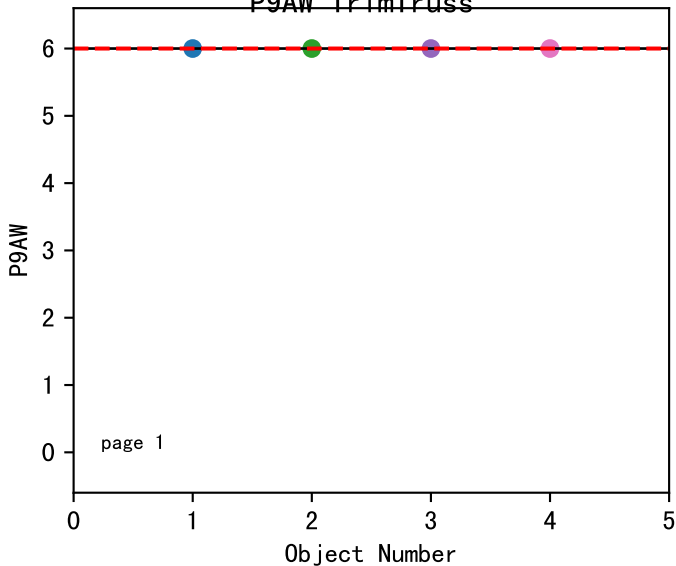


Phenotype Data Analysis Plots
PhenoData day range = 10 – 74
Analysis cutoff day = 74
NC11 P9
2025-06-13 (Day 74)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

P9AW TrimTruss



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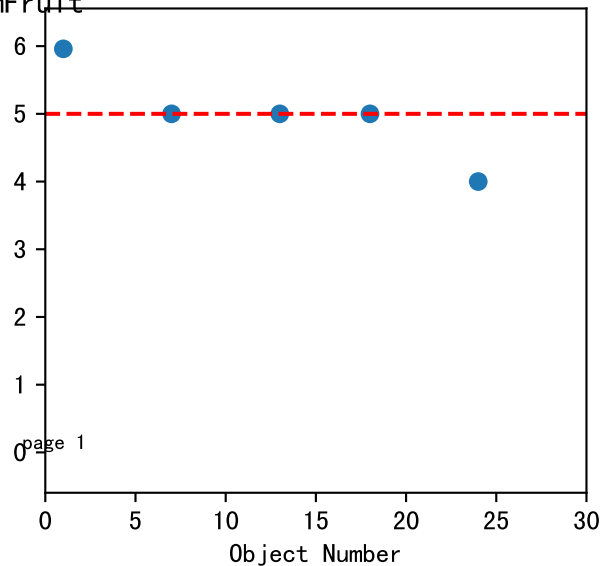
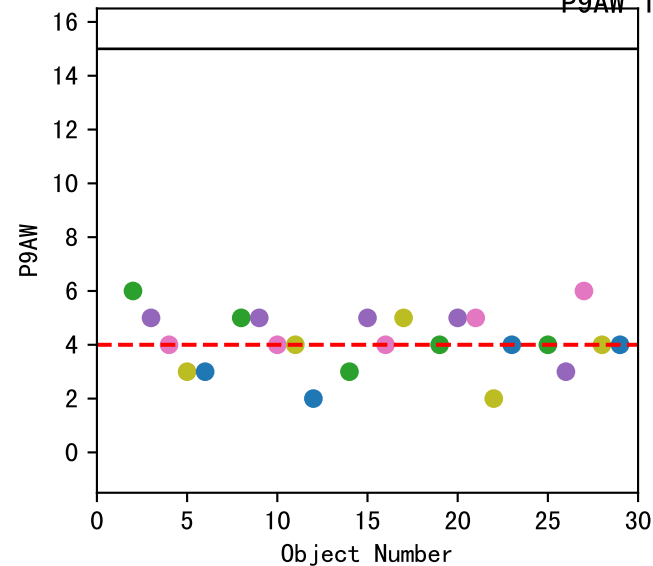
FruitNumAvgPerTruss (Def=15 Set=4)

avg1=4.0~27% avg2=na

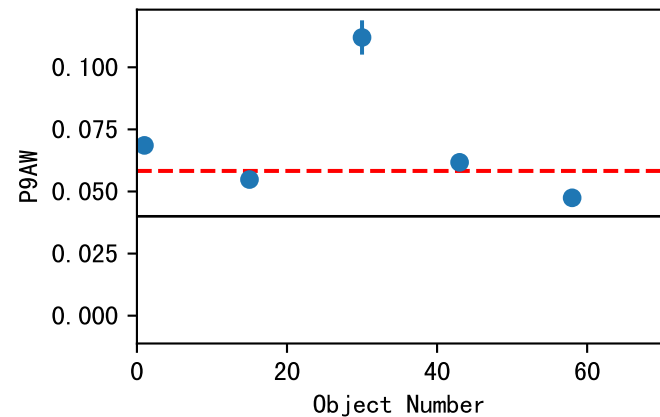
P9AW TrimFruit

FruitNumMaxPerTruss (Def=na Set=5)

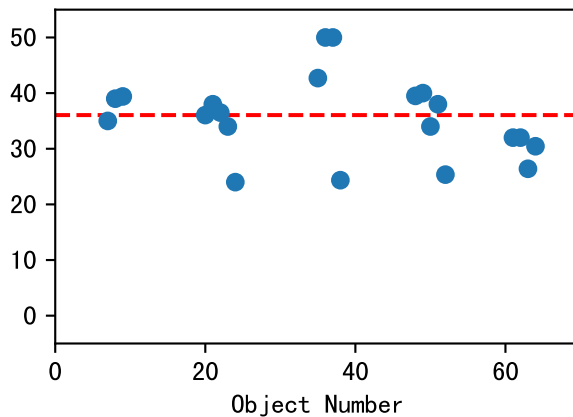
avg1=5.0~0% avg2=na



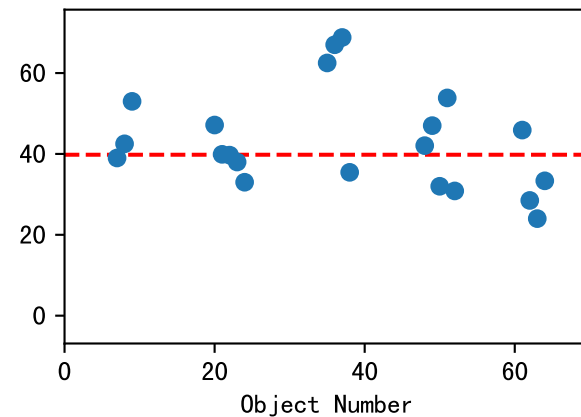
LfA_Q90AbsY (Def=0.04 Set=0.04)
avg1=0.06~16% avg2=na



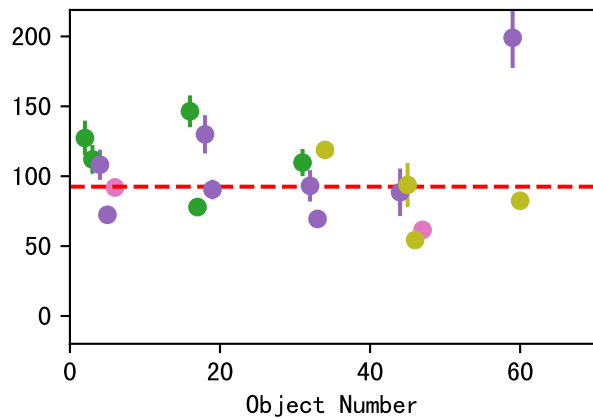
LfL_avgAbsY (Def=na Set=36.05)
avg1=36.05~28% avg2=na



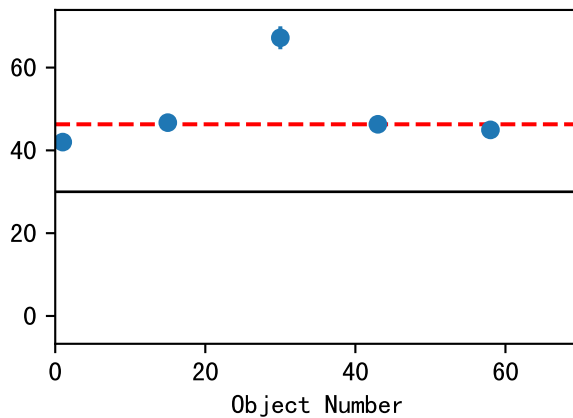
LfW_avgAbsY (Def=na Set=39.8)
avg1=39.8~28% avg2=na



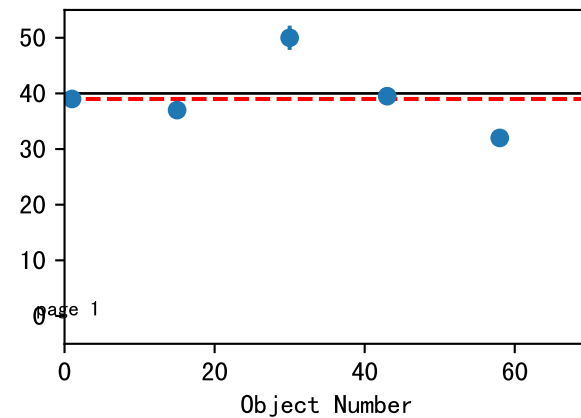
FrV_avgAbsY (Def=na Set=92.51)
avg1=92.51~27% avg2=na



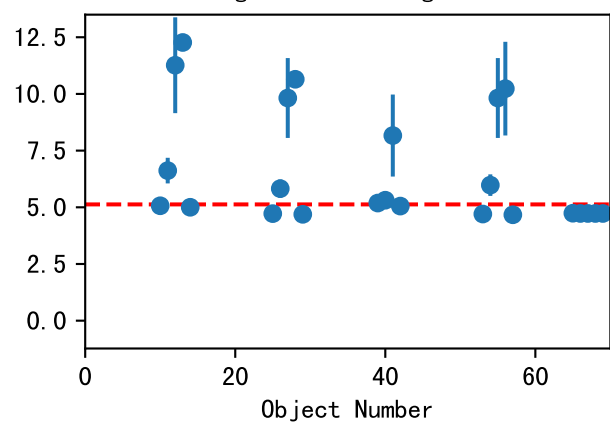
LfW_Q90AbsY (Def=30 Set=46.3)
avg1=46.3~2% avg2=na



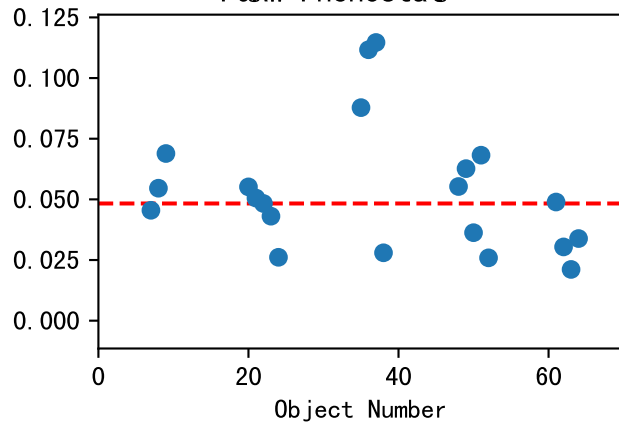
LfL_Q90AbsY (Def=40 Set=39.0)
avg1=39.0~3% avg2=na



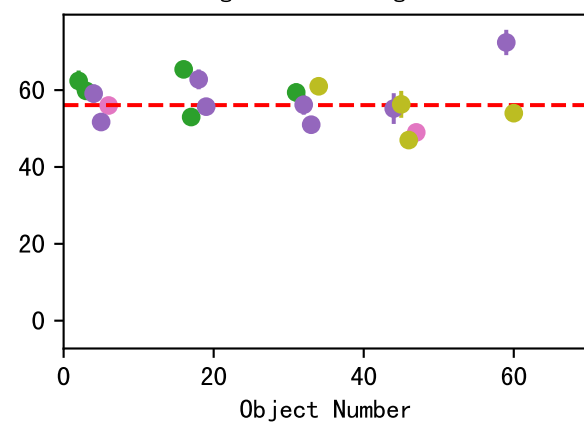
NdL_avgAbsY (Def=na Set=5.13)
avg1=5.13~50% avg2=na



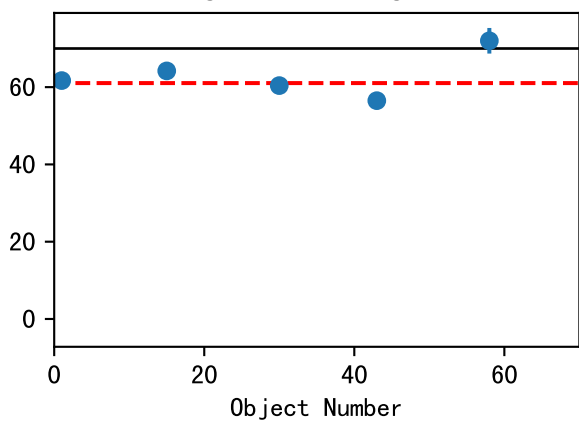
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~36% avg2=na



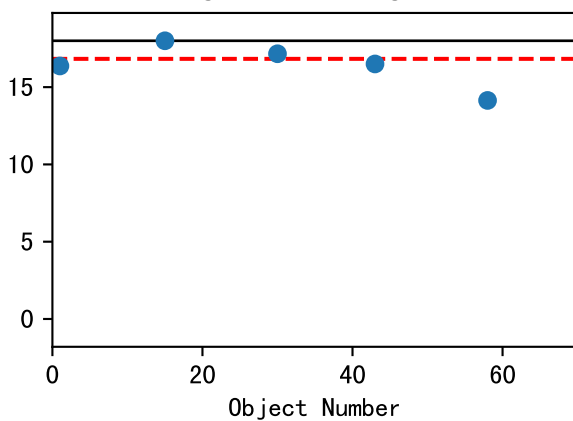
FrD_avgAbsY (Def=na Set=56.1)
avg1=56.1~9% avg2=na



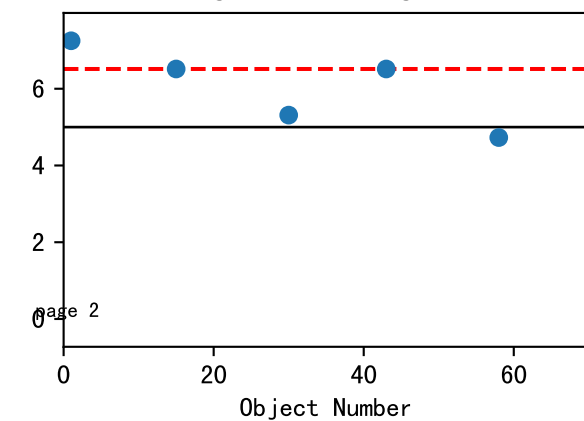
FrD_Q90AbsY (Def=70 Set=61.05)
avg1=61.05~5% avg2=na



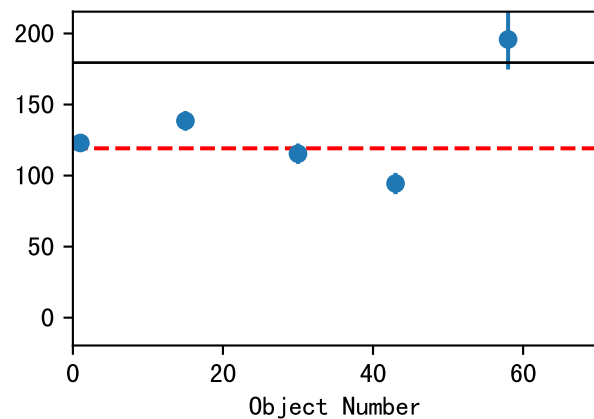
NdD_Q90AbsY (Def=18 Set=16.83)
avg1=16.83~4% avg2=na



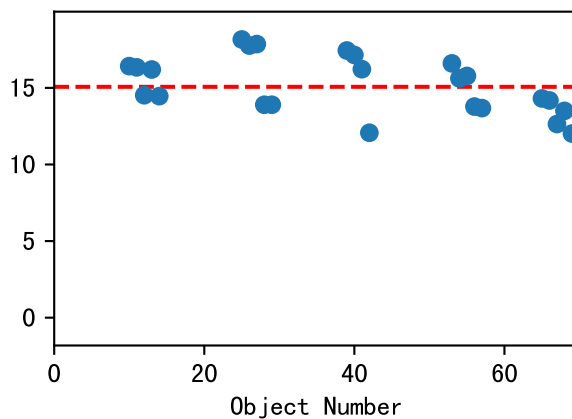
NdL_Q90AbsY (Def=5 Set=6.51)
avg1=6.51~16% avg2=na



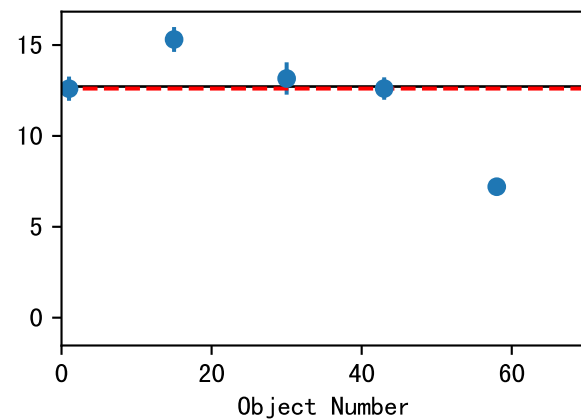
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=119.17~15% avg2=na



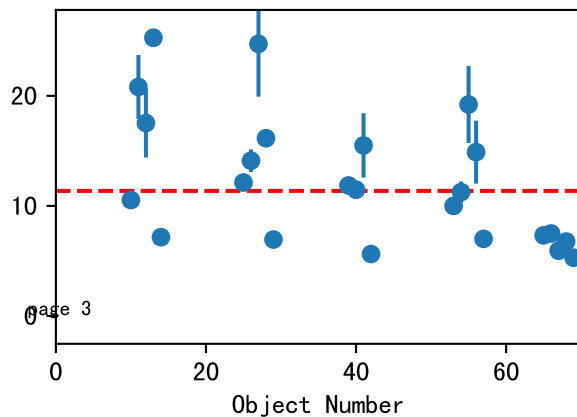
NdD_avgAbsY (Def=na Set=15.07)
avg1=15.07~18% avg2=na



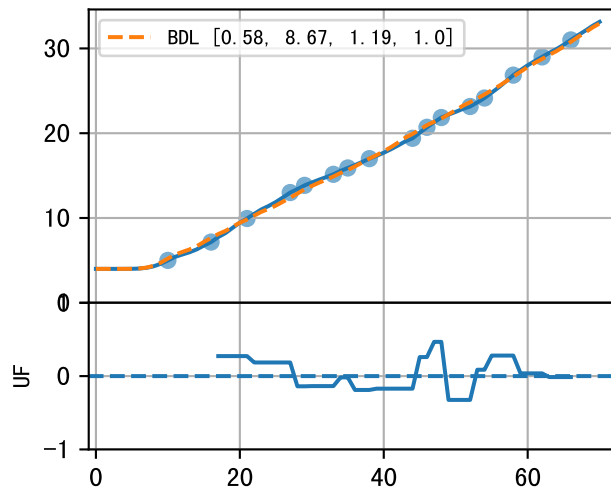
NdV_Q90AbsY (Def=12.72 Set=12.72)
avg1=12.61~3% avg2=na



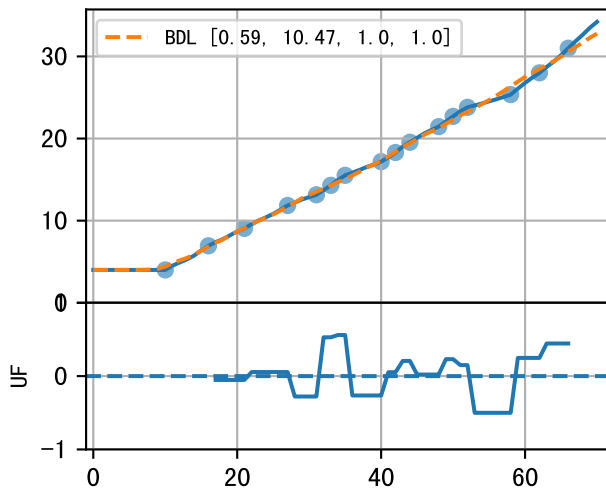
NdV_avgAbsY (Def=na Set=11.36)
avg1=11.36~52% avg2=na



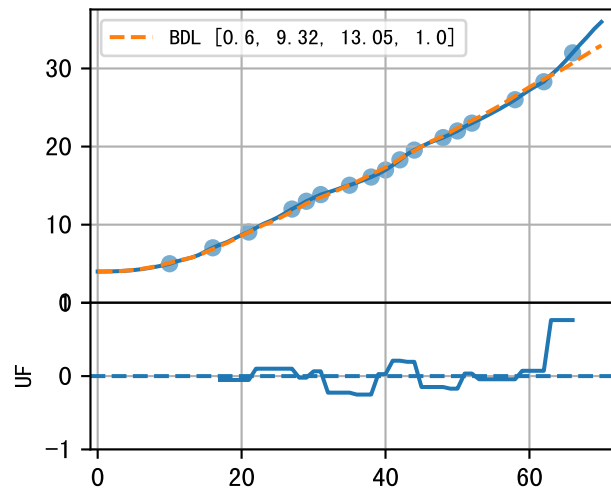
P9AW-005-13 (fit failed)



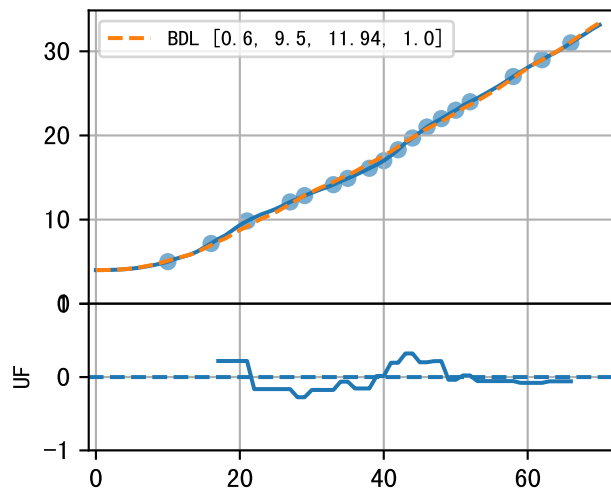
P9AW-017-26 (fit failed)



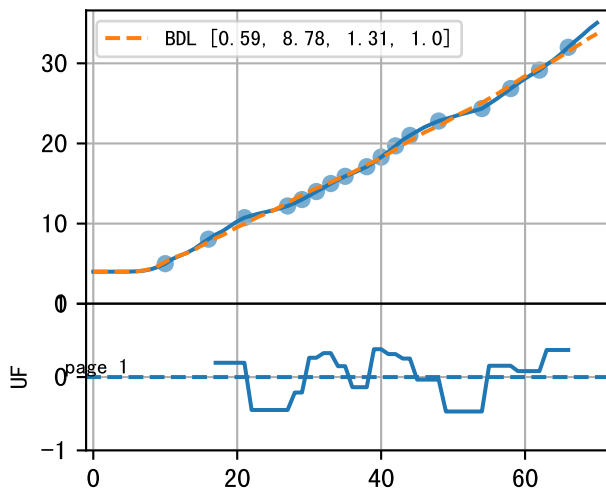
P9AW-029-11 (fit failed)



P9AW-040-22 (fit failed)



P9AW-052-18 (fit failed)



P9AWavg (fit failed)

NdN

BDL [0.59, 10.02, 2.14, 1.0]

UF

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30

20

10

0

0

-1

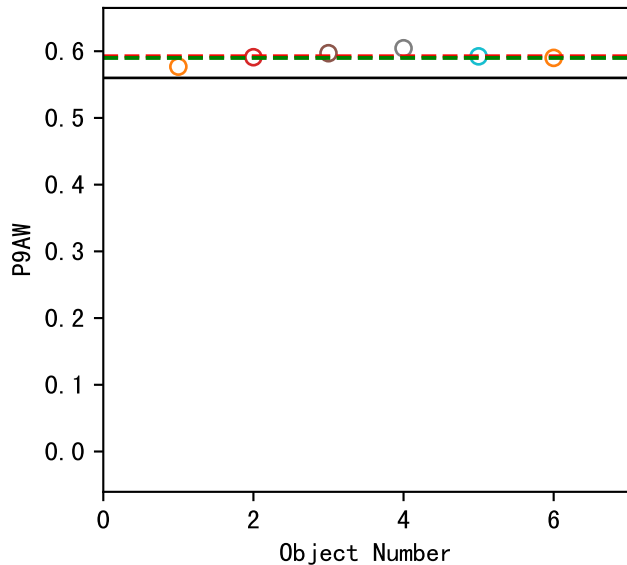
0

20

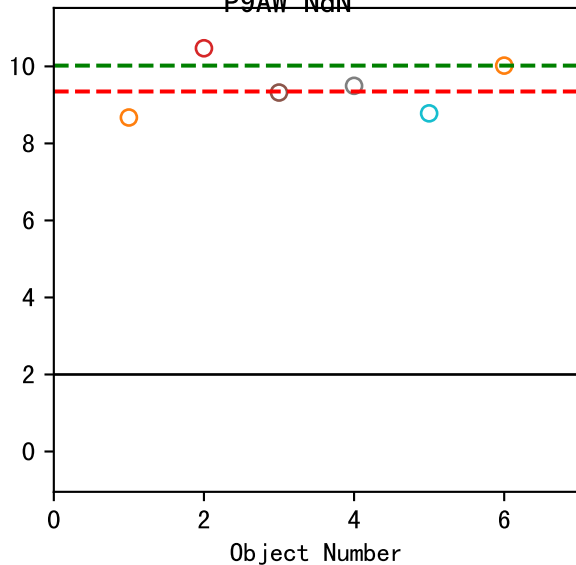
40

60

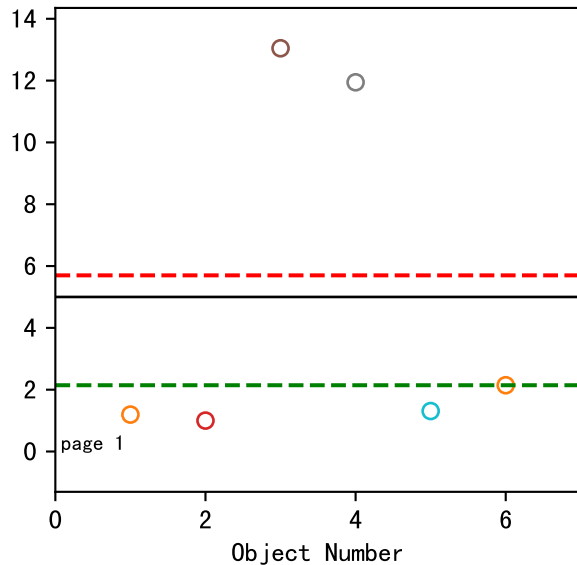
a (Def=0.56 Set=0.59)
avg1=0.59(fail) avg2=0.59



dm (Def=2 Set=10.02)
avg1=9.35(fail) avg2=10.02



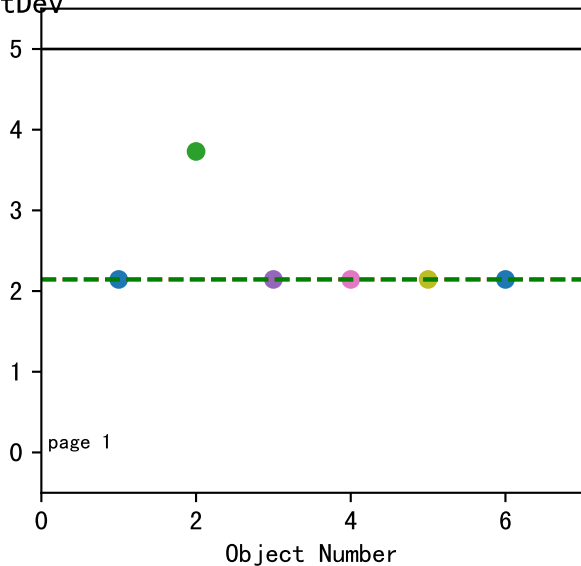
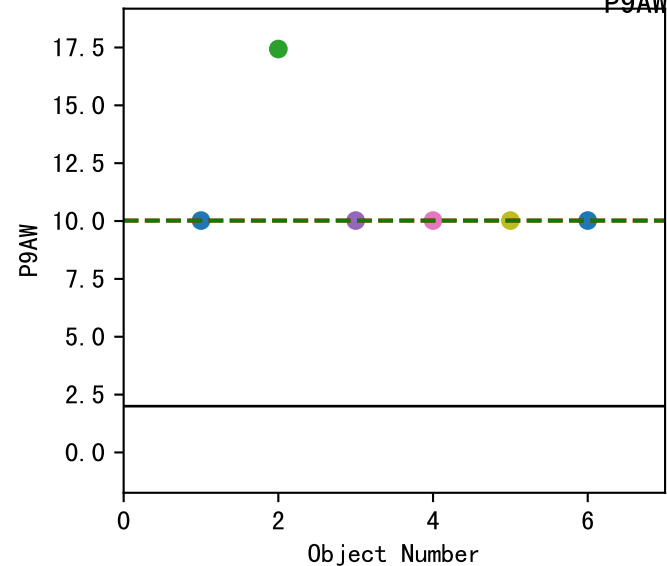
de (Def=5 Set=2.14)
avg1=5.7(fail) avg2=2.14



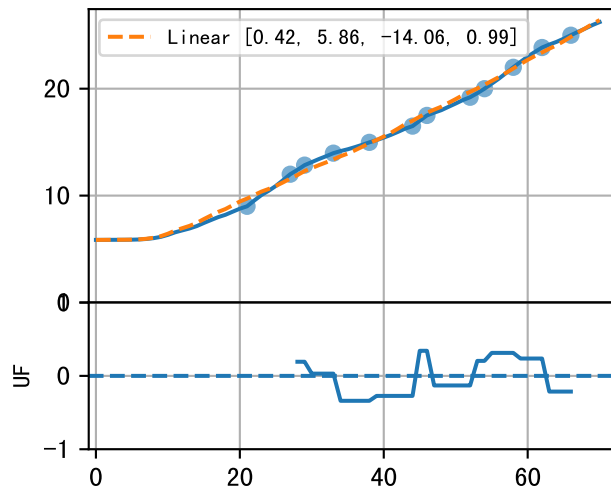
InitDev_dm (Def=2 Set=10.02)
avg1=10.02~0% avg2=10.02

InitDev_de (Def=5 Set=2.14)
avg1=2.14~0% avg2=2.14

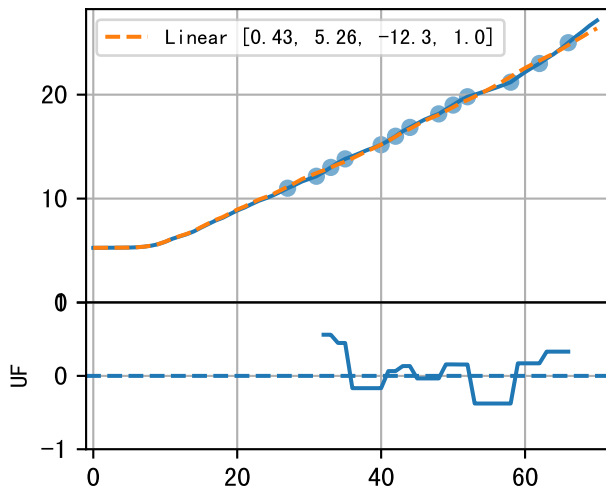
P9AW InitDev



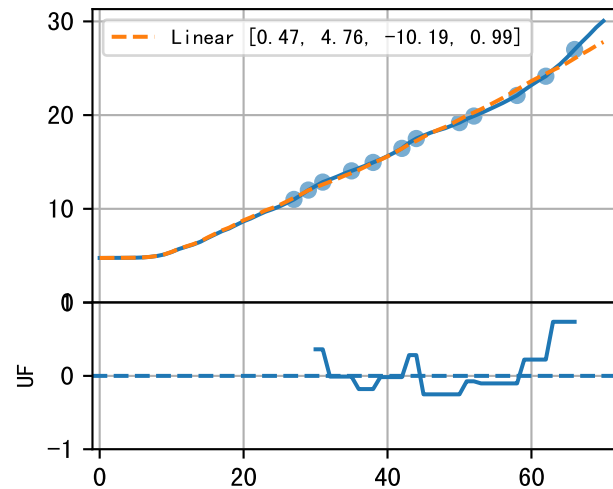
P9AW-005-13



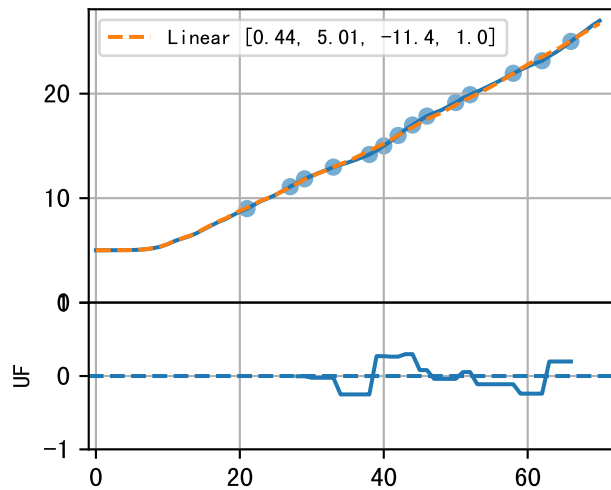
P9AW-017-26



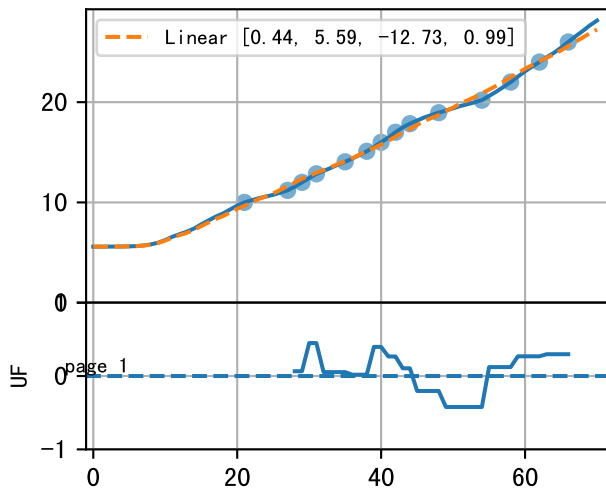
P9AW-029-11



P9AW-040-22



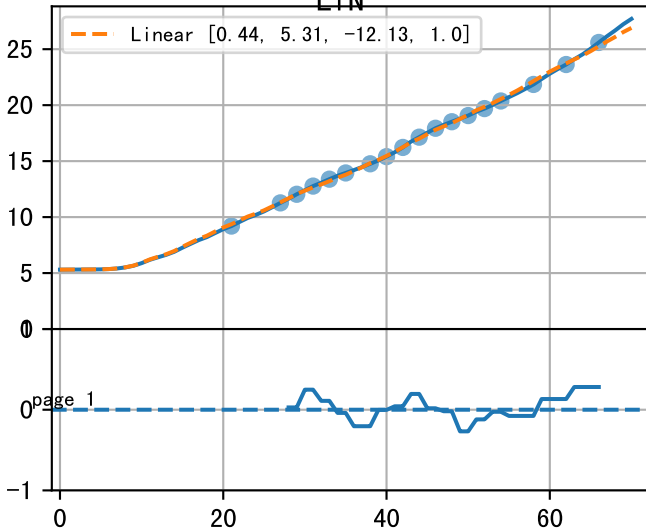
P9AW-052-18



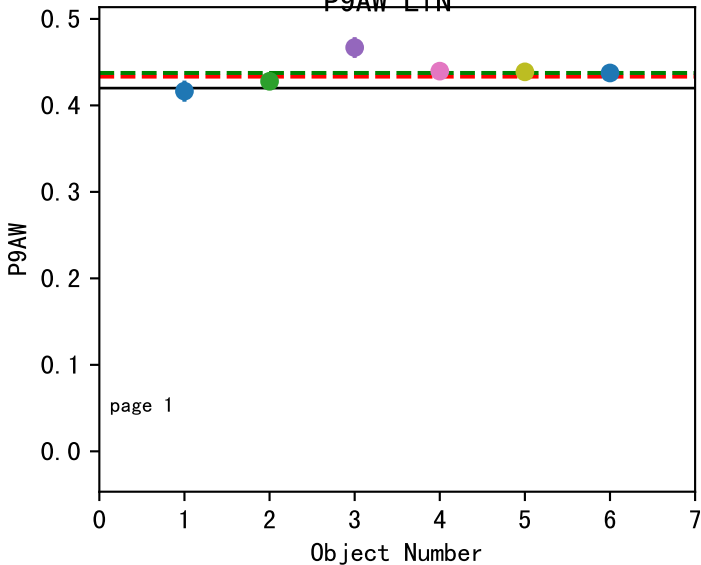
P9AWavg
Lfn

Linear [0.44, 5.31, -12.13, 1.0]

UF
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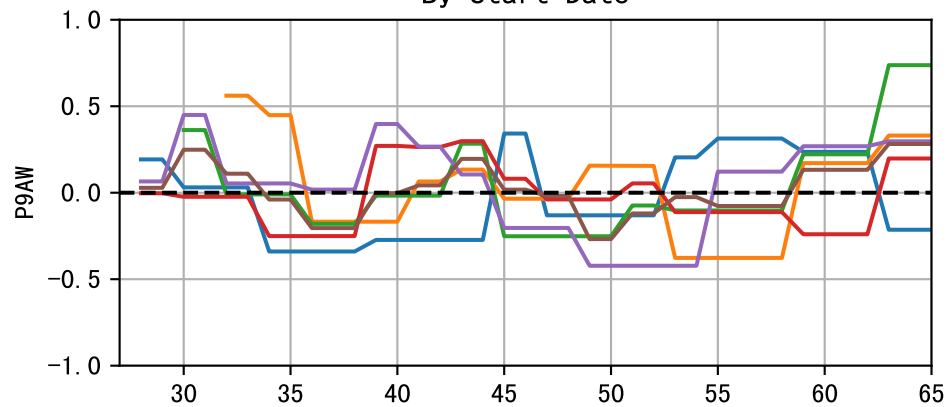


a (Def=0.42 Set=0.44)
avg1=0.43~3% avg2=0.44~2%
P9AW LFN

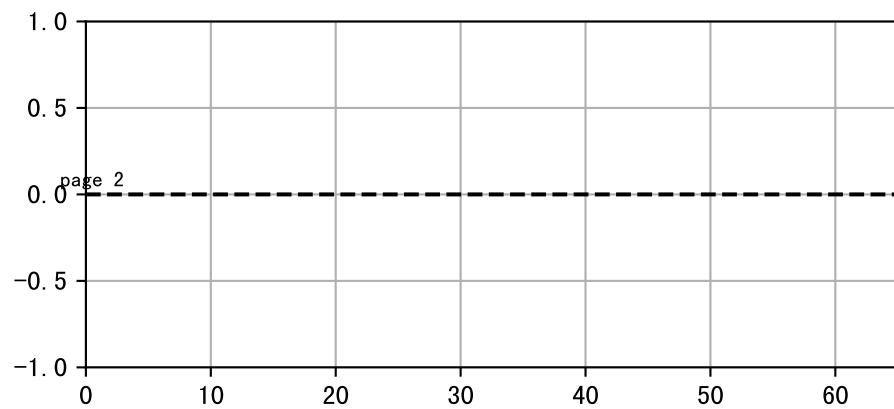
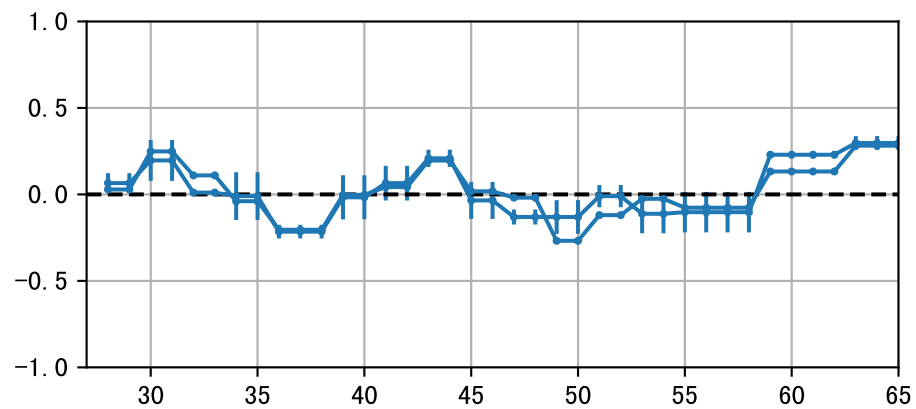
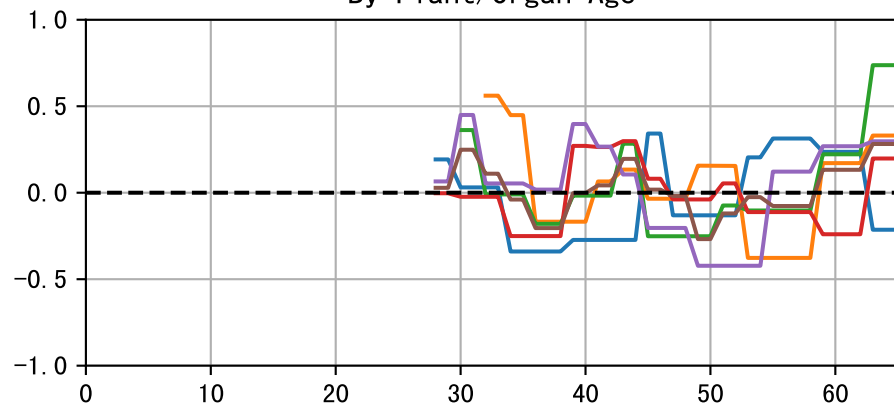


