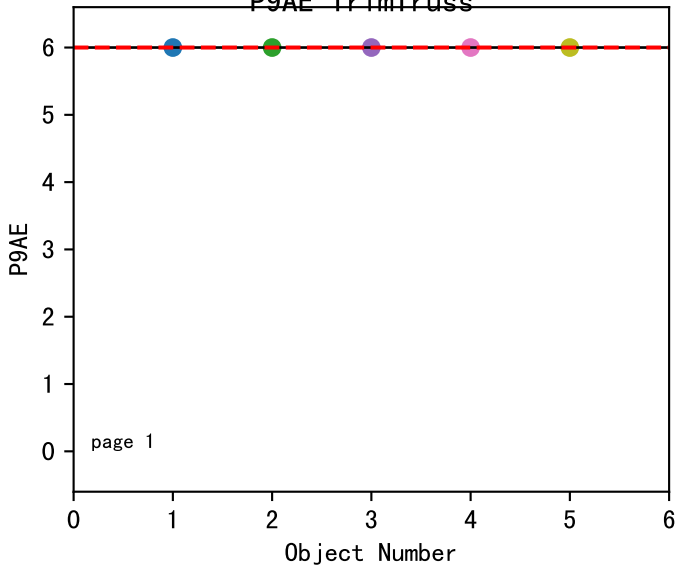


Phenotype Data Analysis Plots
PhenoData day range = 10 – 70
Analysis cutoff day = 70
NC11 P9
2025-06-10 (Day 71)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

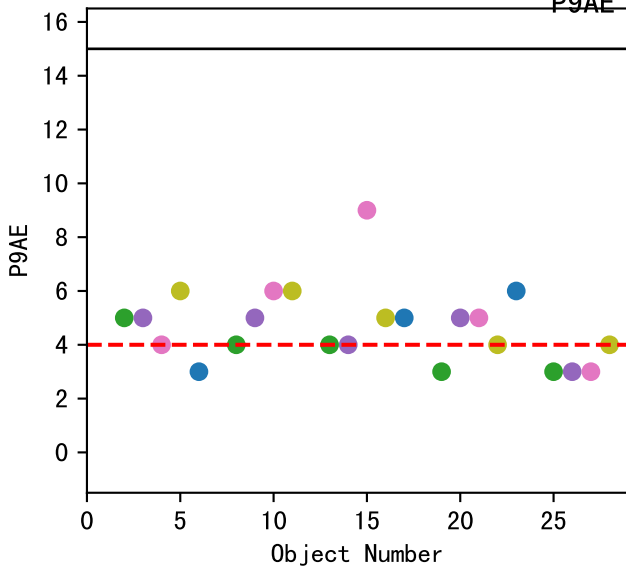
P9AE TrimTruss



FruitNumAvgPerTruss (Def=15 Set=4)

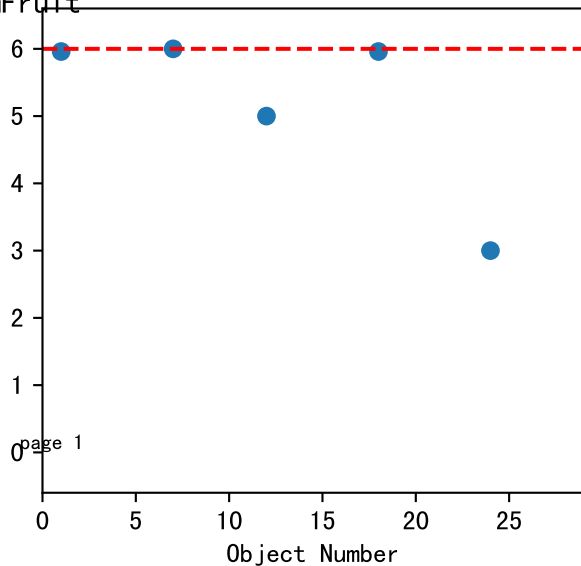
avg1=4.0~23% avg2=na

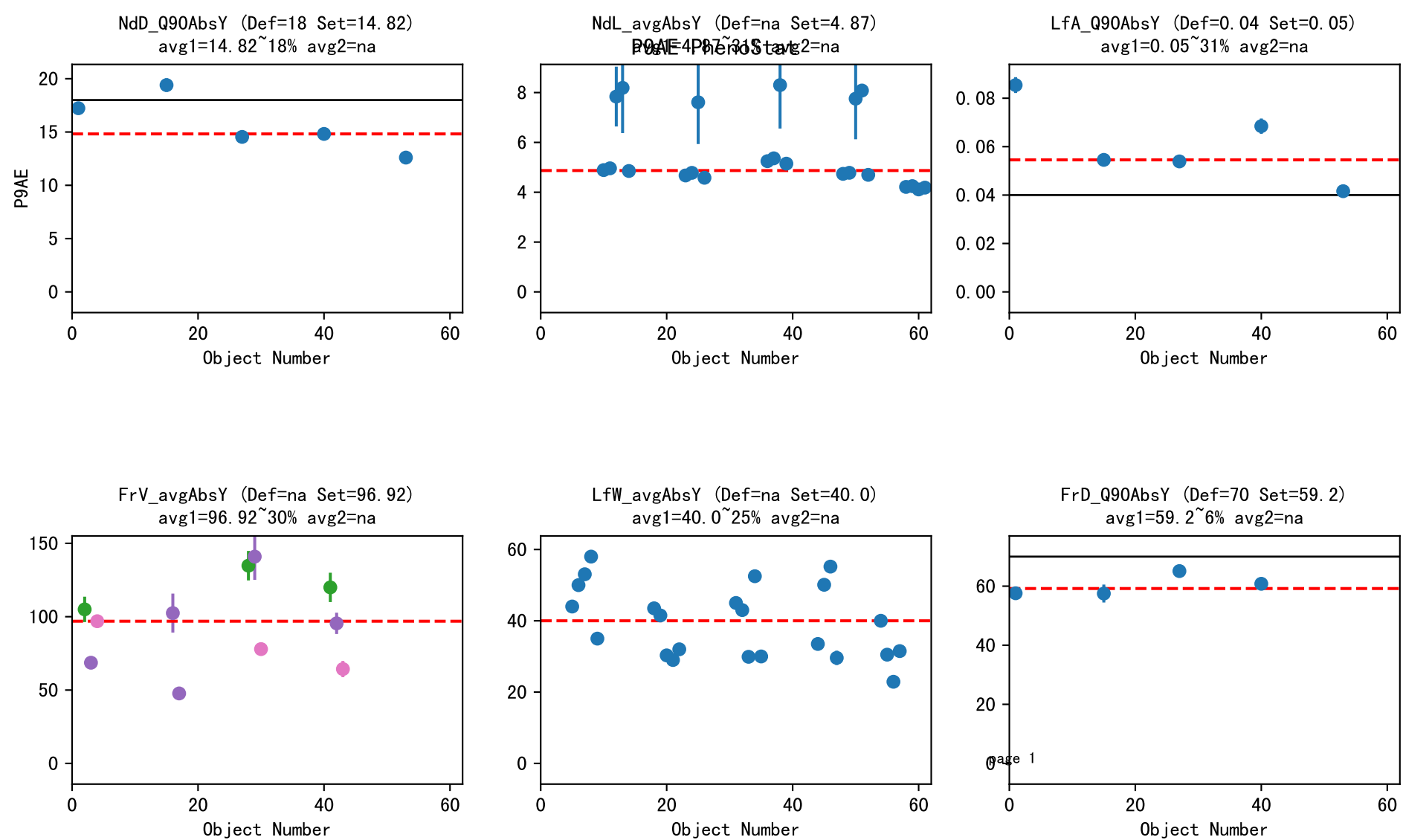
P9AE TrimFruit

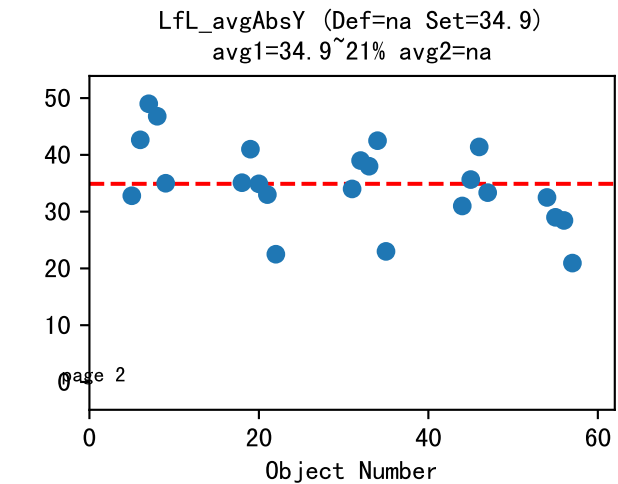
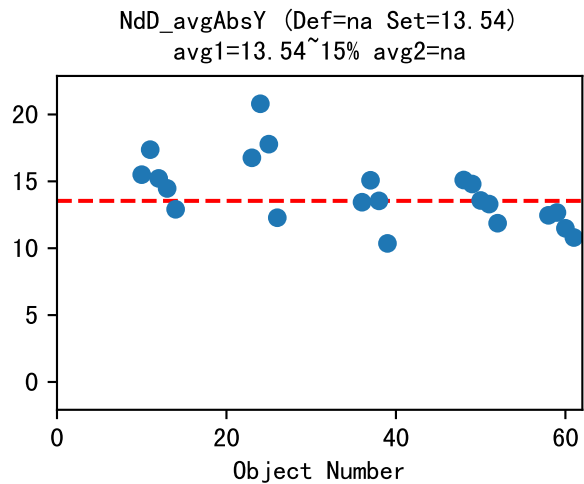
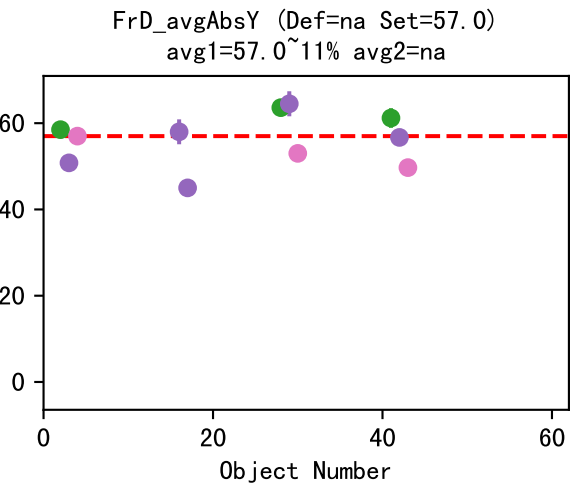
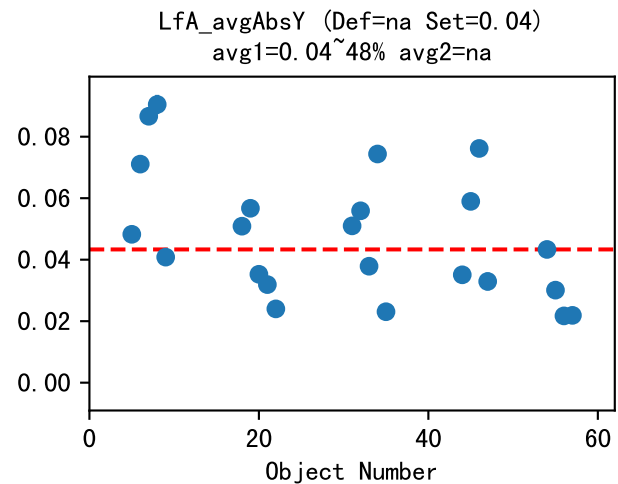
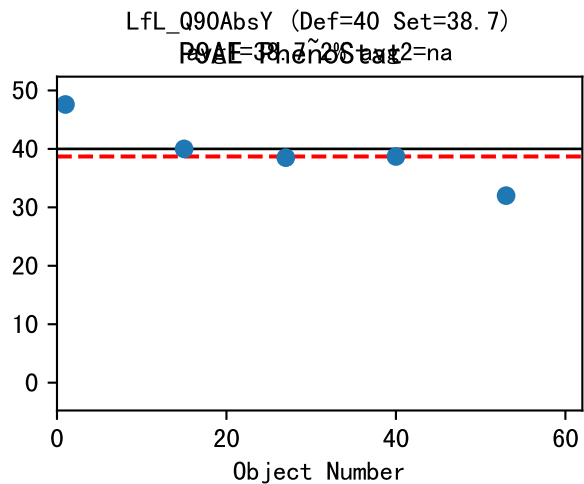
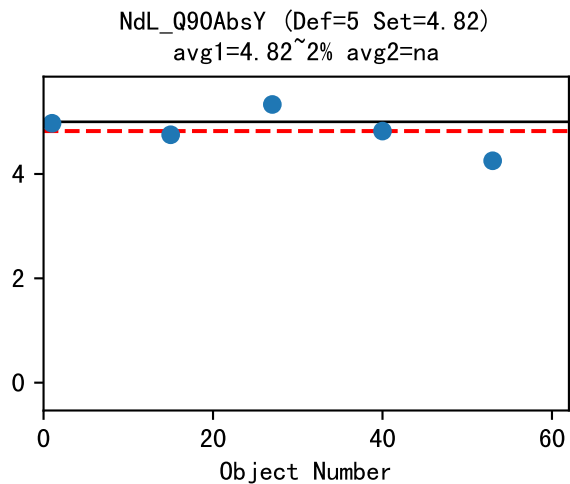


