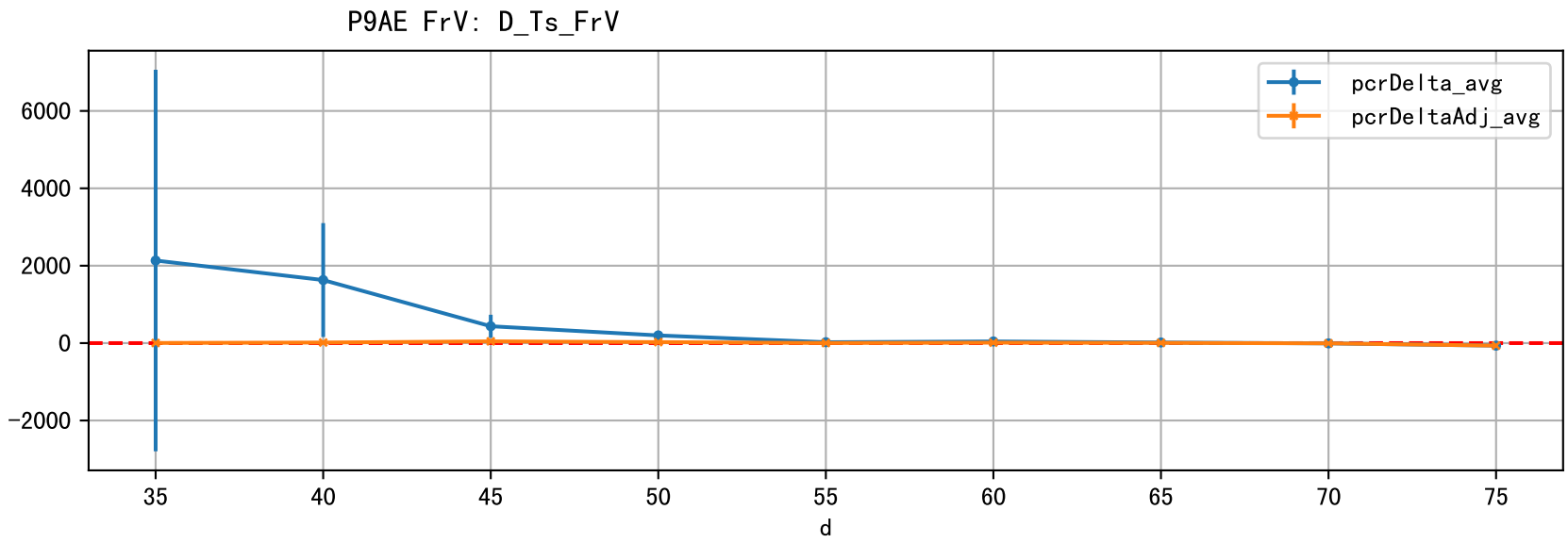


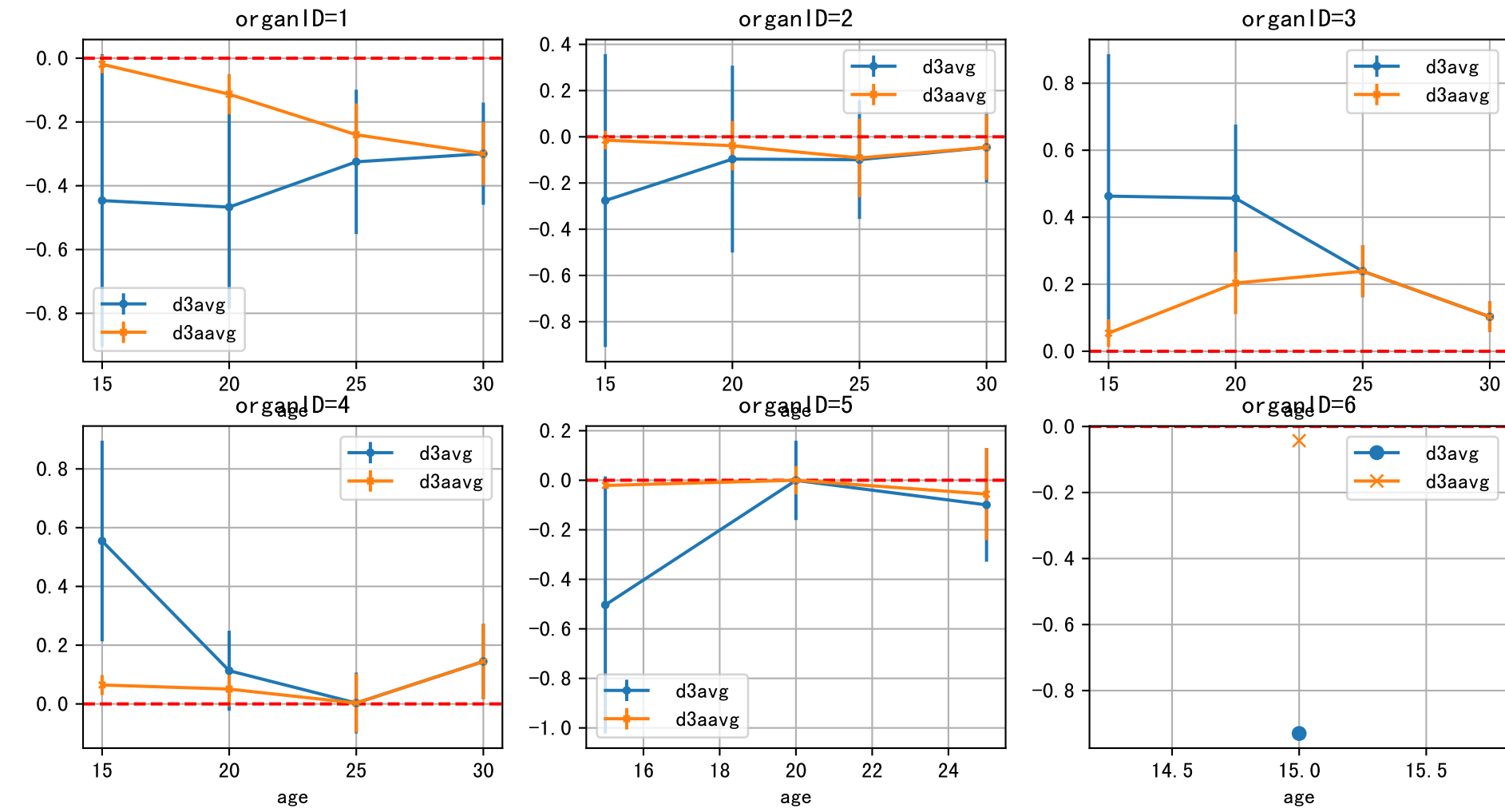
P9AE FrV: D_Fr1_FrV



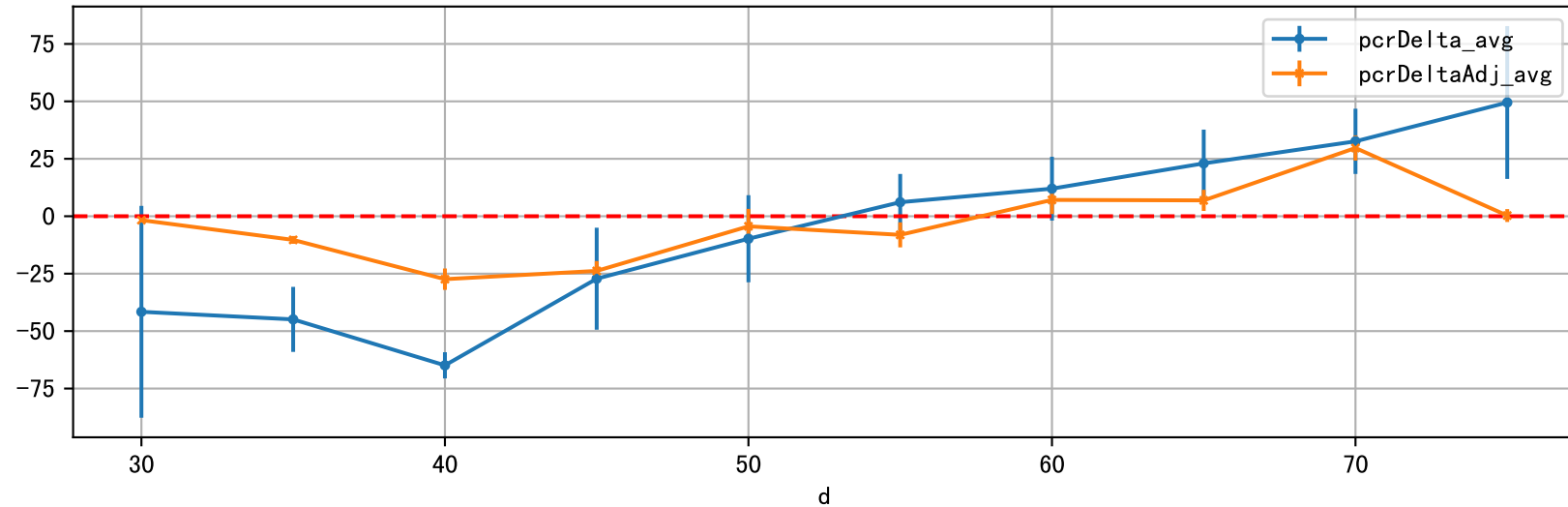