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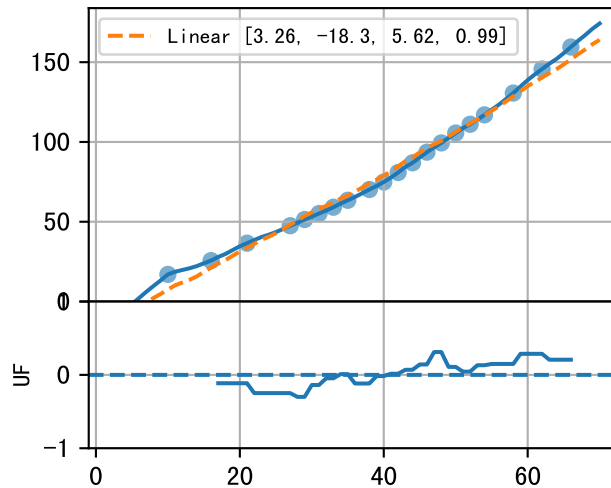
By Start Date



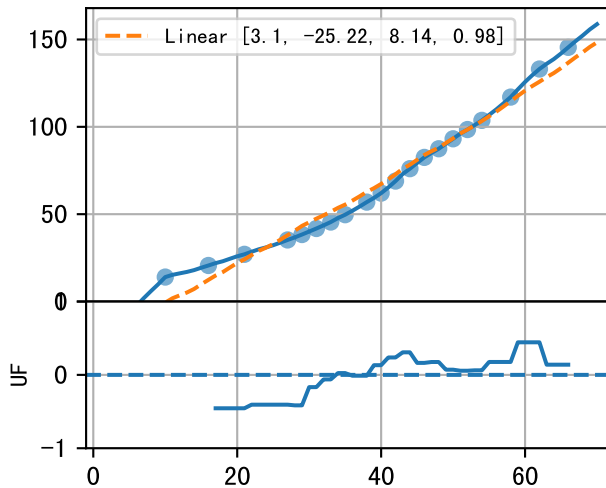
By Plant/Organ Age



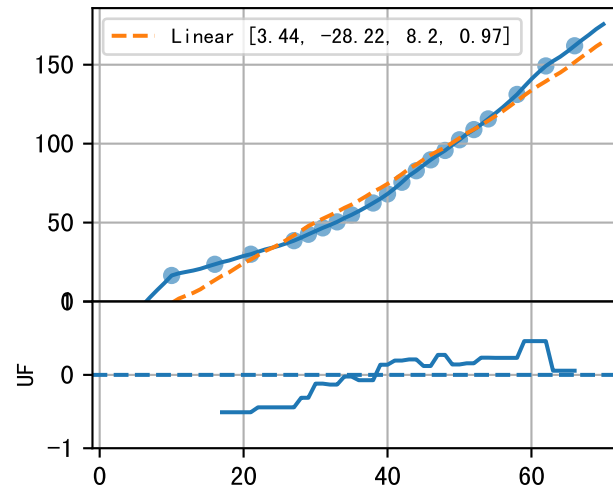
P9AW-005-13



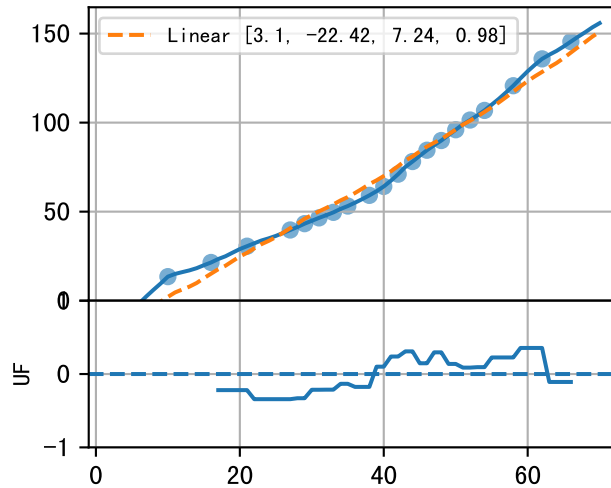
P9AW-017-26



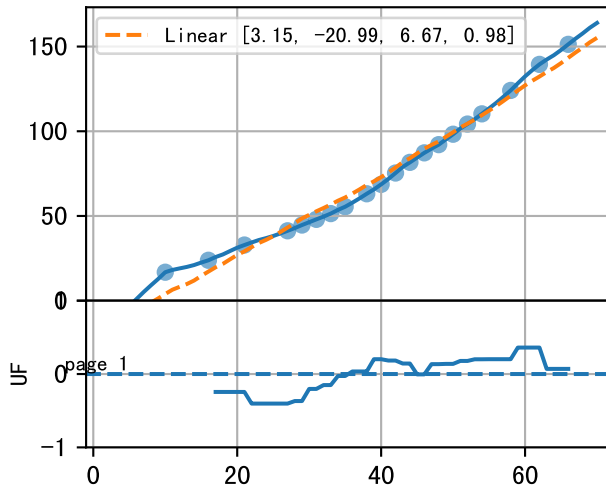
P9AW-029-11



P9AW-040-22

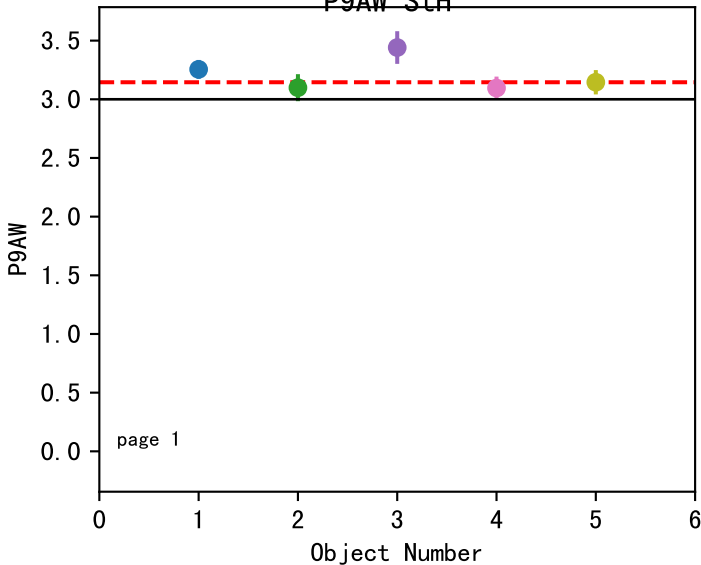


P9AW-052-18



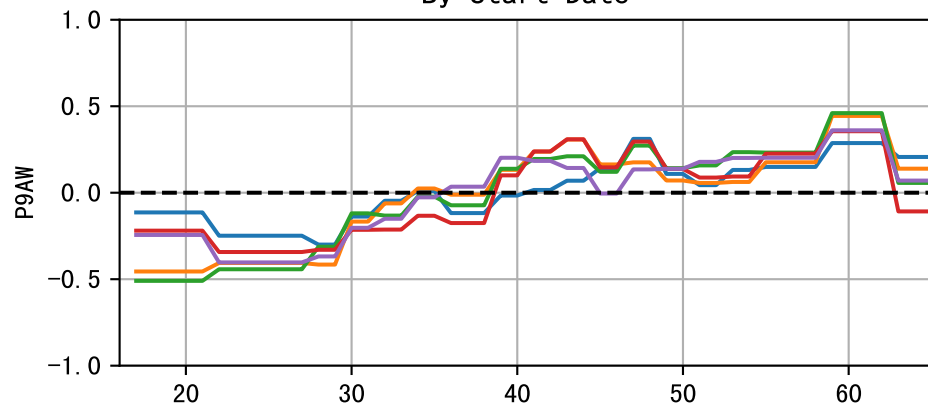
a (Def=3 Set=3.15)
avg1=3.15~5% avg2=na

P9AW StH

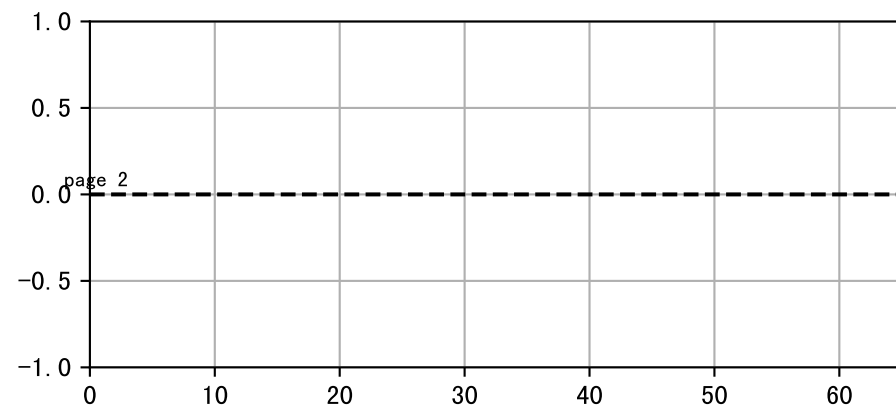
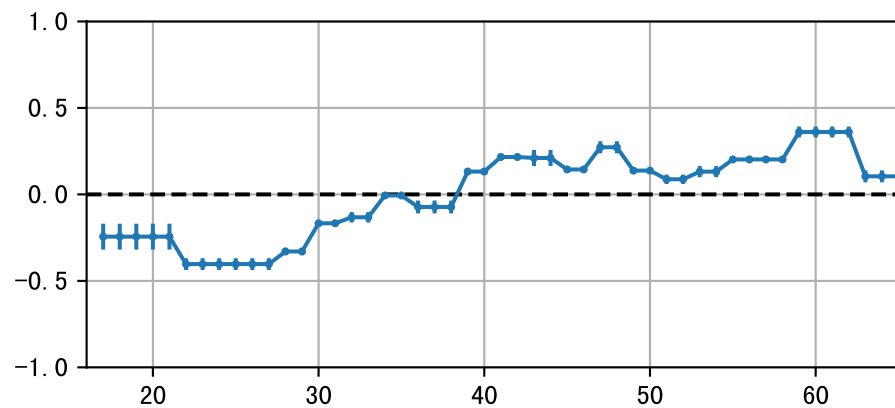
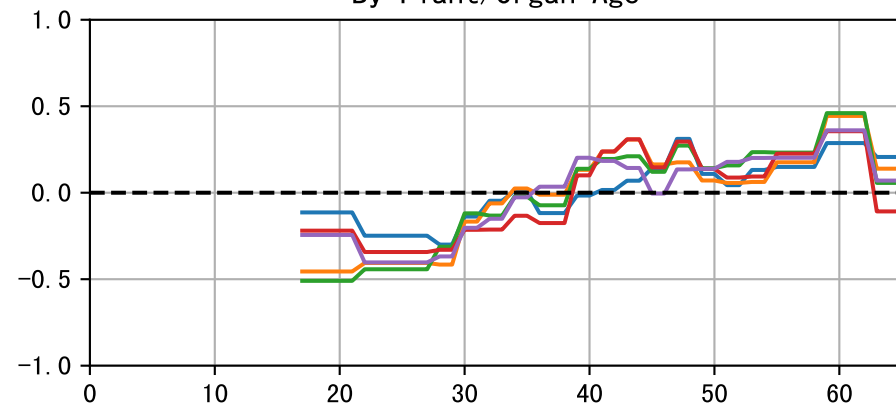


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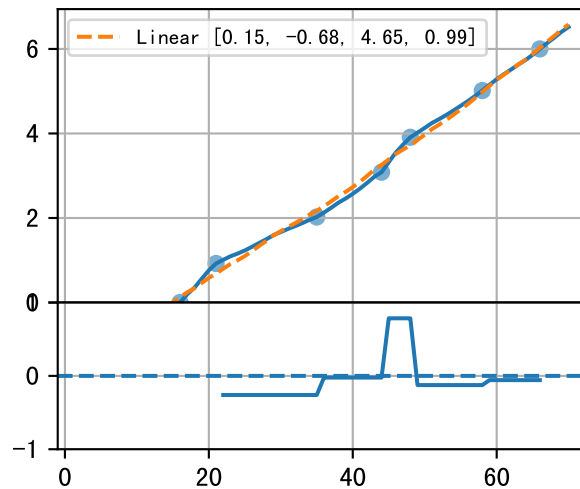
By Start Date



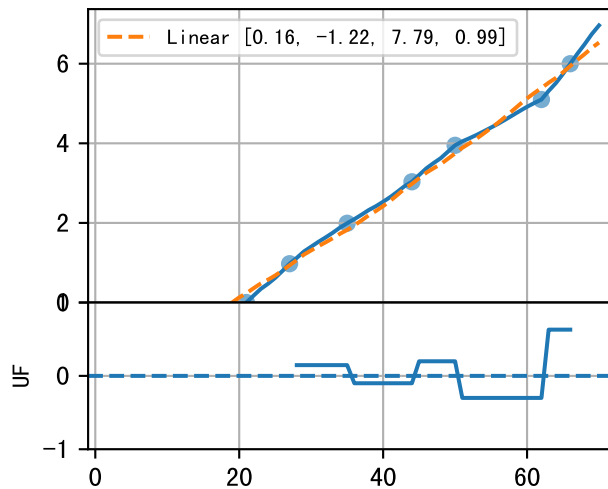
By Plant/Organ Age



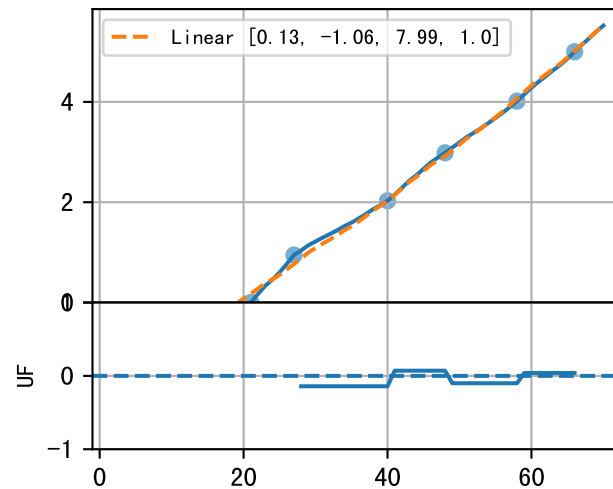
P9AW-005-13



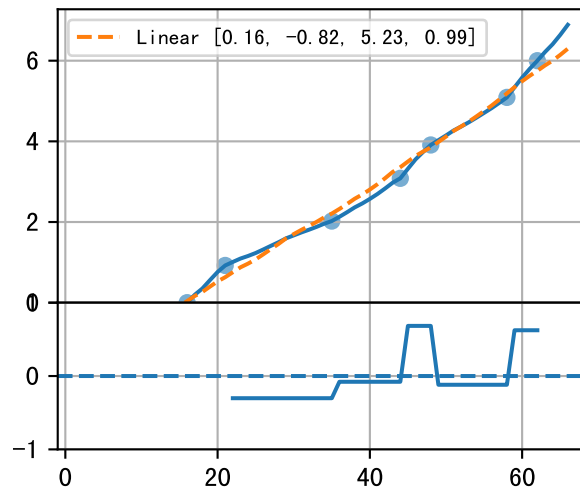
P9AW-017-26



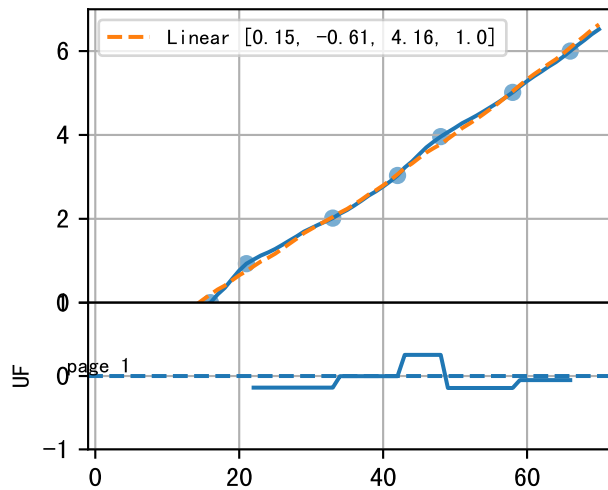
P9AW-029-11



P9AW-040-22



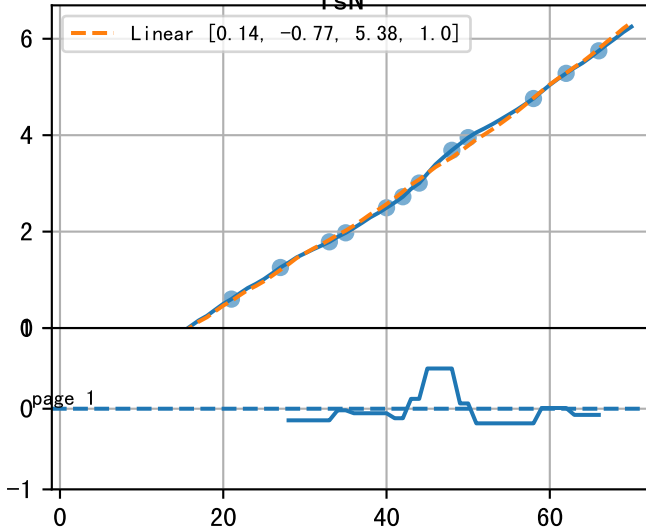
P9AW-052-18



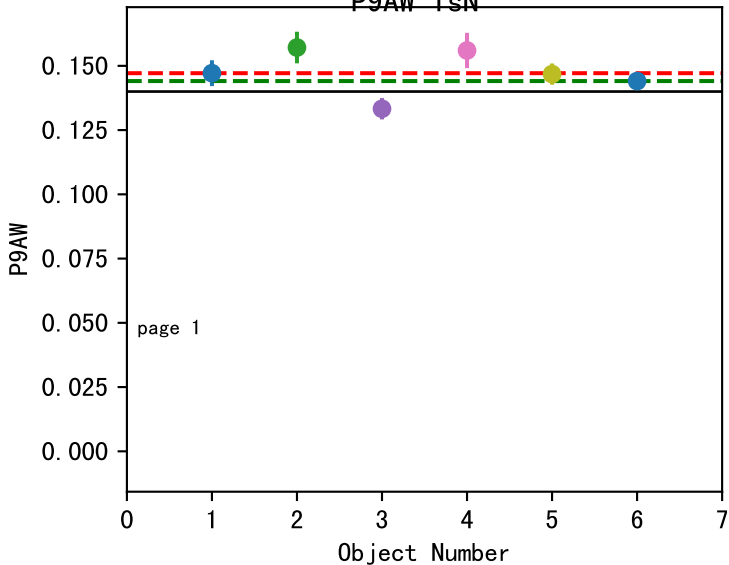
P9AWavg
TSN

Linear [0.14, -0.77, 5.38, 1.0]

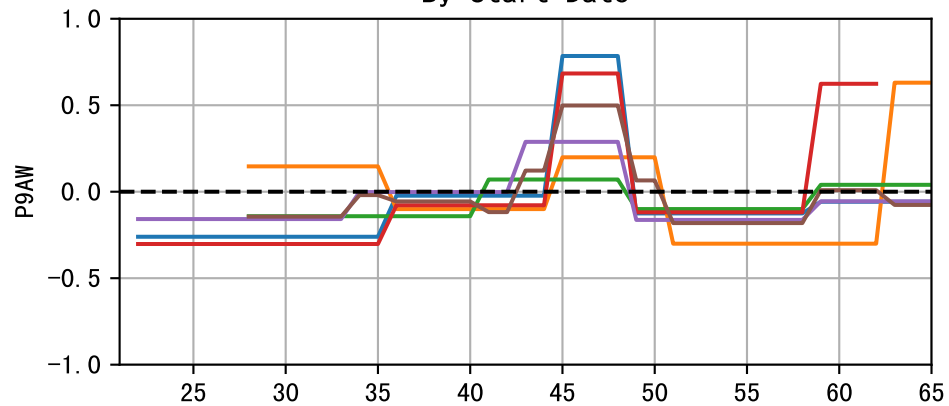
UF
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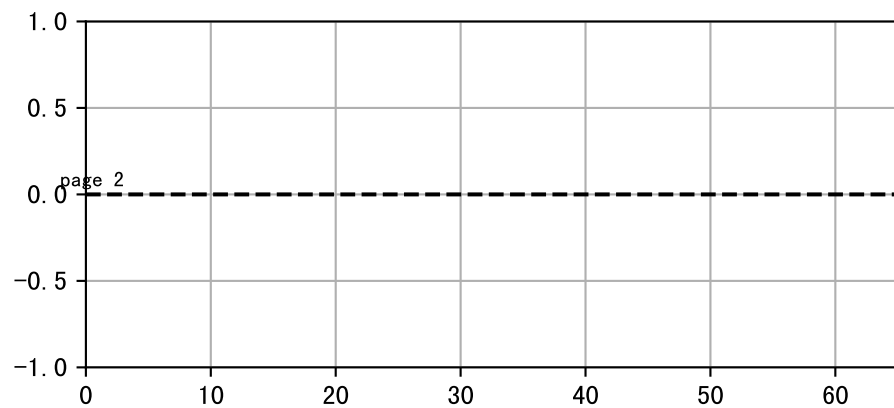
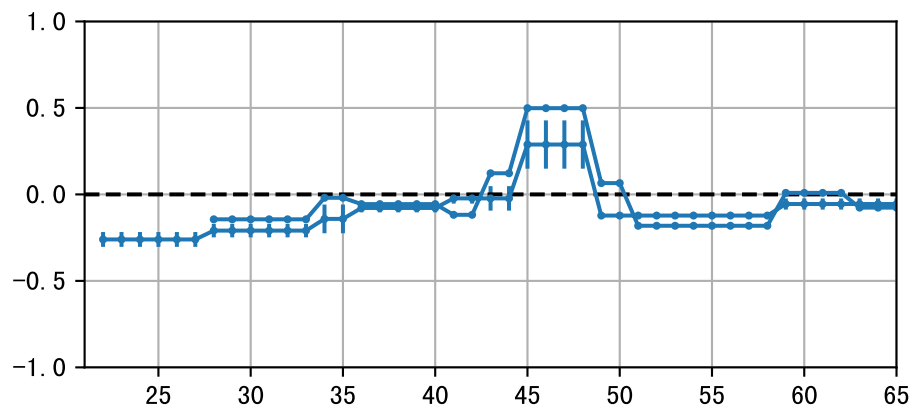
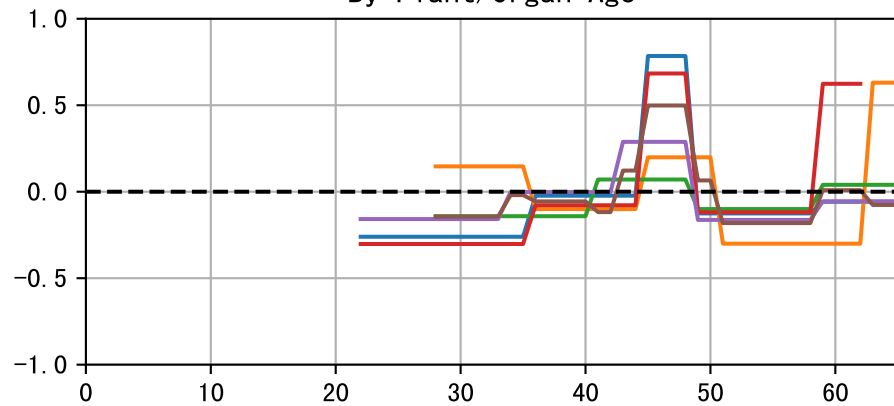
a (Def=0.14 Set=0.14)
avg1=0.15 $\sim$ 6% avg2=0.14 $\sim$ 4%
P9AW TSN



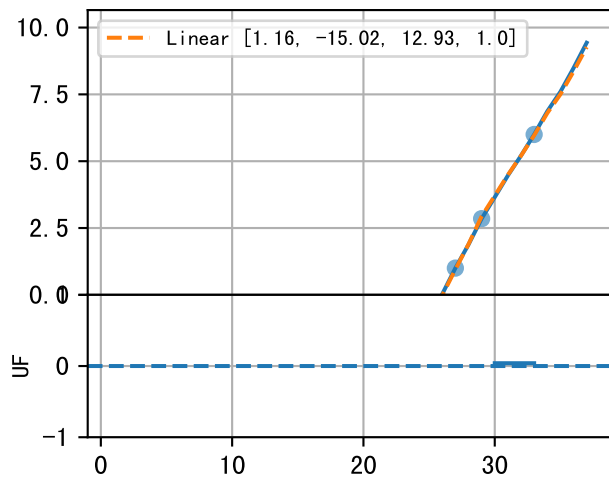
By Start Date



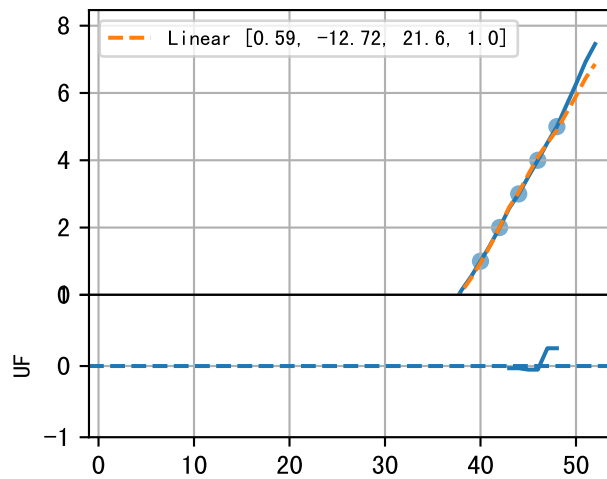
By Plant/Organ Age



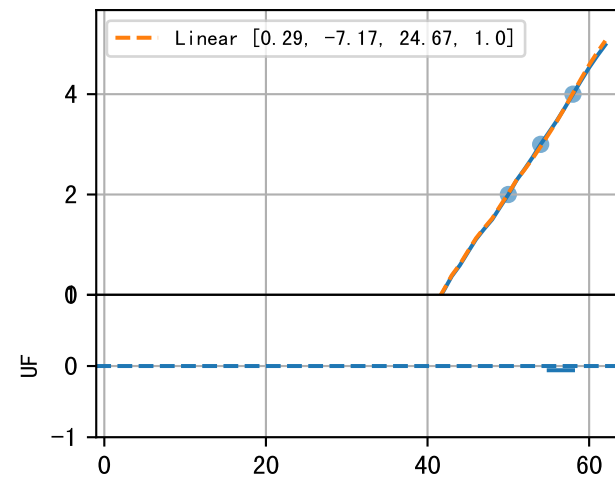
P9AW-005-13T1



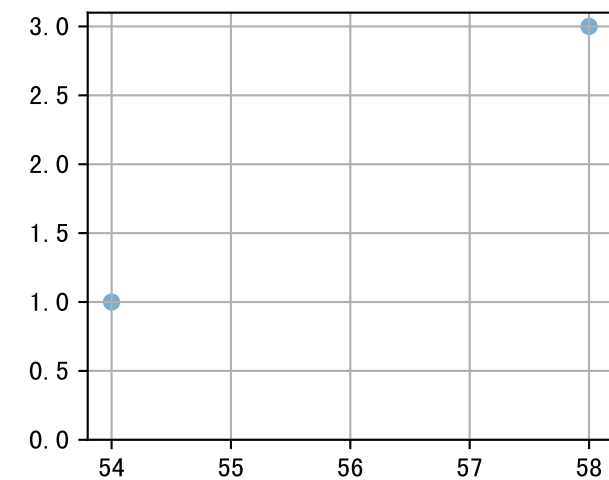
P9AW-005-13T2



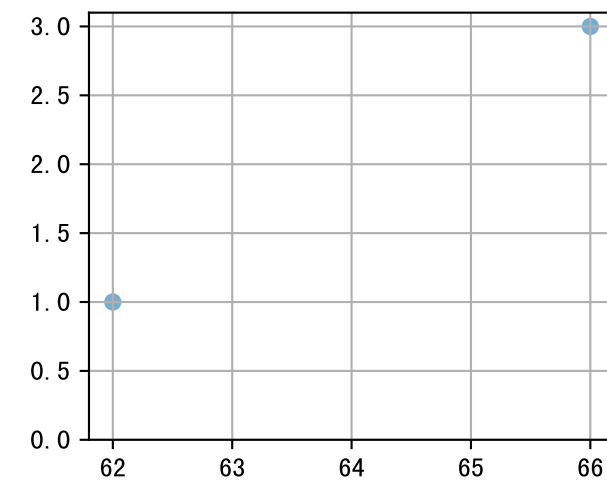
P9AW-005-13T3



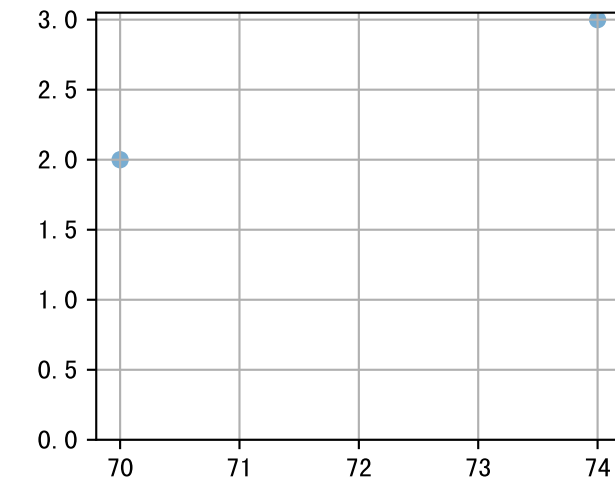
P9AW-005-13T4 (fit failed)



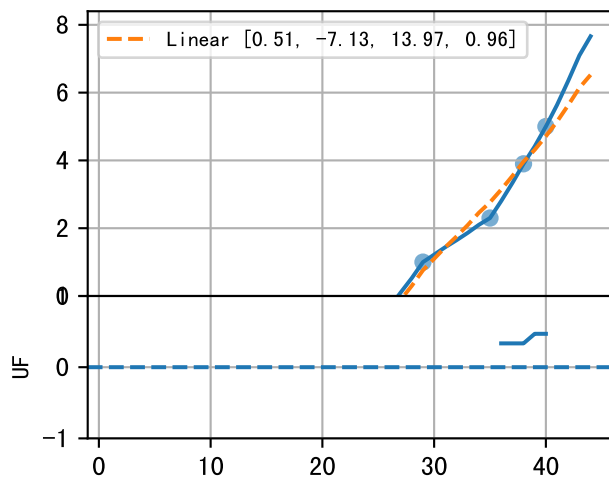
P9AW-005-13T5 (fit failed)



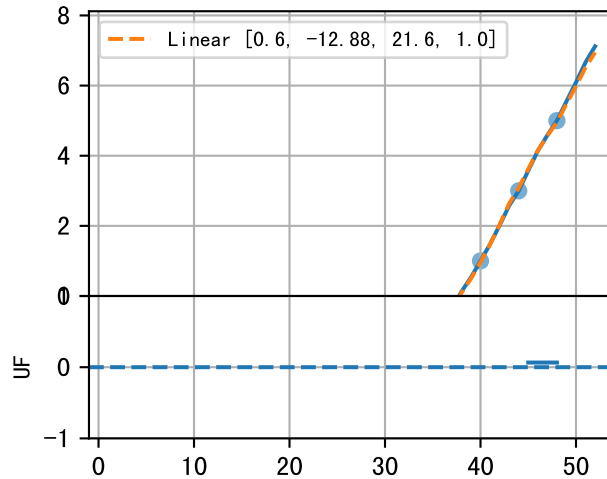
P9AW-005-13T6 (fit failed)



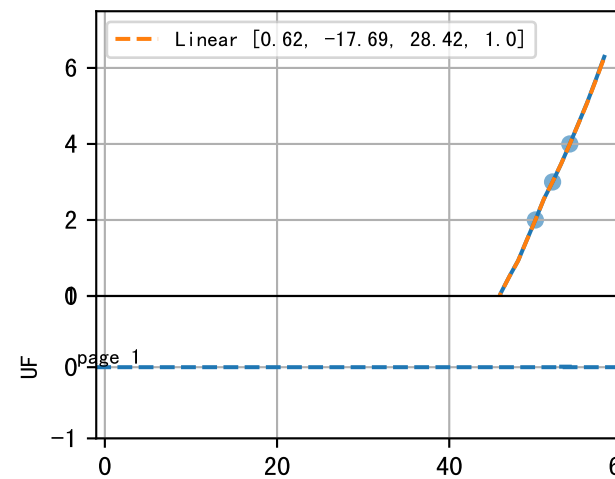
P9AW-017-26T1



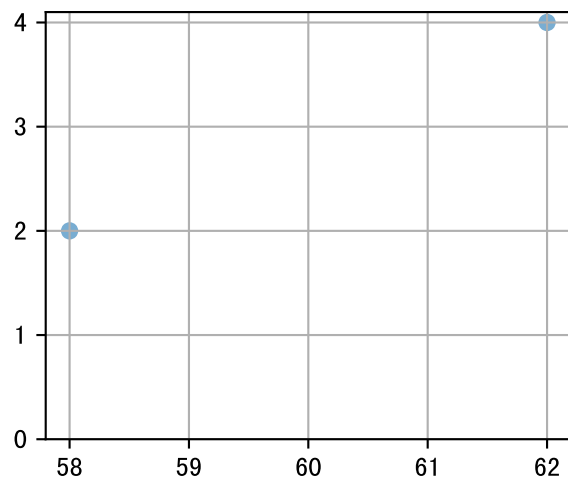
P9AW-017-26T2



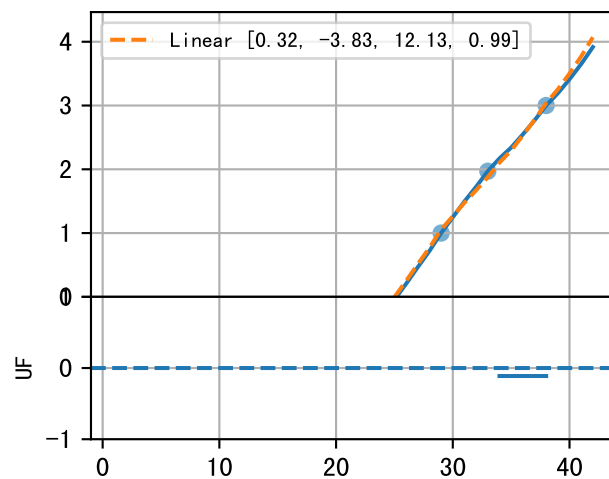
P9AW-017-26T3



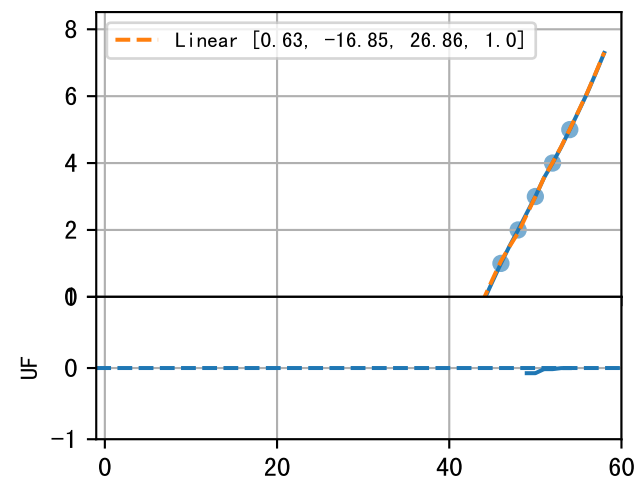
P9AW-017-26T4 (fit failed)



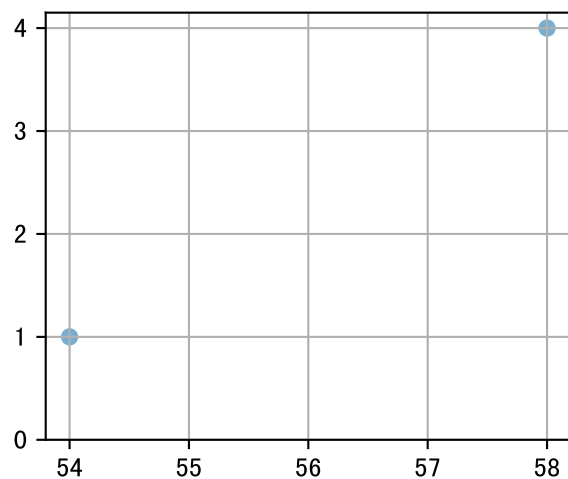
P9AW-029-11T1



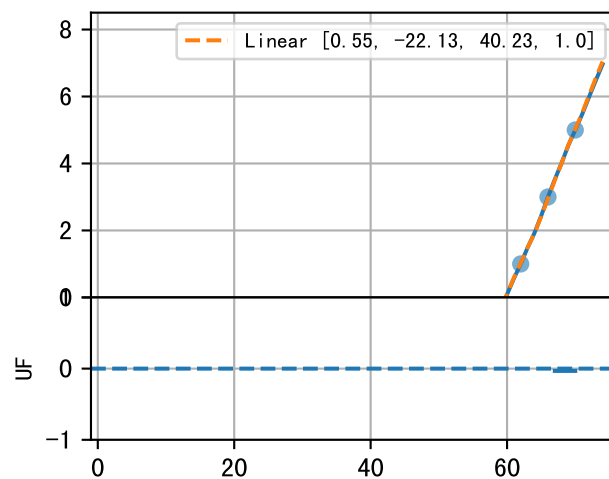
P9AW-029-11T2



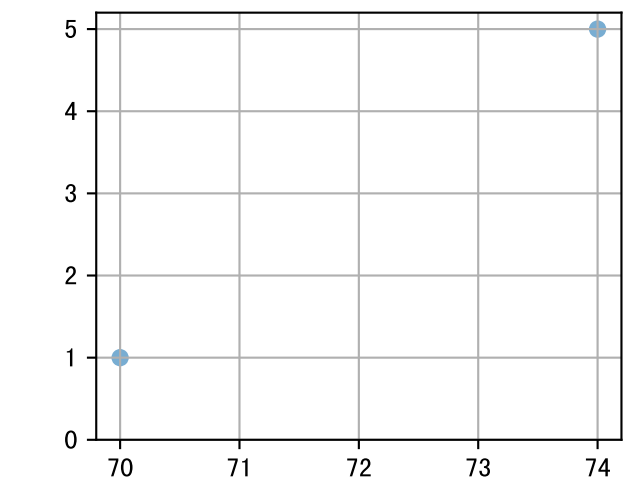
P9AW-029-11T3 (fit failed)