FruitNumMaxPerTruss (Def=na Set=6)

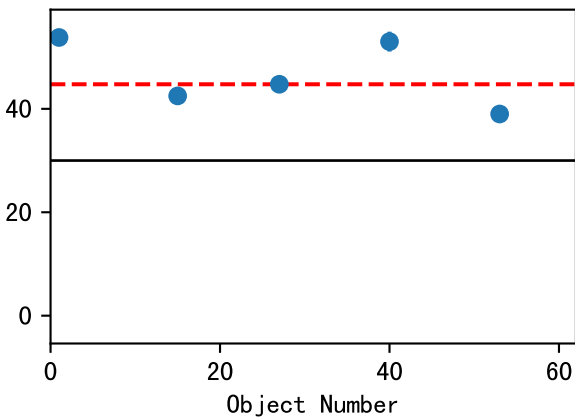
avg1=6.0~8% avg2=na



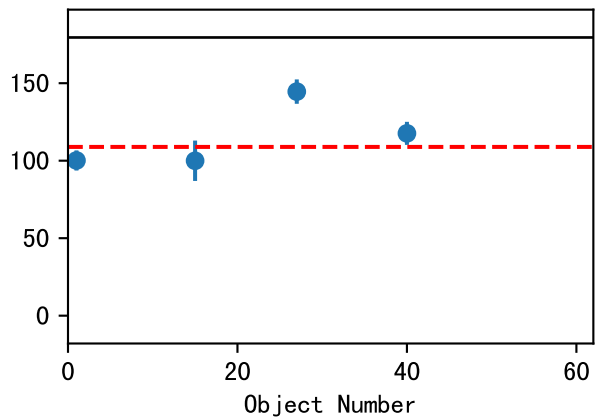




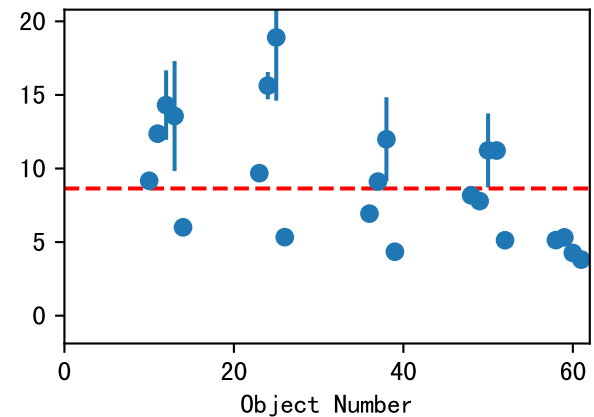
LFW_Q90AbsY (Def=30 Set=44.75)
avg1=44.75~15% avg2=na



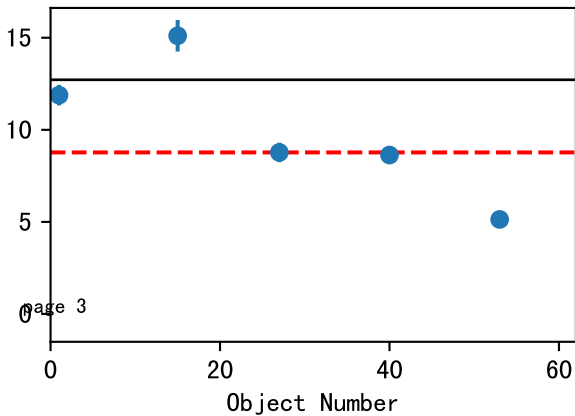
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=179.5~19% avg2=na



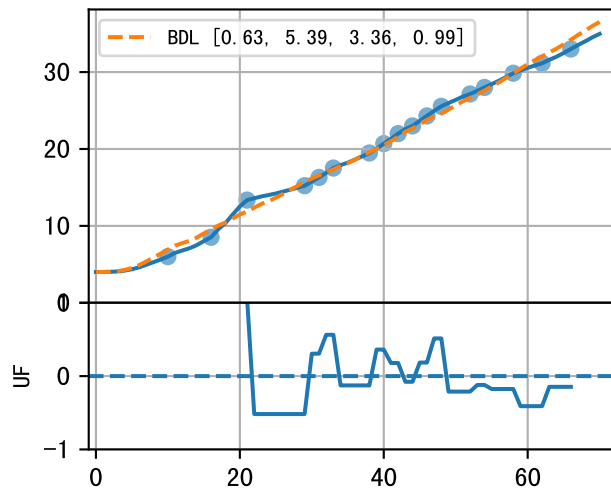
NdV_avgAbsY (Def=na Set=8.64)
avg1=8.64~48% avg2=na



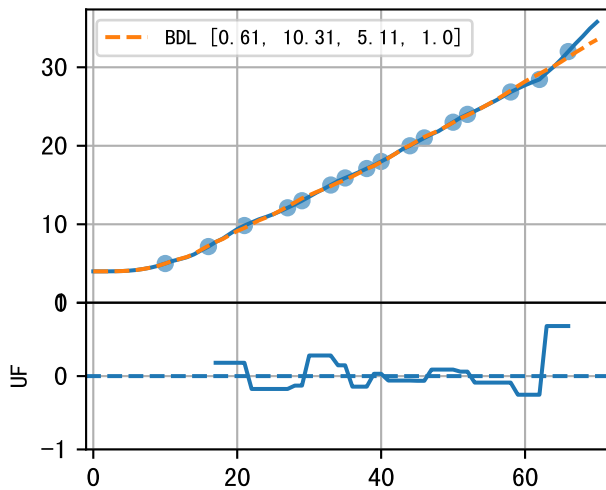
NdV_Q90AbsY (Def=12.72 Set=8.77)
avg1=8.77~43% avg2=na



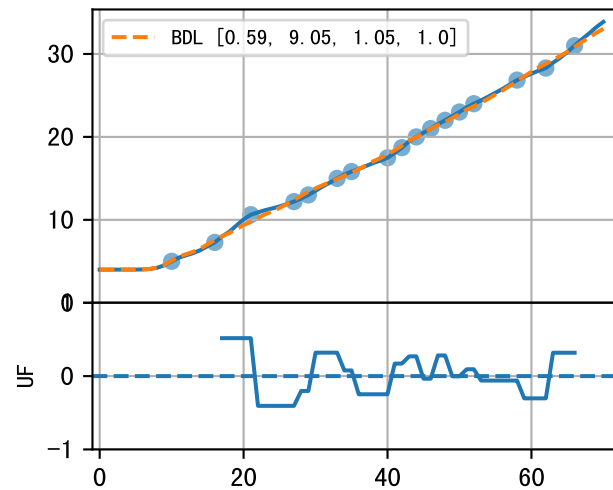
P9AE-065-3 (fit failed)



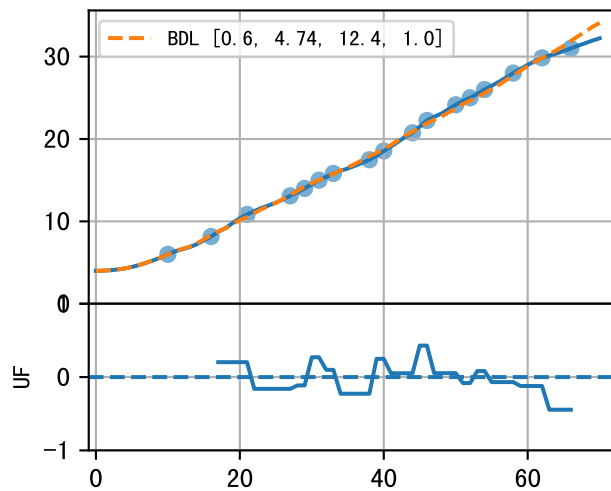
P9AE-077-12N (fit failed)



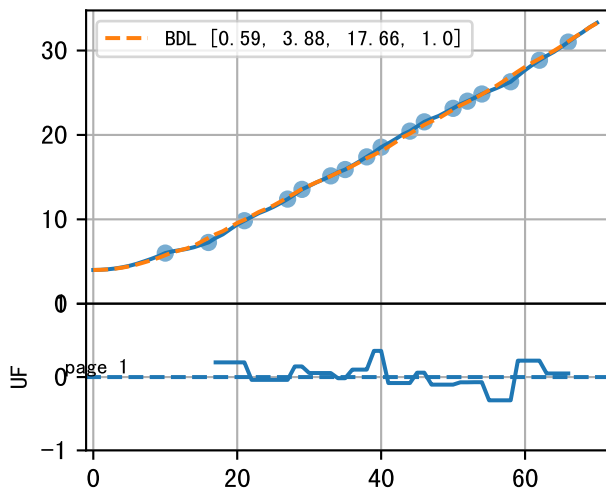
P9AE-089-25 (fit failed)



P9AE-100-19 (fit failed)



P9AE-111-7 (fit failed)

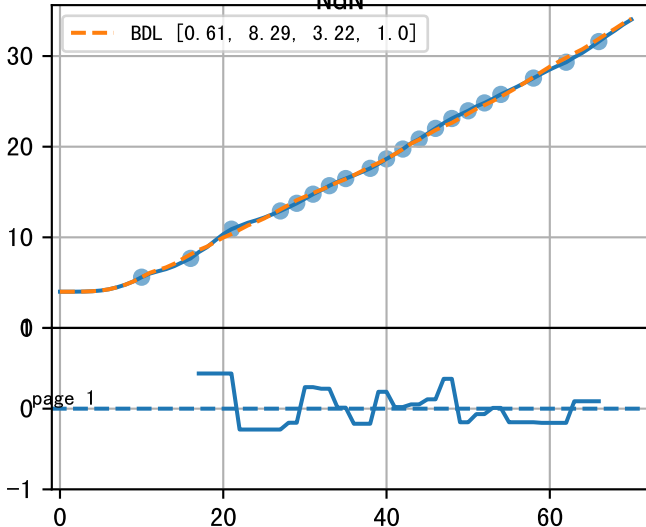


P9AEavg (fit failed)

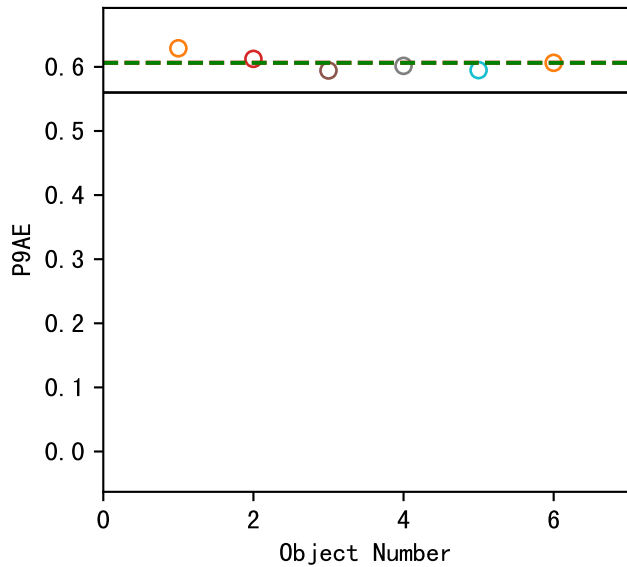
NdN

BDL [0.61, 8.29, 3.22, 1.0]

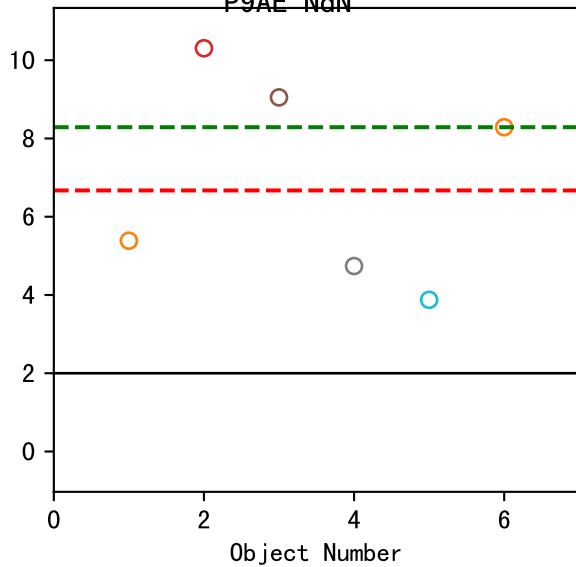
UF
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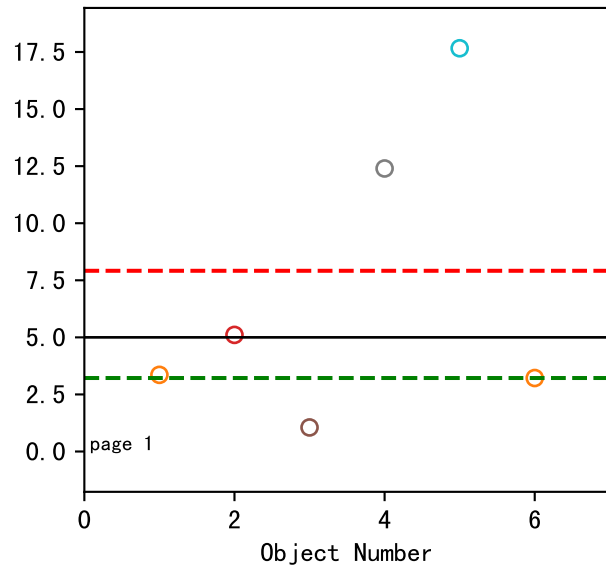
a (Def=0.56 Set=0.61)
avg1=0.61(fail) avg2=0.61