FrV: D_Ts_FrV

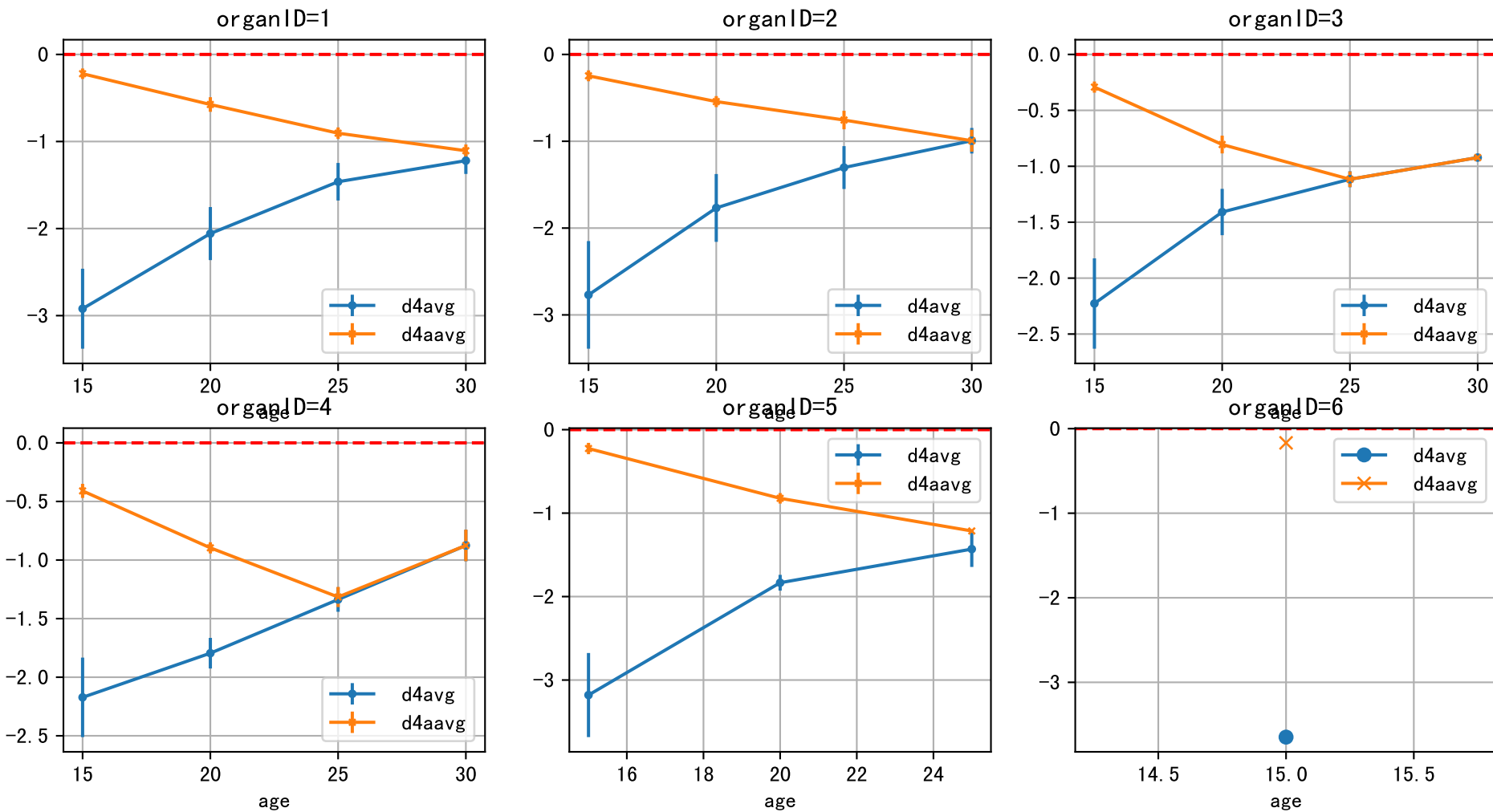


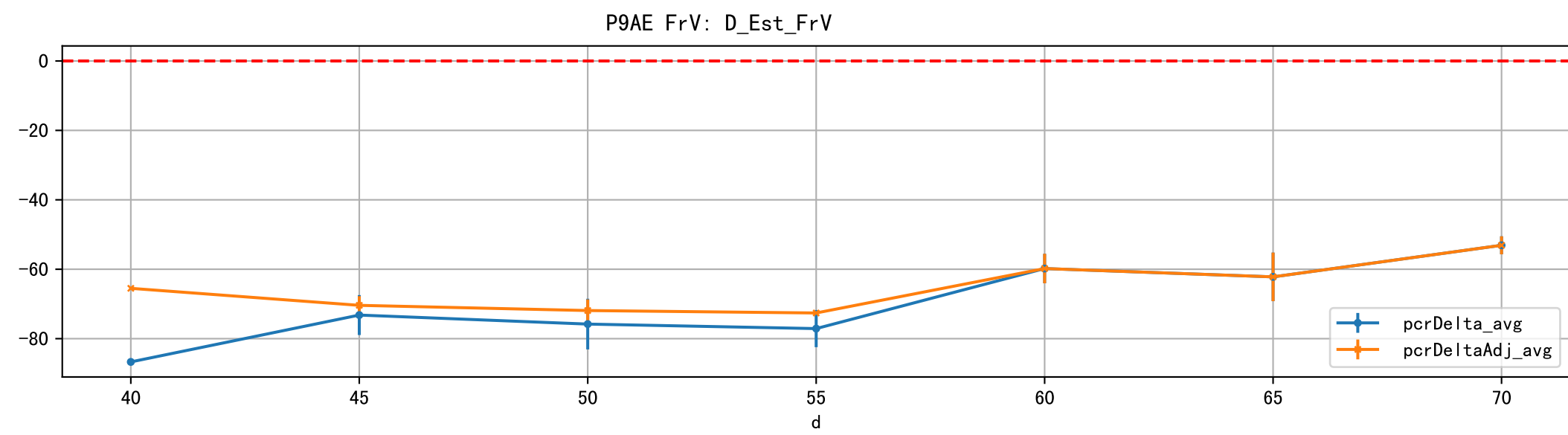




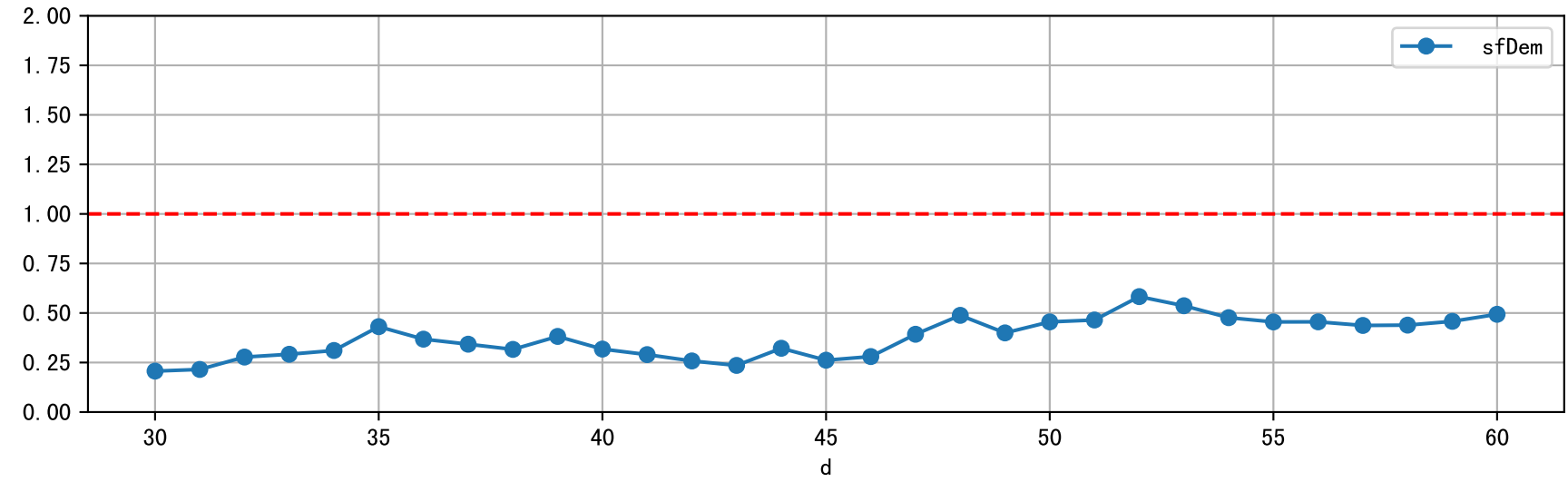
P9AE FrV: D_Q50_FrV







P9AE FrV: sfDem



Age	Number of people
30-32	10
32-34	15
34-36	20
36-38	25
38-40	30
40-42	35
42-44	40
44-46	45
46-48	50
48-50	55
50-52	60
52-54	65
54-56	70
56-58	75
58-60	80
60-62	85
62-64	90
64-66	95
66-68	100
68-70	100
70-72	100
72-74	100