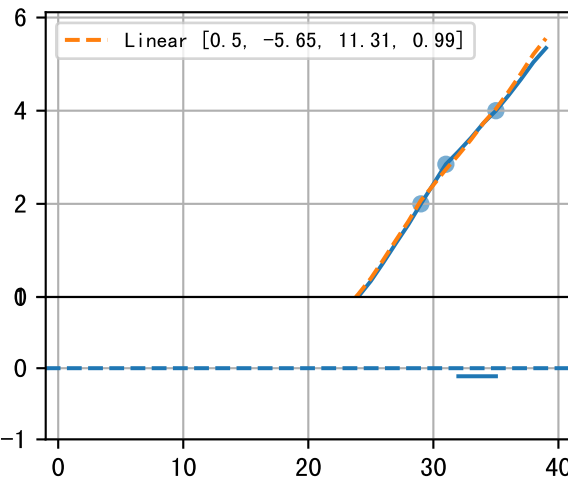
P9AW-029-11T4



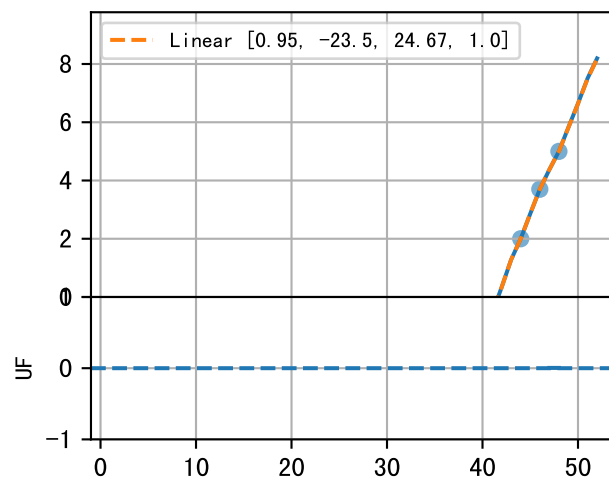
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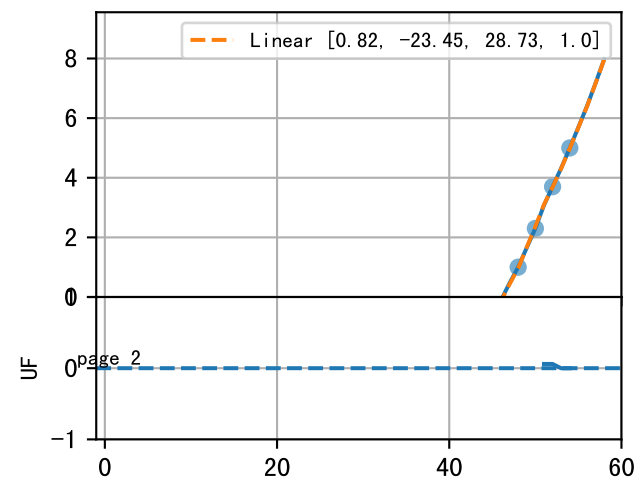
P9AW-040-22T1

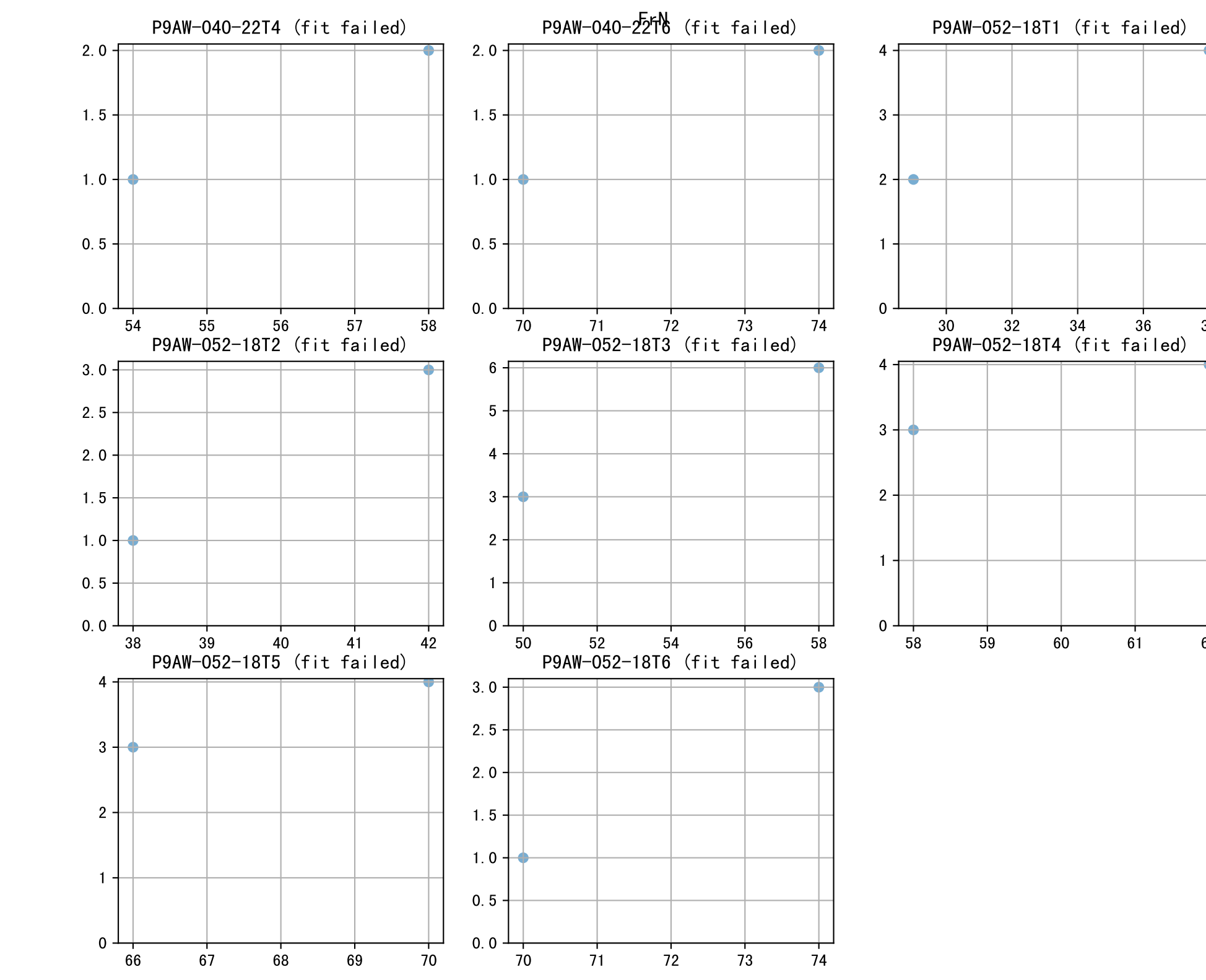


P9AW-040-22T2

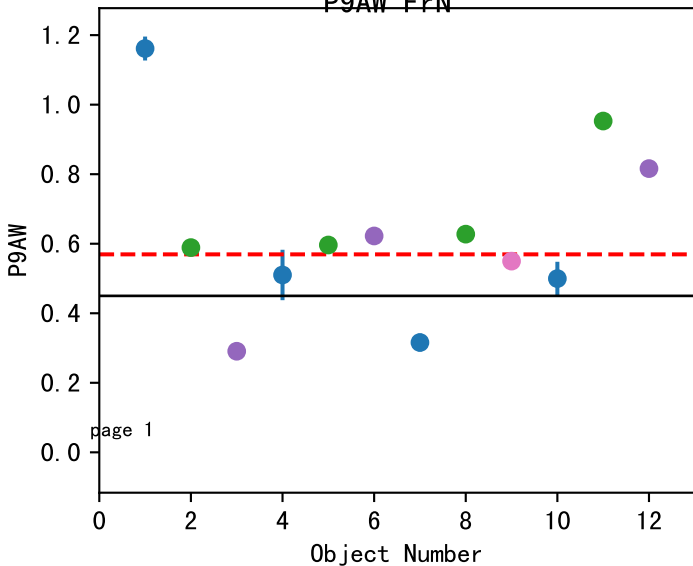


P9AW-040-22T3

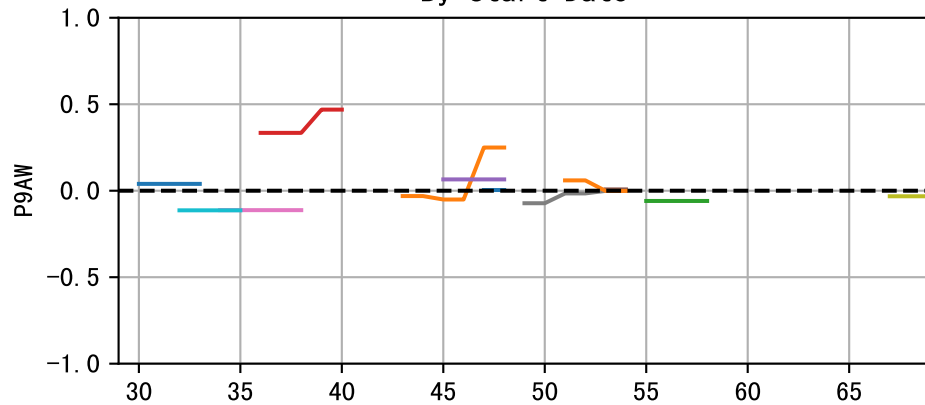




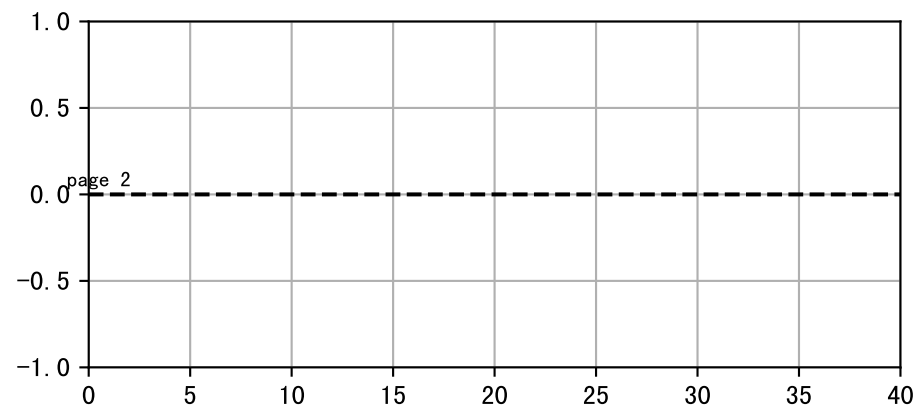
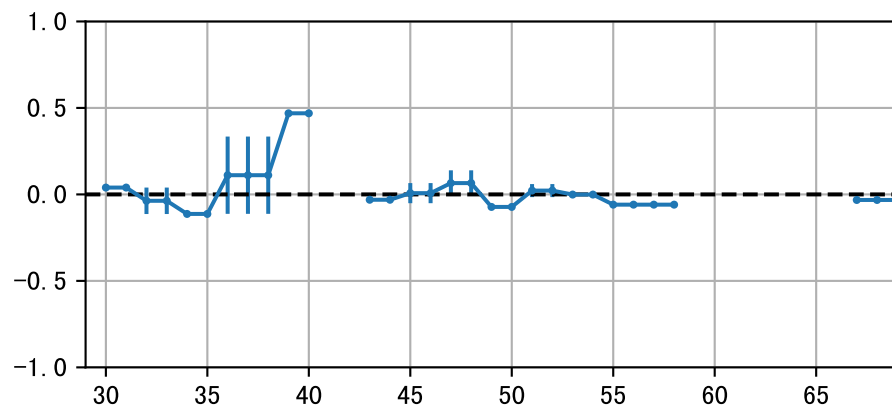
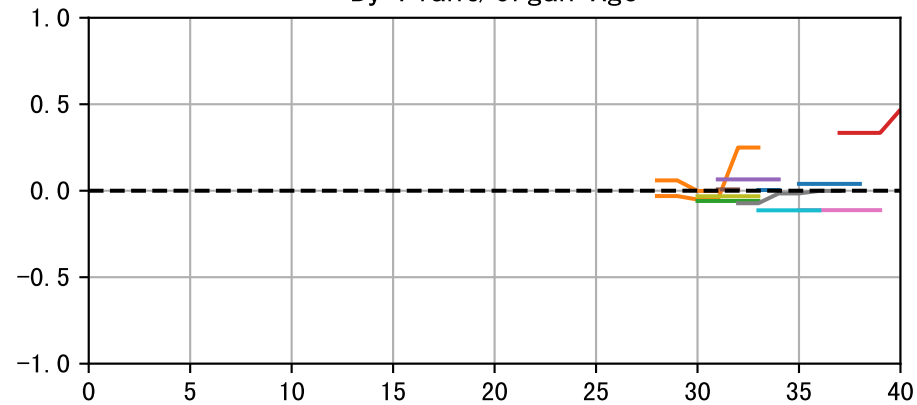
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avg1=0.57~27% avg2=na

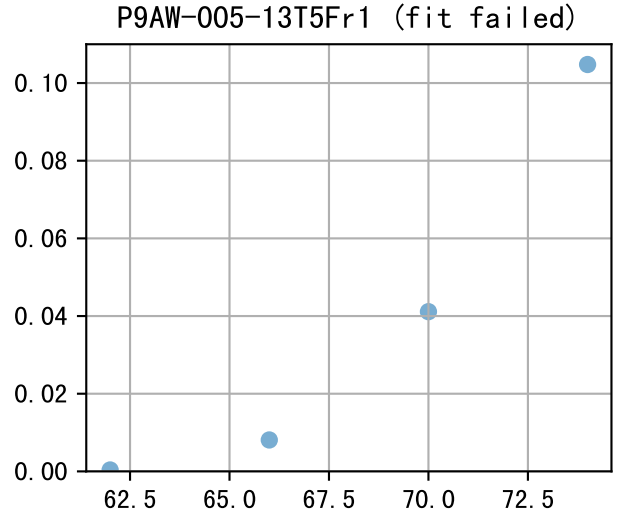
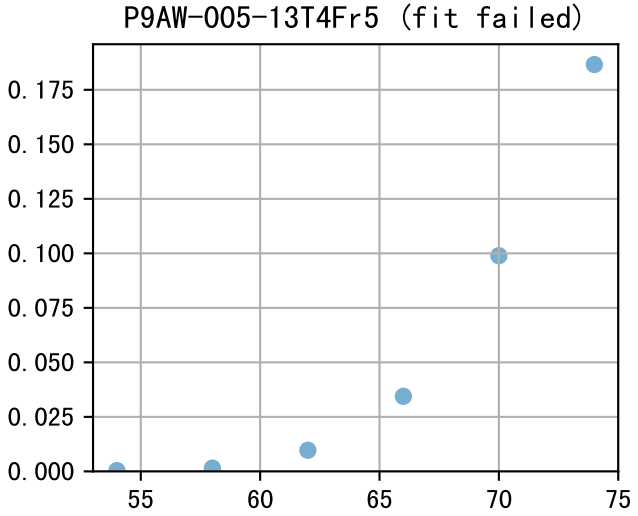
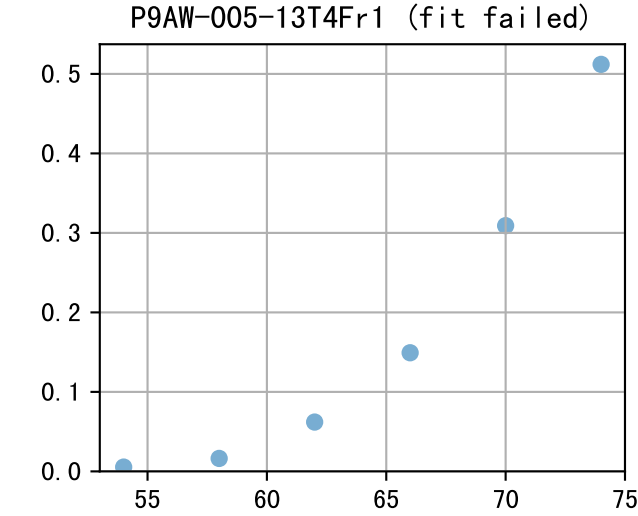
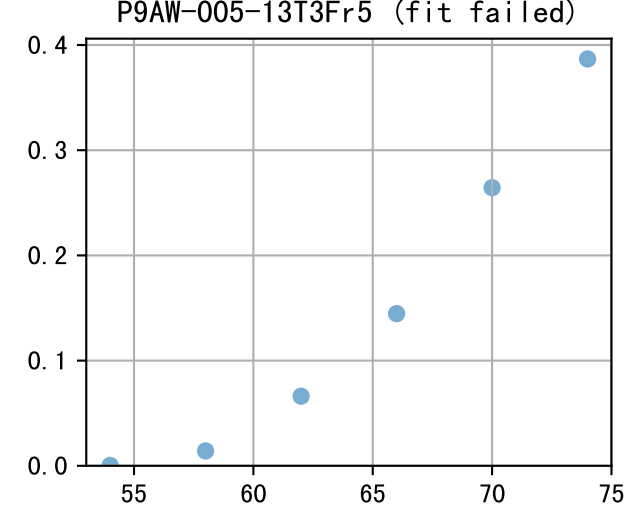
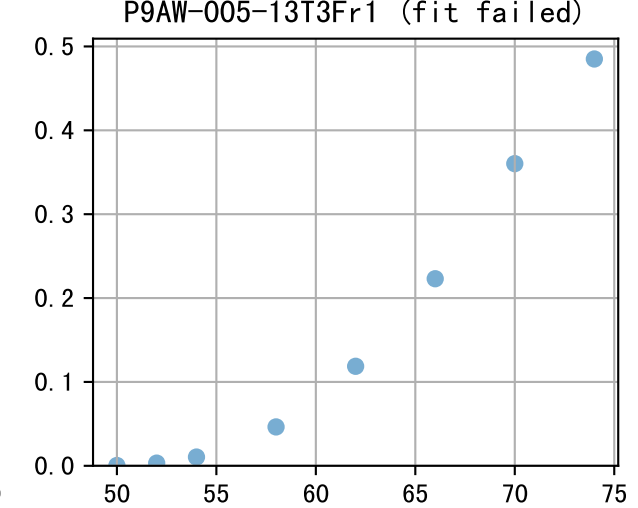
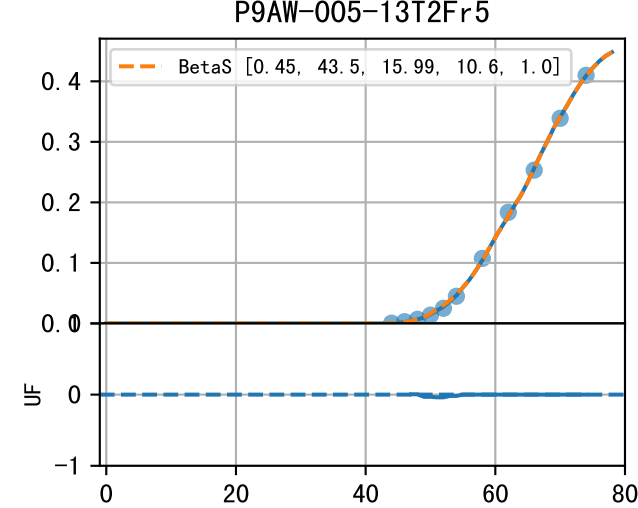
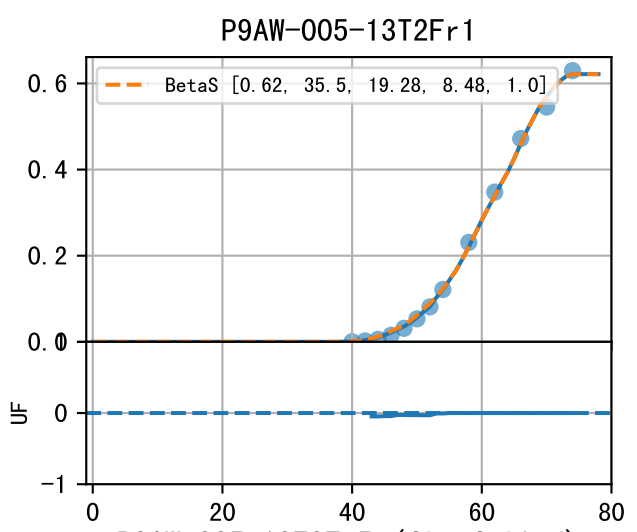
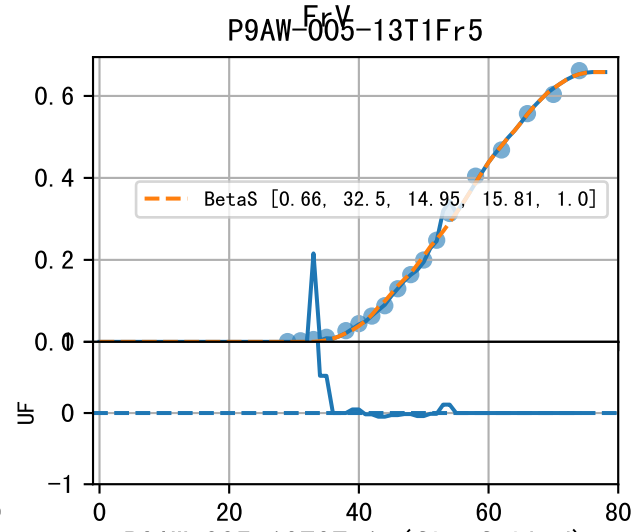
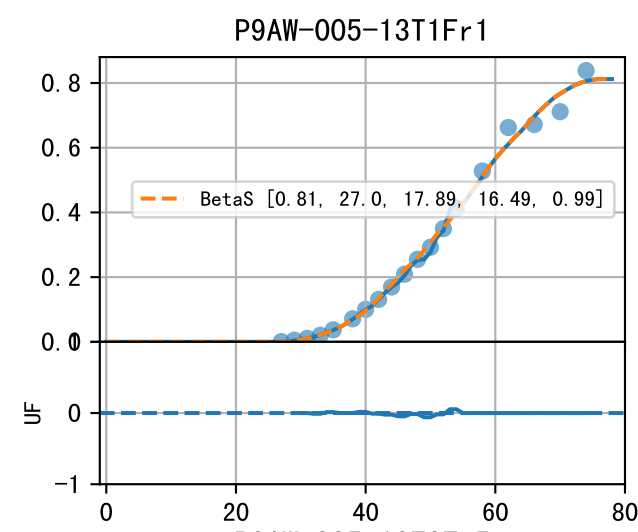


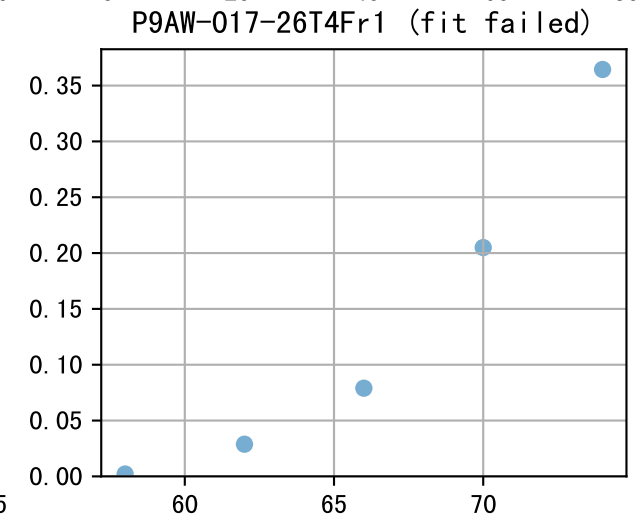
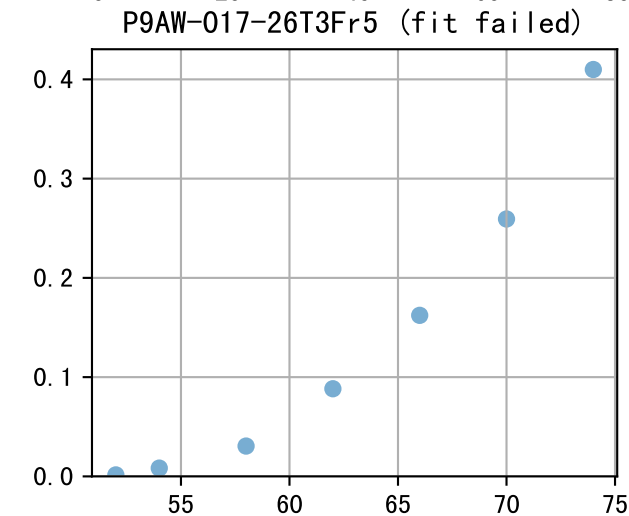
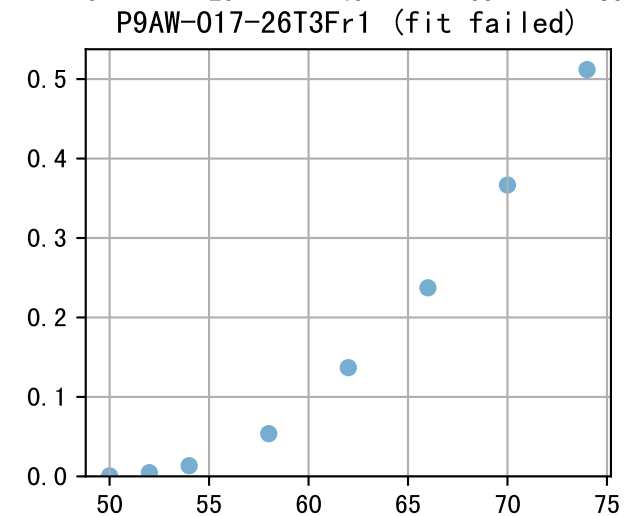
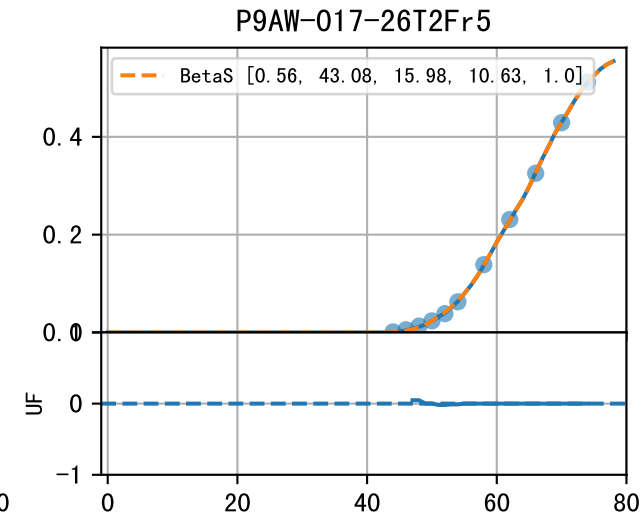
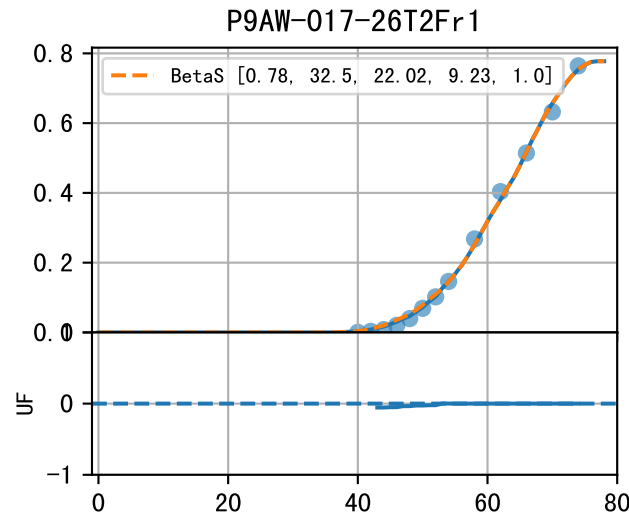
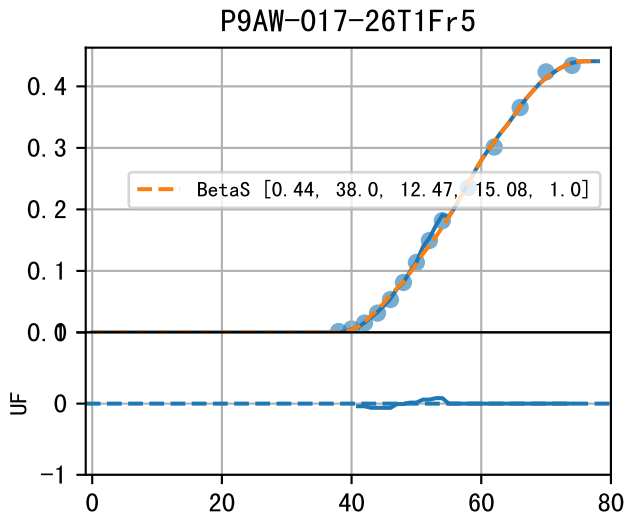
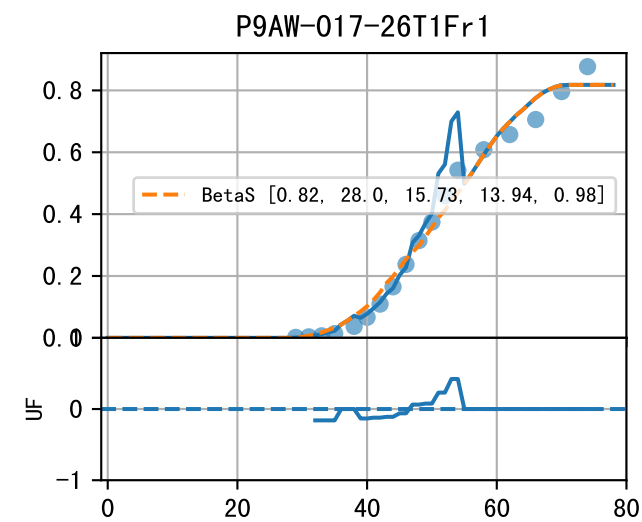
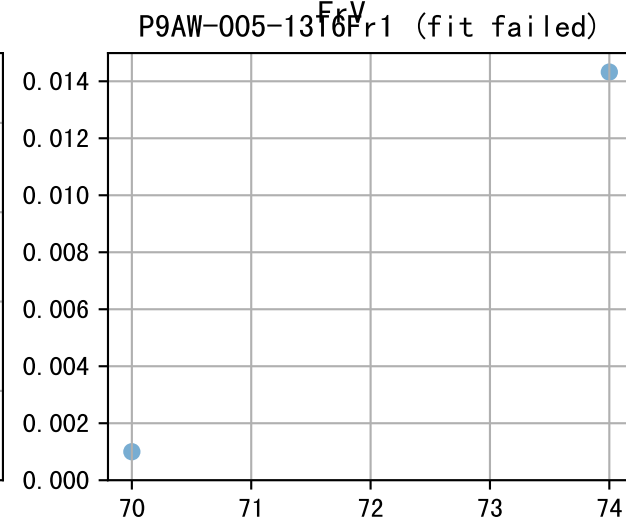
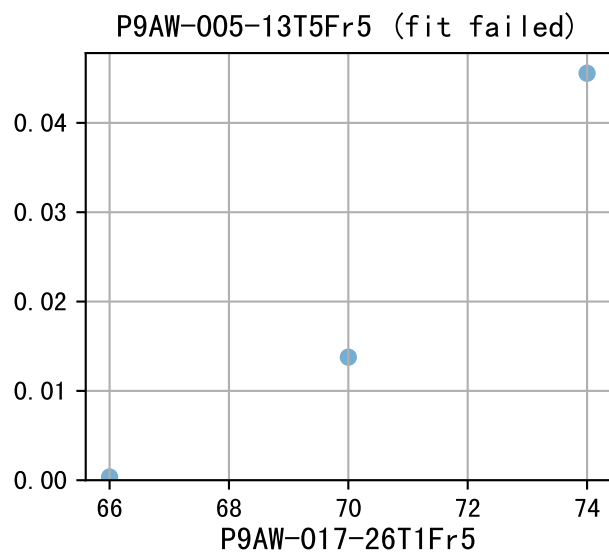
By Start Date

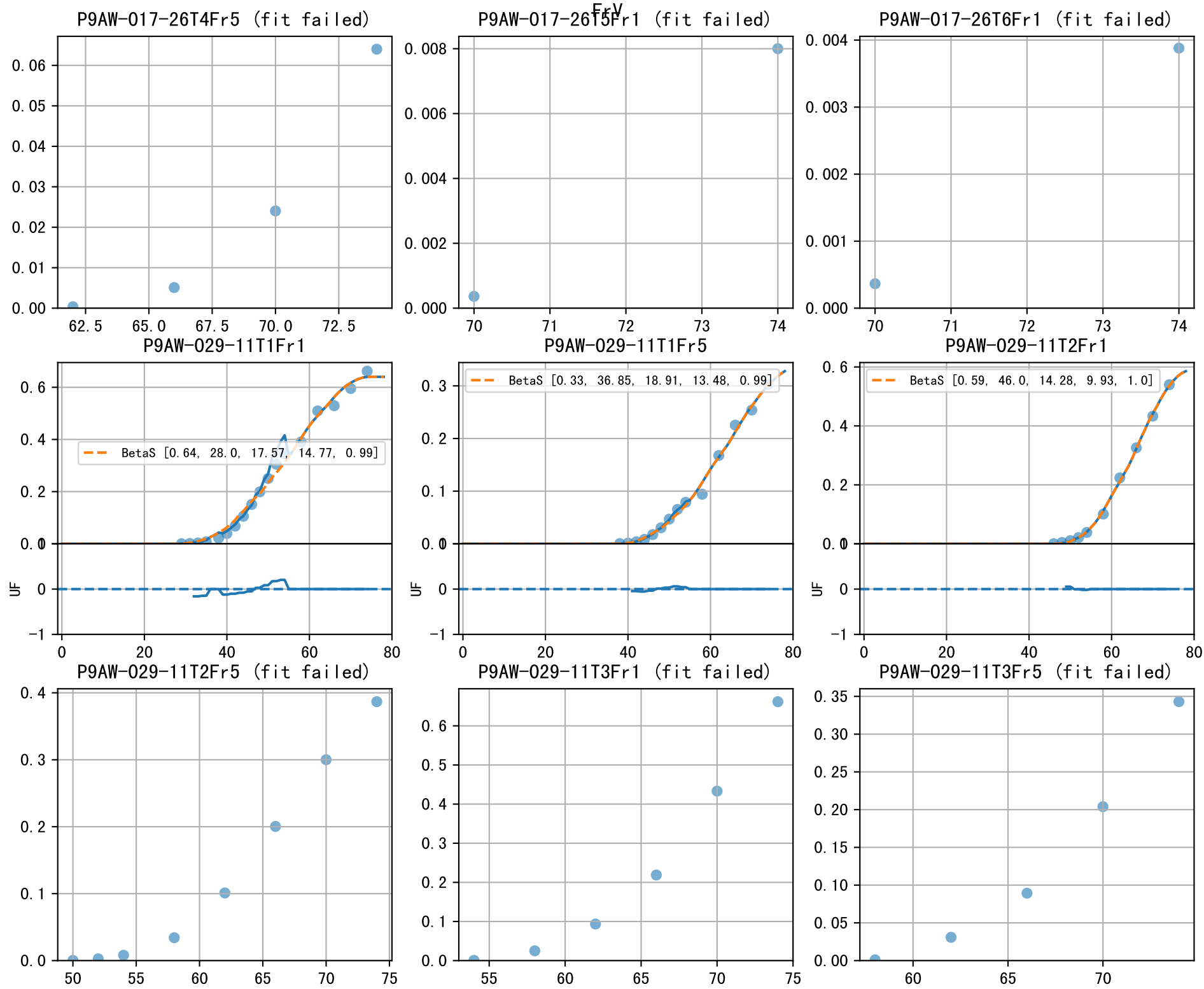


By Plant/Organ Age







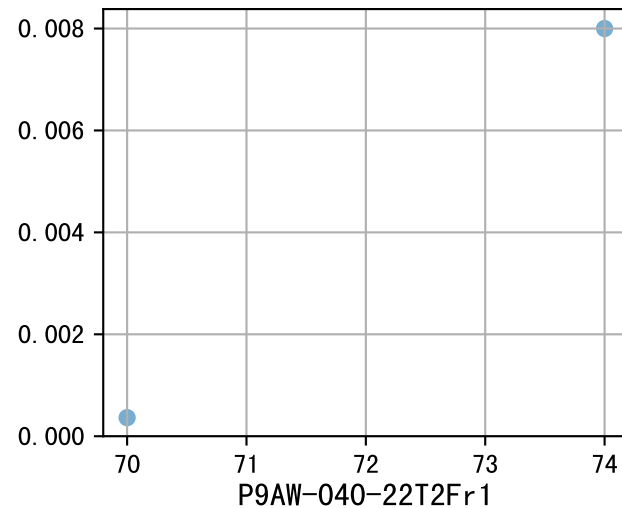
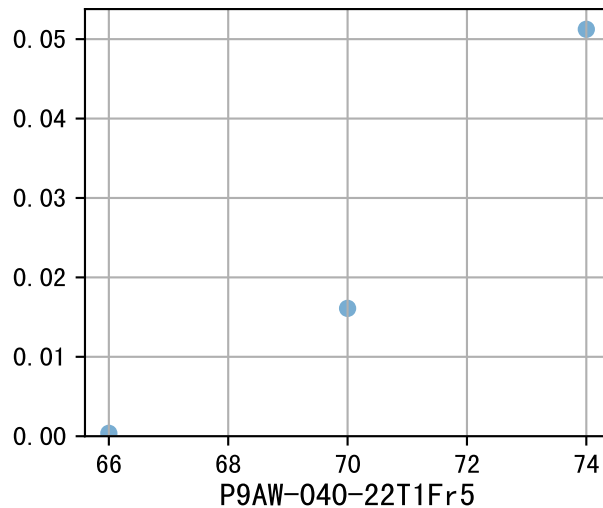
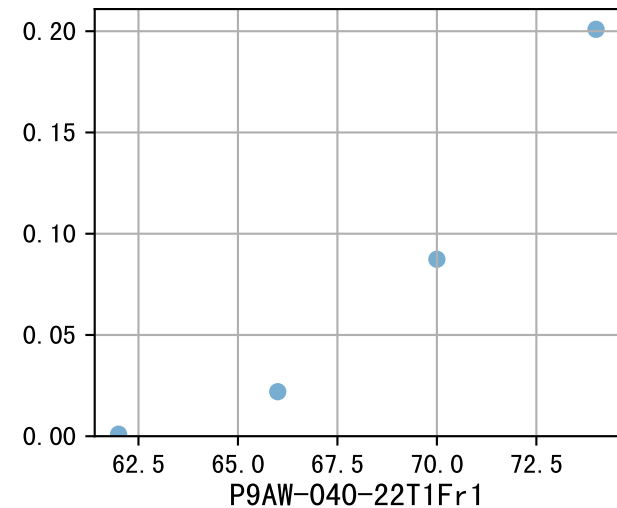


FrV

P9AW-029-11T4Fr1 (fit failed)

P9AW-029-11T4Fr5 (fit failed)