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

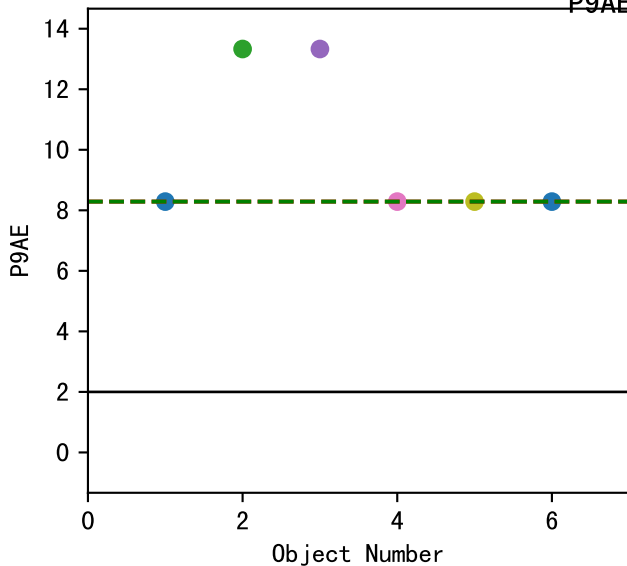


de (Def=5 Set=3.22)
avg1=7.92(fail) avg2=3.22



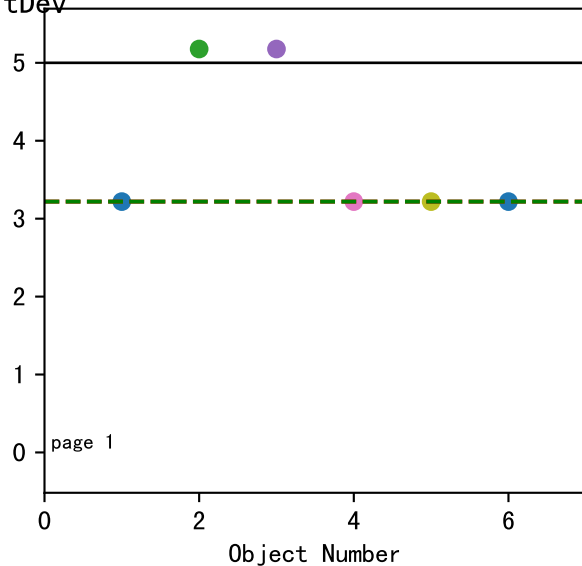
InitDev_dm (Def=2 Set=8.29)
avg1=8.29~33% avg2=8.29

P9AE

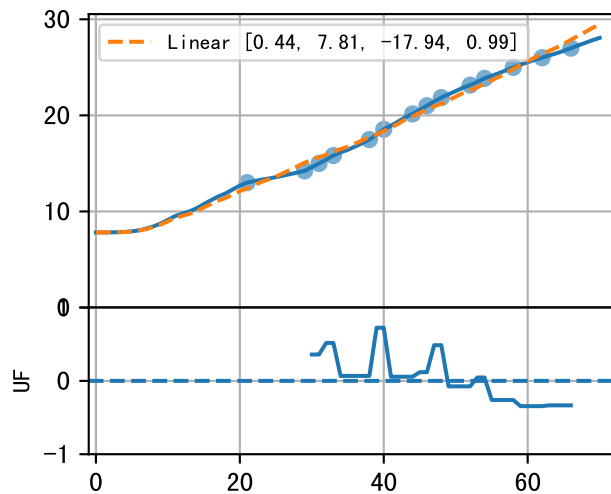


InitDev_de (Def=5 Set=3.22)
avg1=3.22~33% avg2=3.22

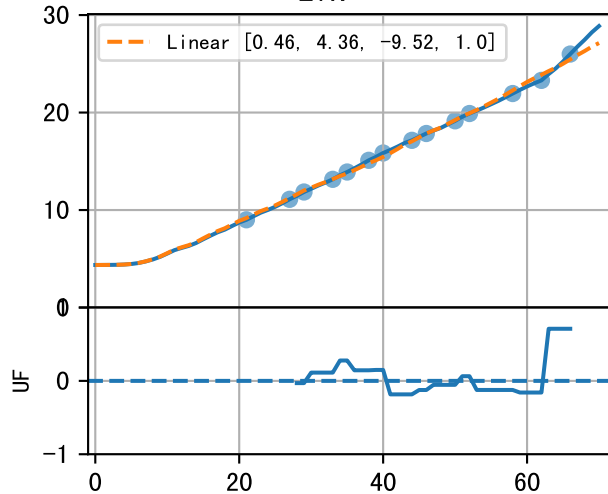
InitDev



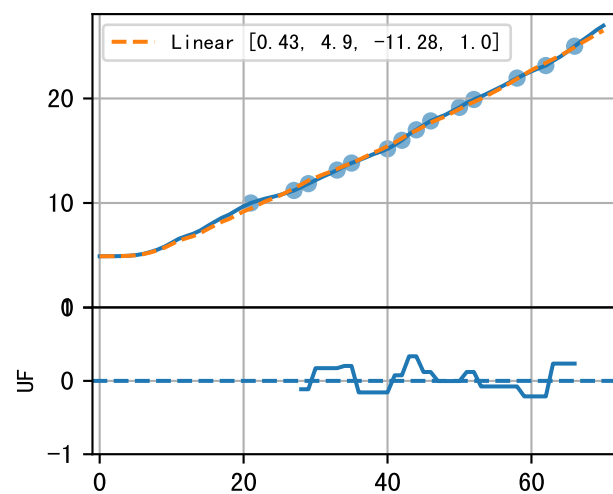
P9AE-065-3



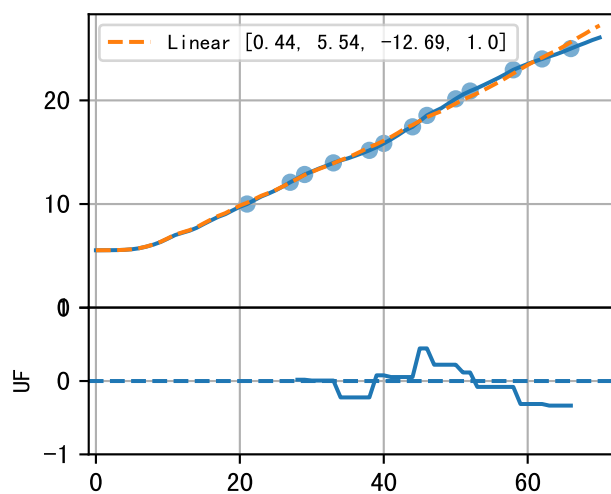
P9AE-077-32



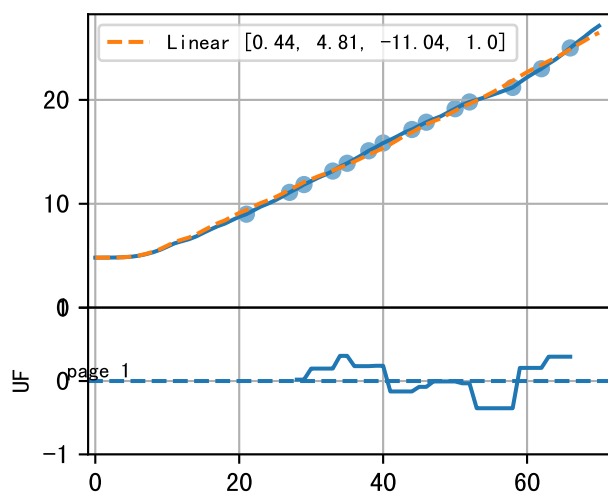
P9AE-089-25



P9AE-100-19



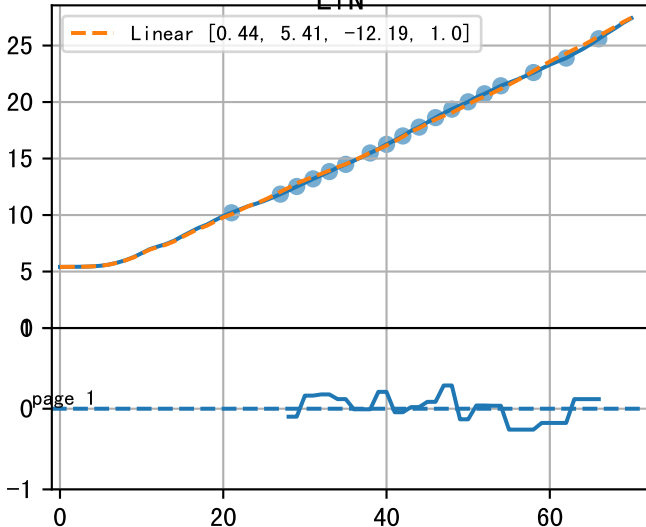
P9AE-111-7

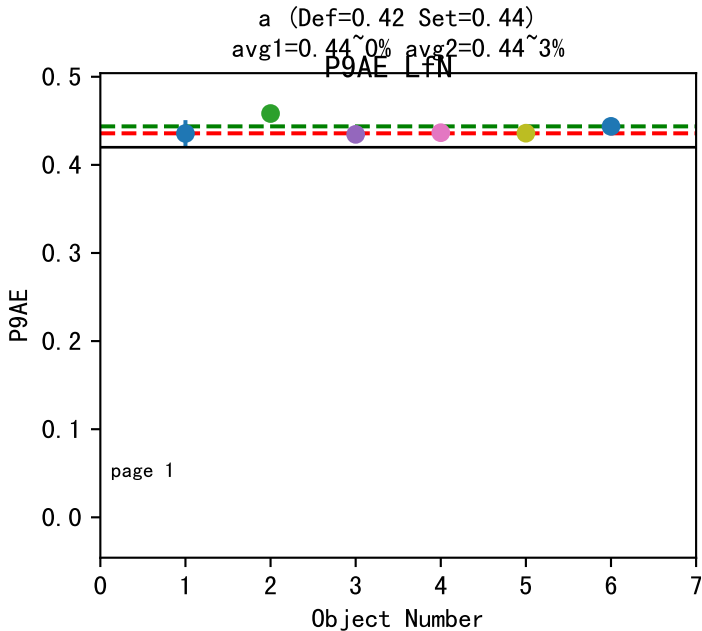


P9A_{Favg}
L_{fN}

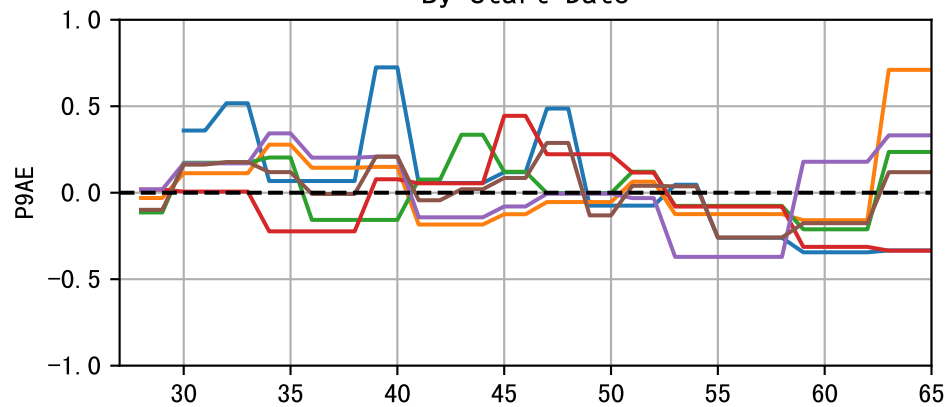
Linear [0.44, 5.41, -12.19, 1.0]

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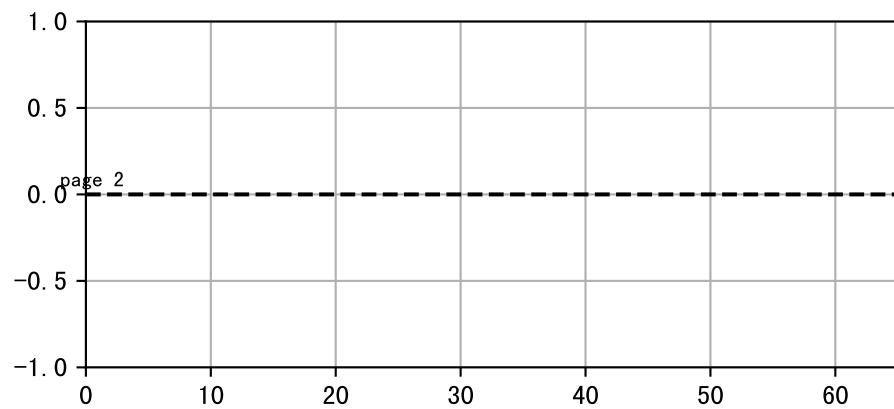
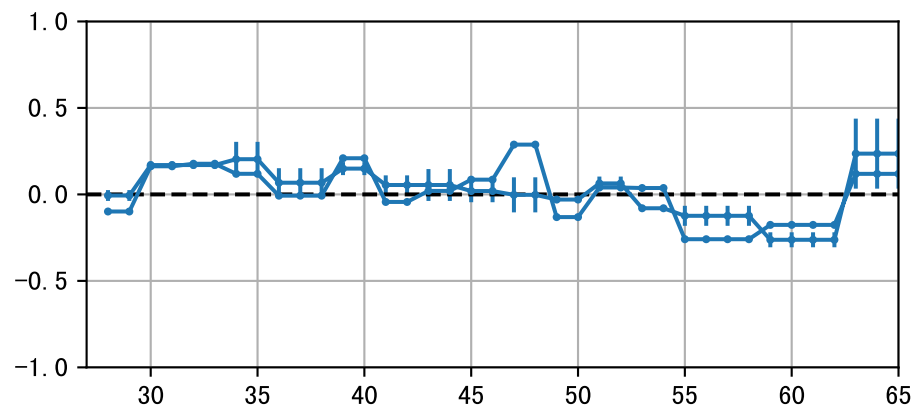
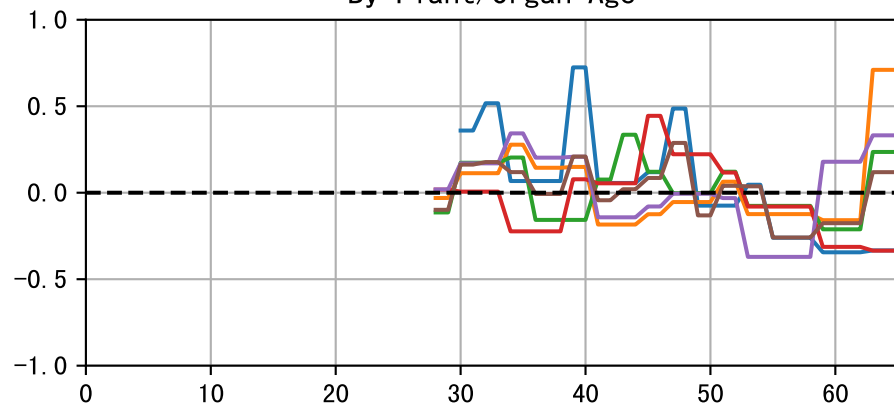




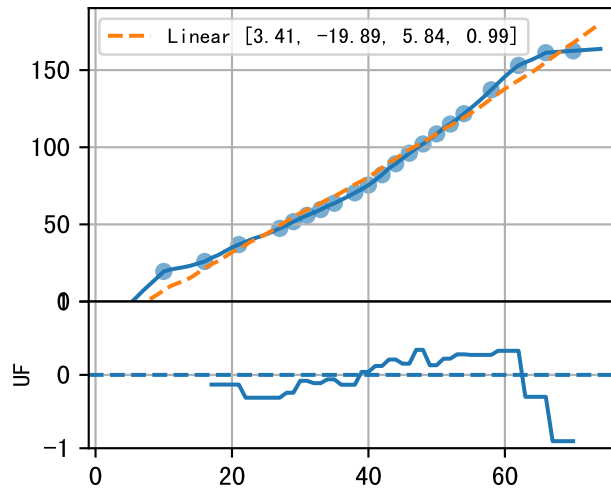
By Start Date



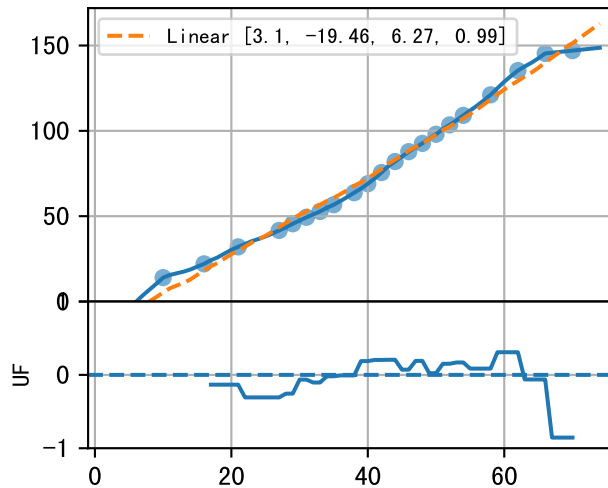
By Plant/Organ Age



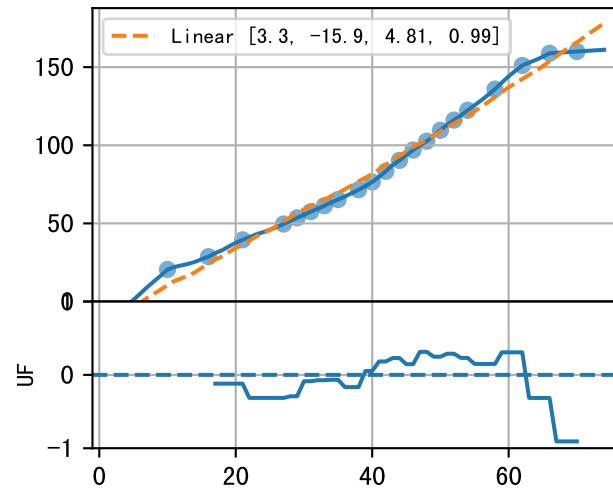
P9AE-065-3



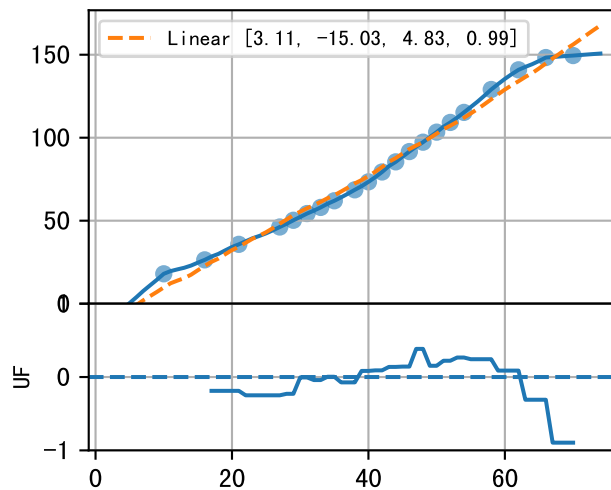
P9AE-077-32



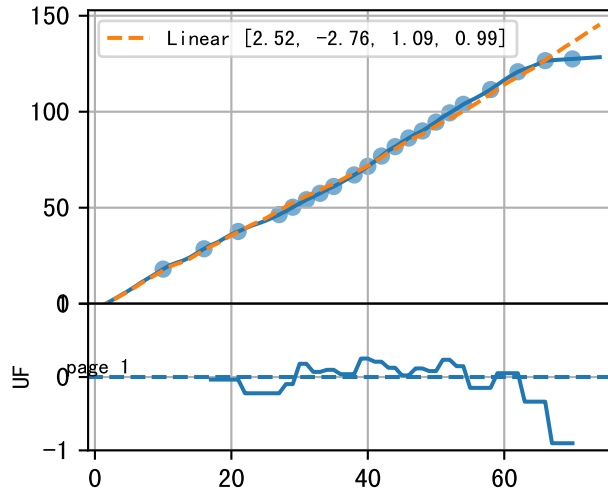
P9AE-089-25



P9AE-100-19

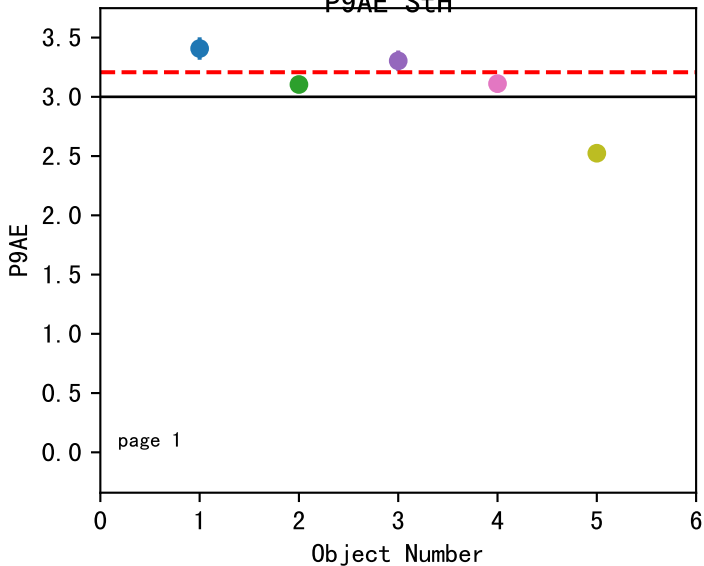


P9AE-111-7

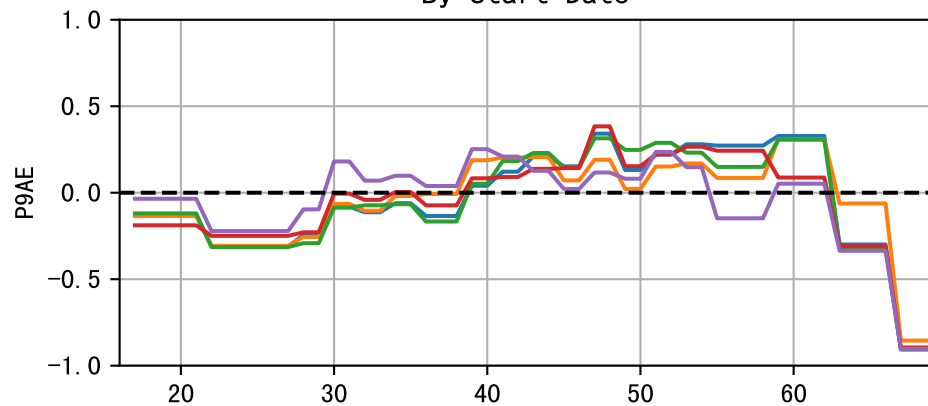


a (Def=3 Set=3.21)
avg1=3.21~5% avg2=na

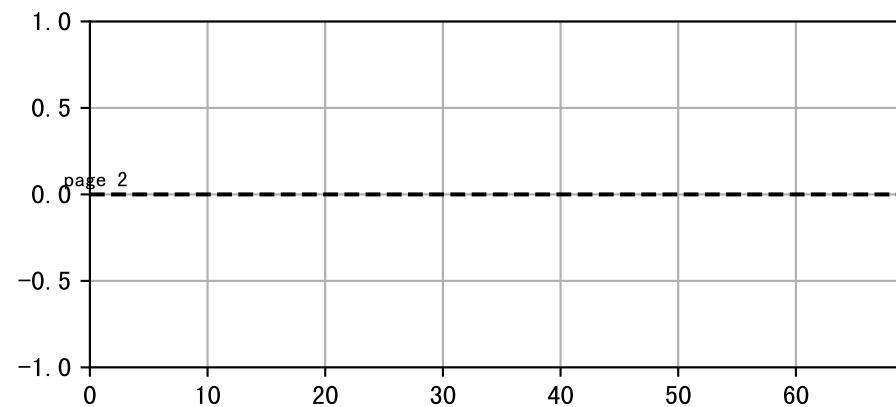
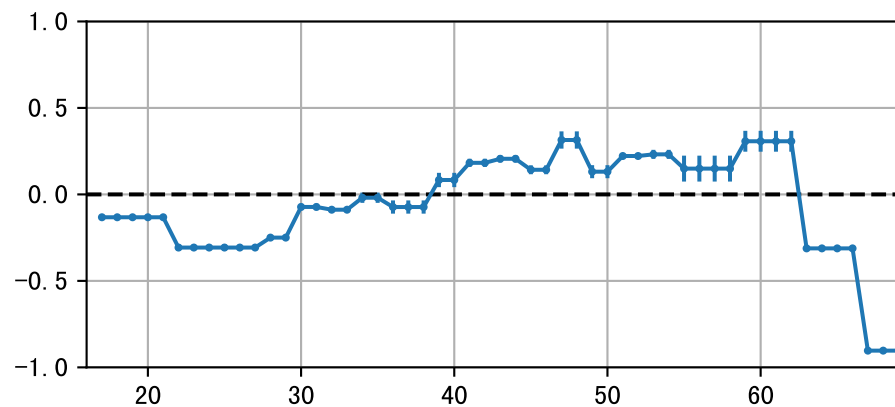
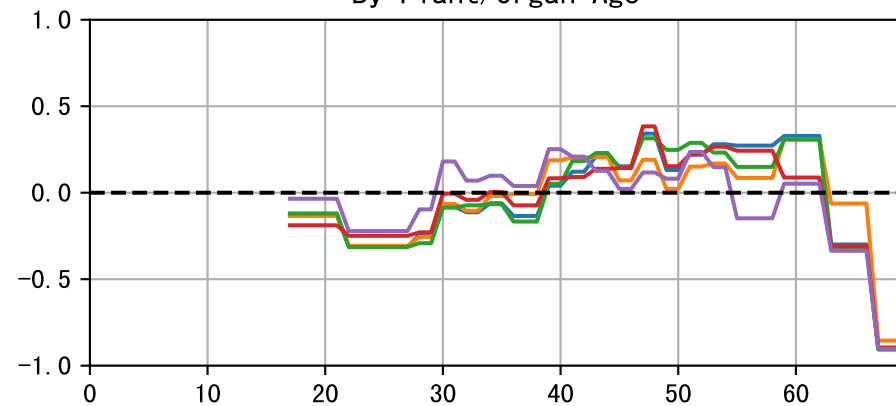
P9AE StH