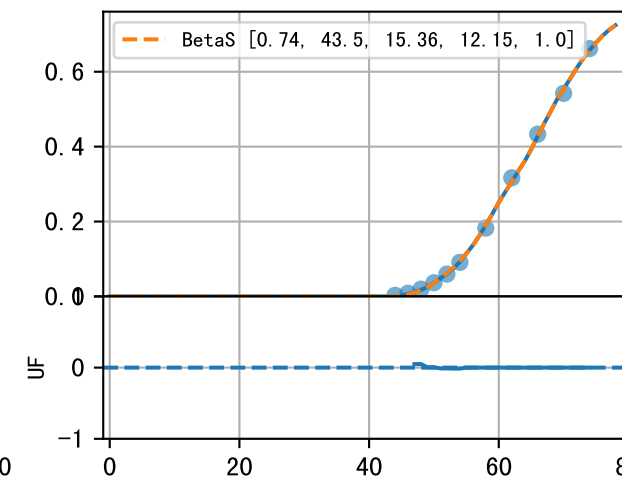
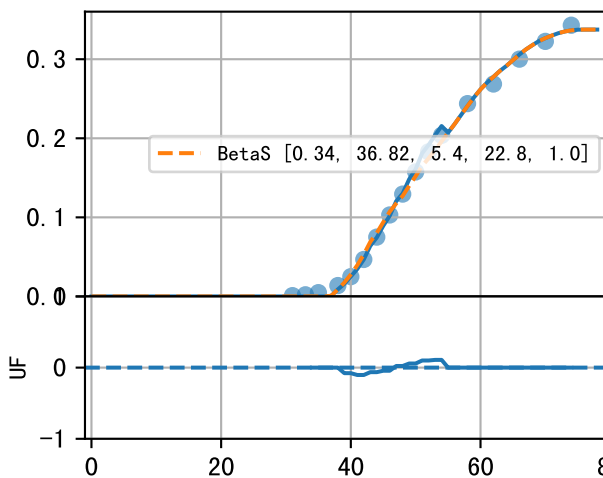
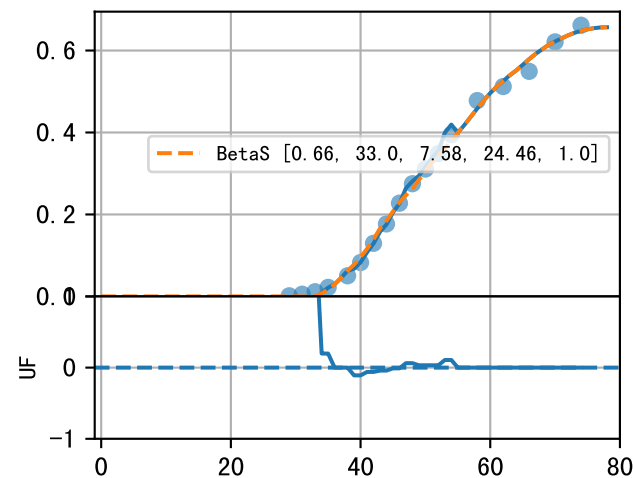
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P9AW-040-22T1Fr1

P9AW-040-22T1Fr5

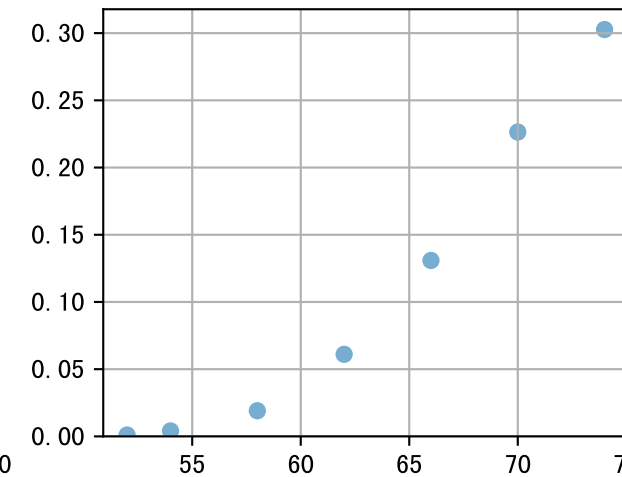
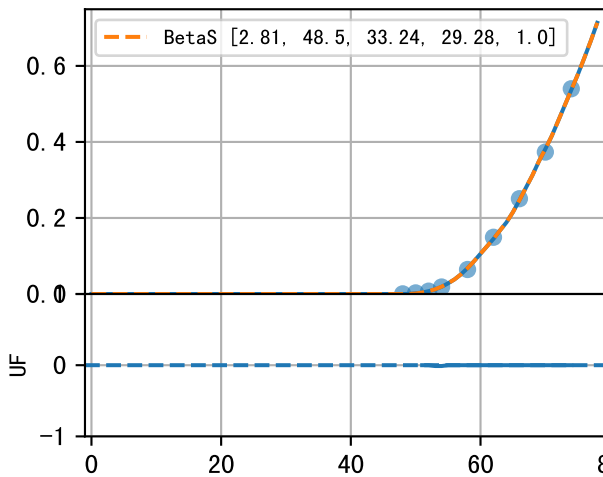
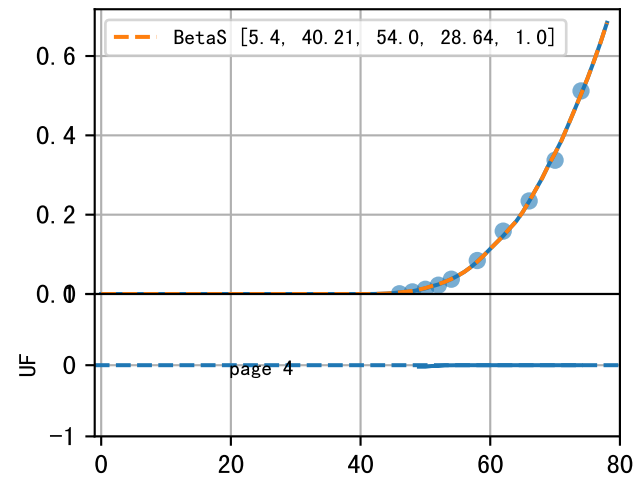
P9AW-040-22T2Fr1



P9AW-040-22T2Fr5 (fit failed)

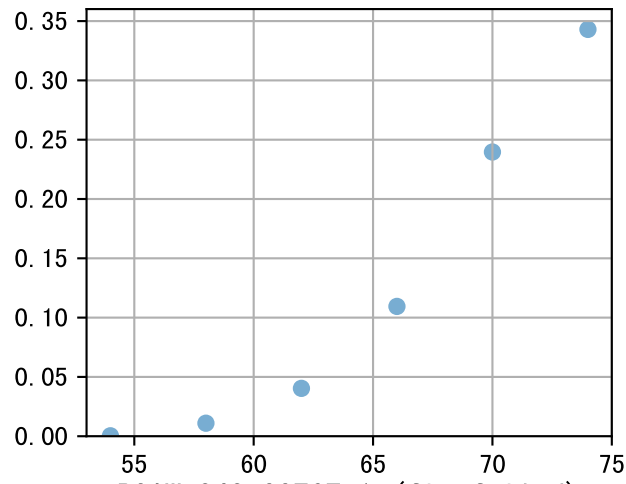
P9AW-040-22T3Fr1 (fit failed)

P9AW-040-22T3Fr5 (fit failed)

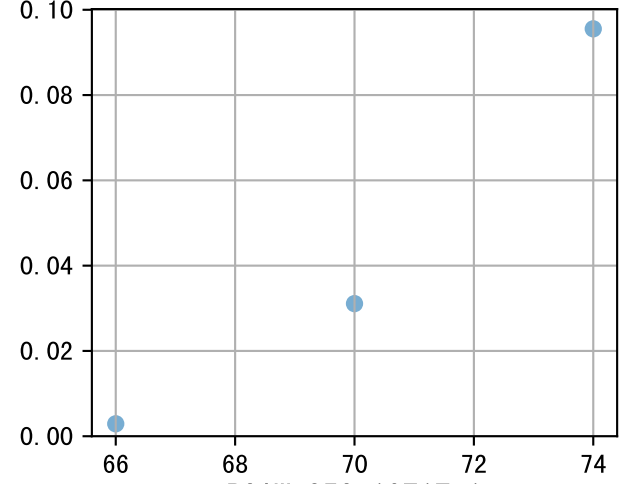


FrV

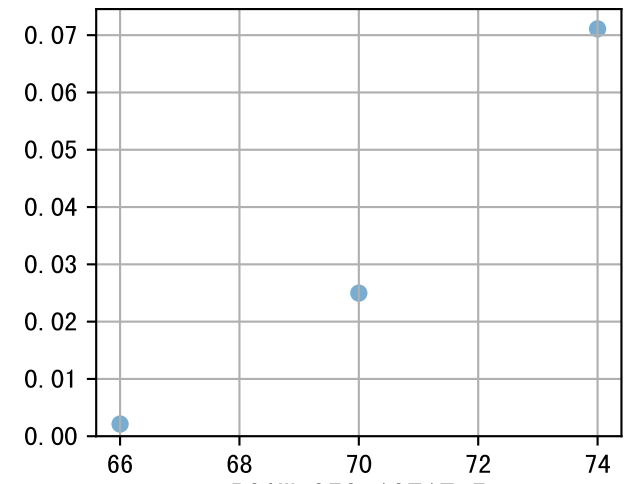
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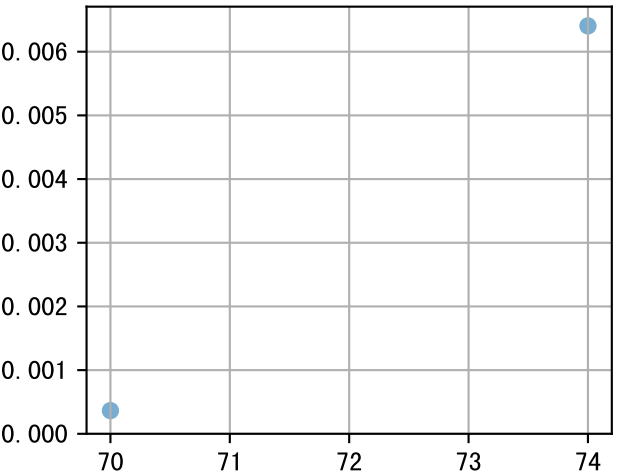
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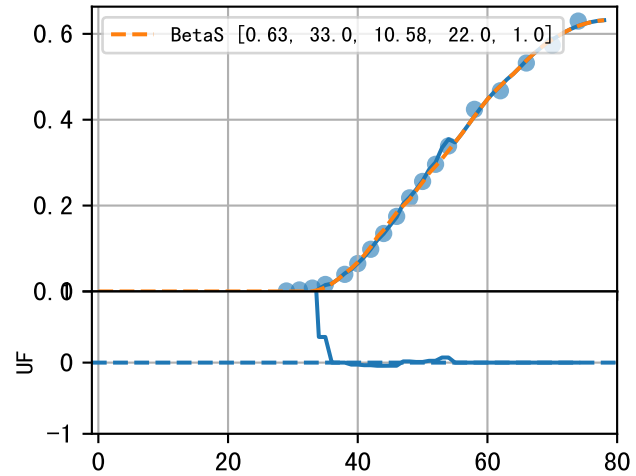
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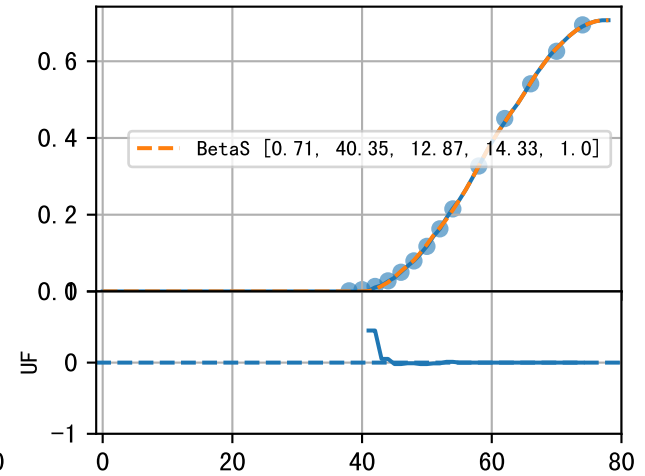
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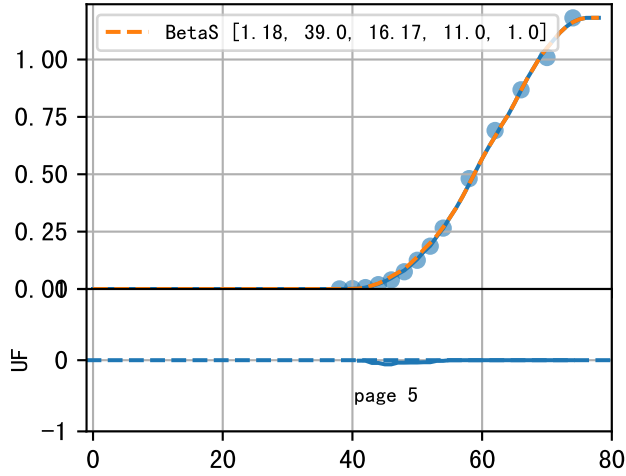
P9AW-052-18T1Fr1



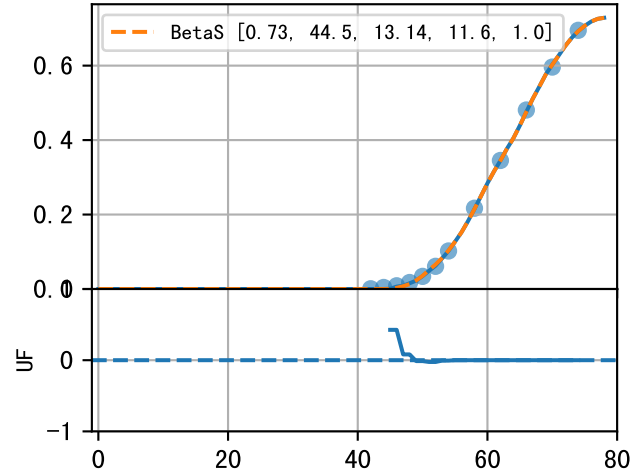
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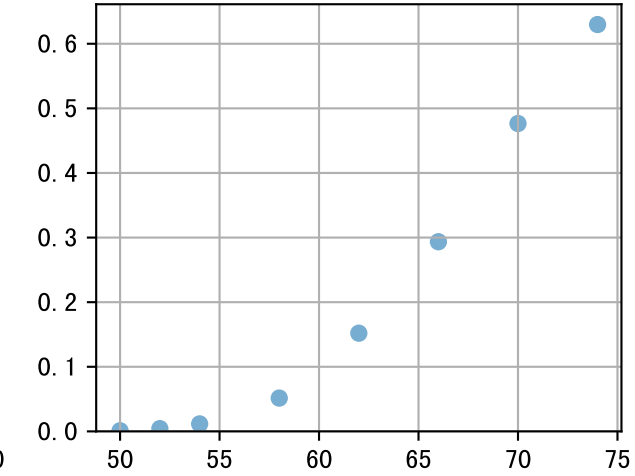
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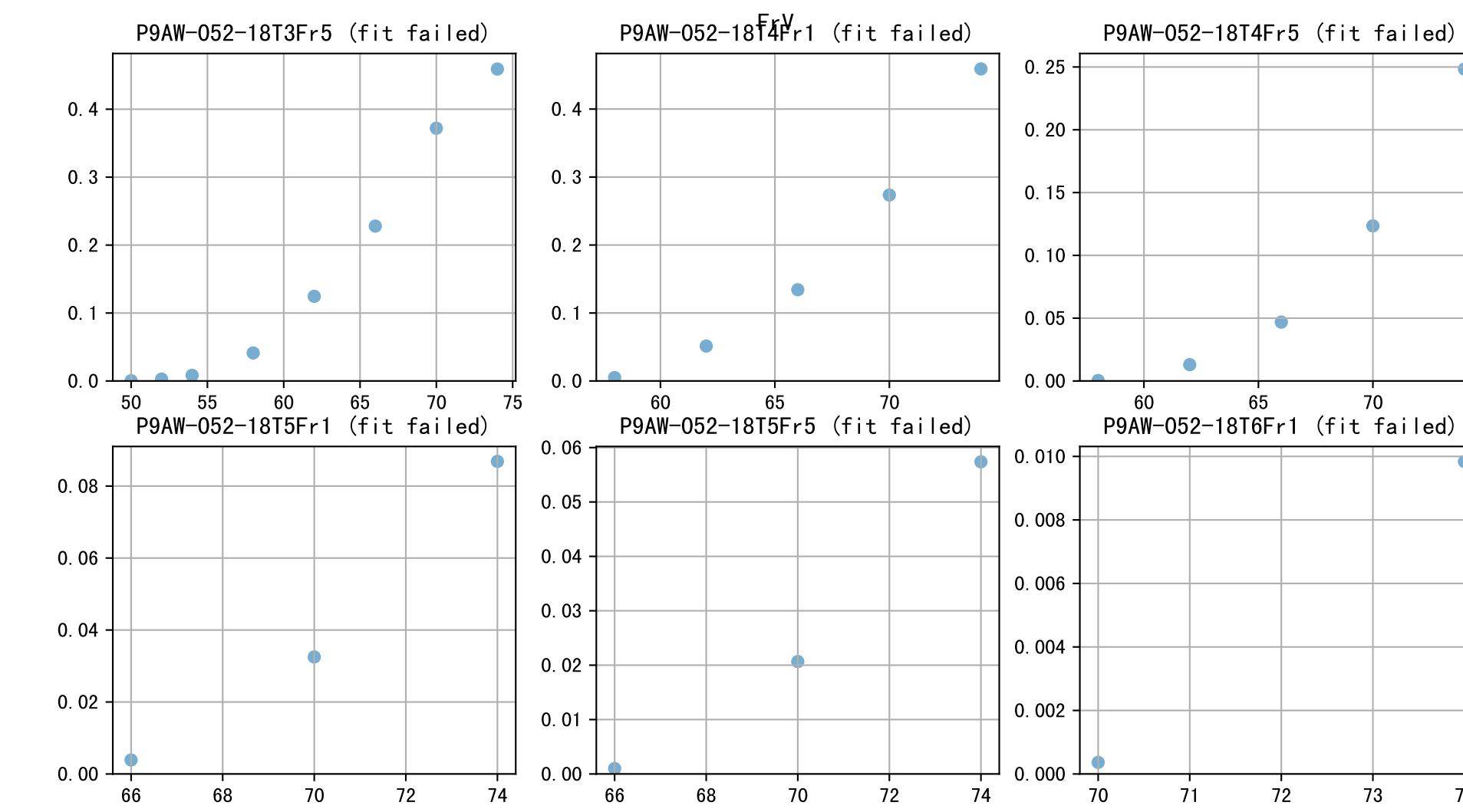


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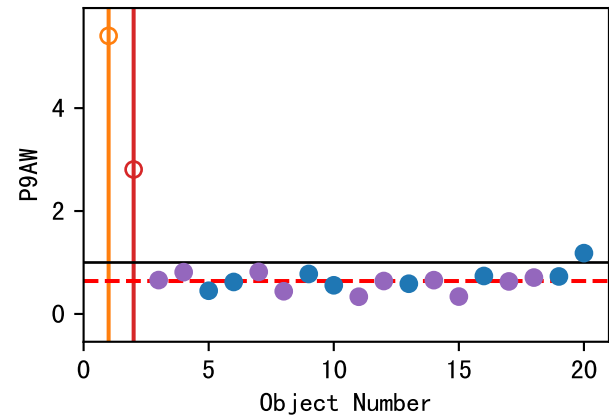


P9AW-052-18T3Fr1 (fit failed)

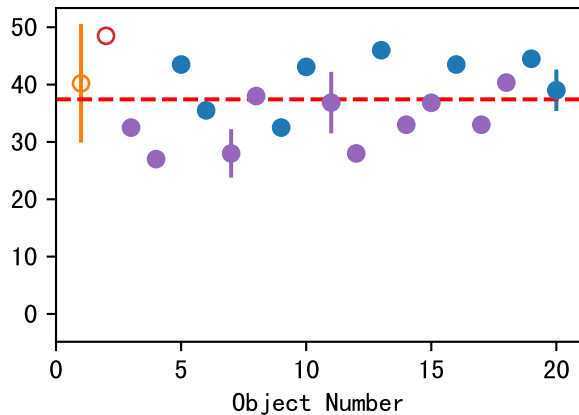




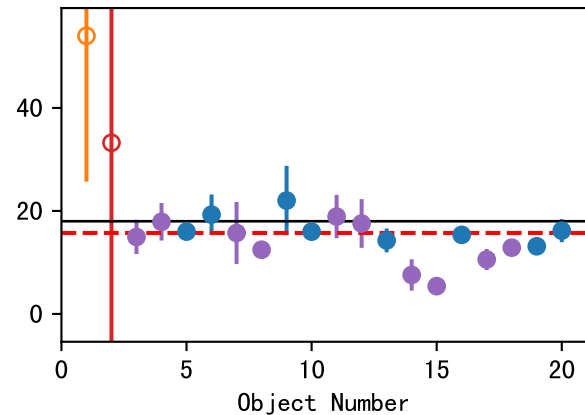
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avg1=0.64~24% avg2=na



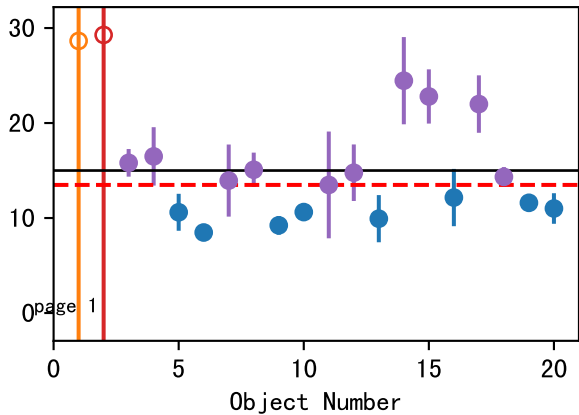
tb (Def=na Set=na)
avg1=3.17~17% avg2=na



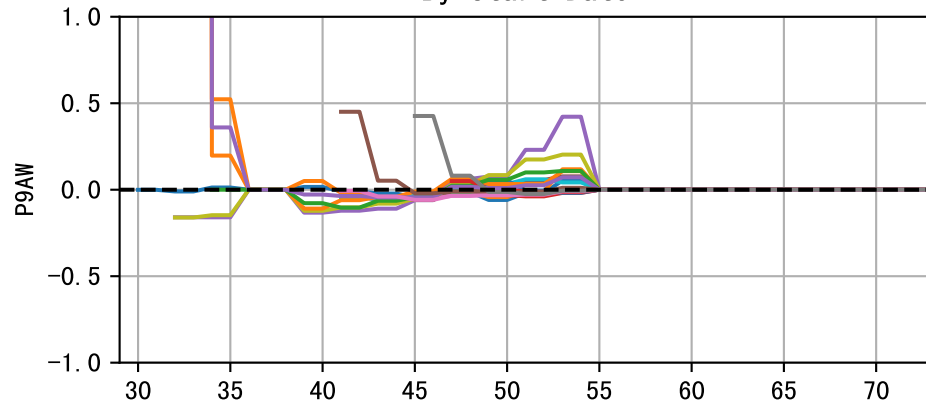
dm (Def=18 Set=15.73)
avg1=15.73~22% avg2=na



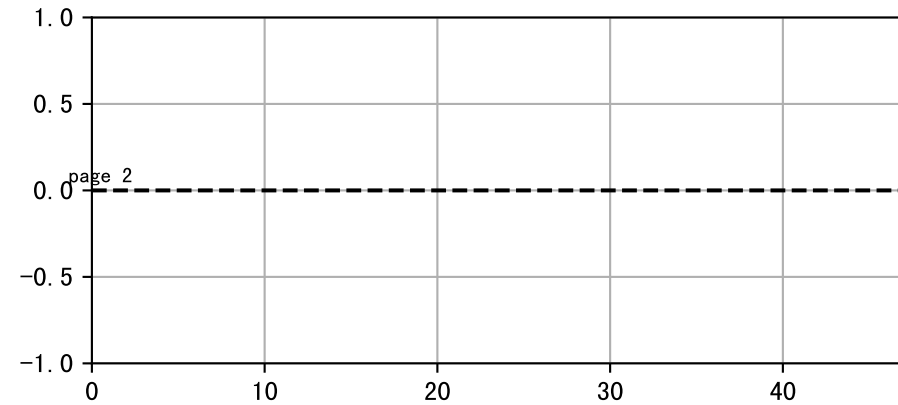
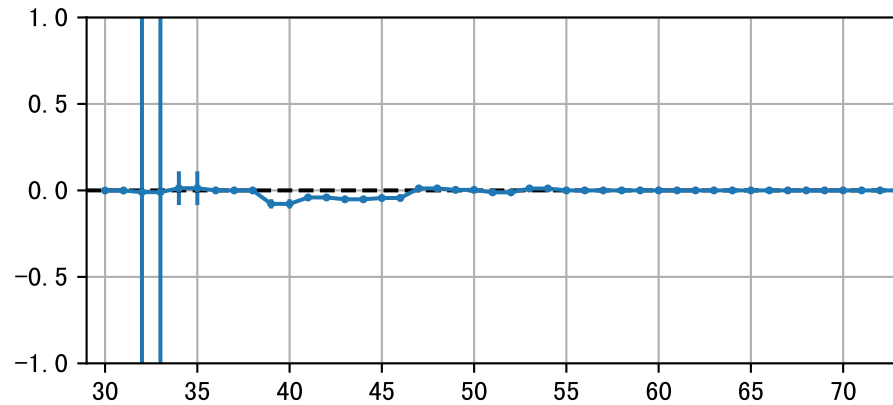
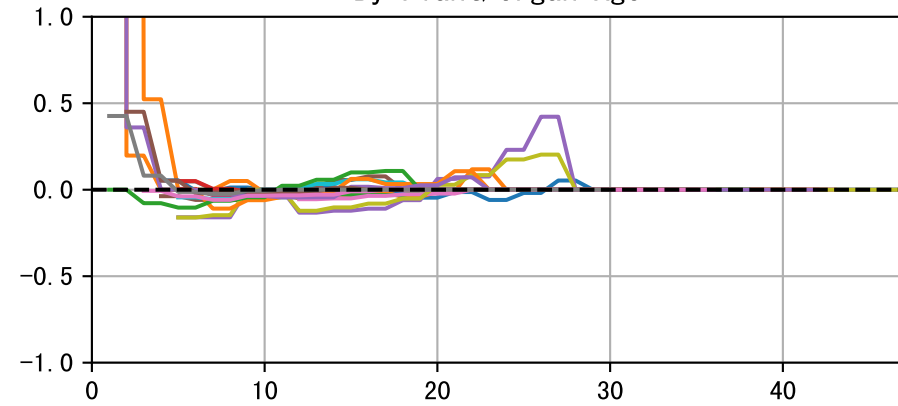
de (Def=15 Set=13.48)
avg1=13.48~30% avg2=na



By Start Date



By Plant/Organ Age

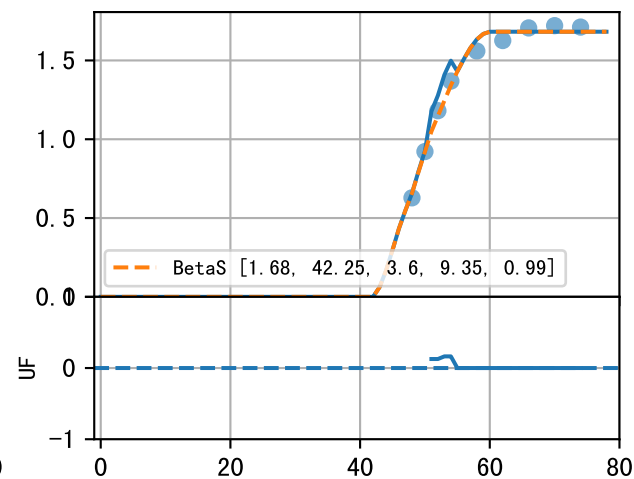
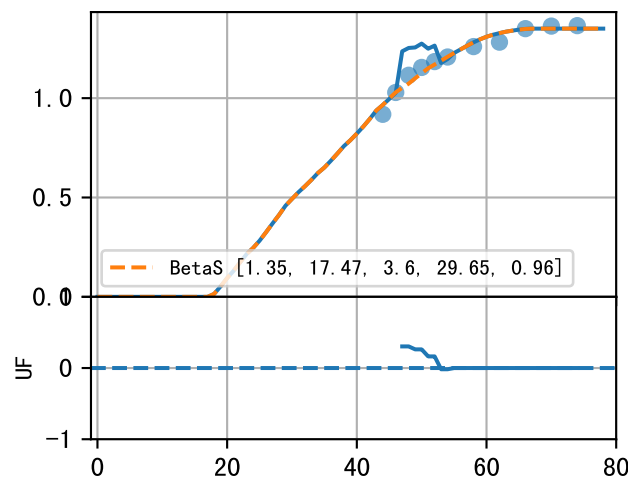
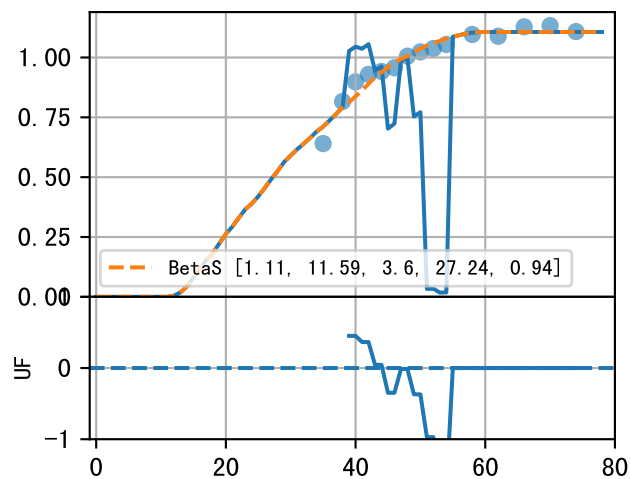


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P9AW-005-13L11 (fit failed)

P9AW-005-13L14 (fit failed)

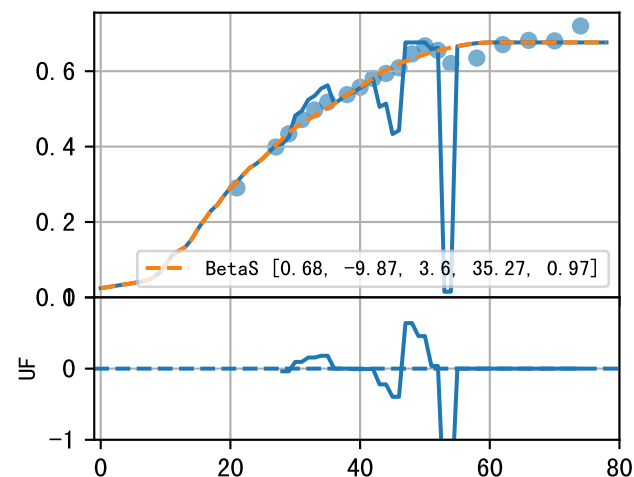
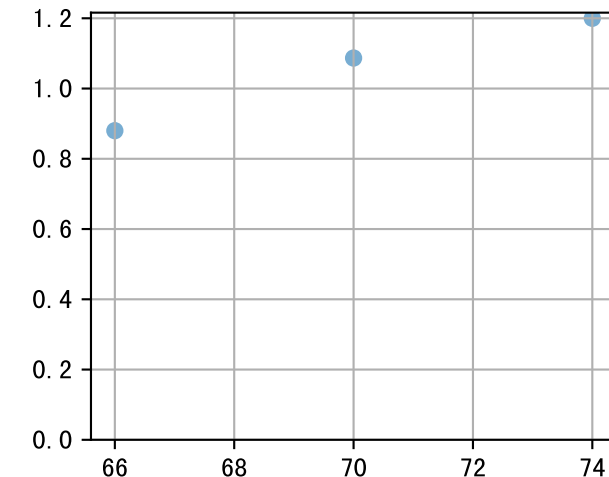
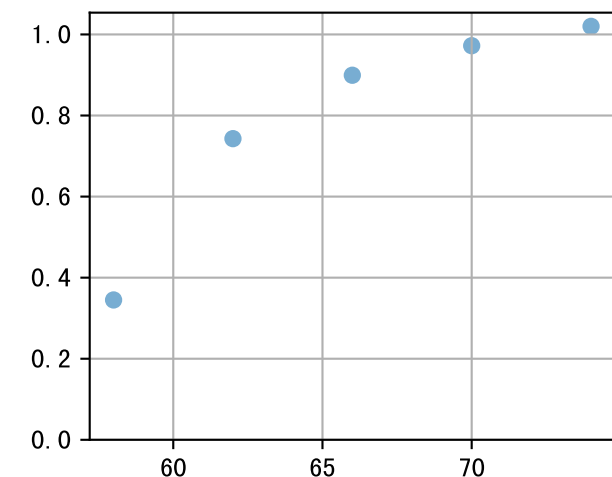
P9AW-005-13L17 (fit failed)



P9AW-005-13L20 (fit failed)

P9AW-005-13L23 (fit failed)

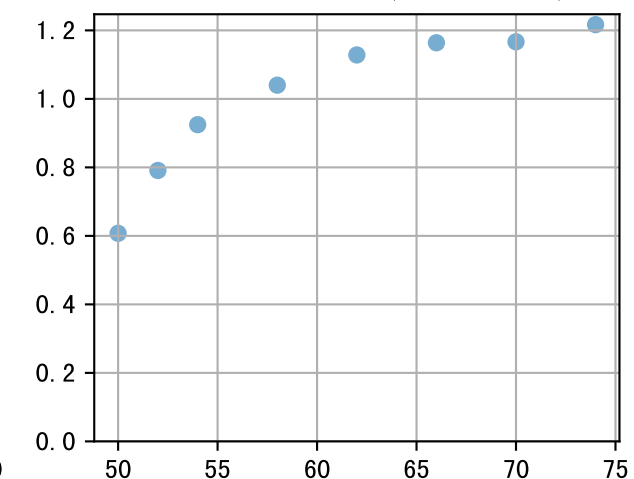
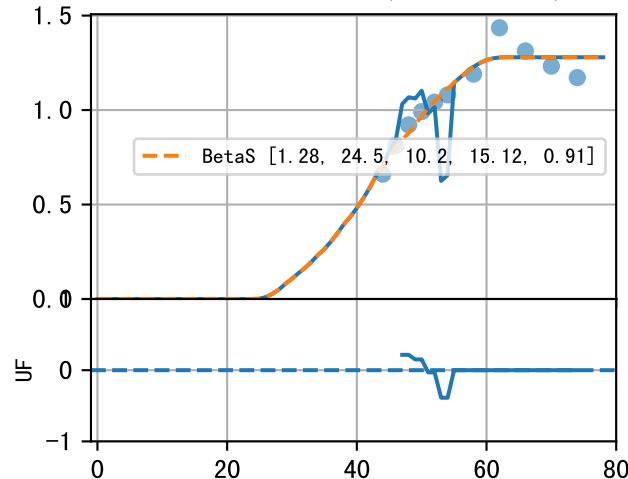
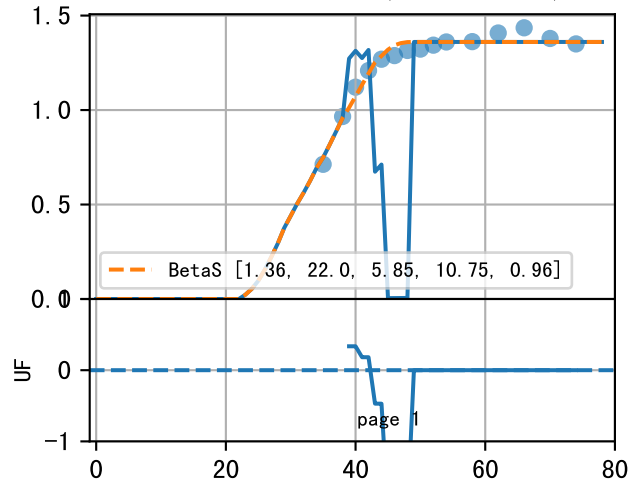
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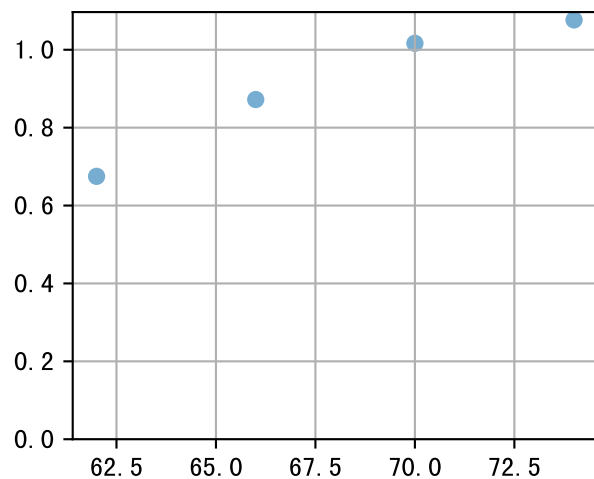
P9AW-017-26L10 (fit failed)

P9AW-017-26L13 (fit failed)

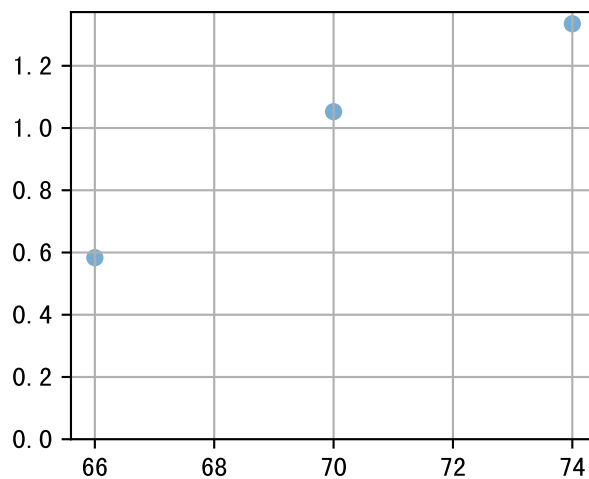
P9AW-017-26L16 (fit failed)



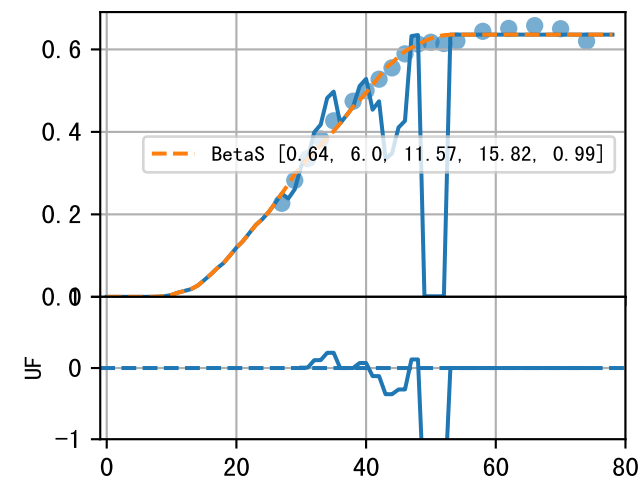
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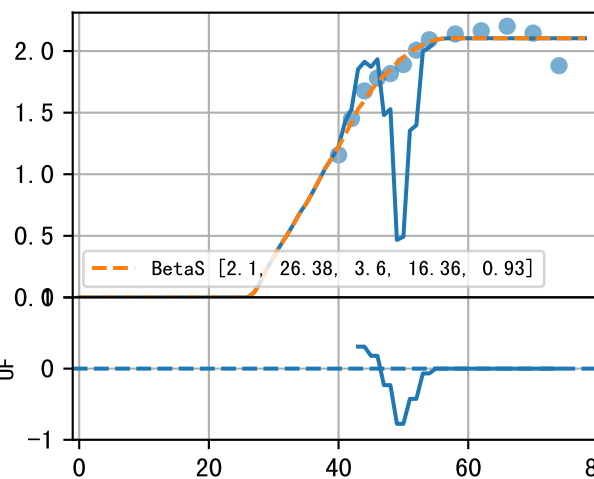
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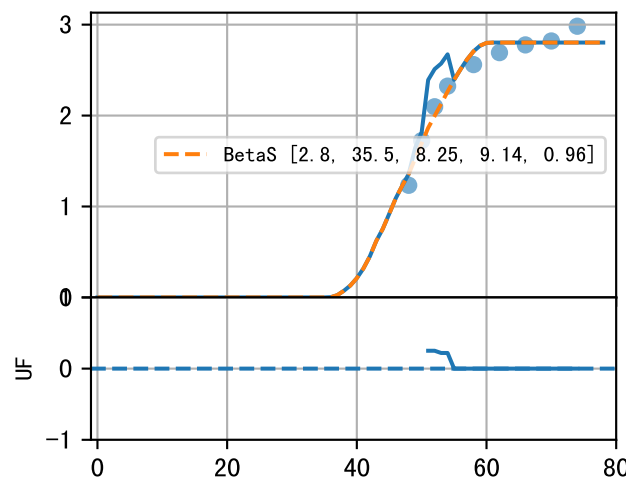
P9AW-017-26L7