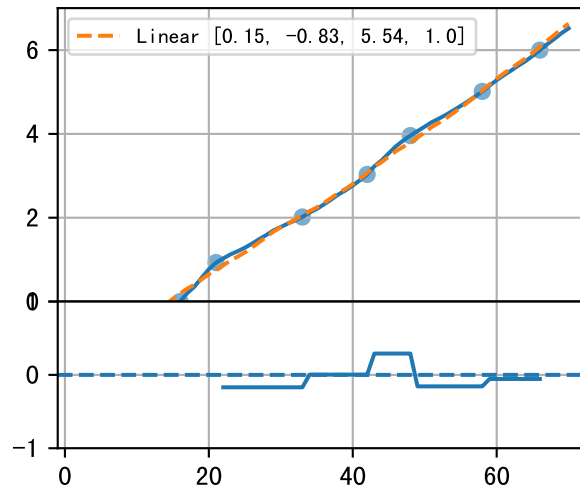
By Start Date



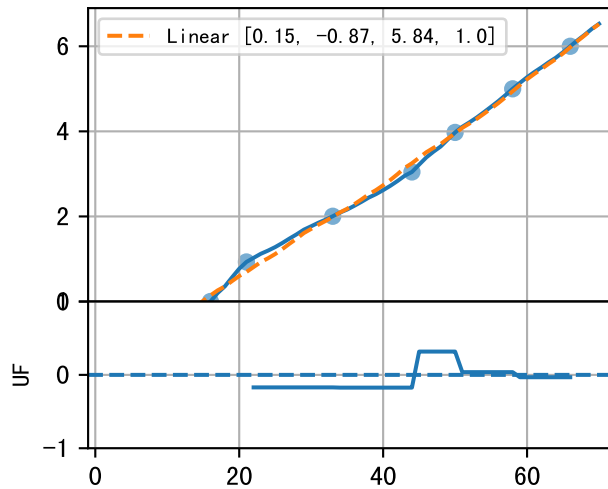
By Plant/Organ Age



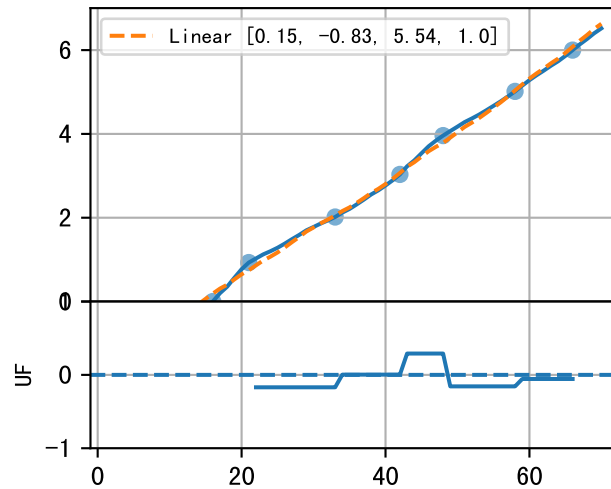
P9AE-065-3



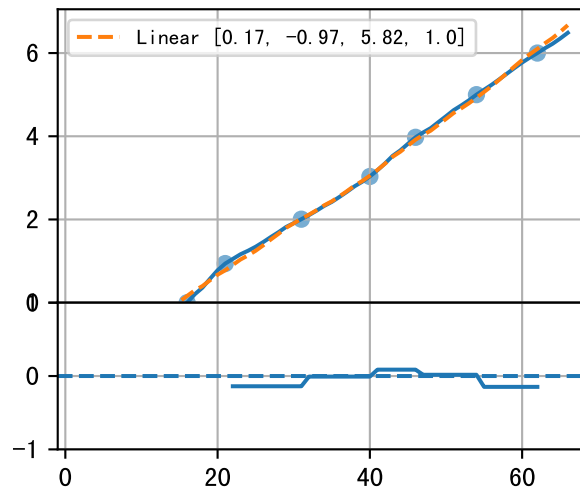
P9AE-077-32



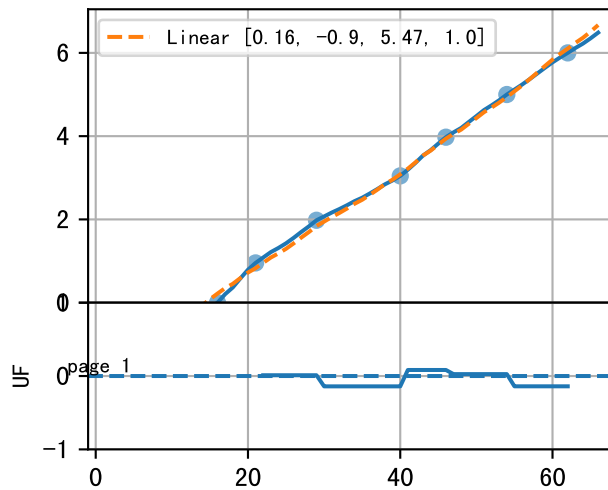
P9AE-089-25



P9AE-100-19



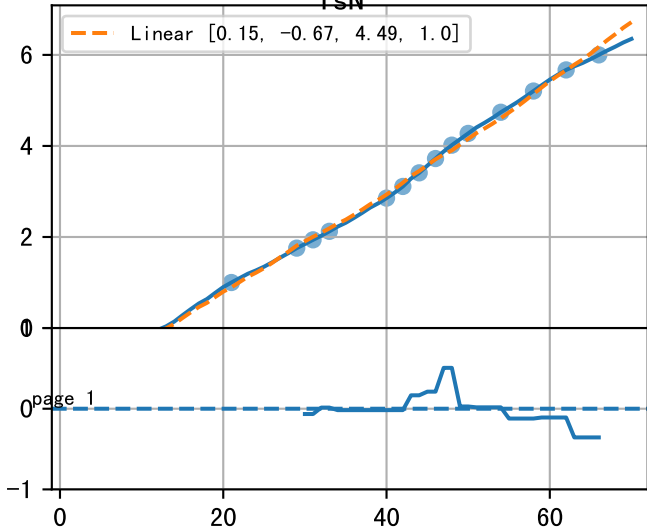
P9AE-111-7



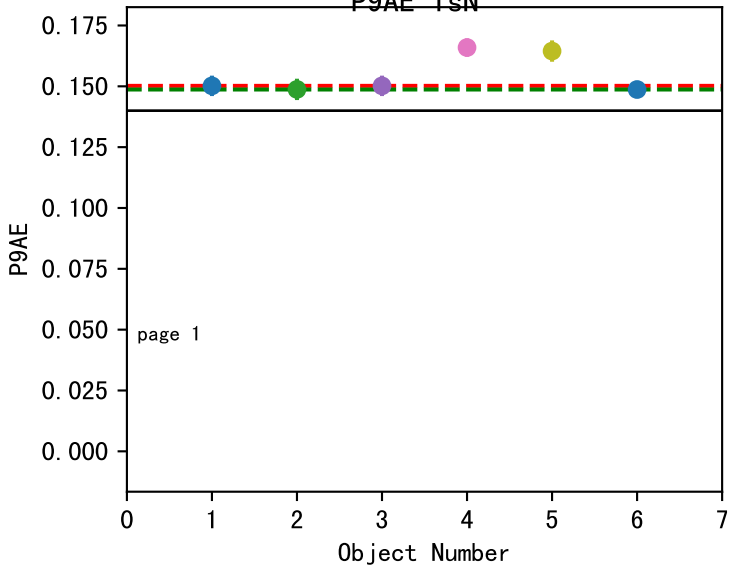
P9AEavg
T_{SN}

Linear [0.15, -0.67, 4.49, 1.0]

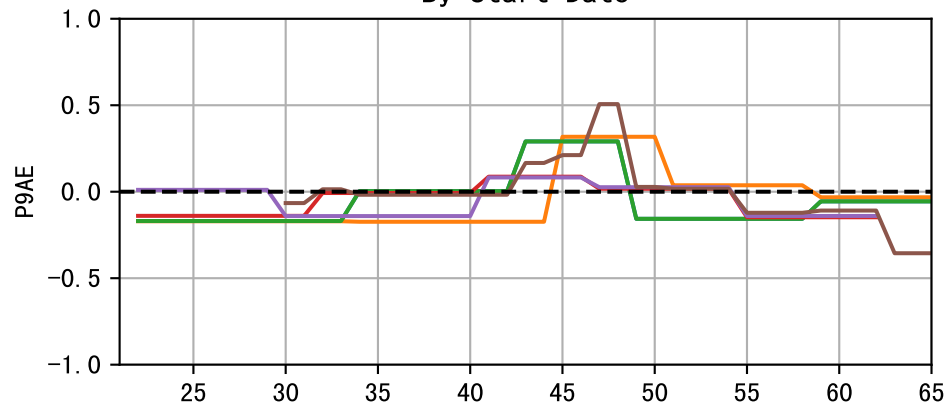
UF
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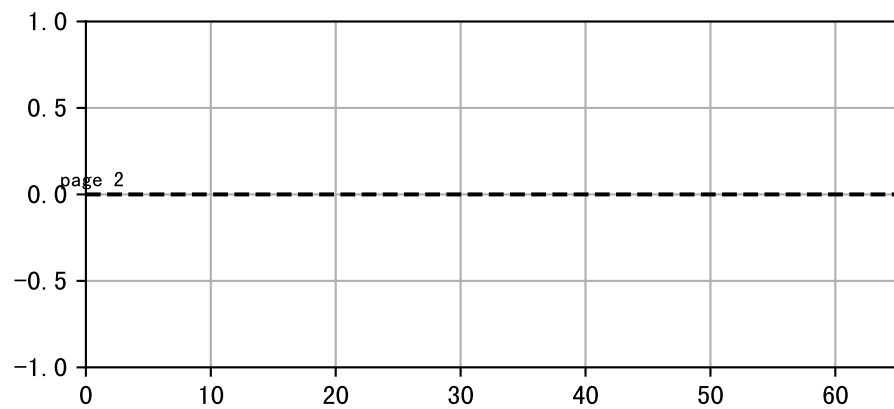
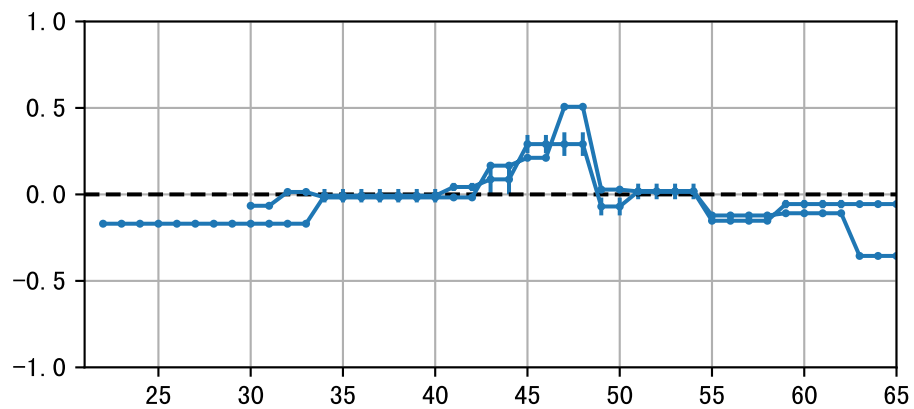
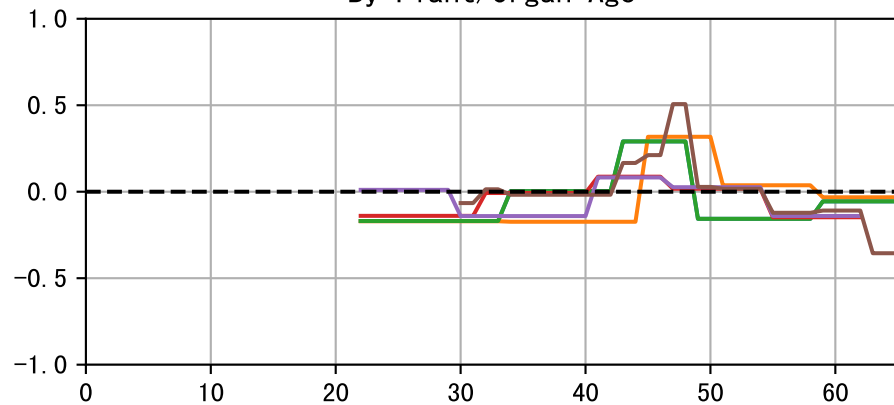
a (Def=0.14 Set=0.15)
avg1=0.15^{~6%} avg2=0.15^{~4%}
P9AE TSN

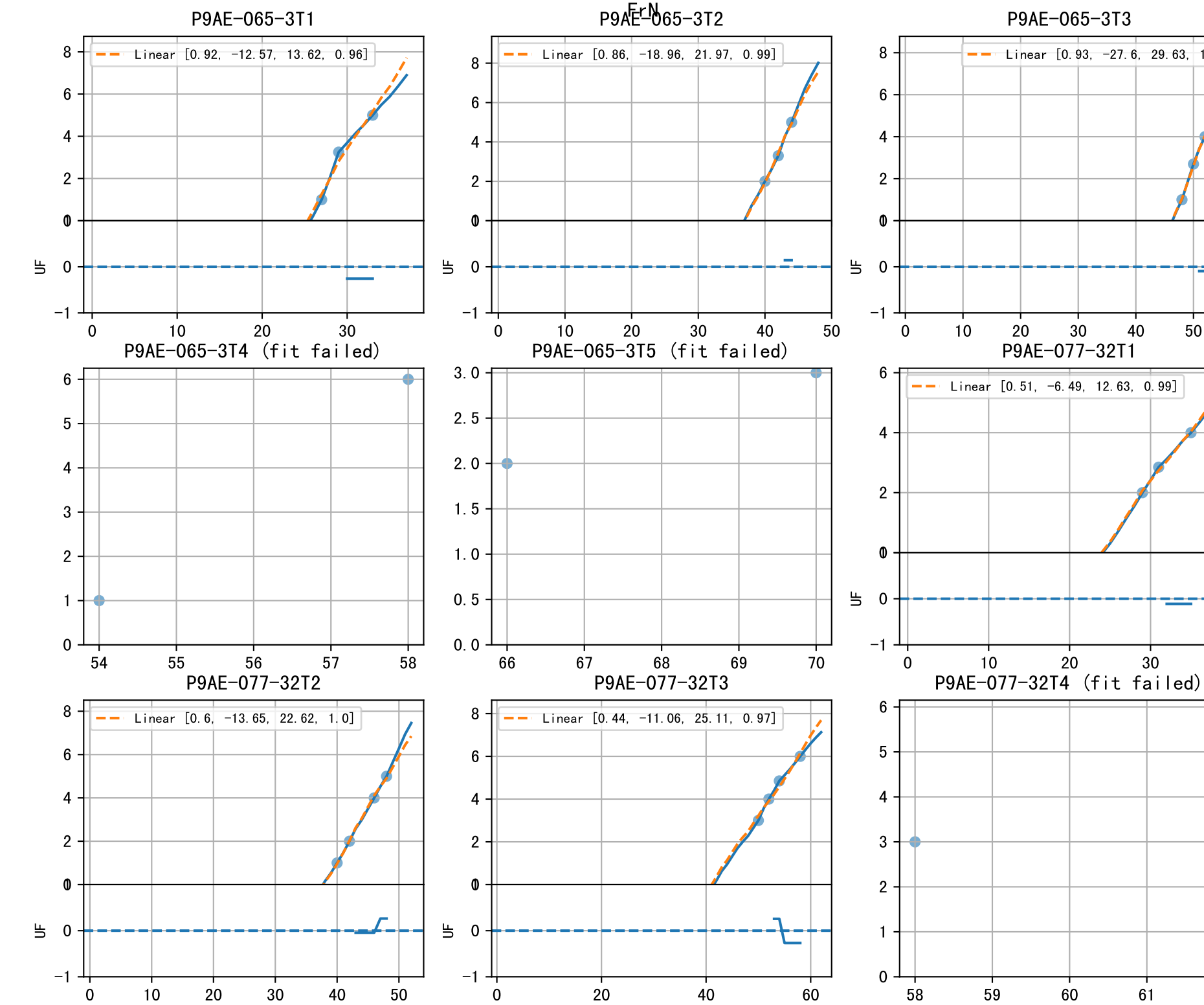


By Start Date

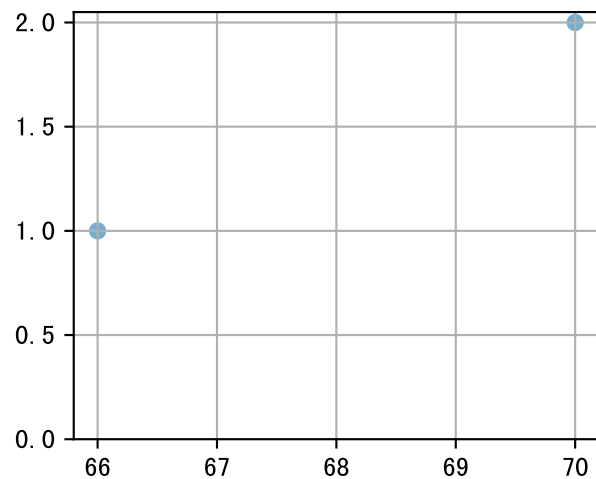


By Plant/Organ Age

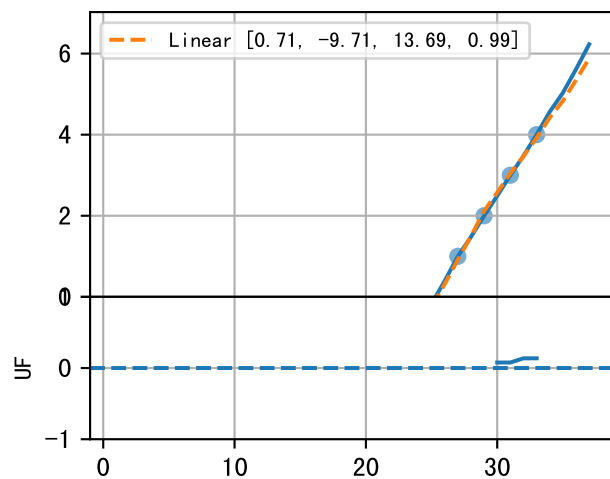




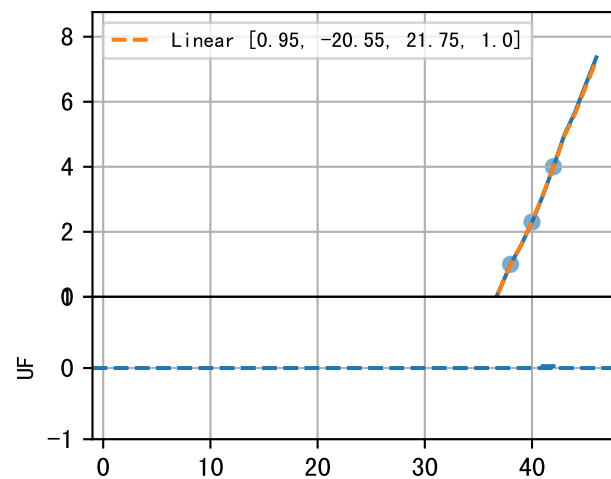
P9AE-077-32T5 (fit failed)



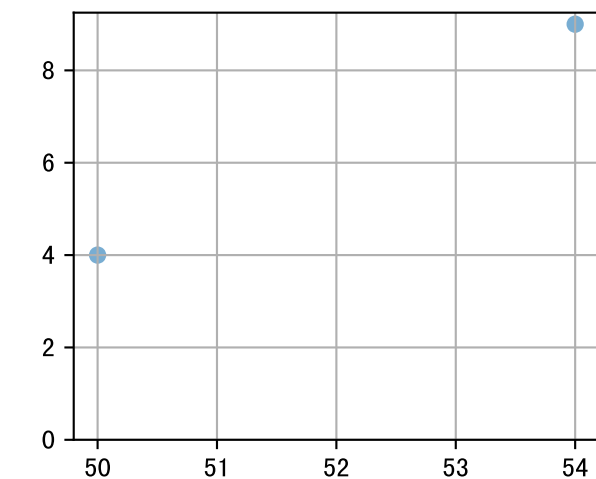
P9AE-089-25T1



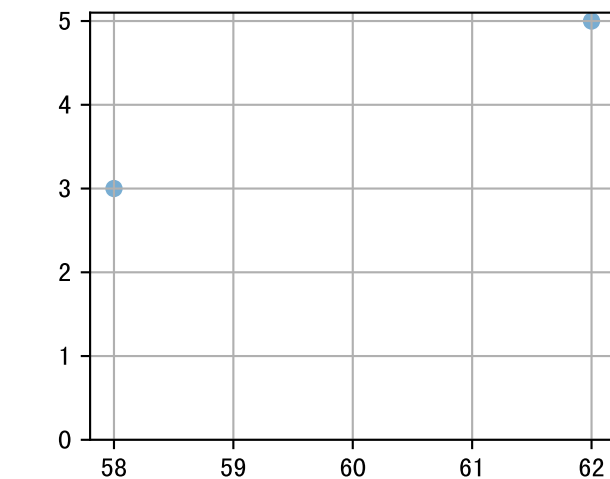
P9AE-089-25T2



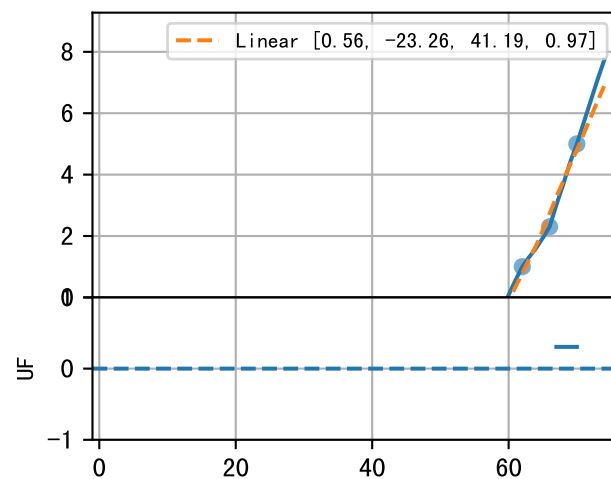
P9AE-089-25T3 (fit failed)



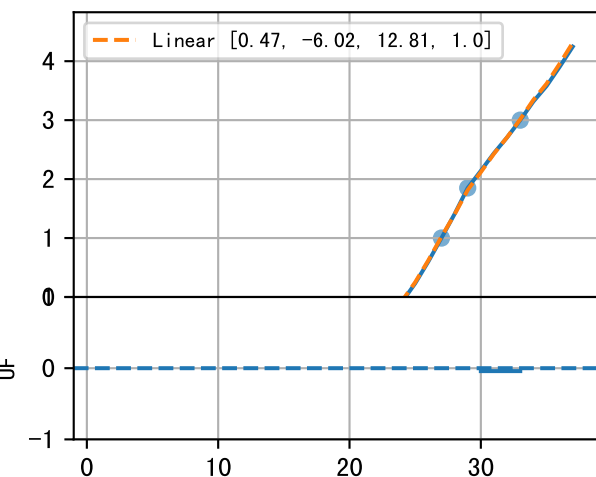
P9AE-089-25T4 (fit failed)