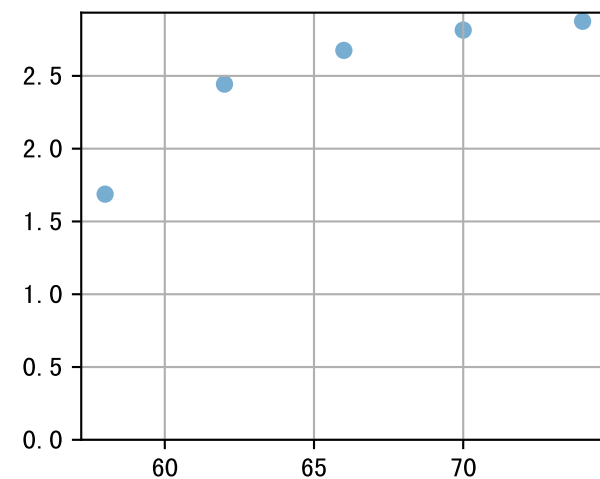
P9AW-029-11L12 (fit failed)



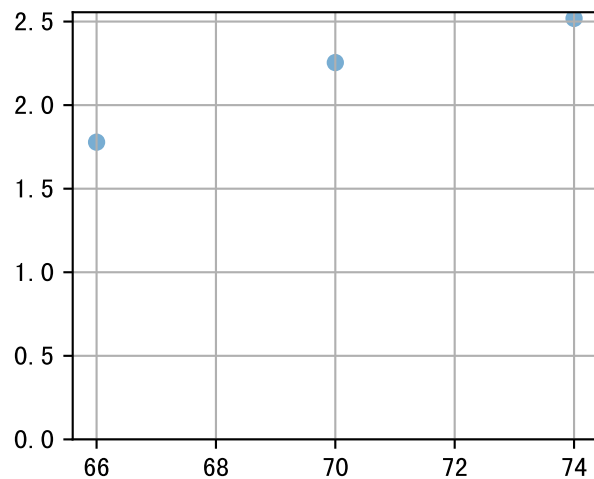
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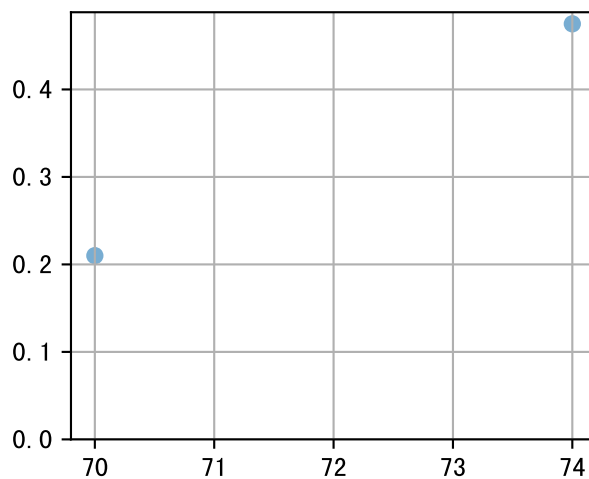
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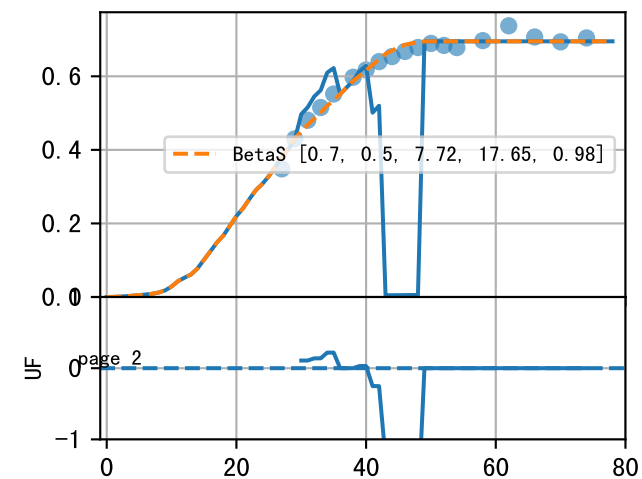
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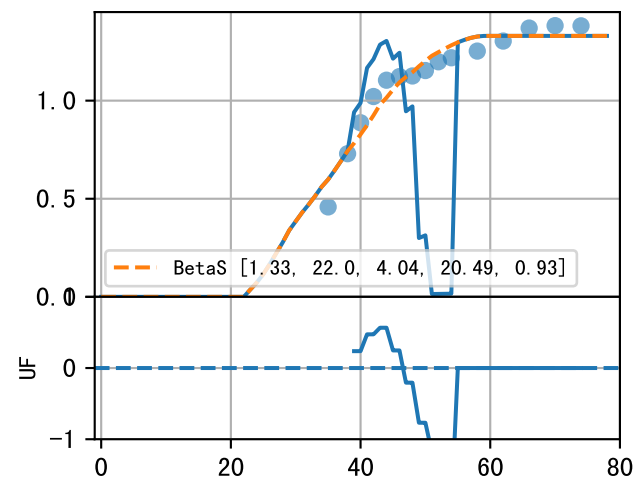
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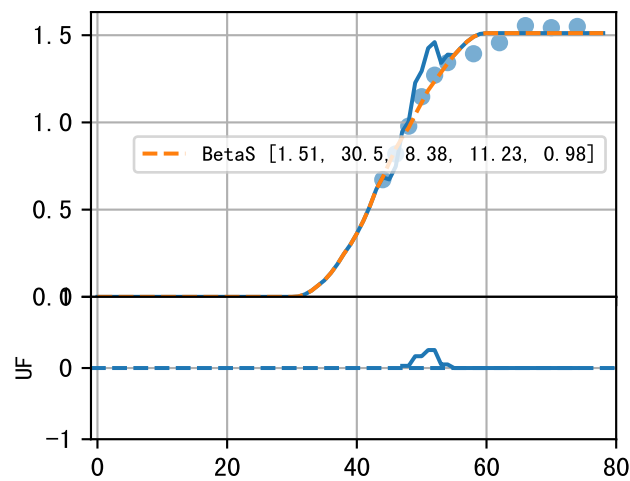
P9AW-029-11L7 (fit failed)



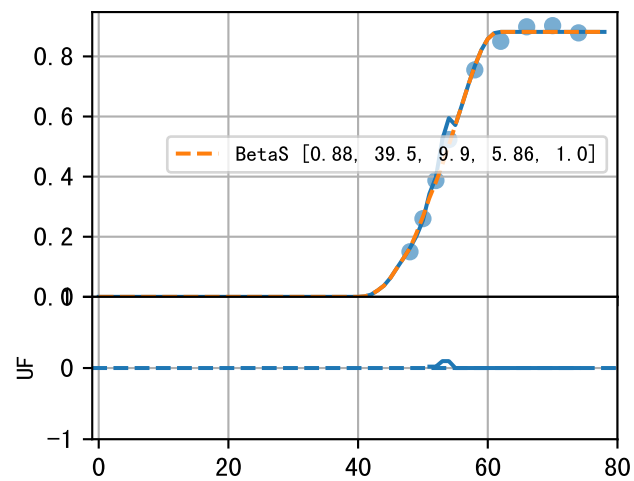
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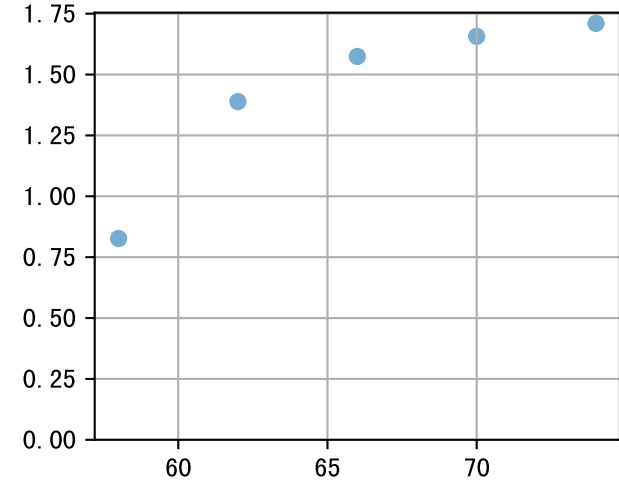
P9AW-040-22L13



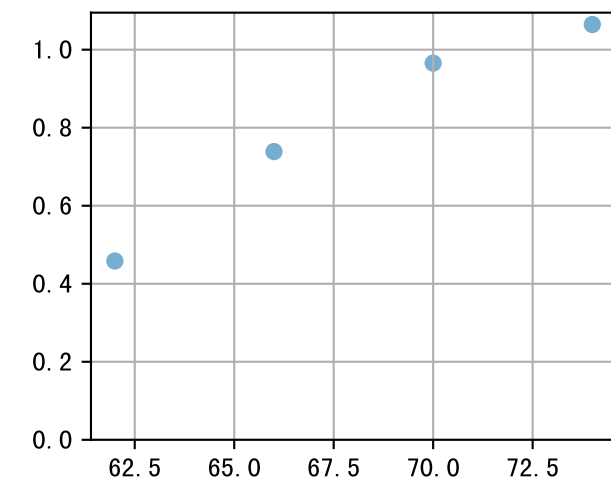
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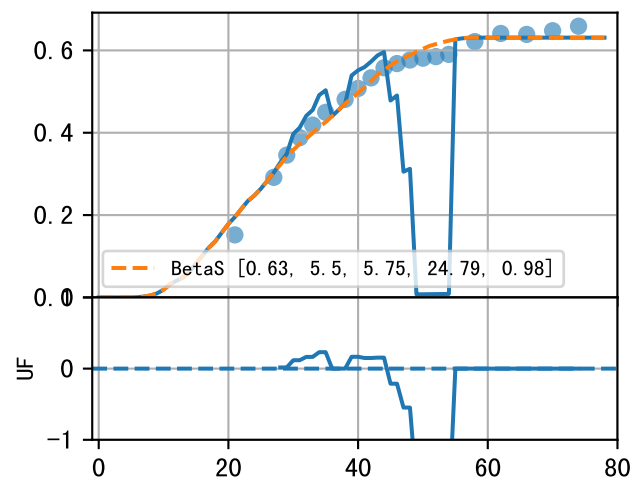
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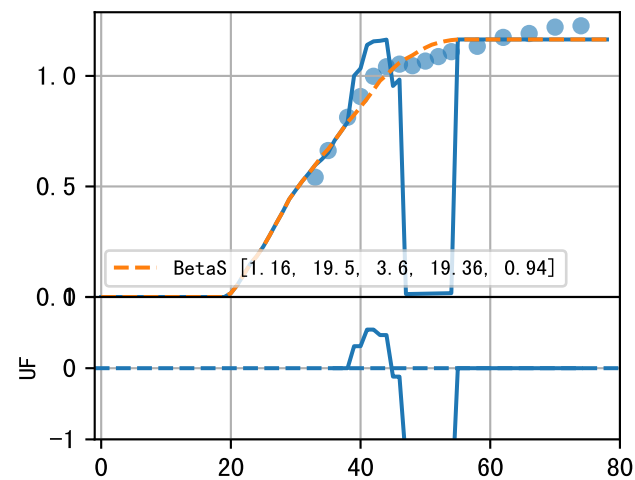
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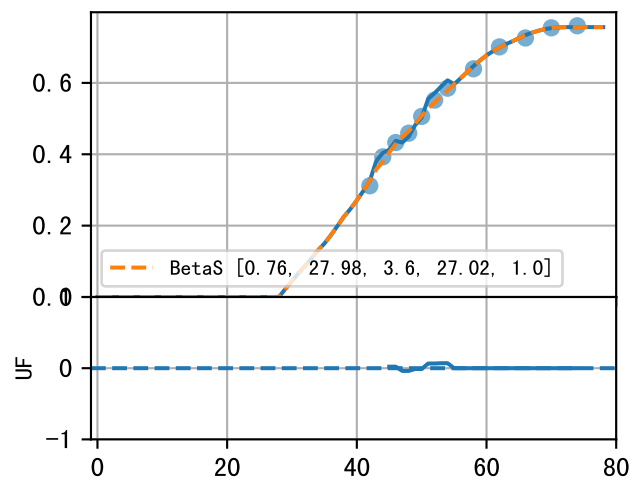
P9AW-040-22L7 (fit failed)



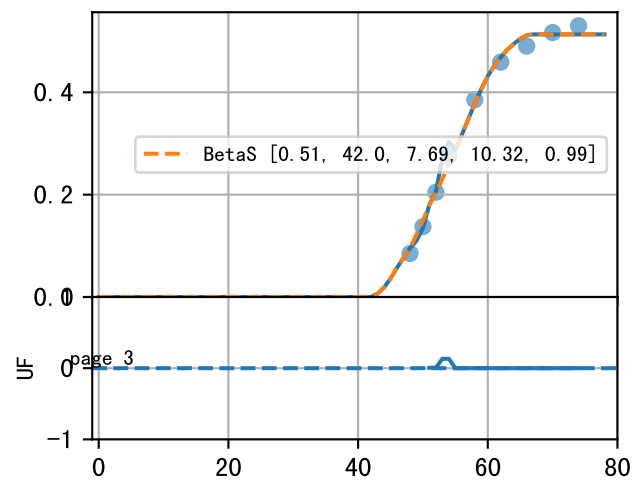
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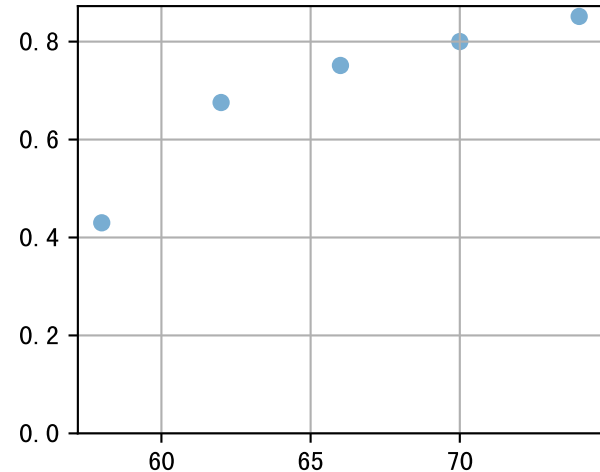
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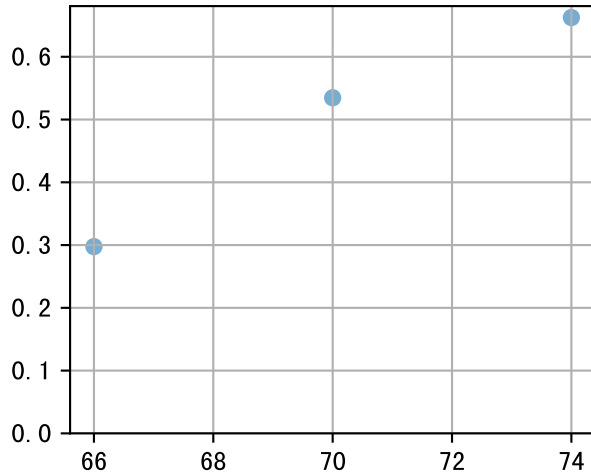
P9AW-052-18L17



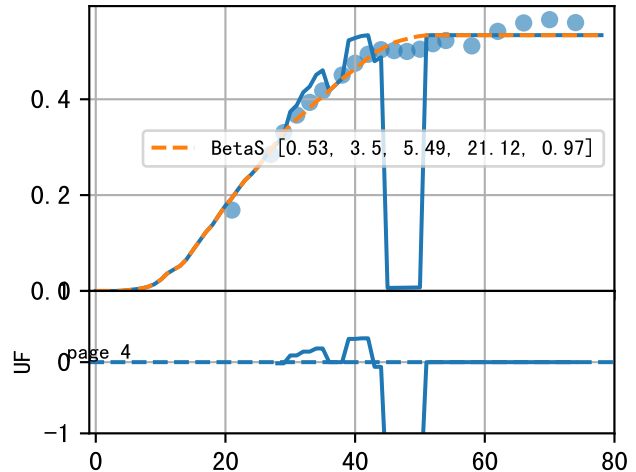
P9AW-052-18L19 (fit failed)

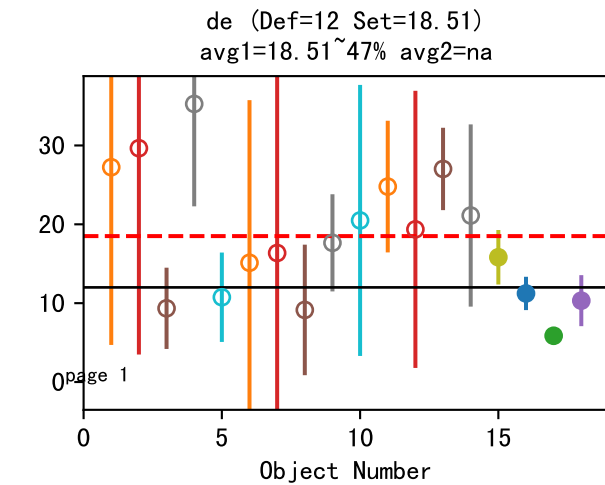
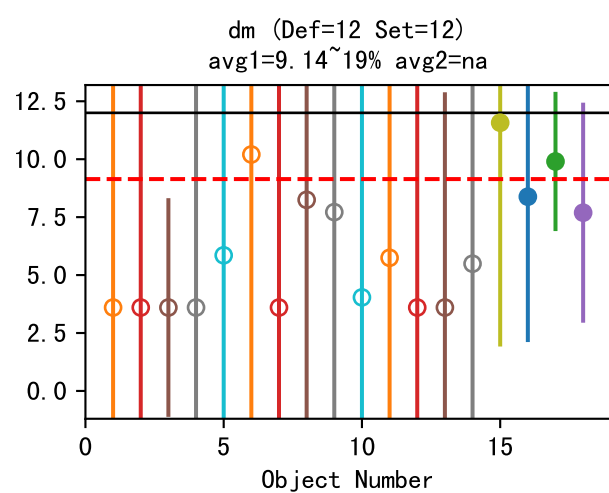
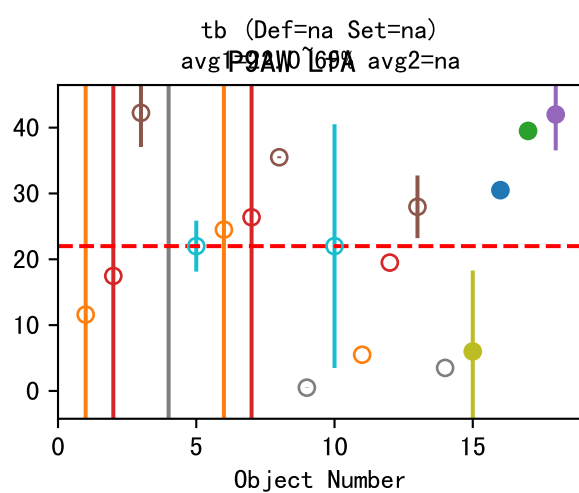
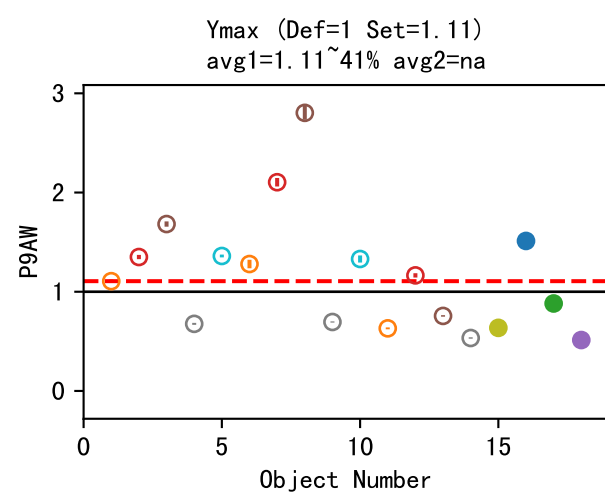


P9AW-052-18L22 (fit failed)

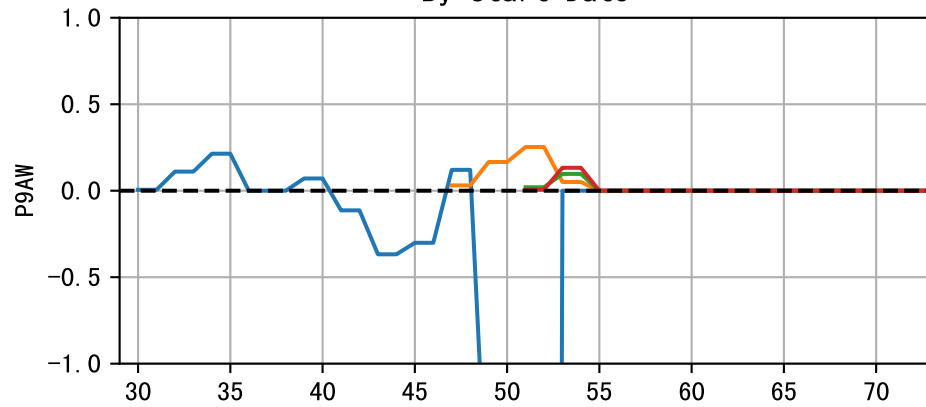


P9AW-052-18L7 (fit failed)

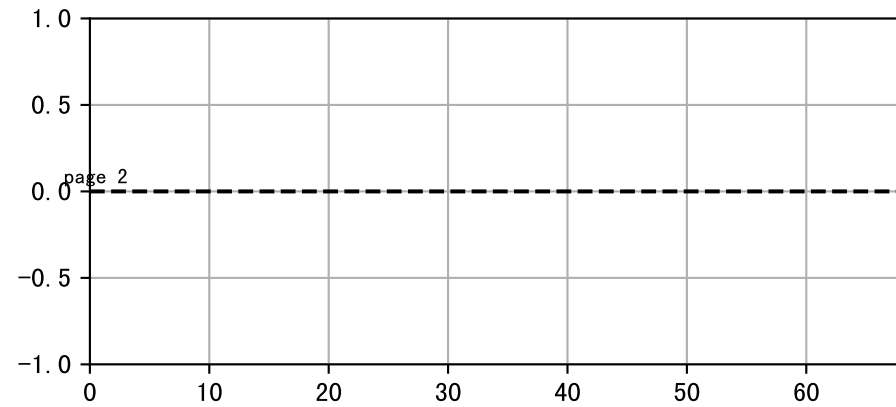
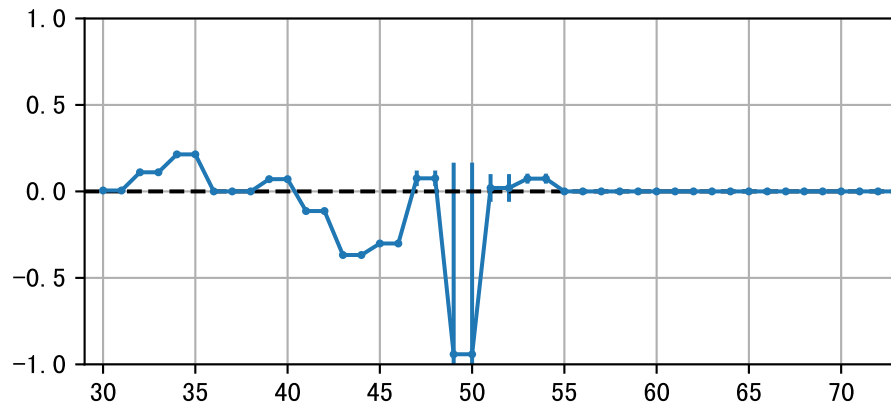
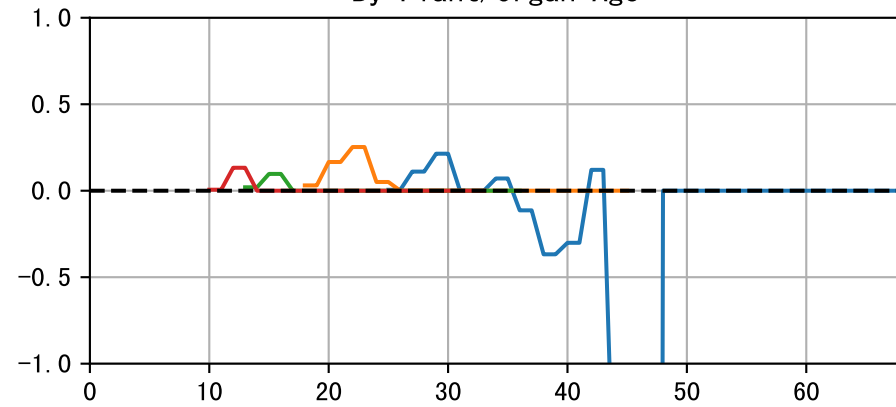


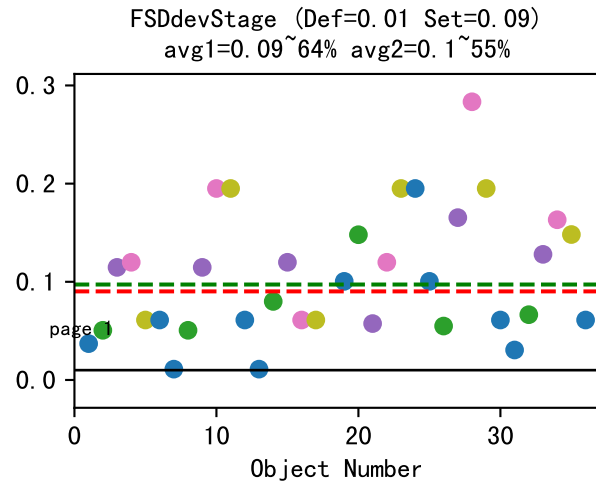
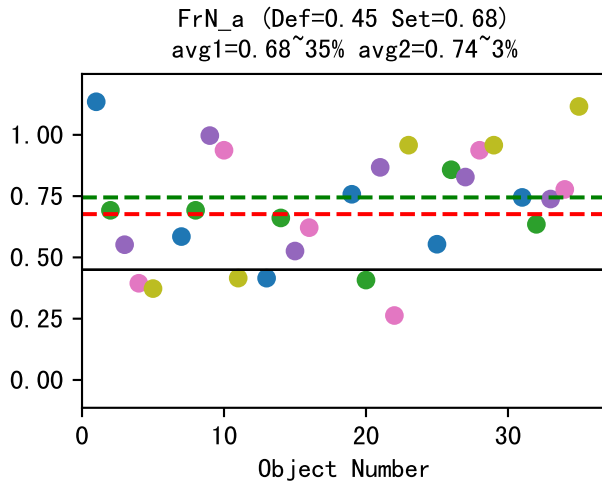
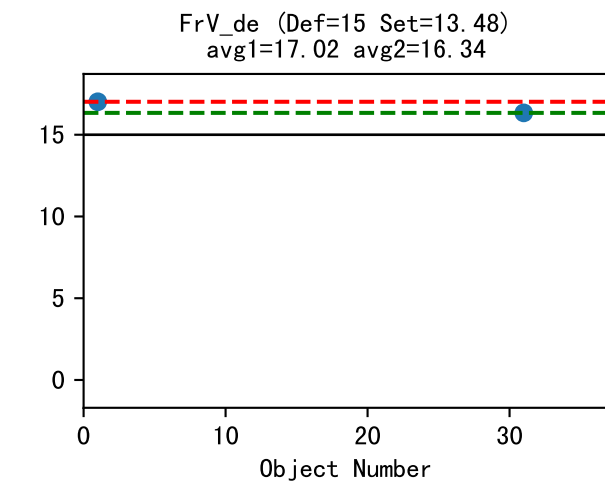
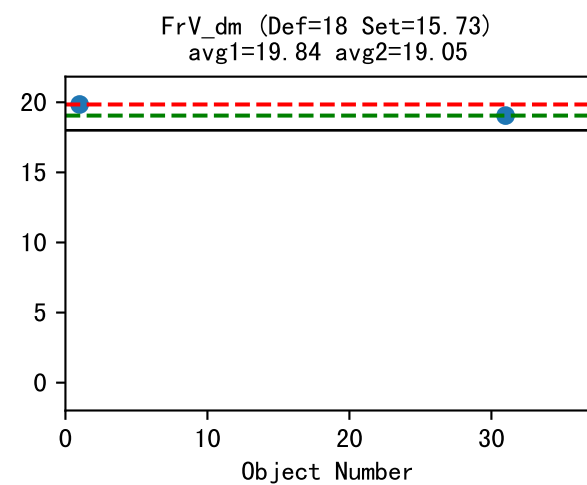
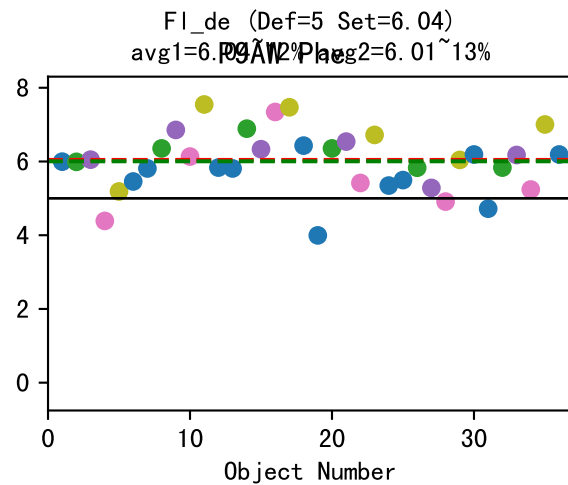
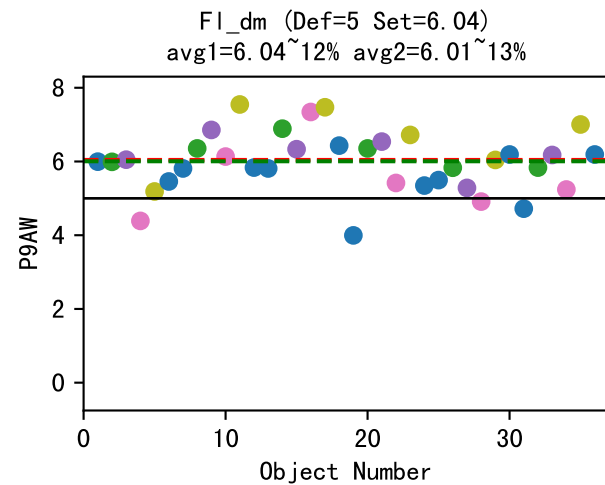


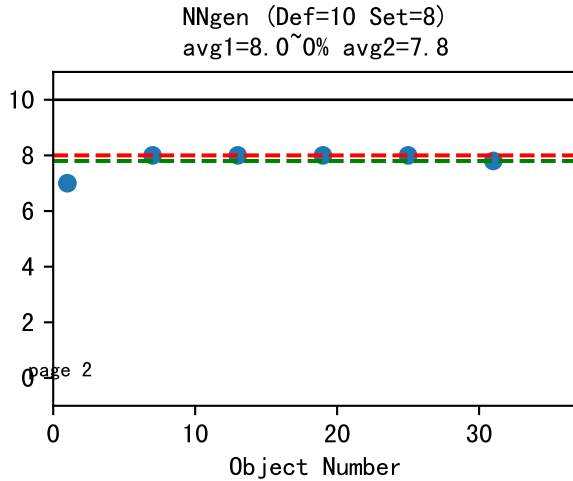
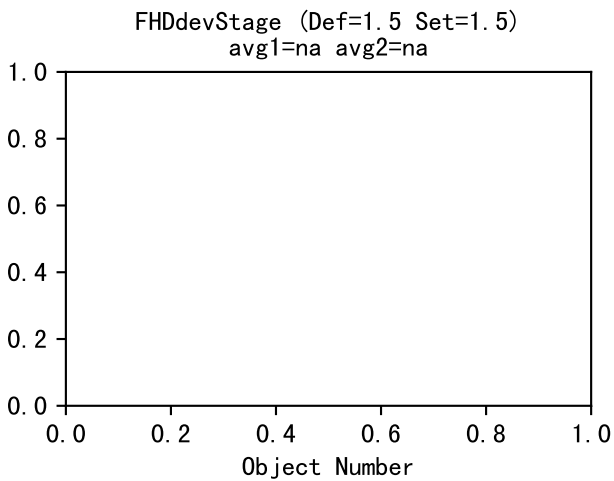
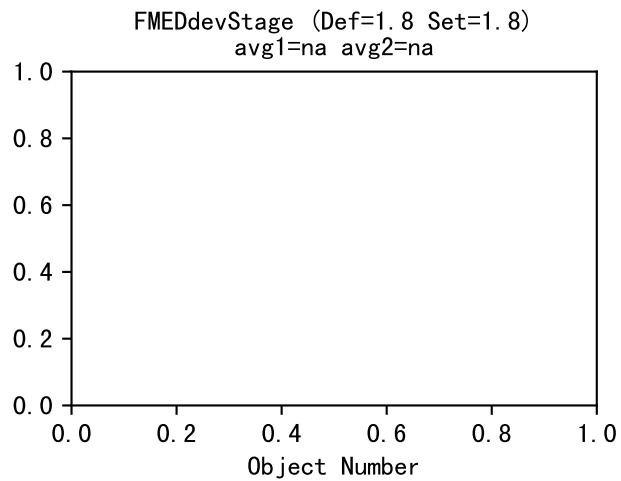
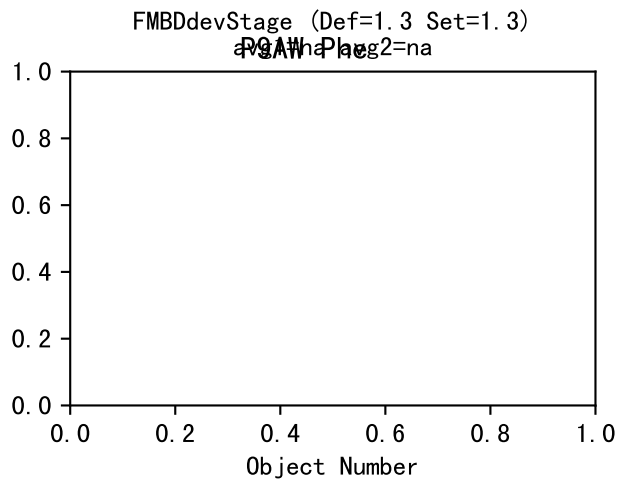
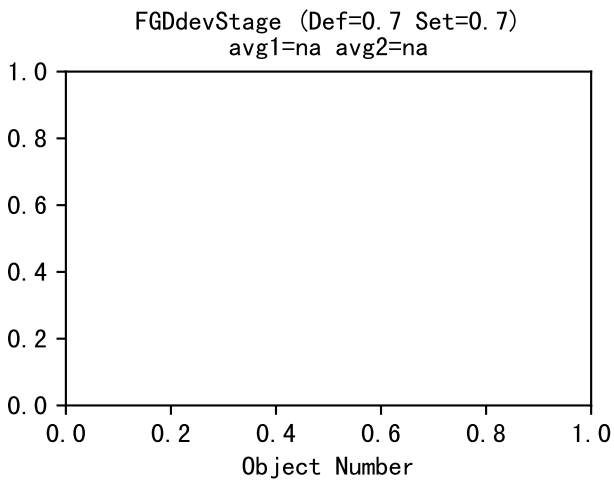
By Start Date