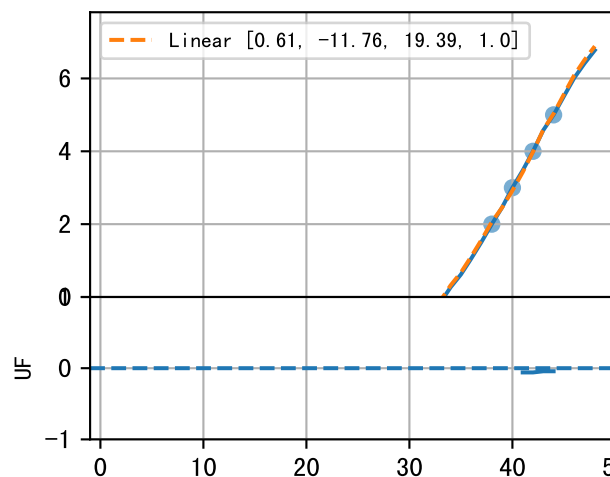
P9AE-089-25T5



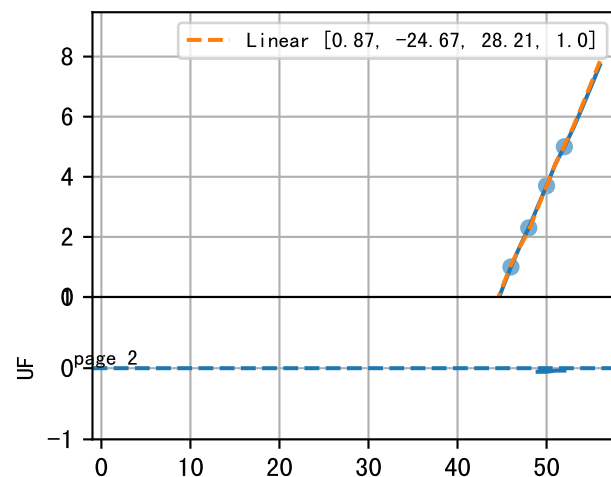
P9AE-100-19T1

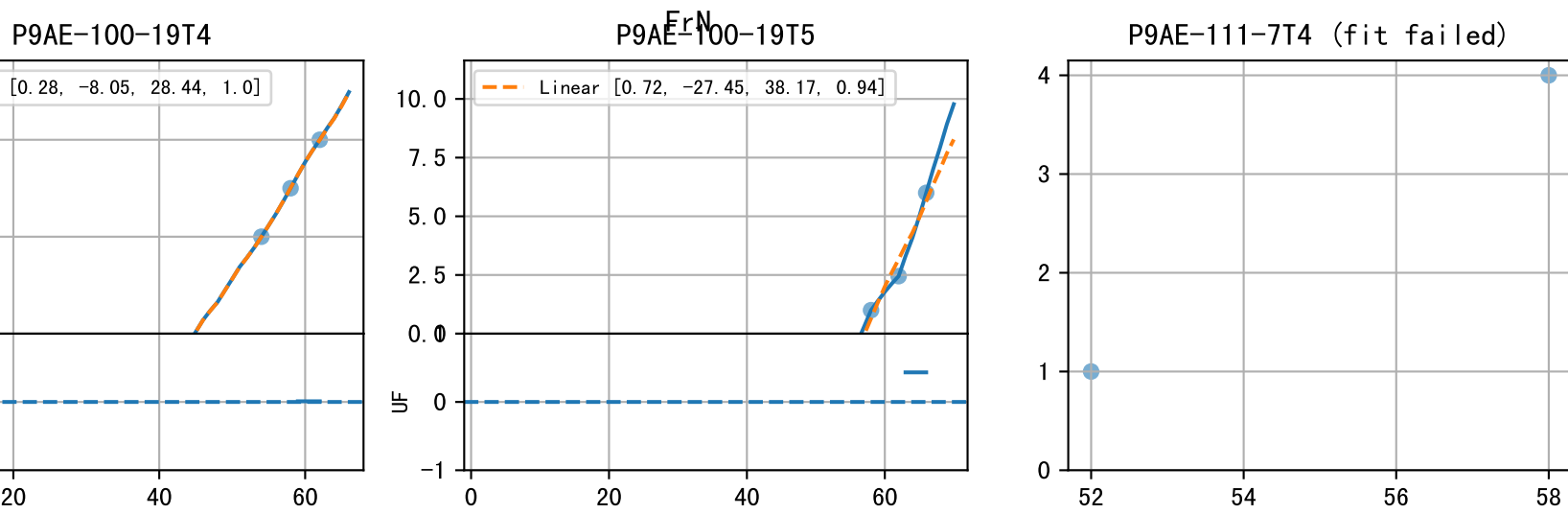


P9AE-100-19T2

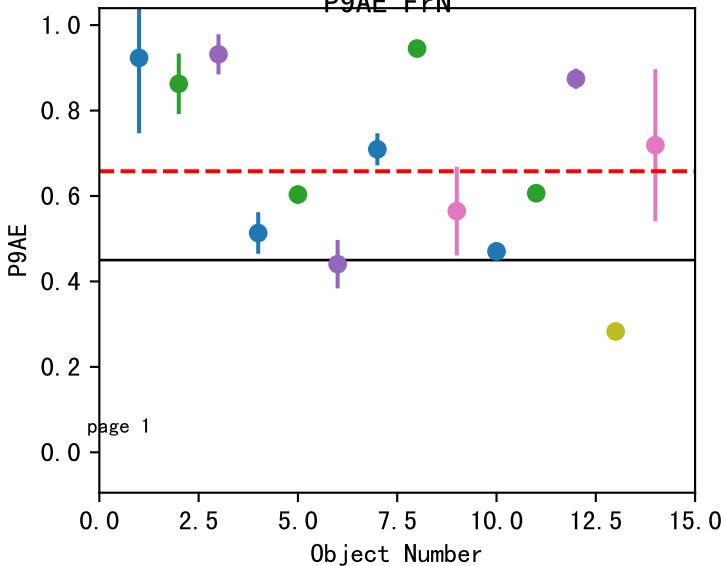


P9AE-100-19T3

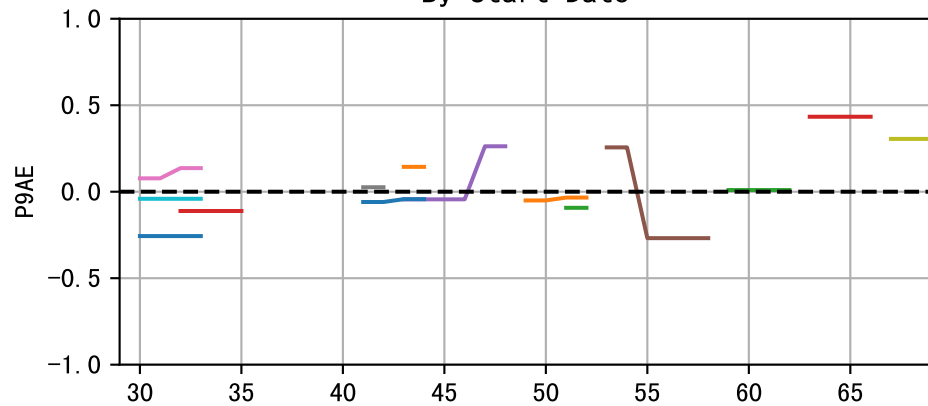




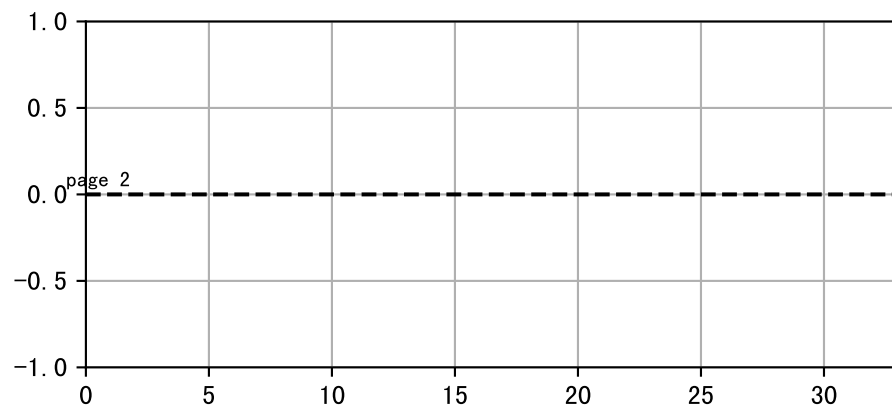
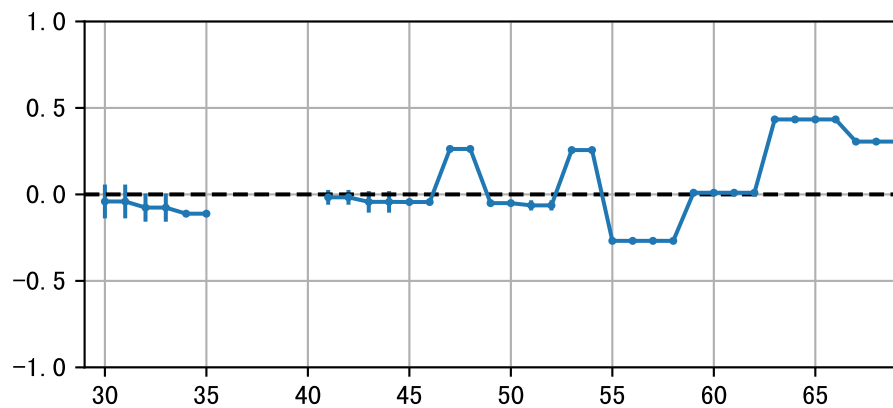
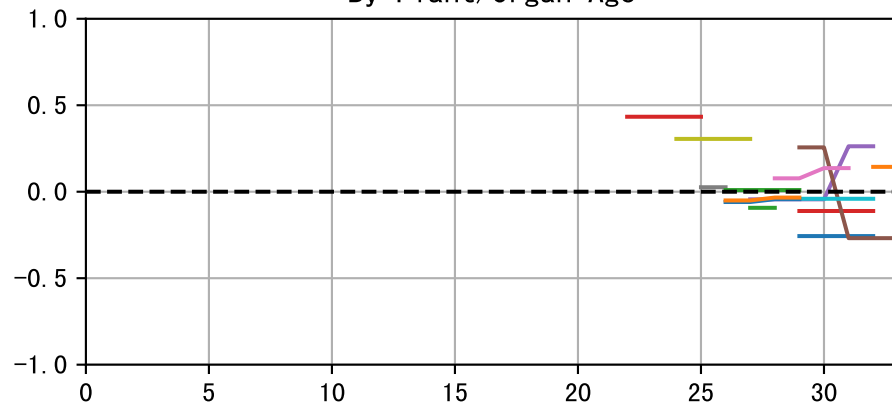
a (Def=0.45 Set=0.66)
avg1=0.66~32% avg2=na