By Plant/Organ Age

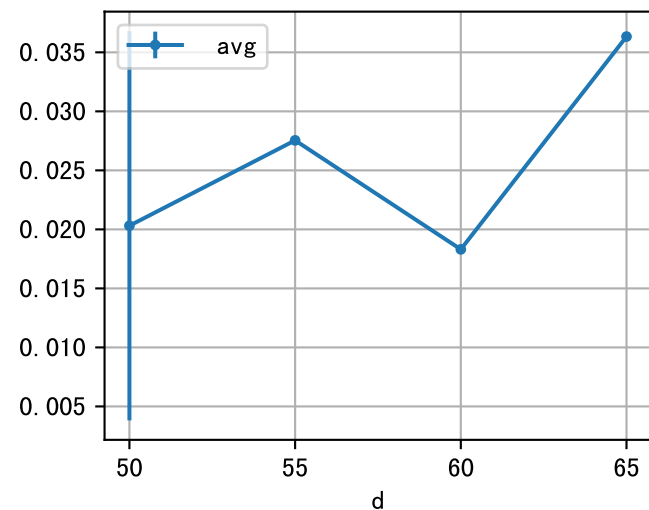




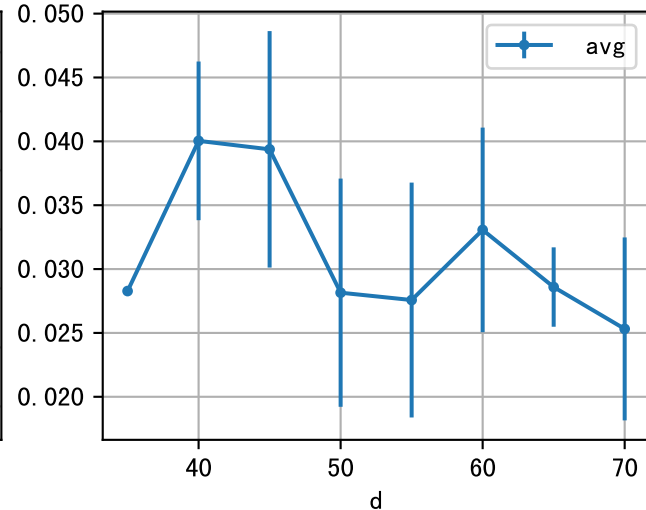


LfA: avg vs. d at each age group

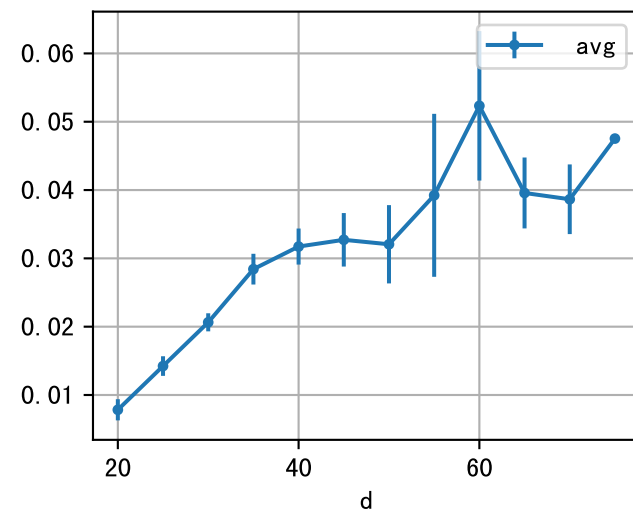
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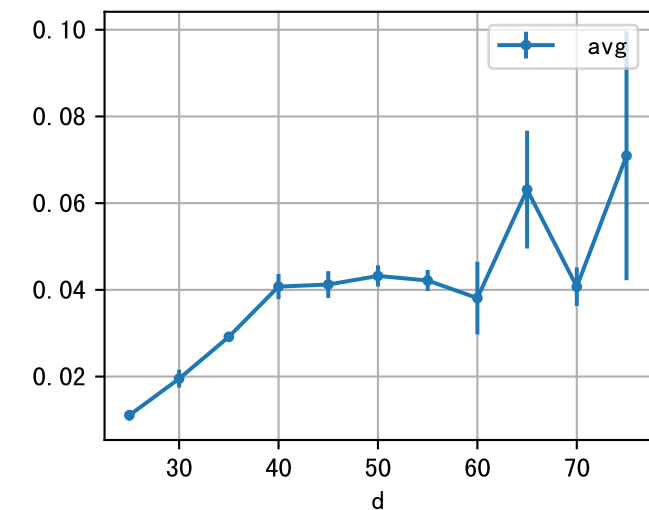
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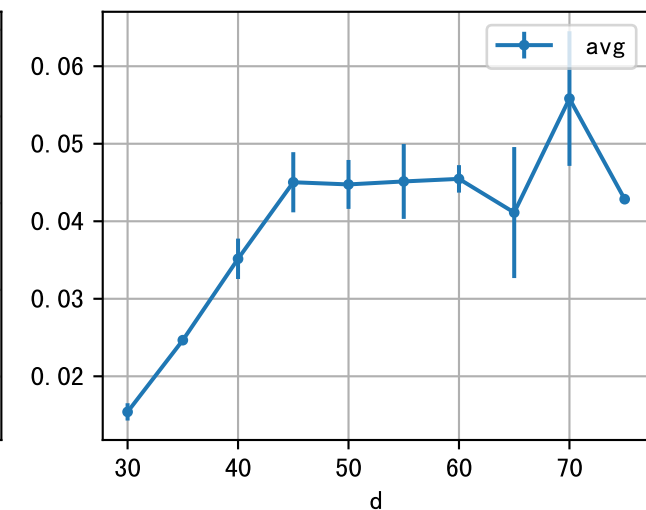
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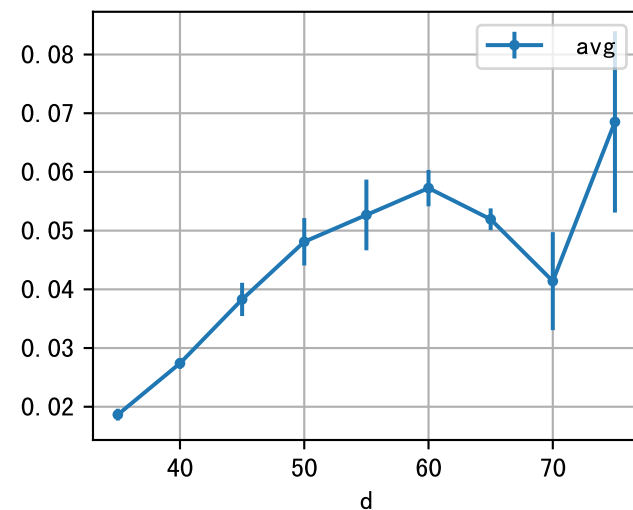
age=30



age=35

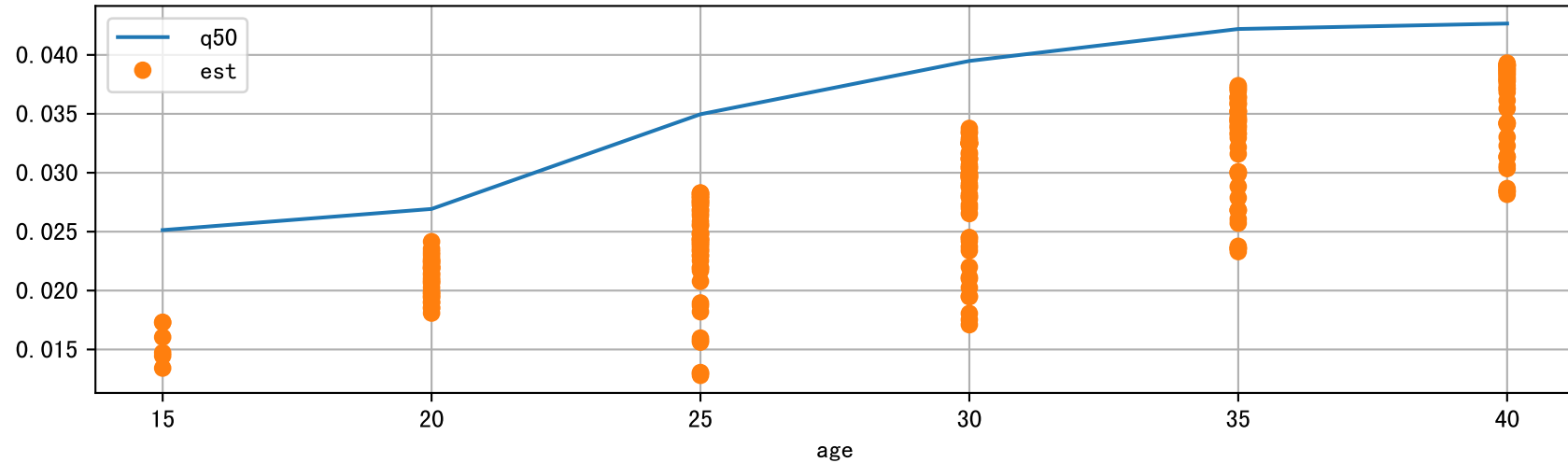


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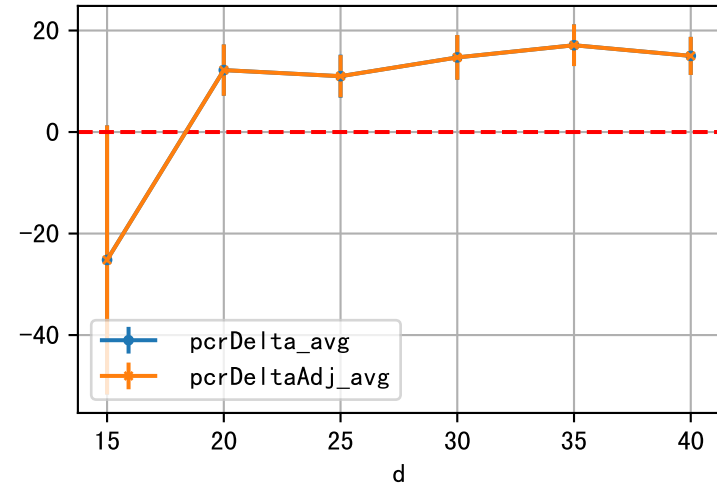
LfA: model est vs obs0v@Q50

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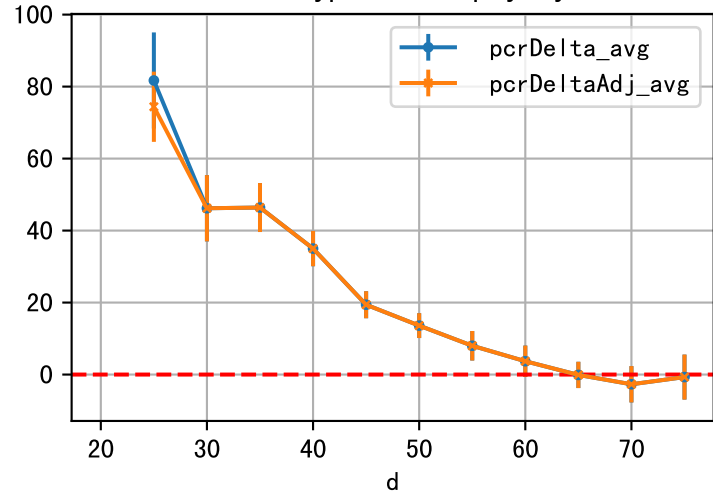


P9AW LfA: D_5d_LfA

DeltaTypeAbbr=GrpByAge

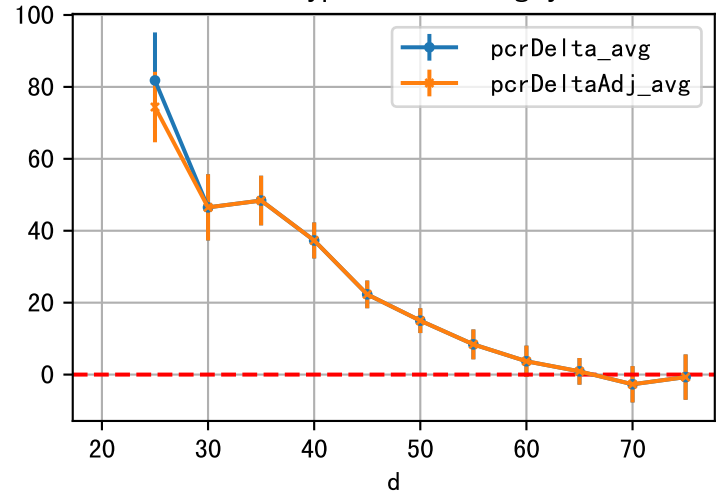


DeltaTypeAbbr=GrpByDay



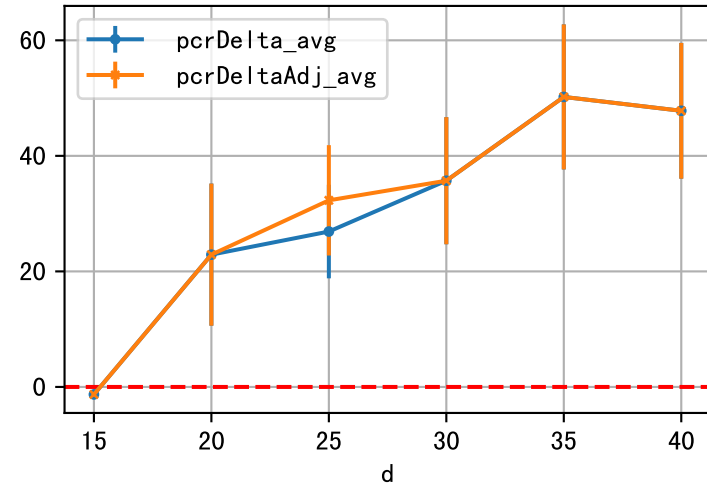
page 3

DeltaTypeAbbr=Wei AvgByD

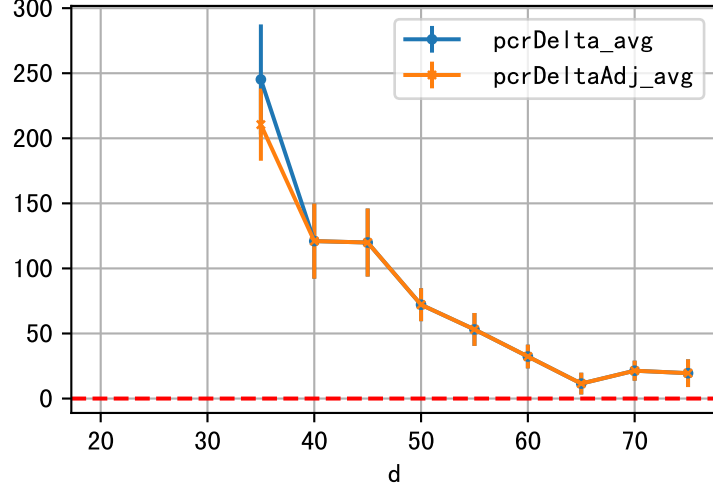


P9AW LfA: D_15d_LfA

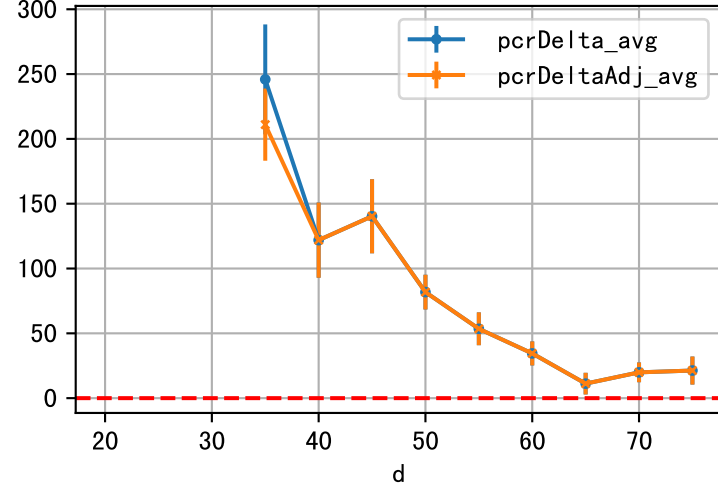
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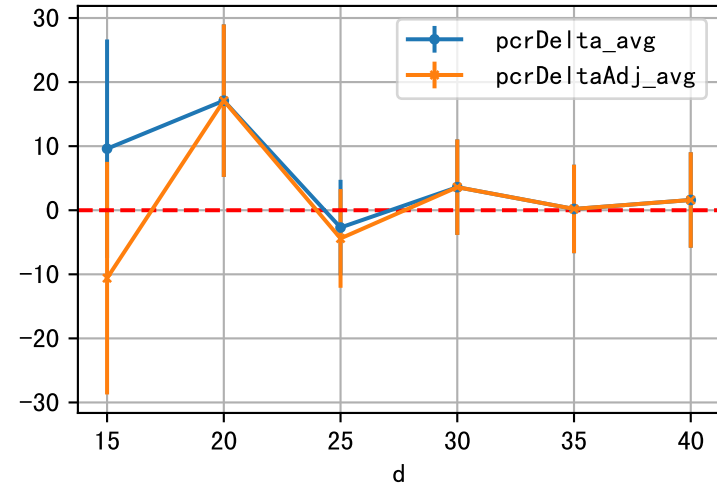
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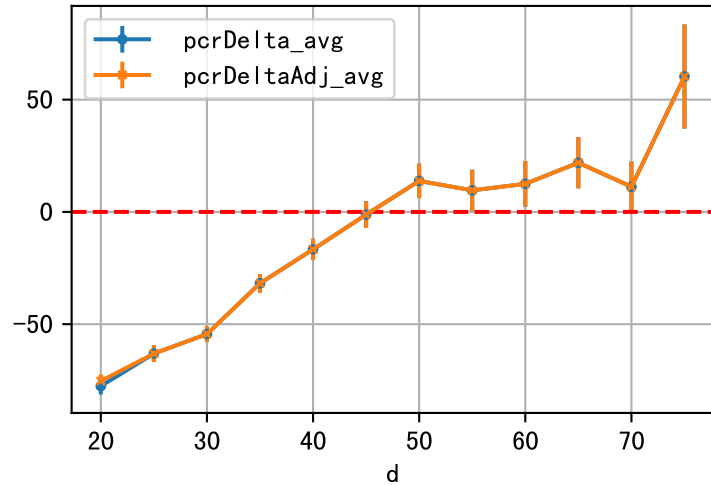
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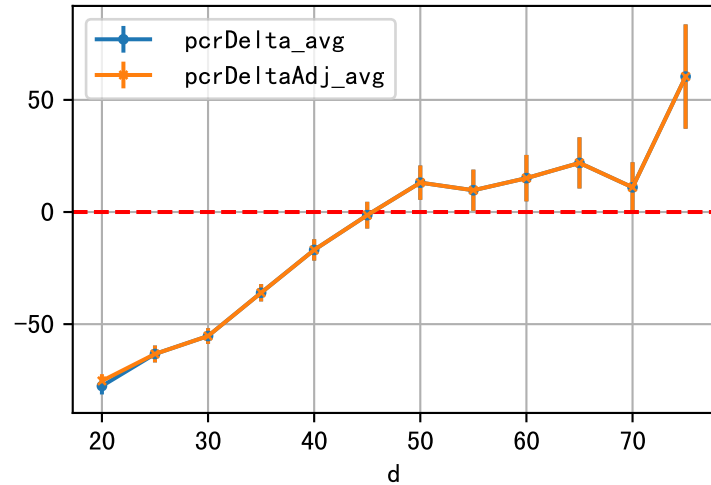
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DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

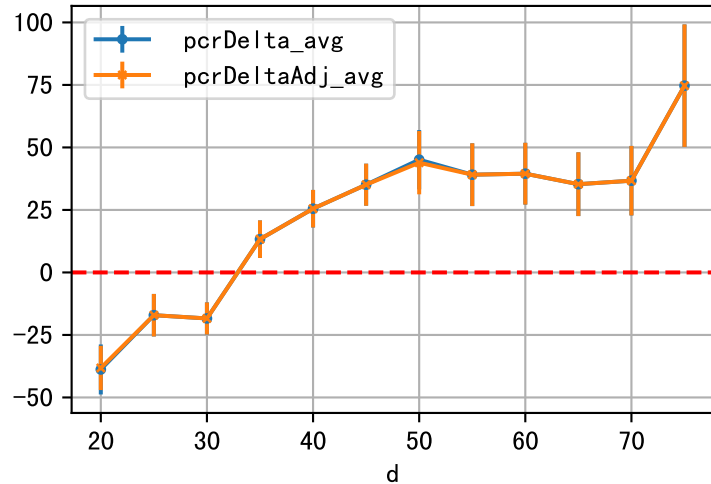
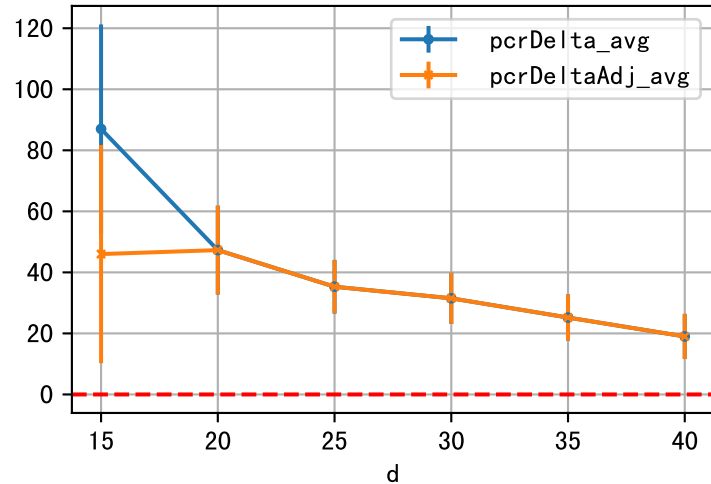


P9AW LfA: D_Est_LfA

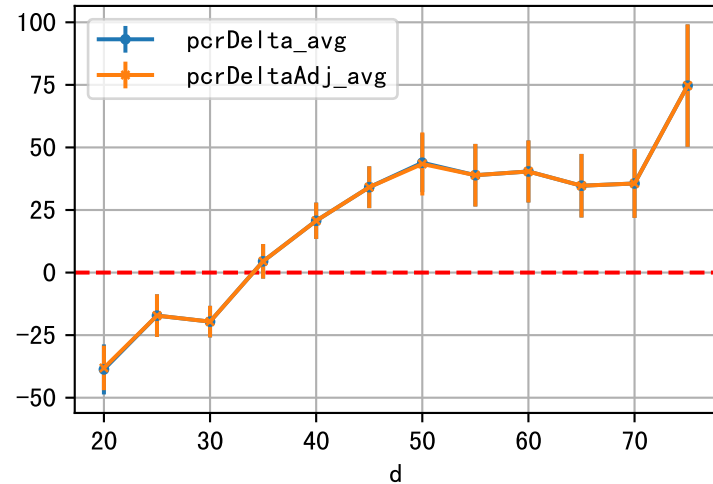
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DeltaTypeAbbr=GrpByDay

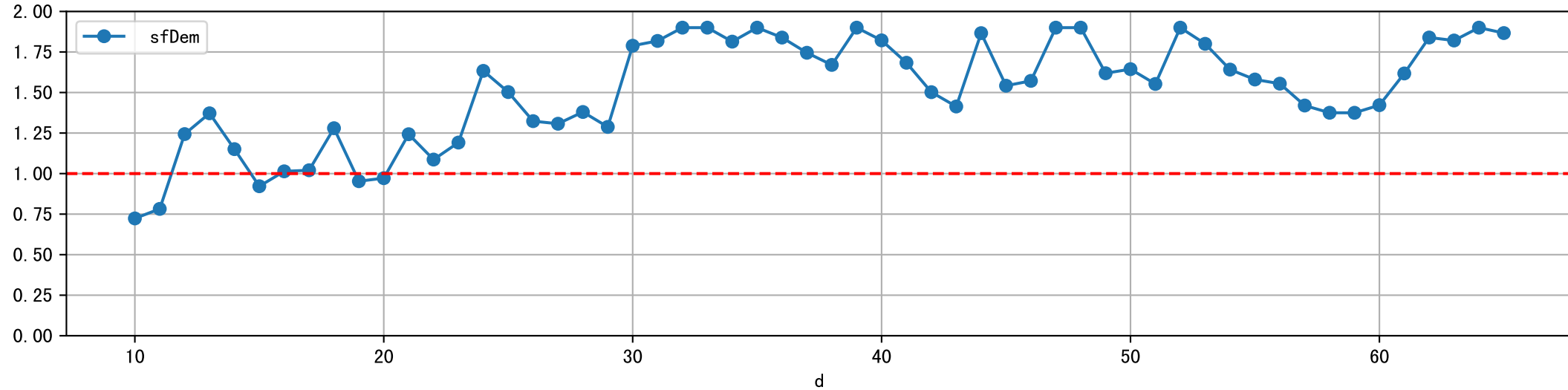
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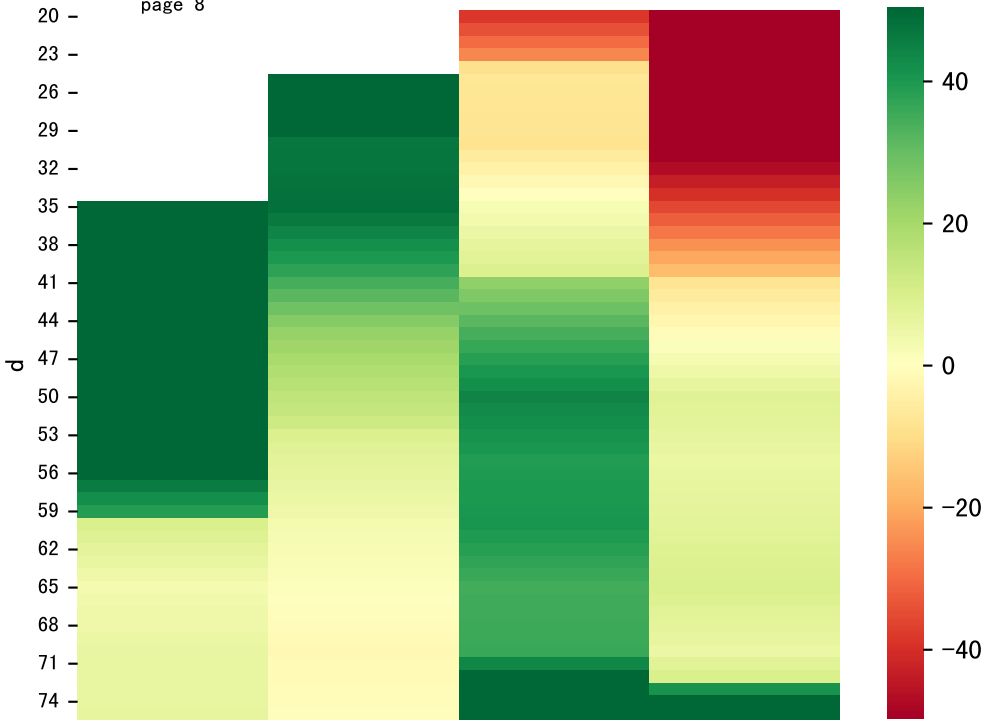


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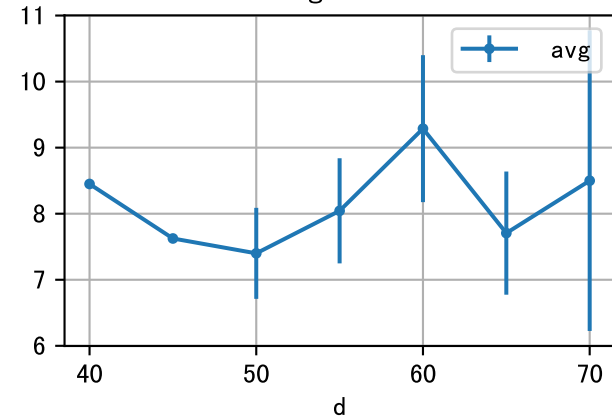
LfA: sfDem



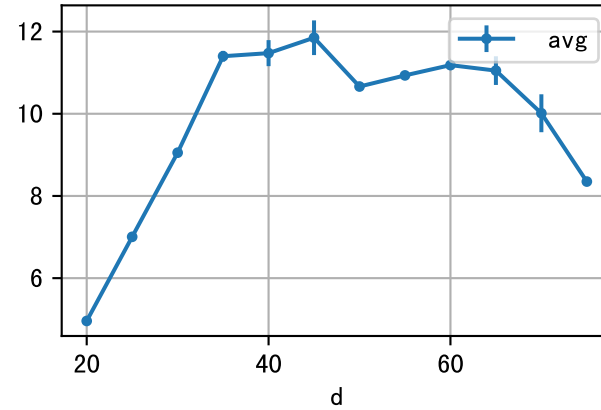


NdD: avg vs. d at each age group

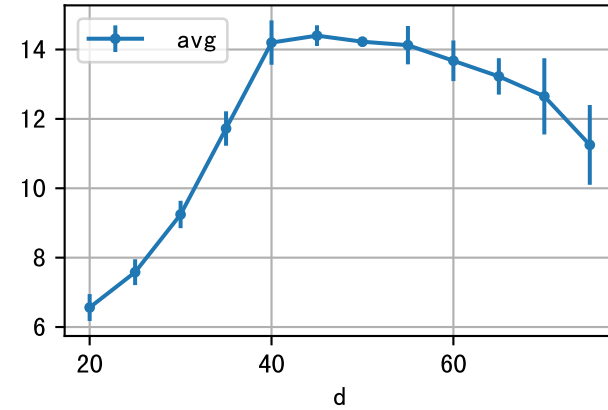
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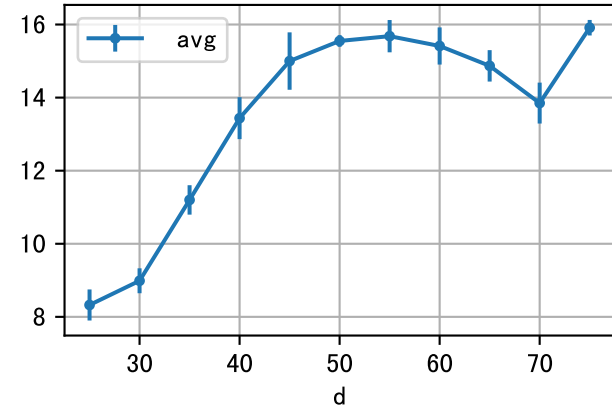
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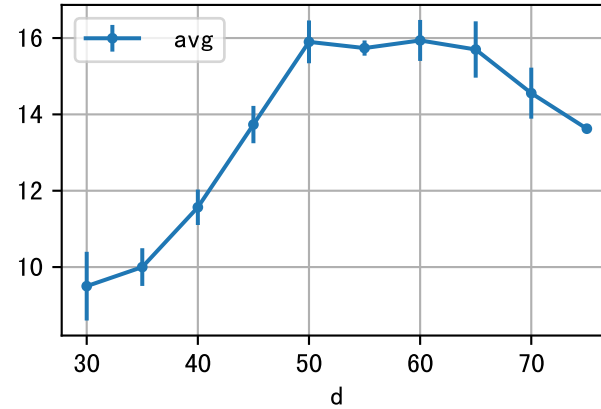
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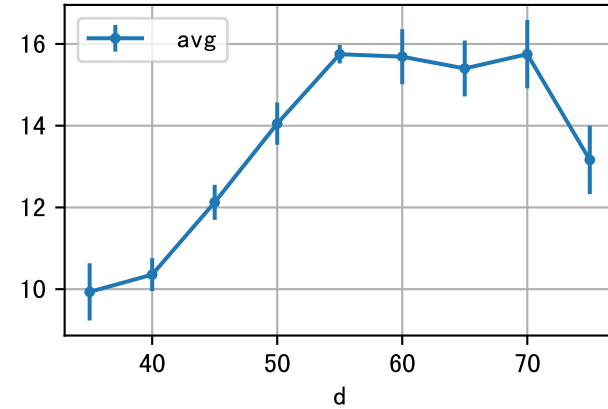
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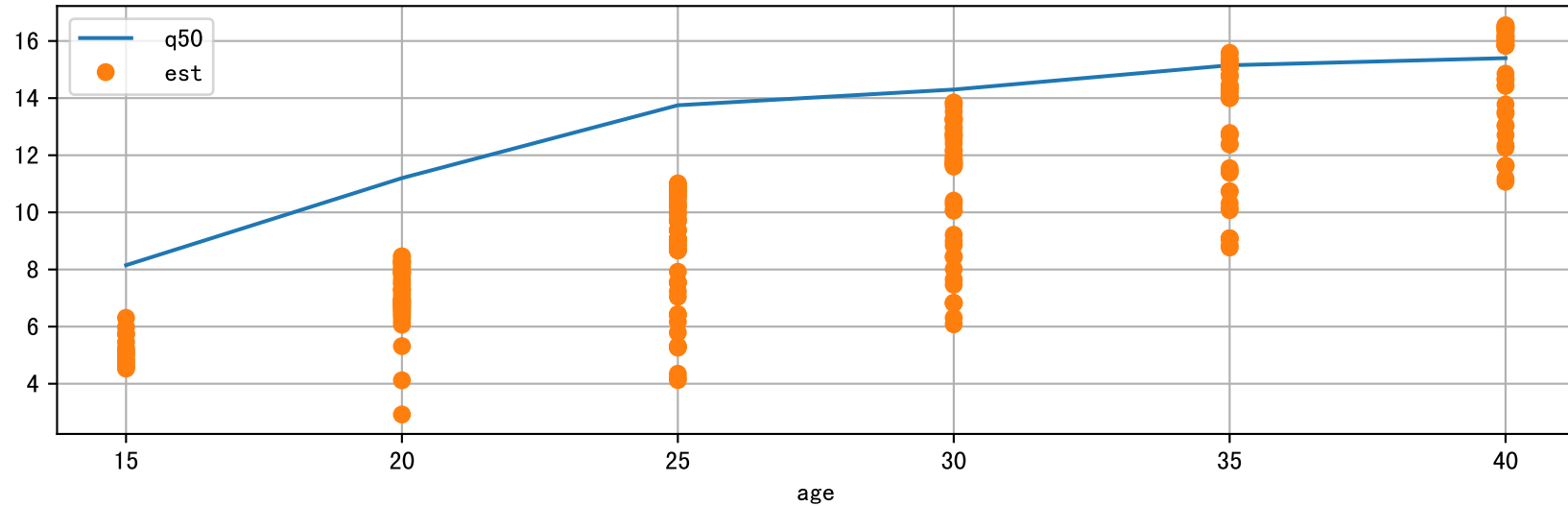
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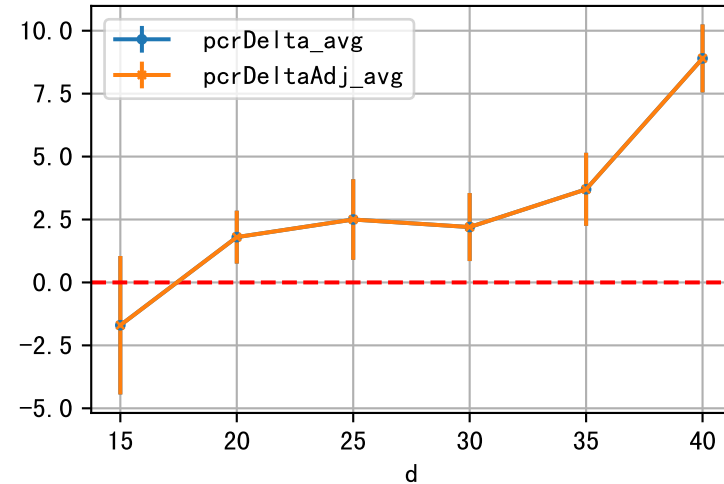
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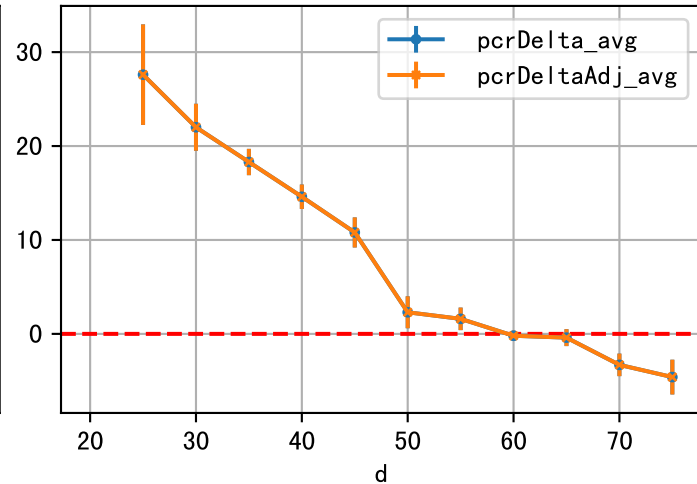
NdD: model est vs obs0v@Q50



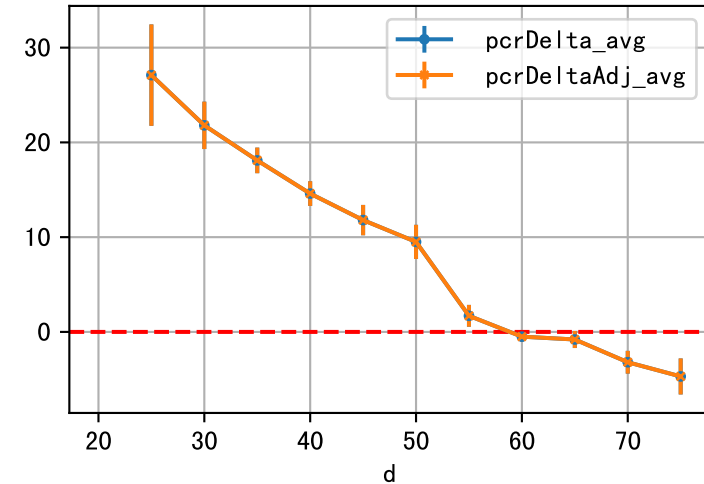
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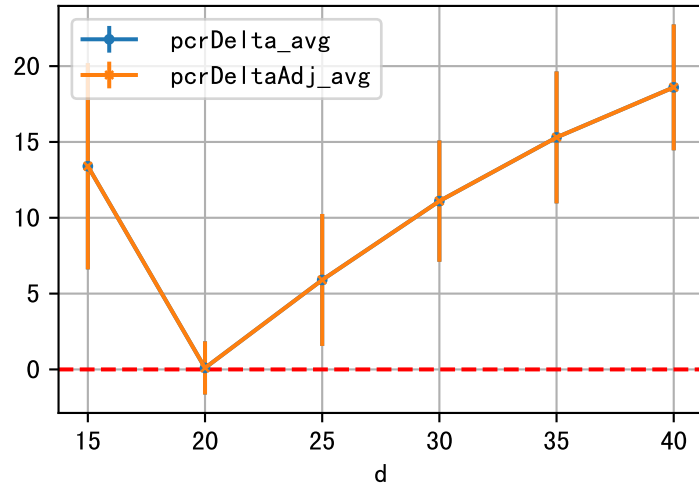
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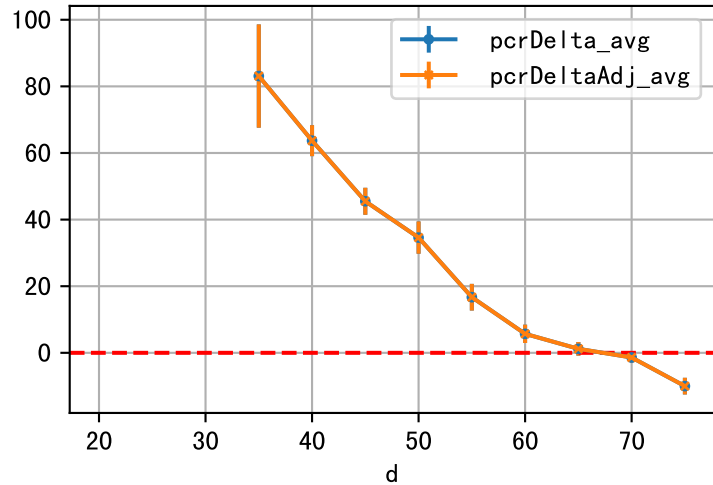
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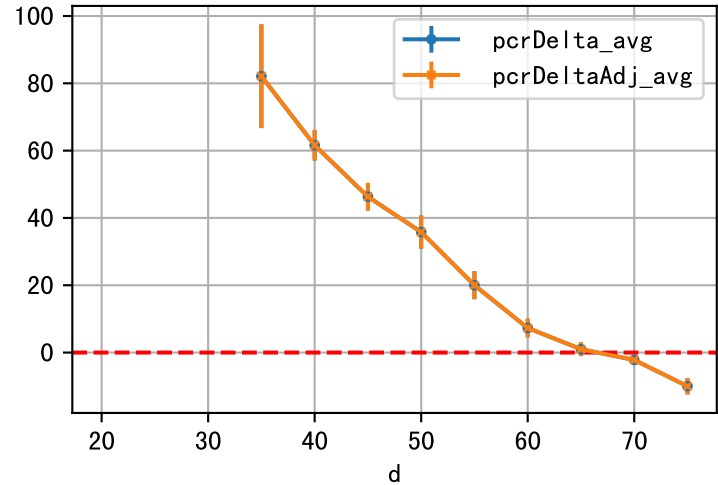
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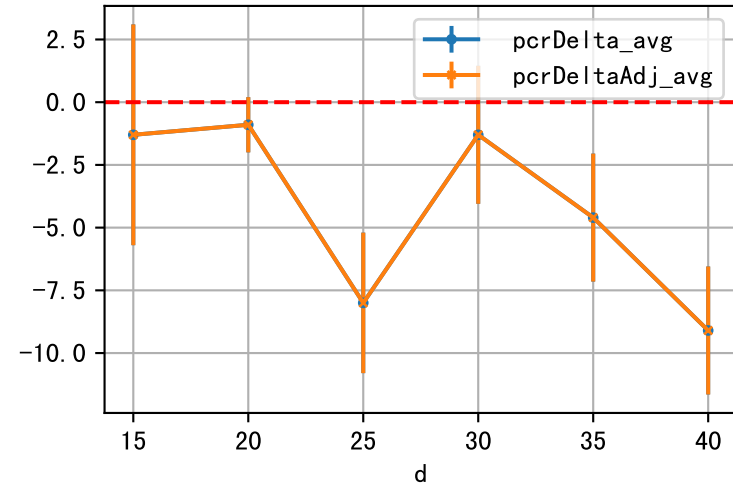
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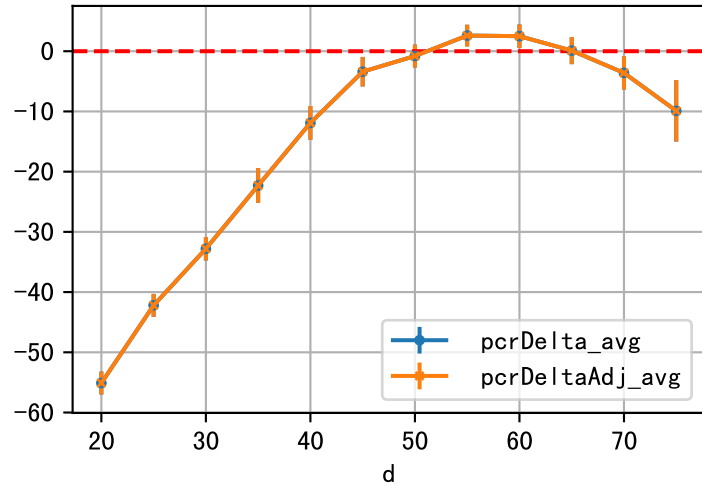
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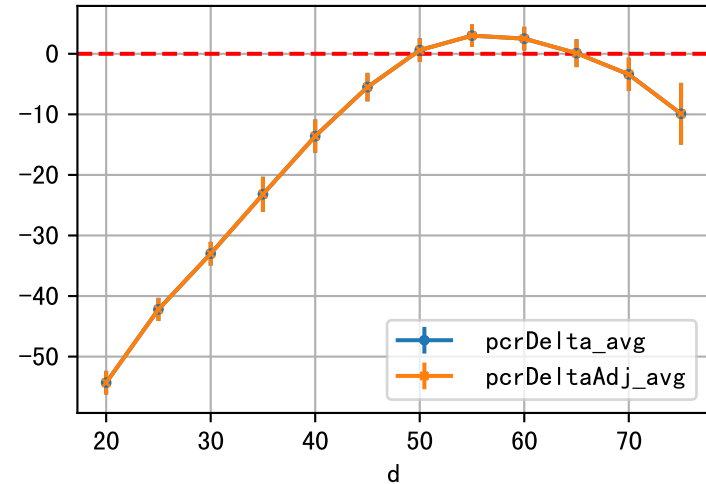
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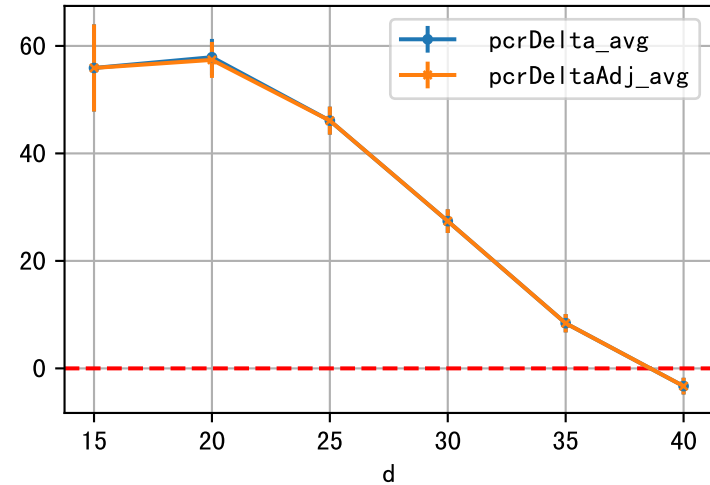
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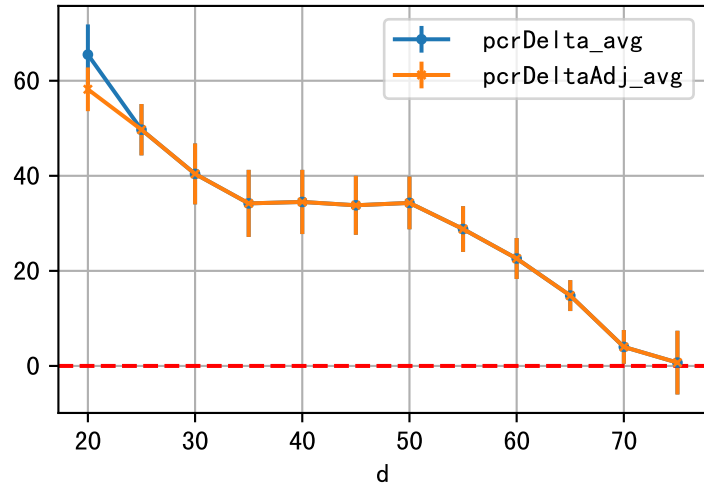
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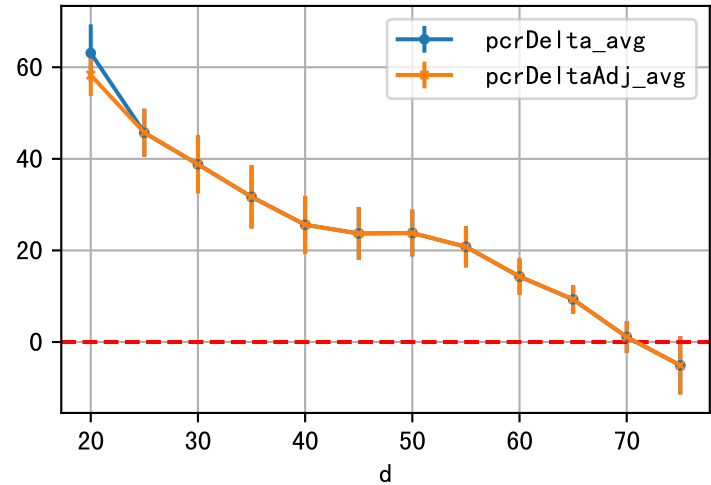
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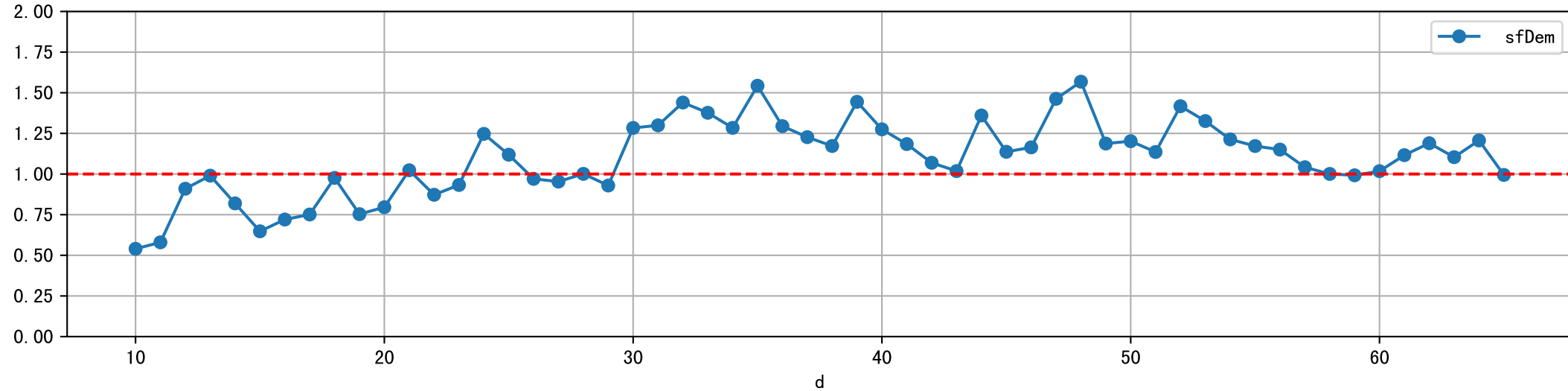
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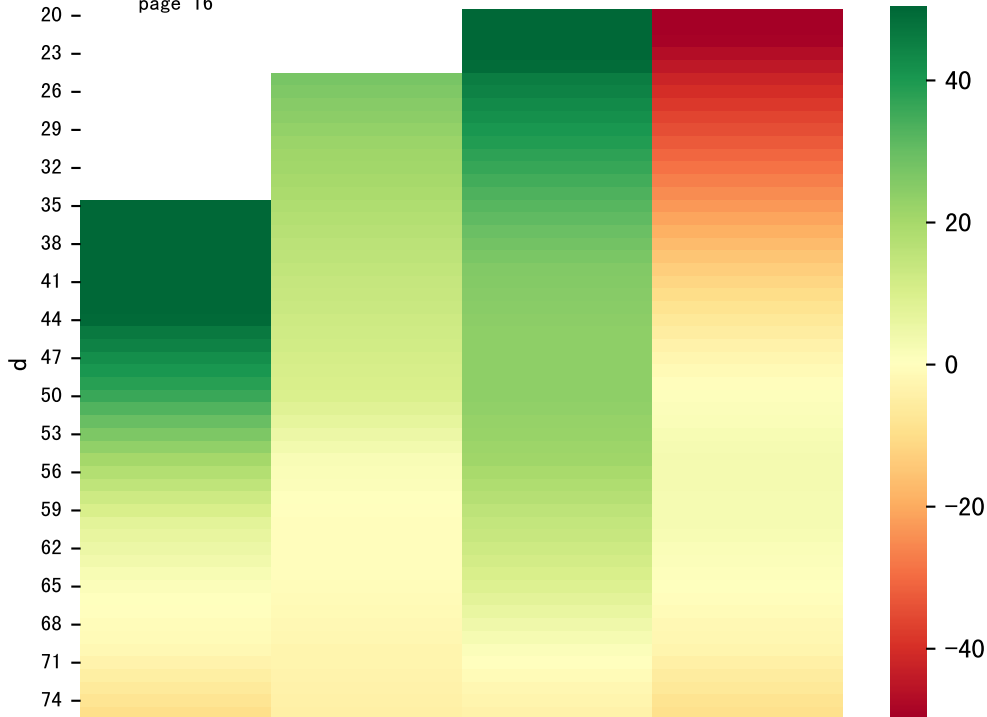


DeltaTypeAbbr=Wei AvgByD

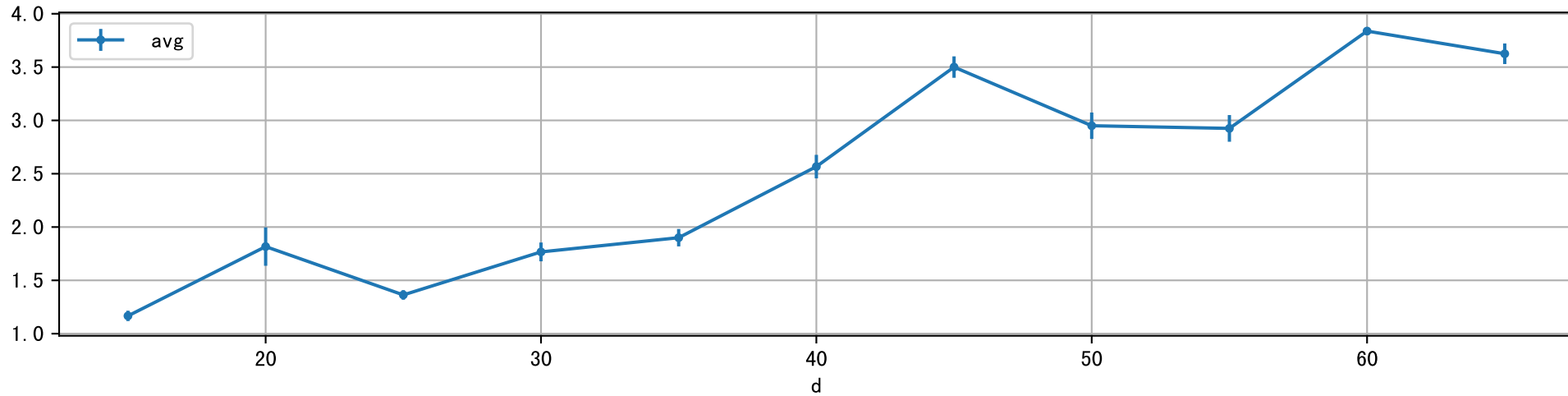


NdD: sfDem

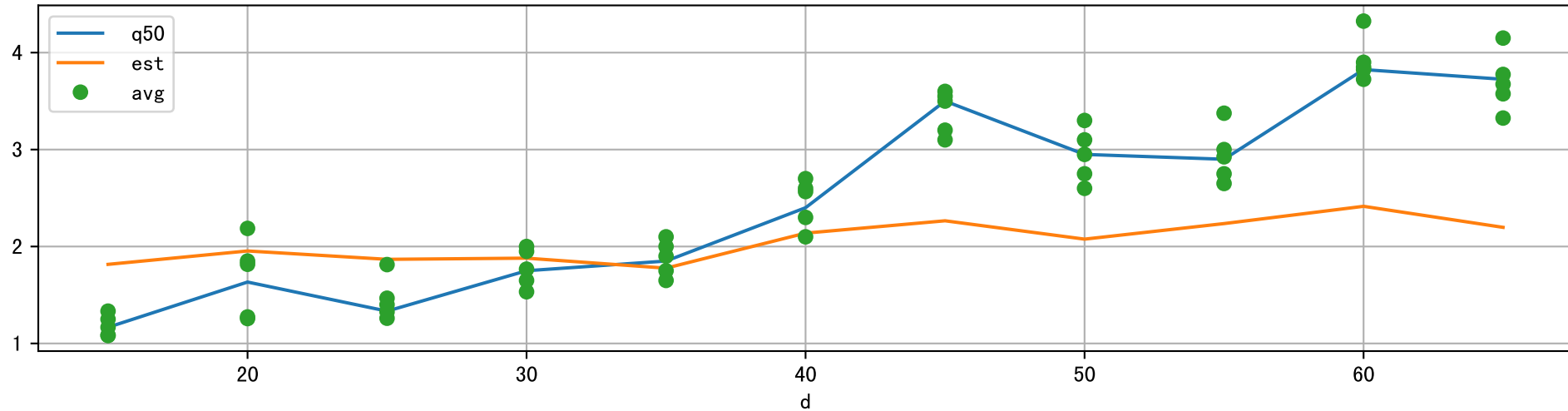




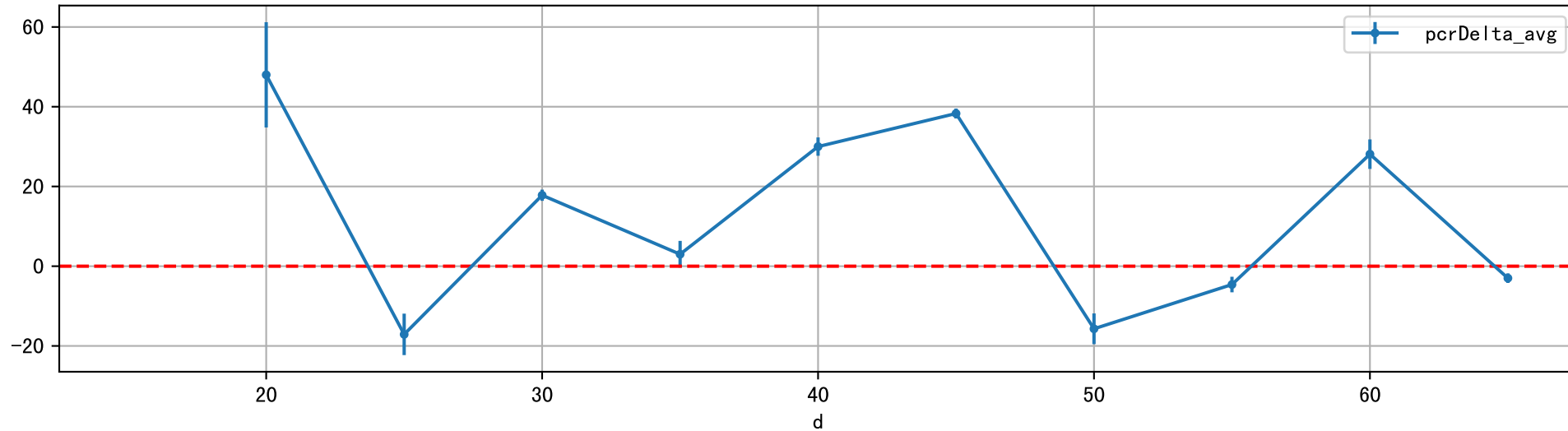
dStH: avg vs. d



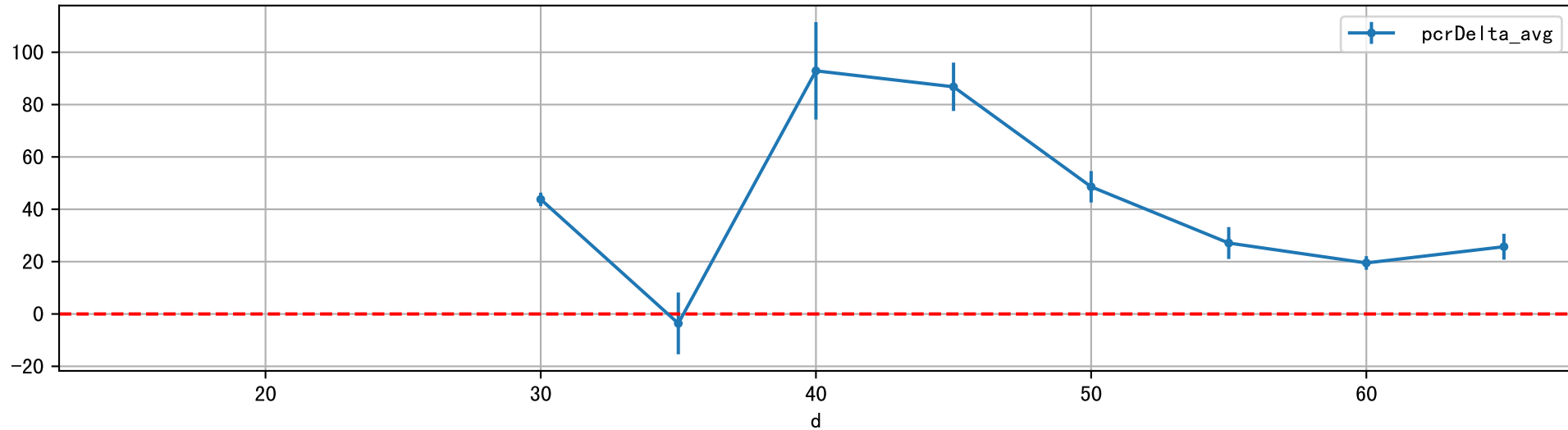
dStH: obsAvg vs obs0v@Q50



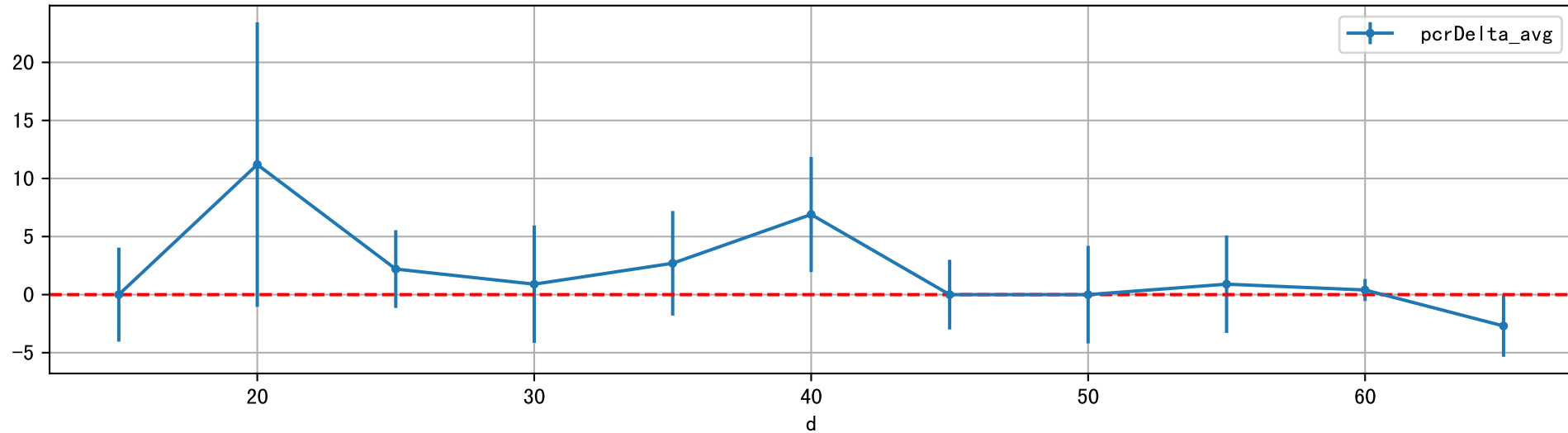
dStH: D_5d_StH



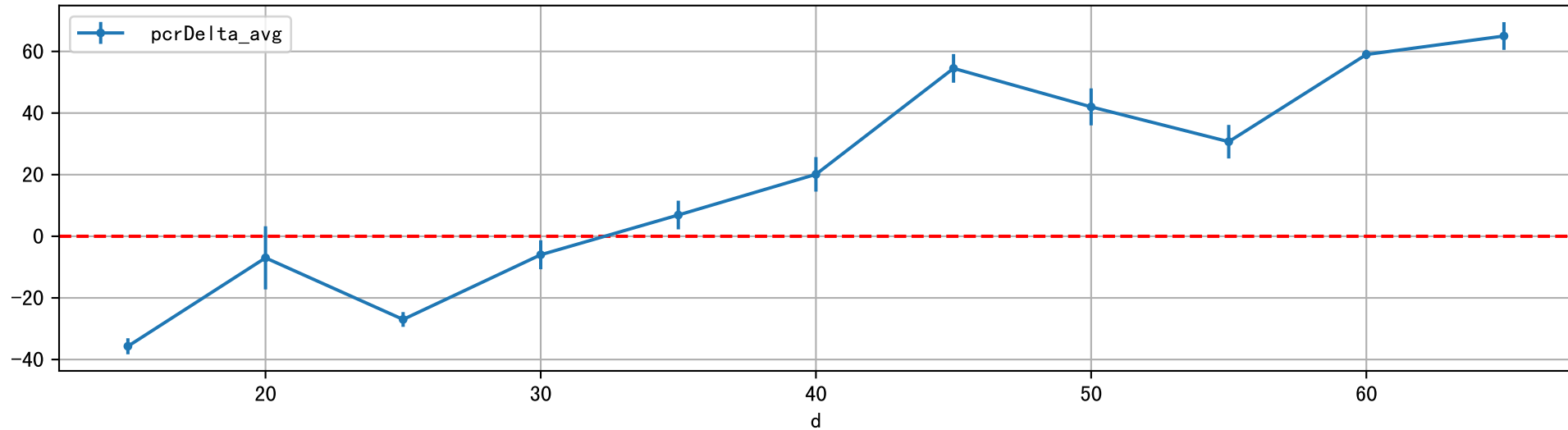
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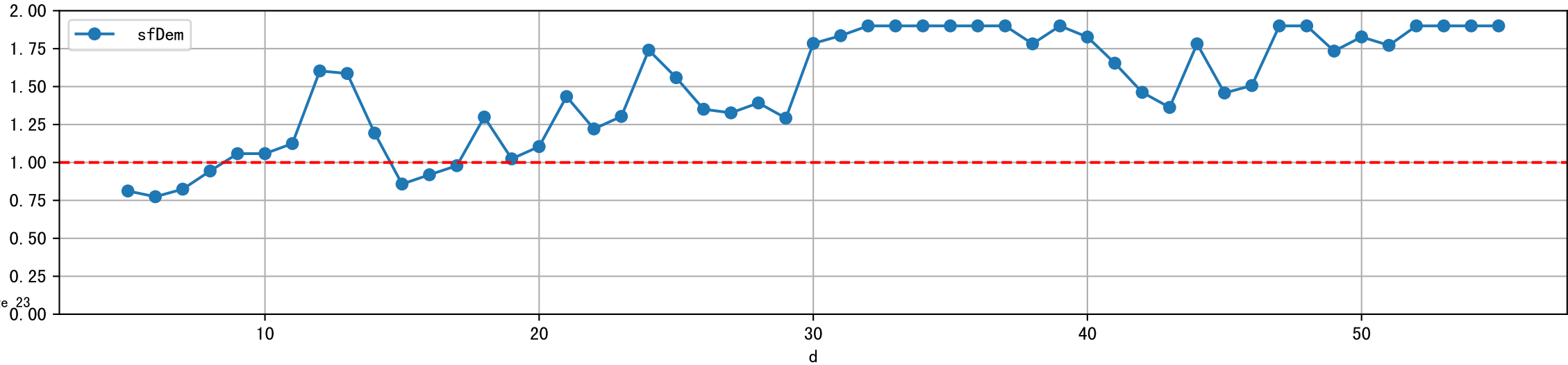
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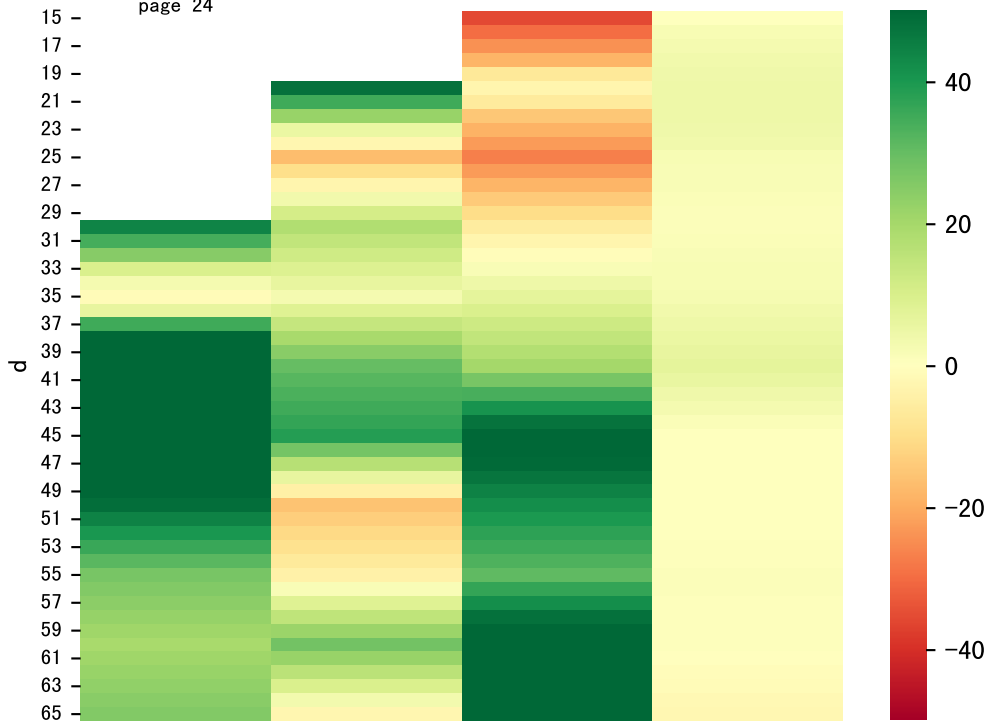


dStH: D_Est_StH



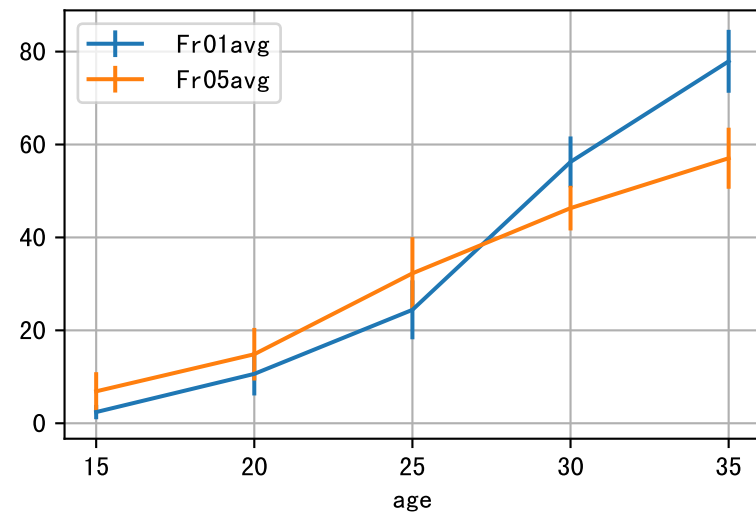
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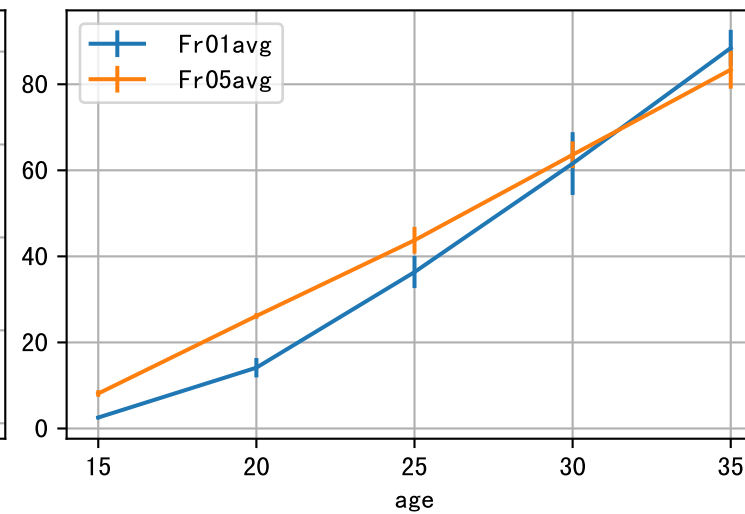


FrV: Fr01 vs Fr05 at each truss

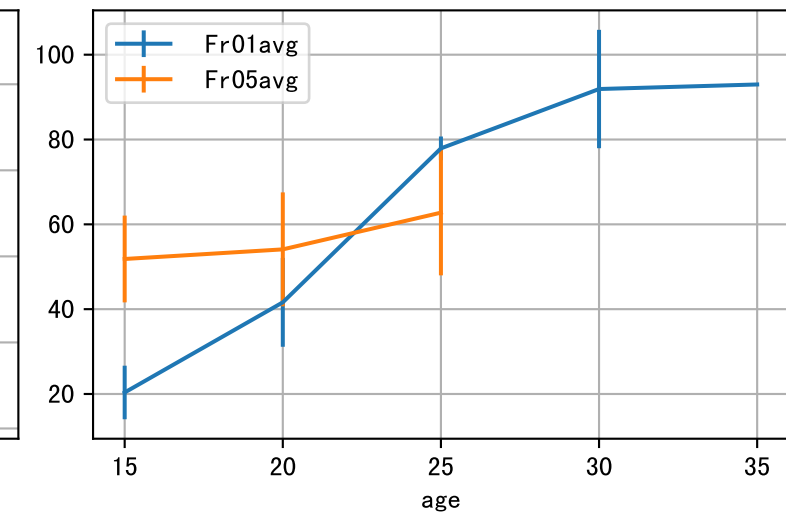
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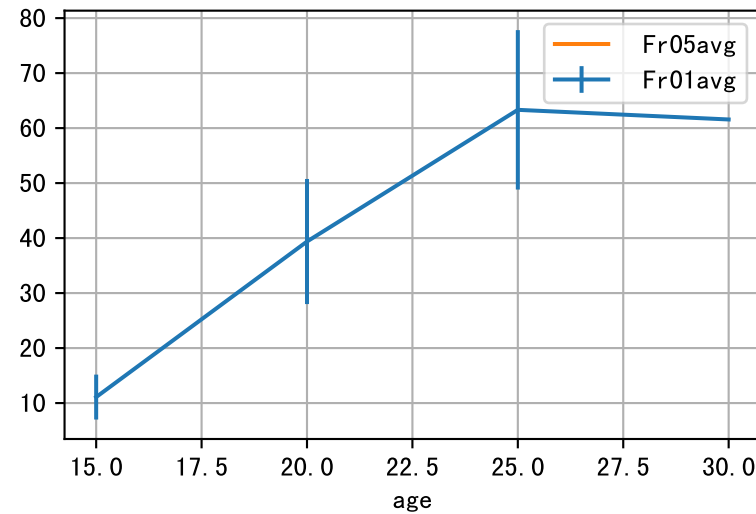
organID=T02



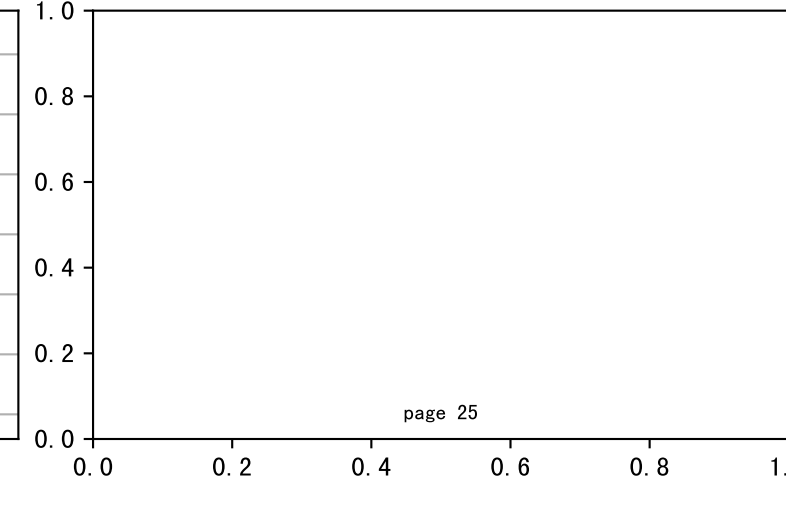
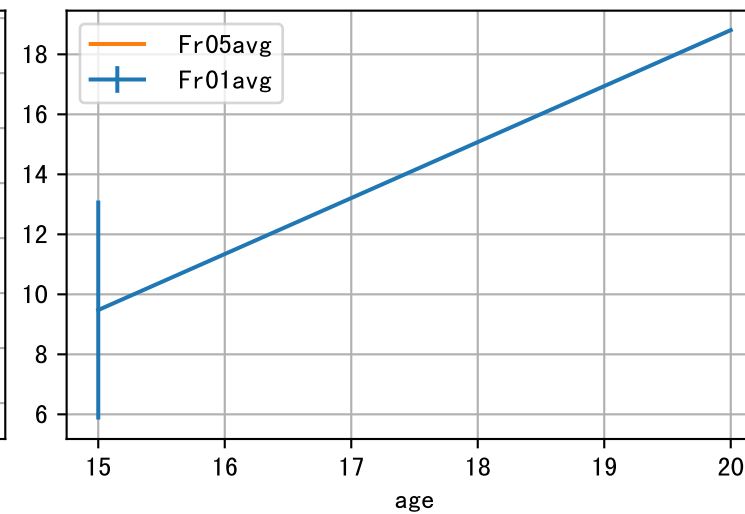
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organID=T04

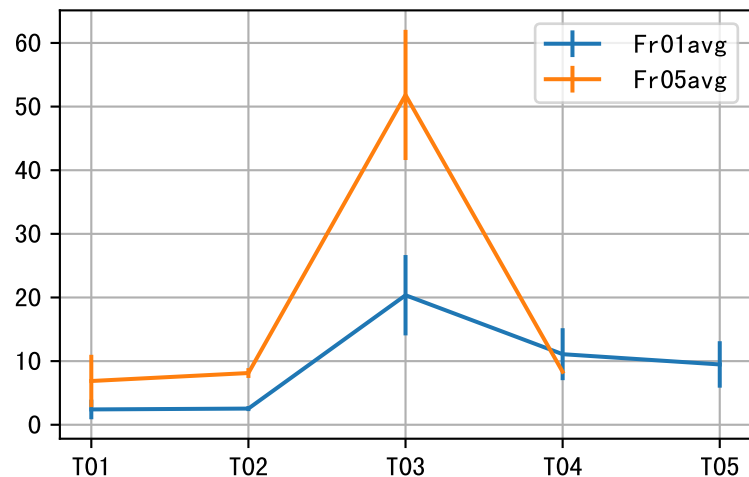


organID=T05

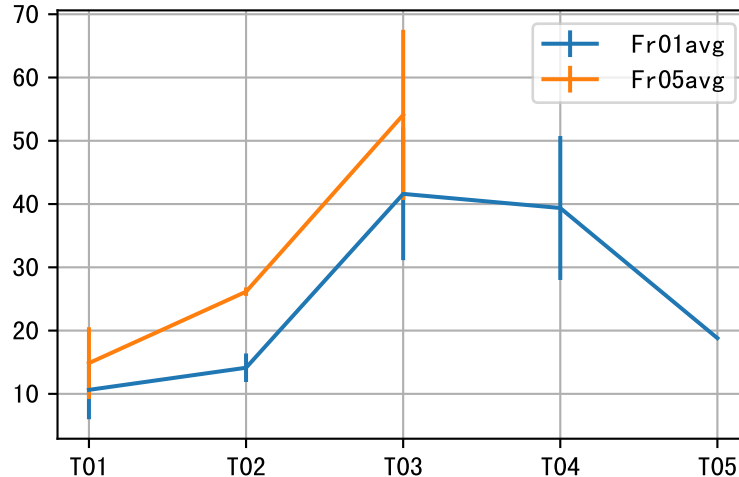


FrV trend at each age

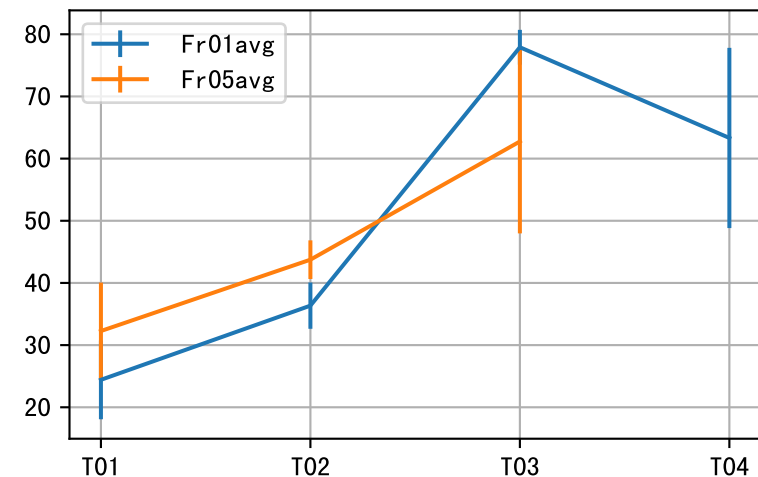
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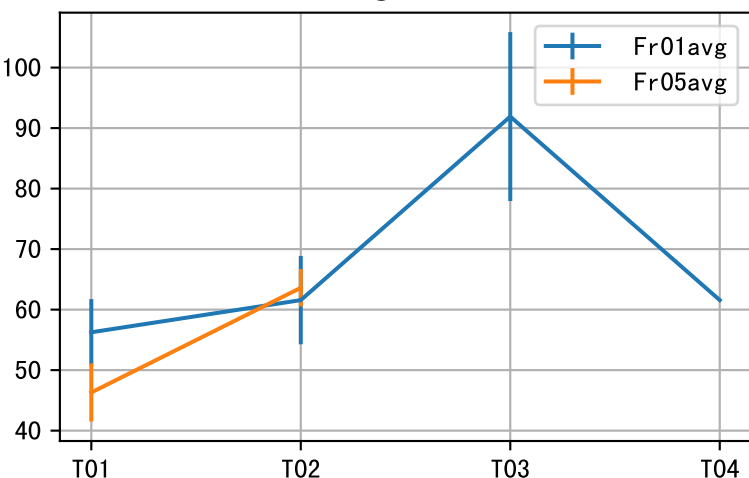
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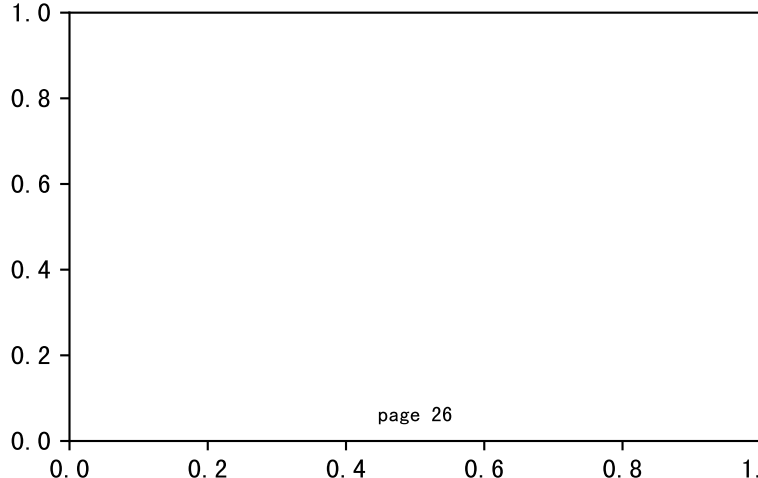
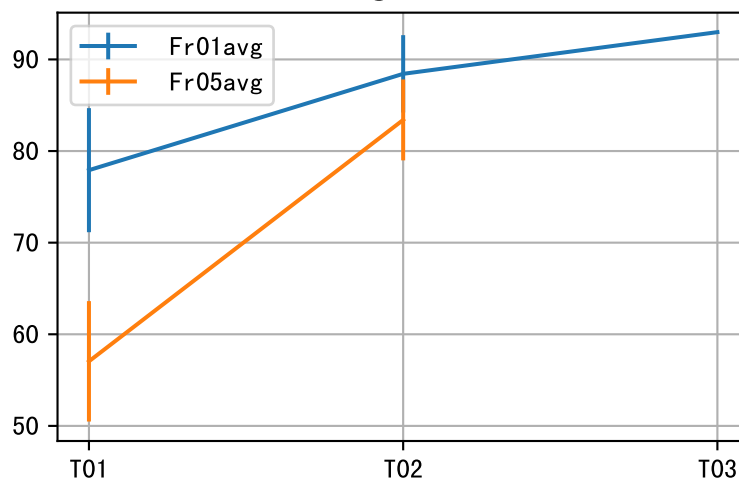
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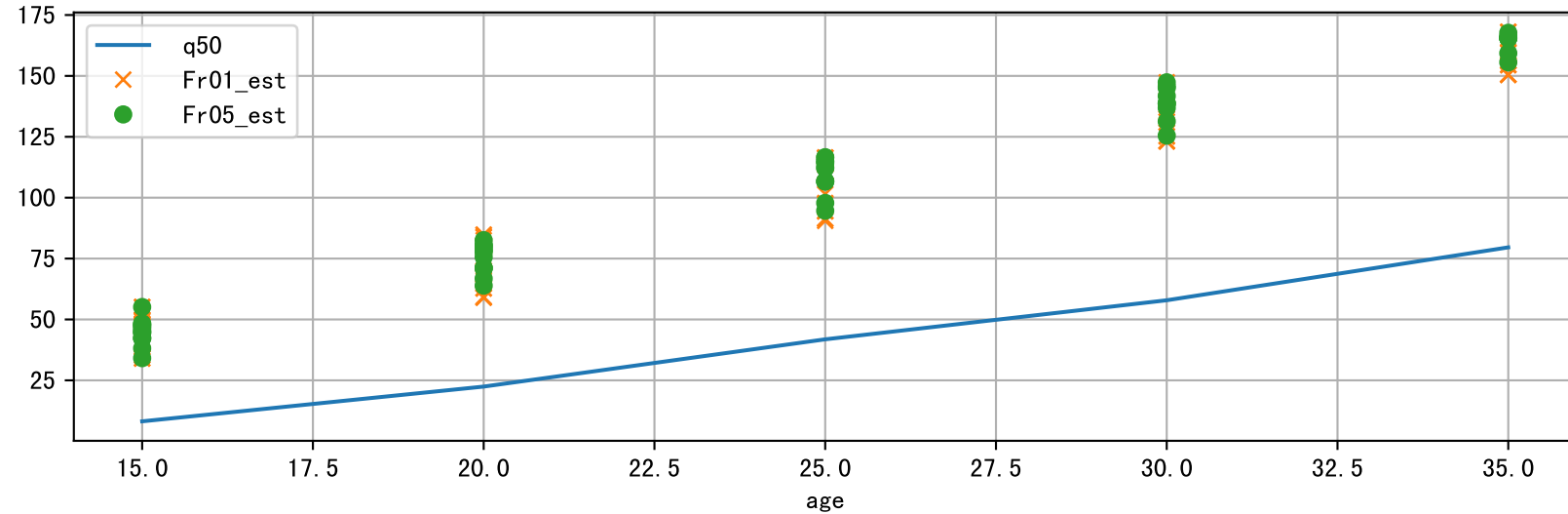
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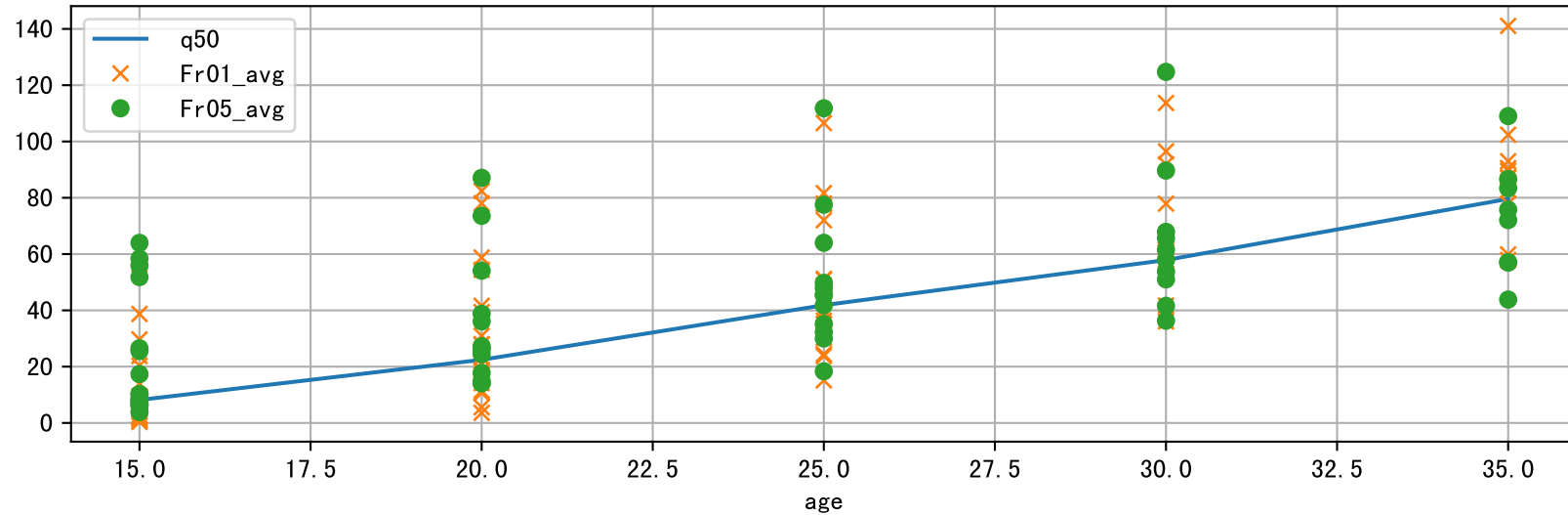
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FrV: model Est vs obsFrV at Q90

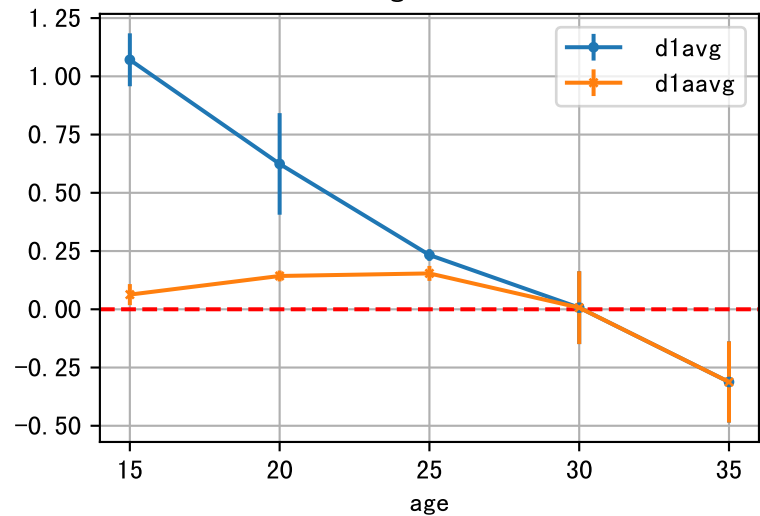


FrV: obsFrV vs obsFrV@Q90

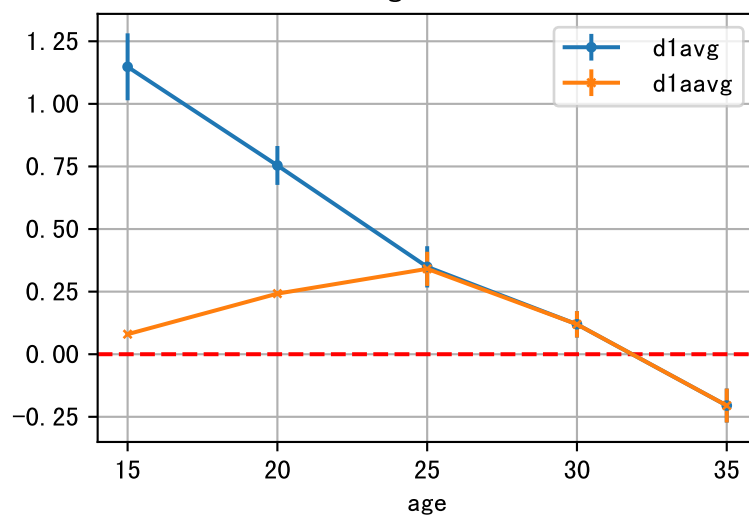


FrV: D_Fr1_FrV

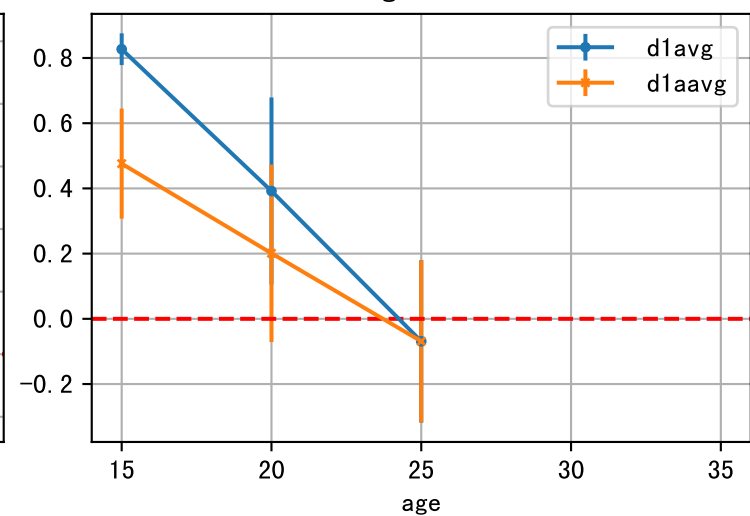
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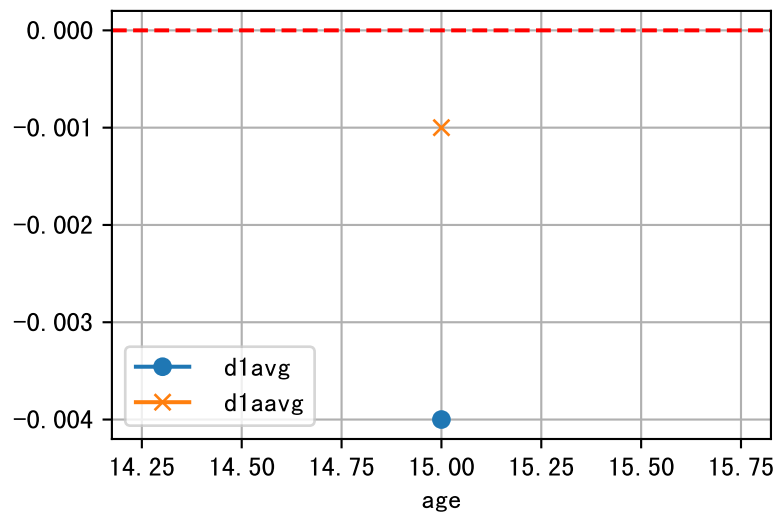
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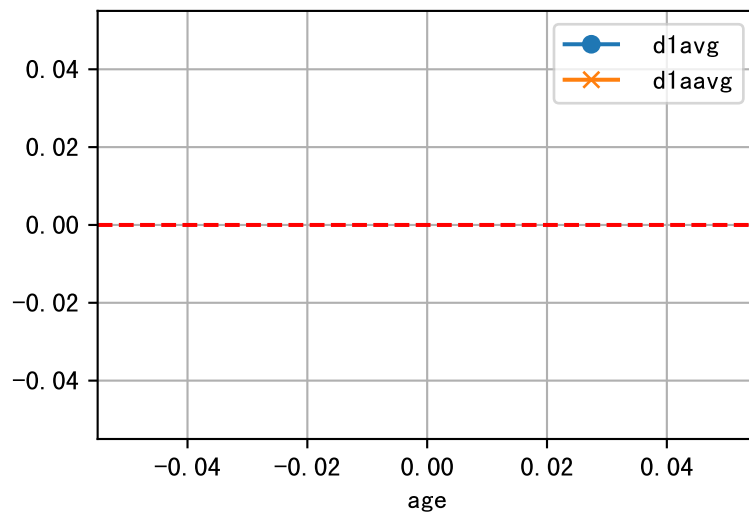
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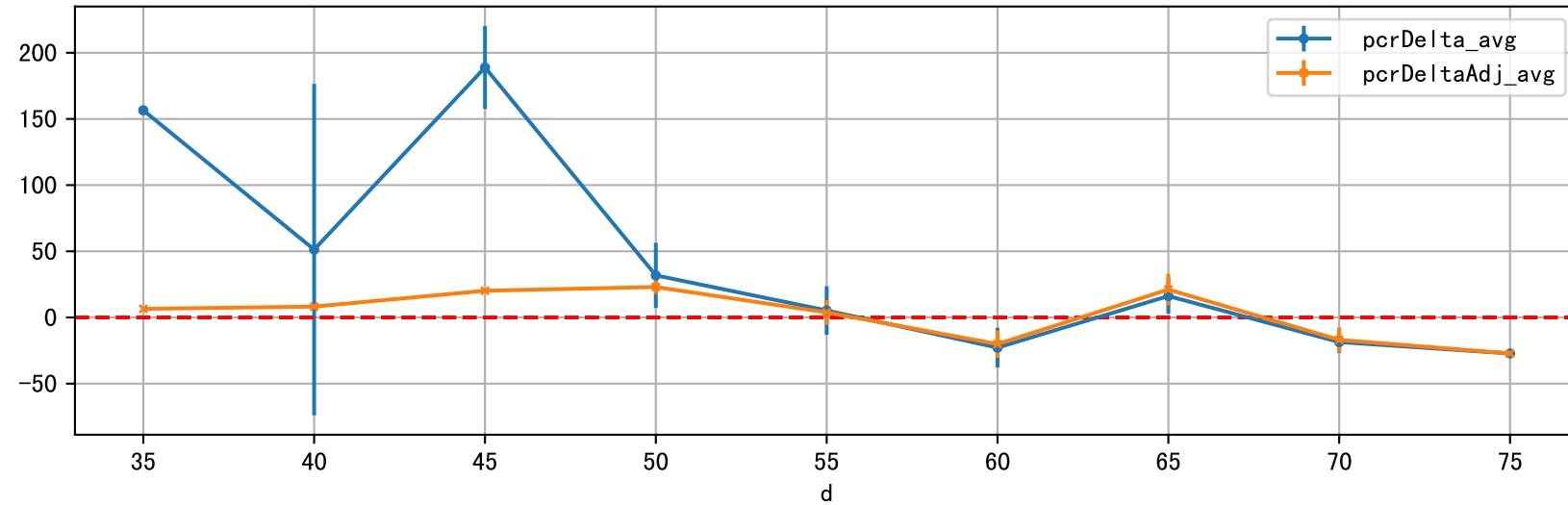
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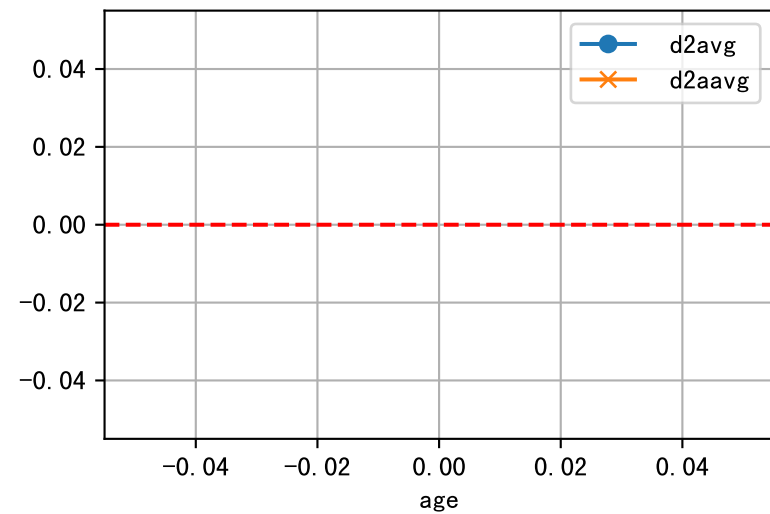
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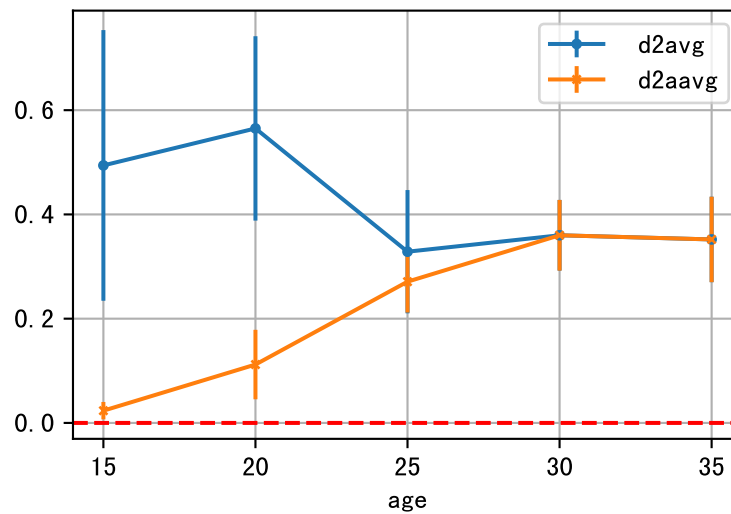
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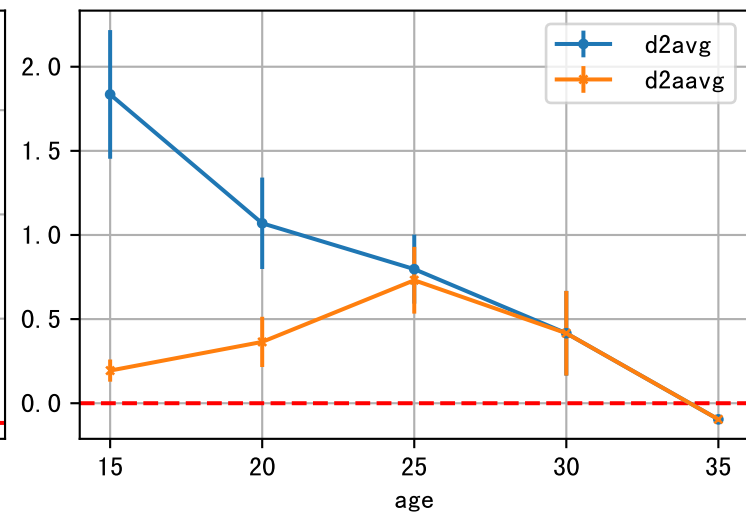
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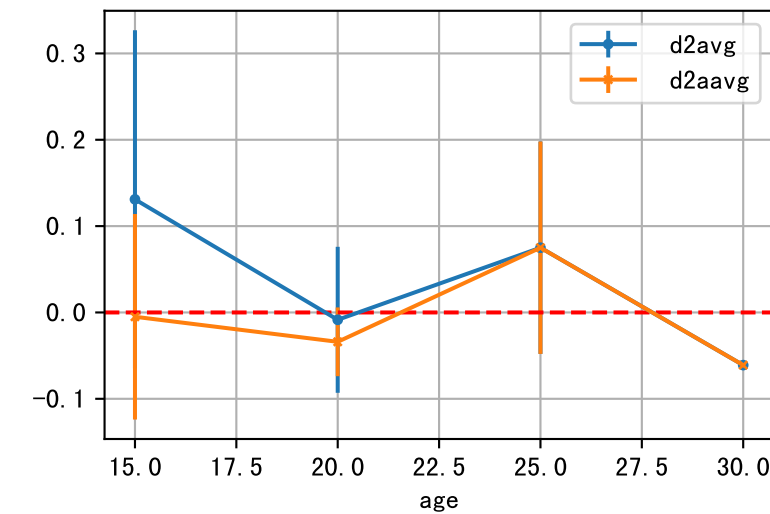
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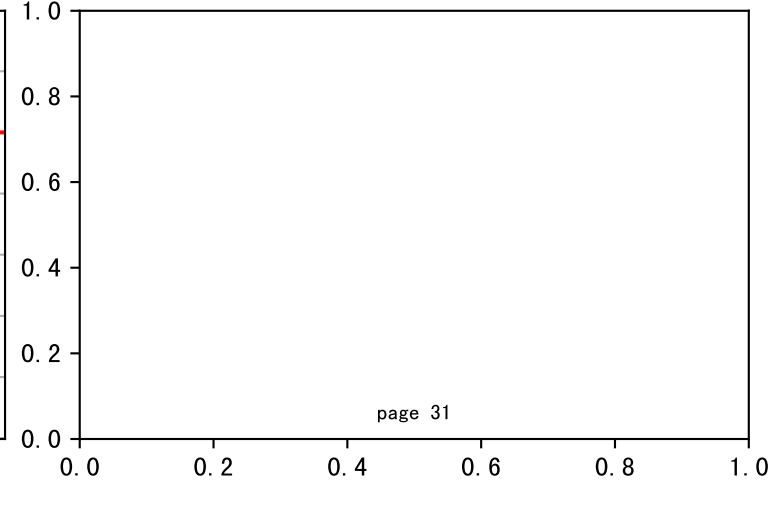
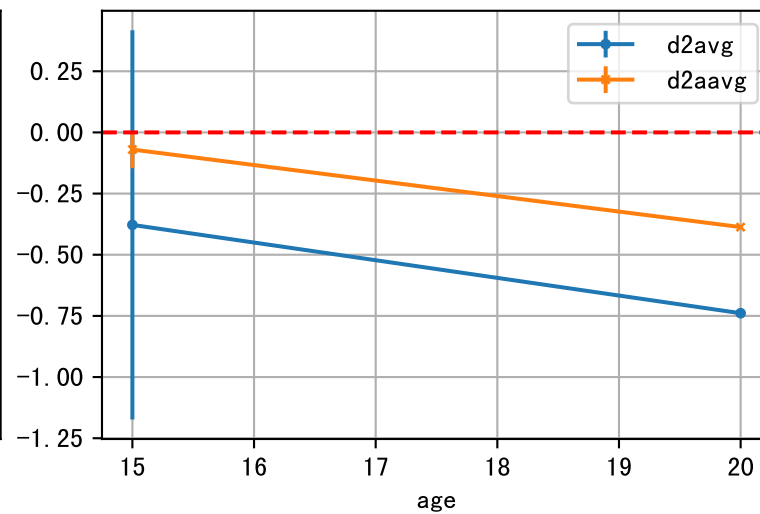
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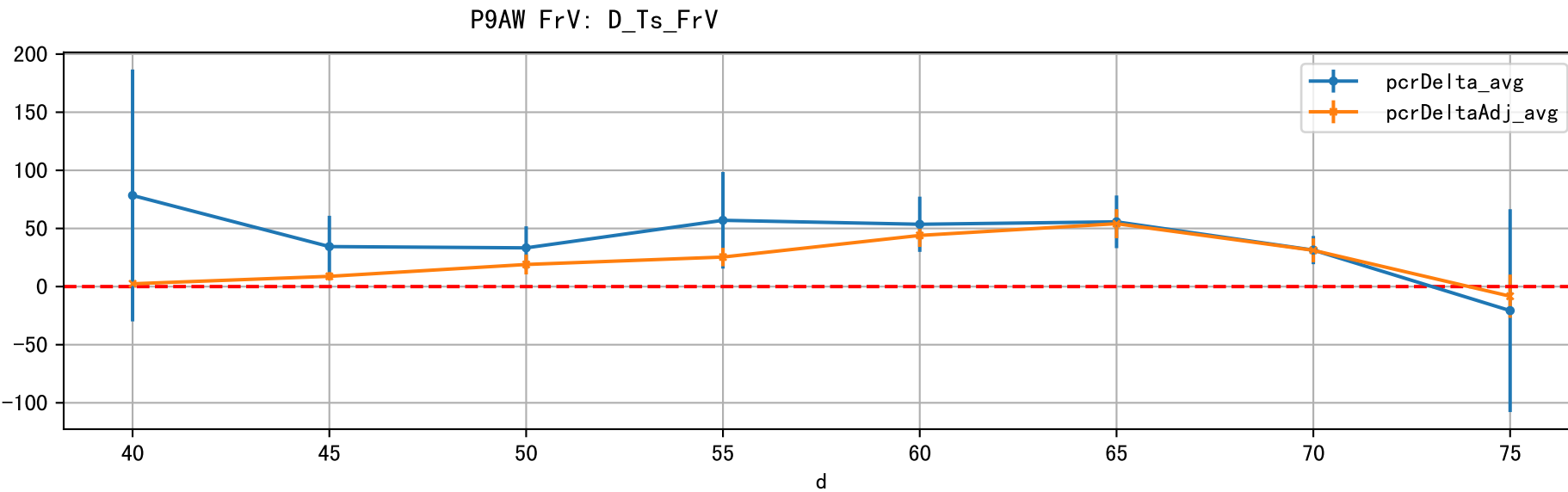


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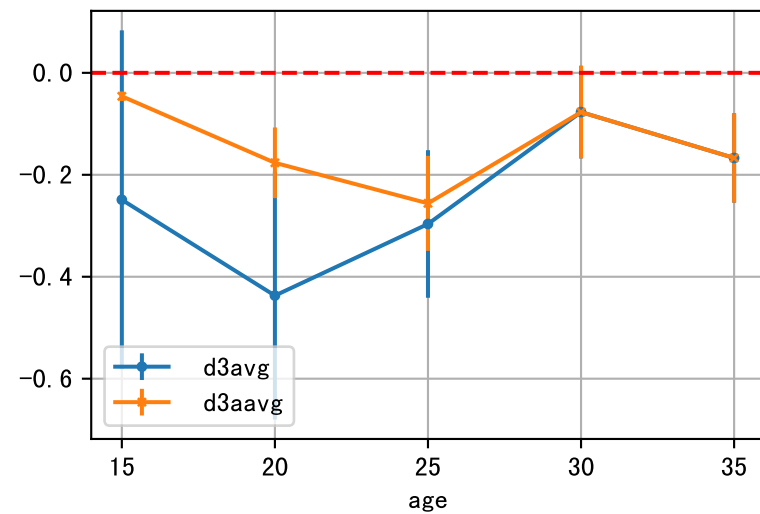


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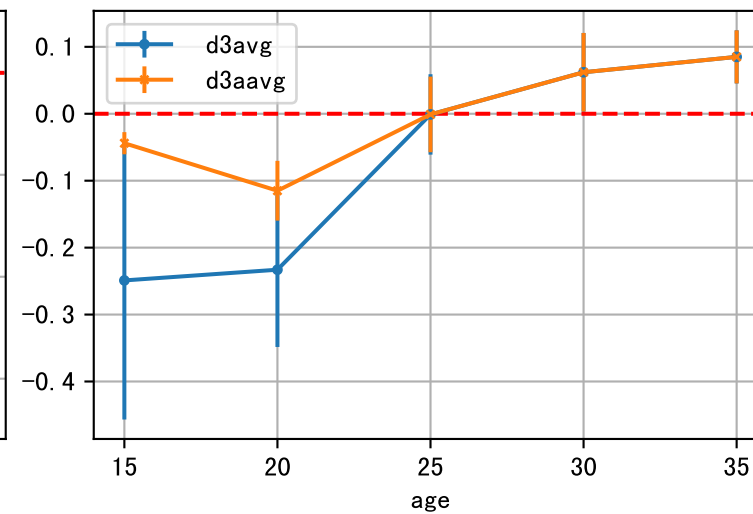




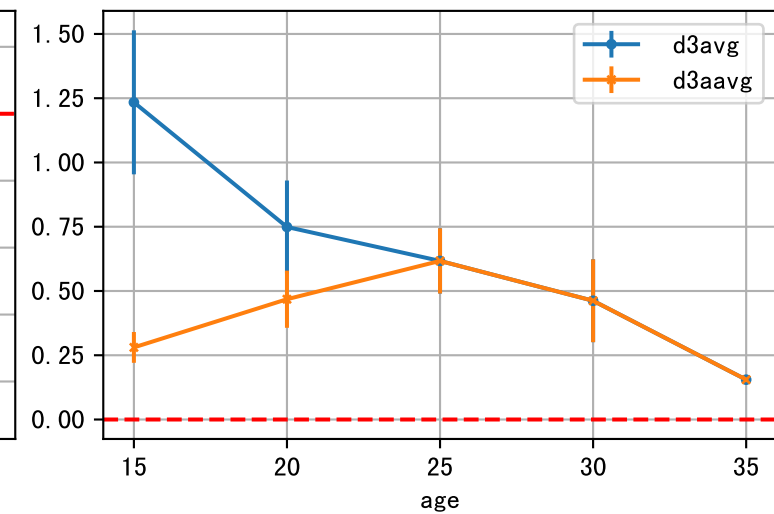
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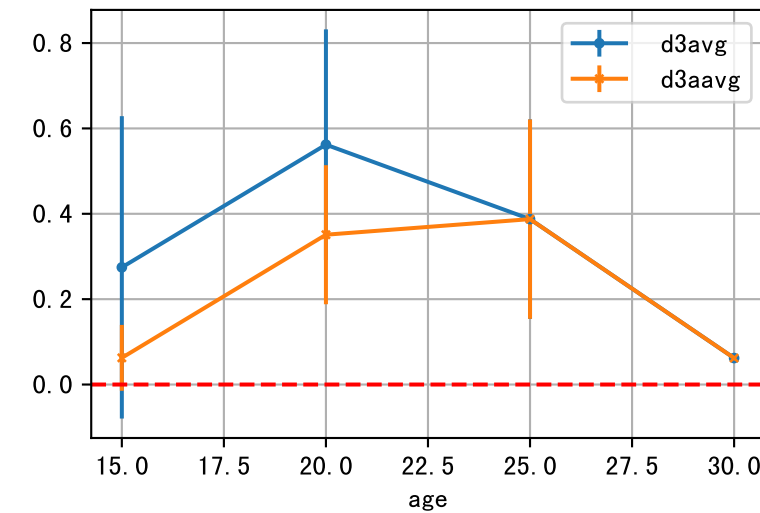
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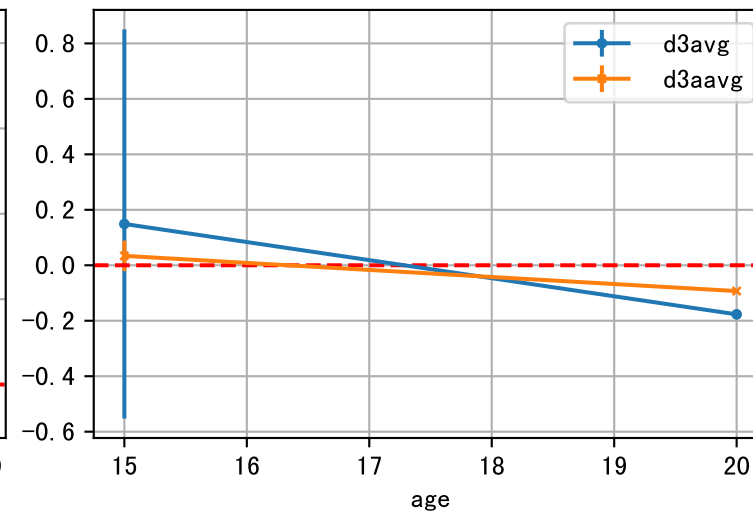
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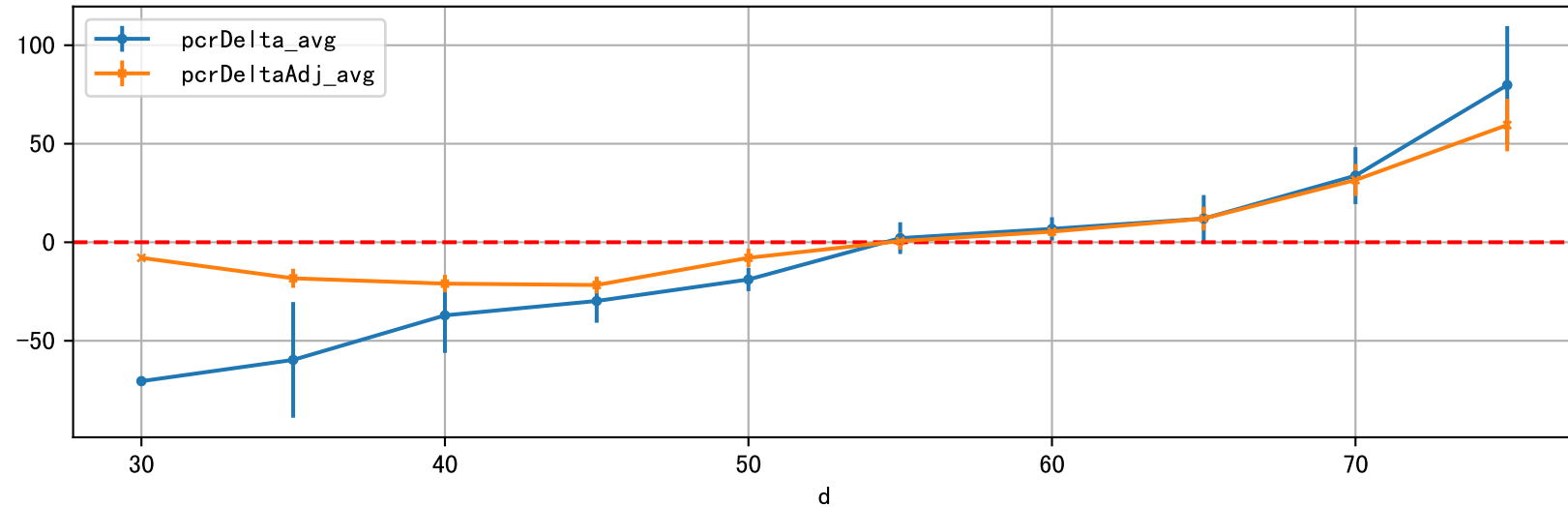
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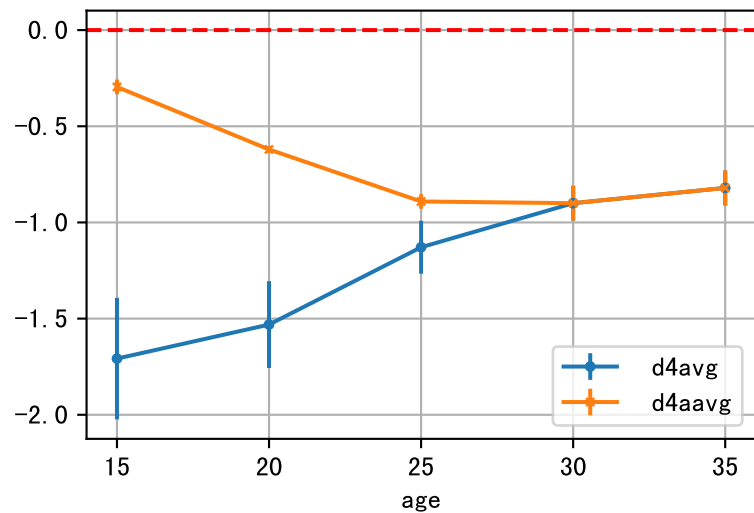
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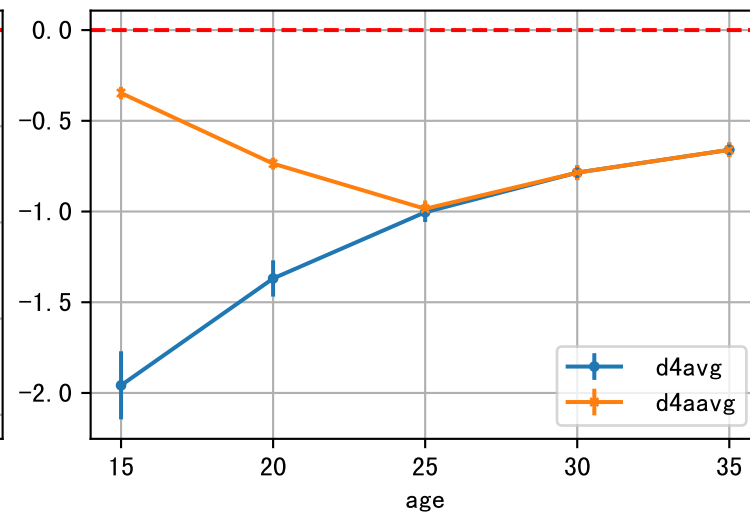
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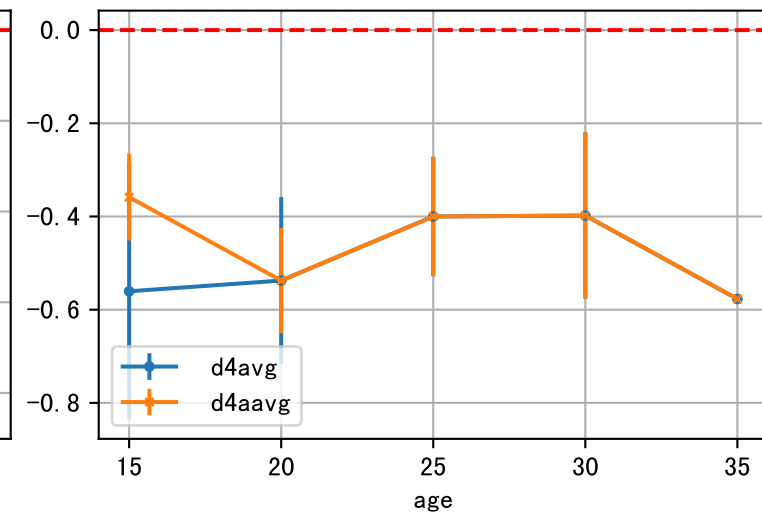
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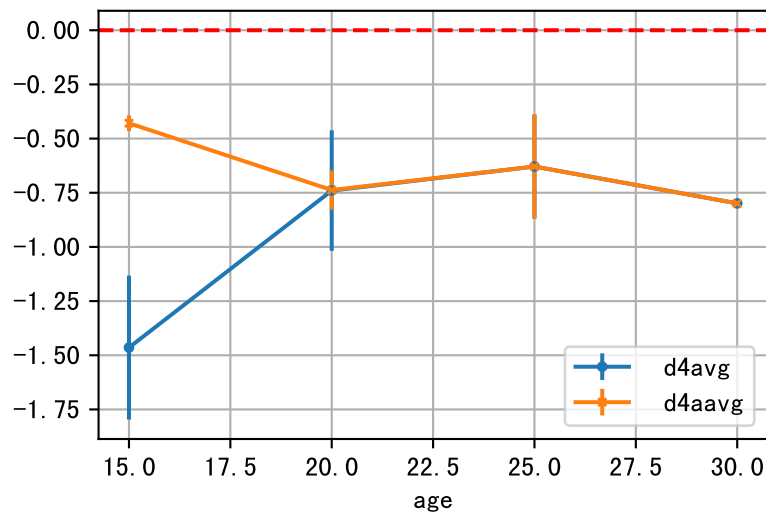
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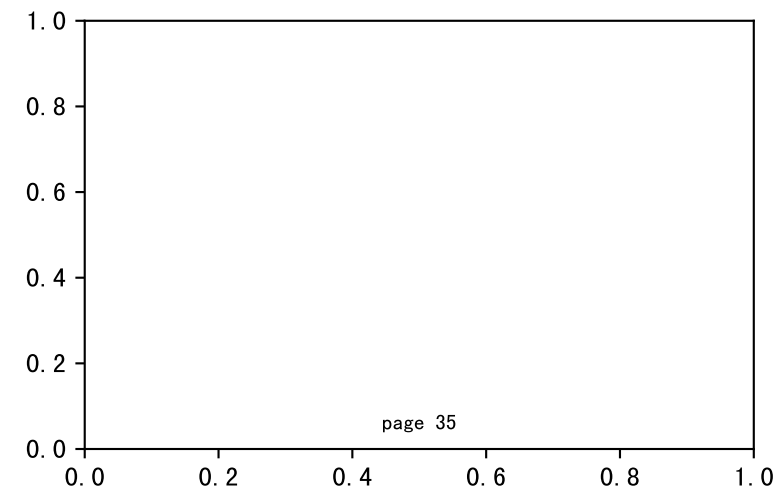
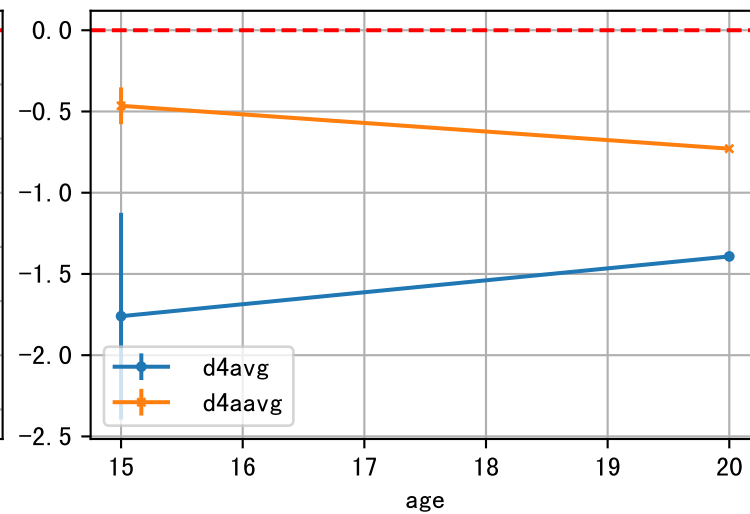
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organID=4



organID=5



P9AW FrV: D_Est_FrV