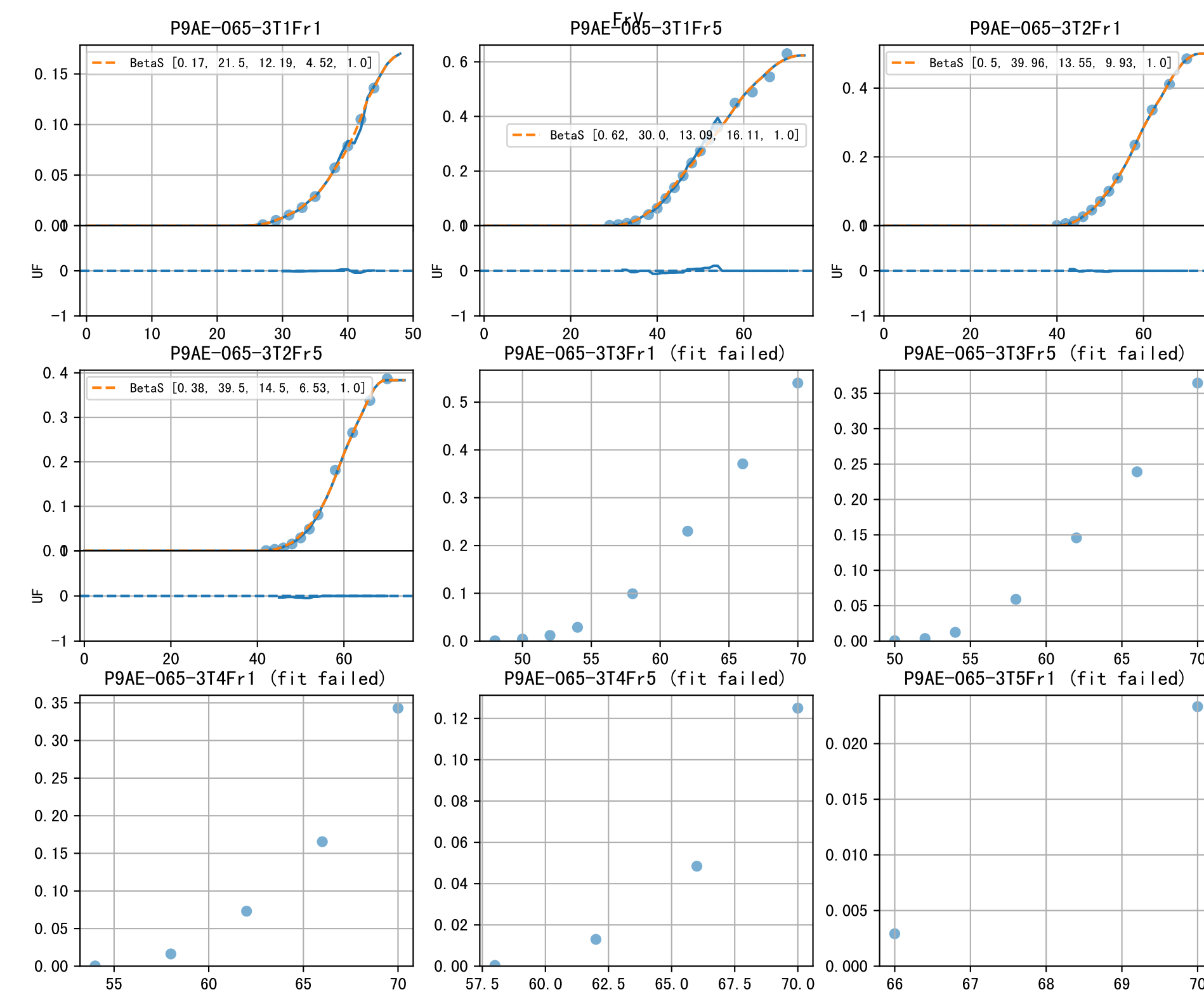


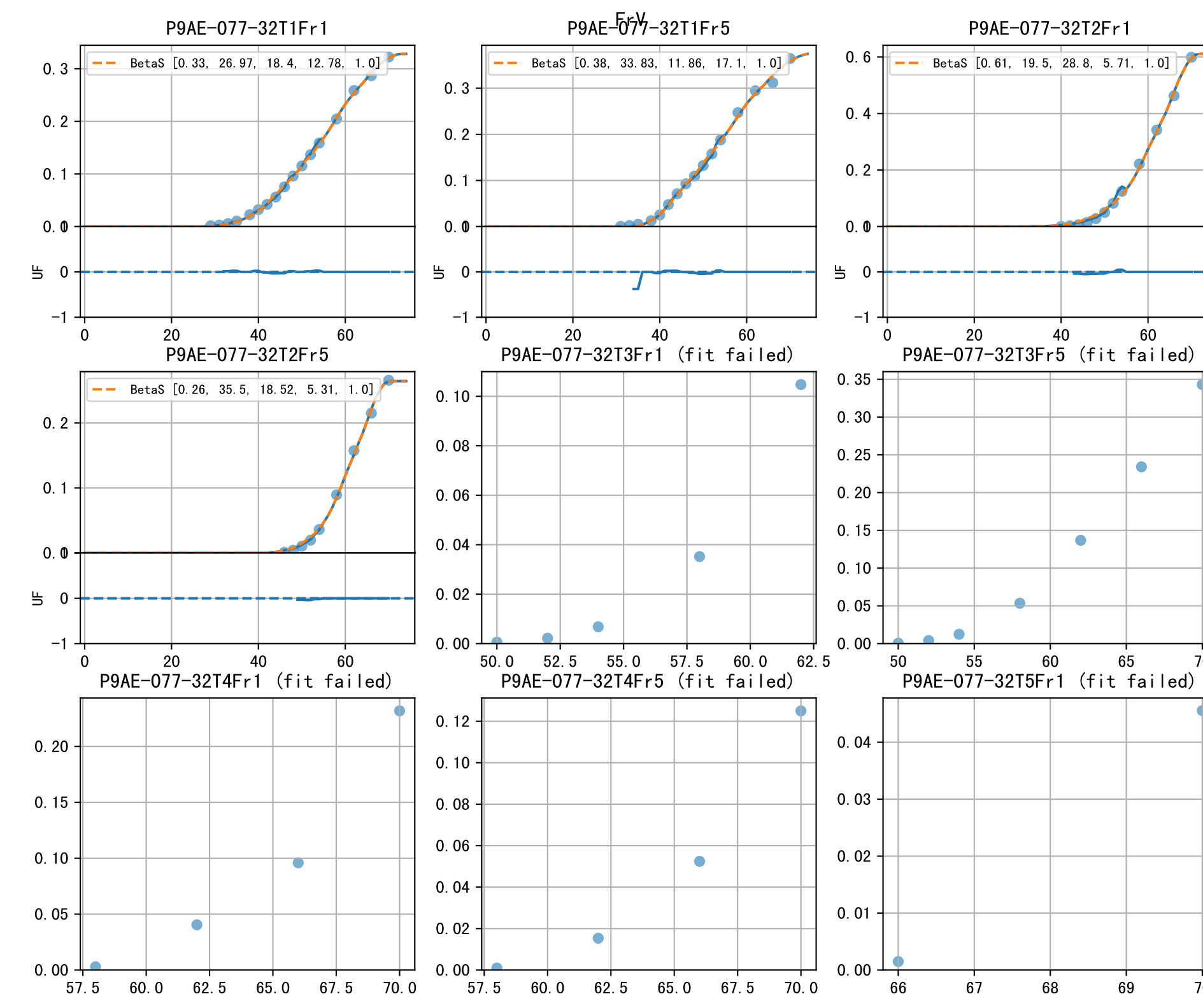
By Start Date

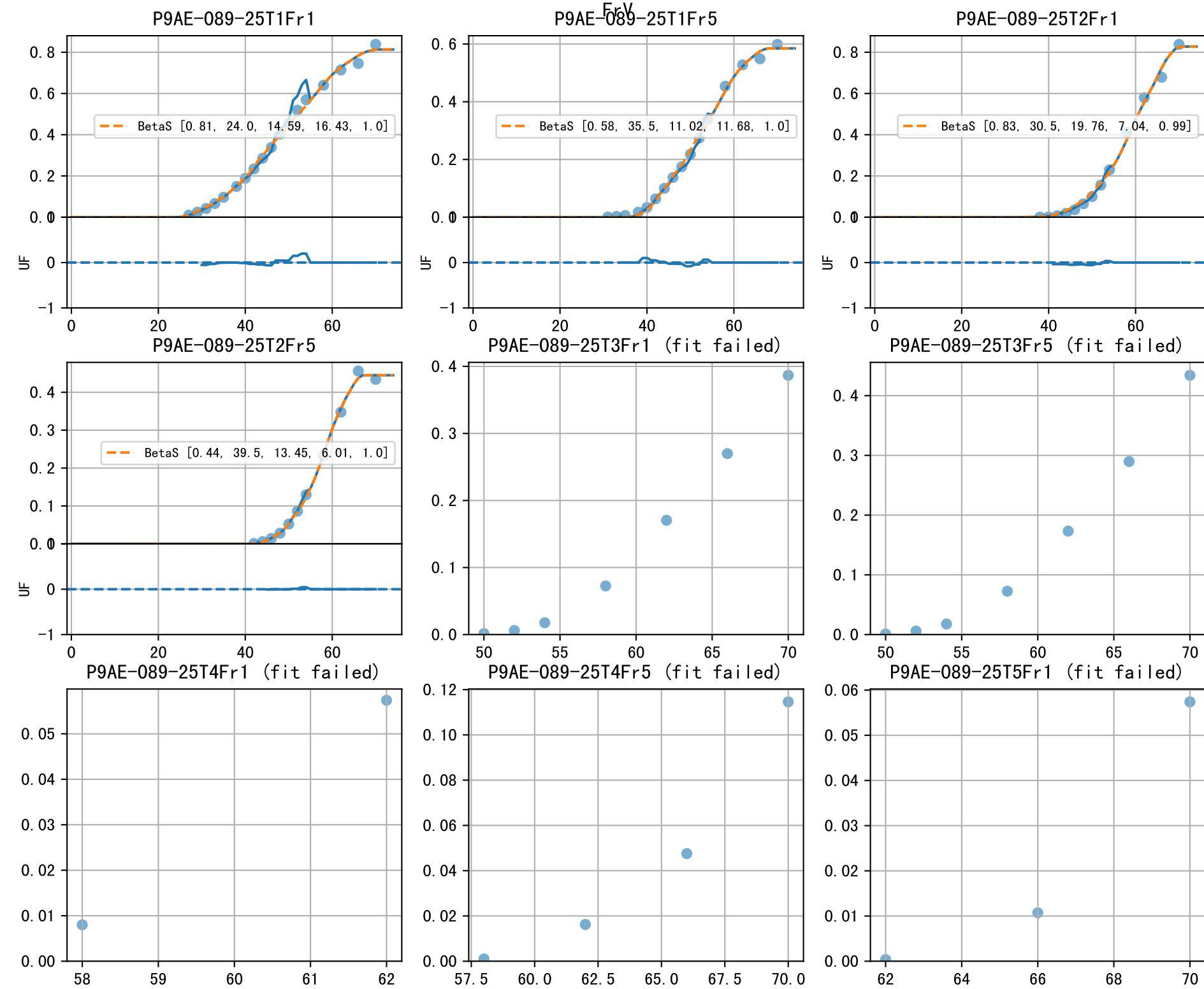


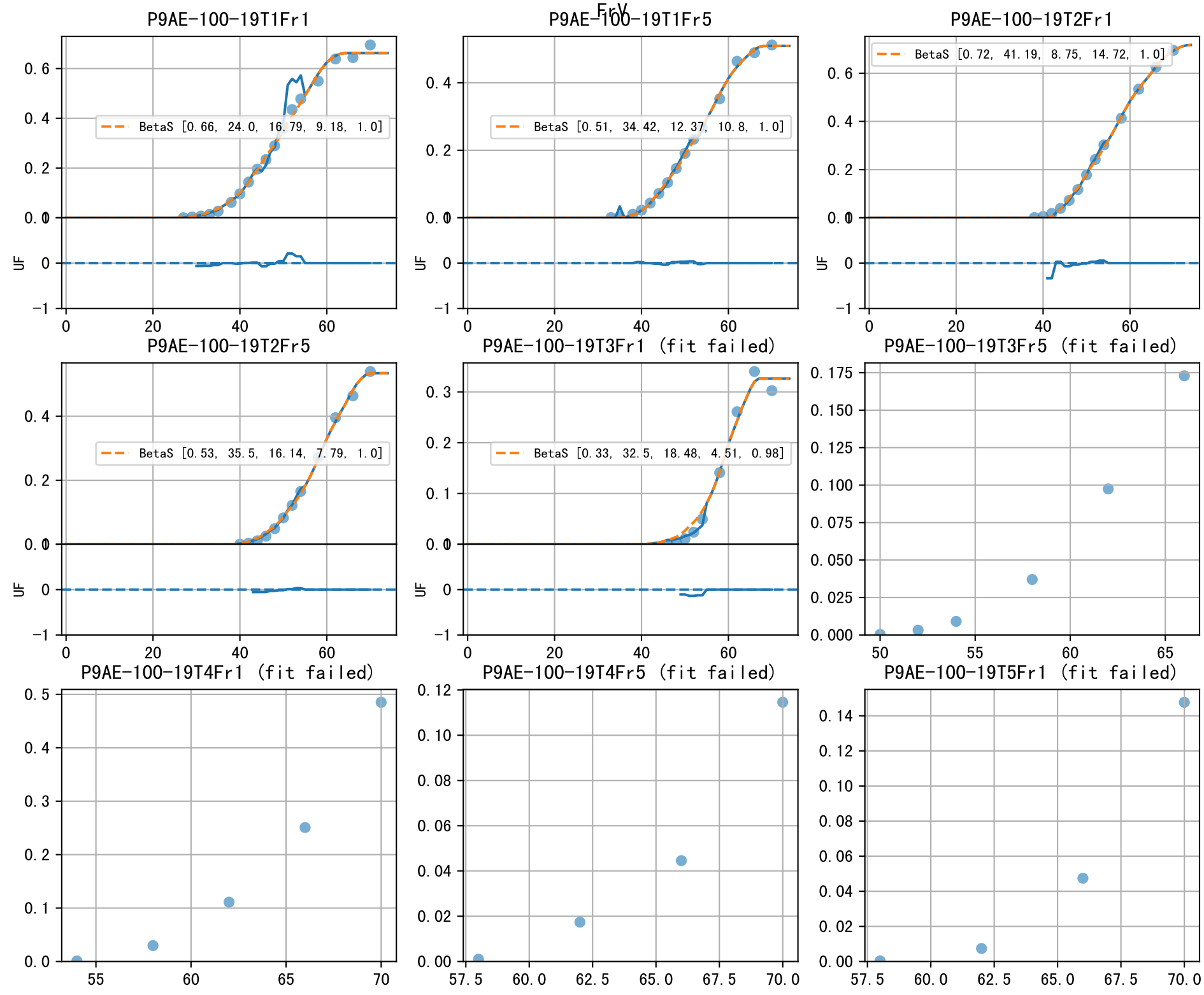
By Plant/Organ Age

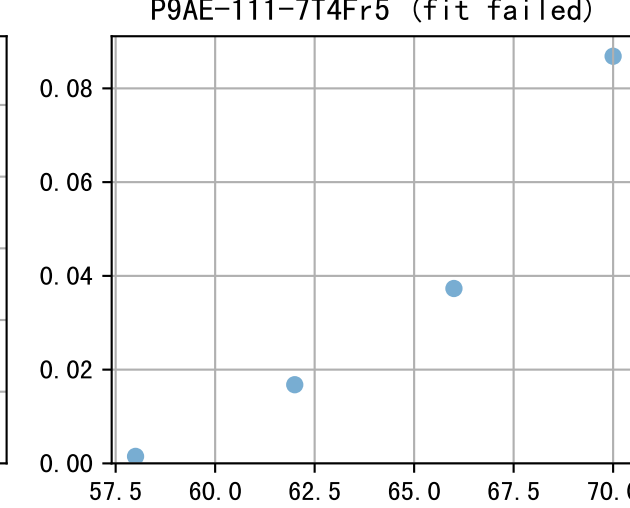
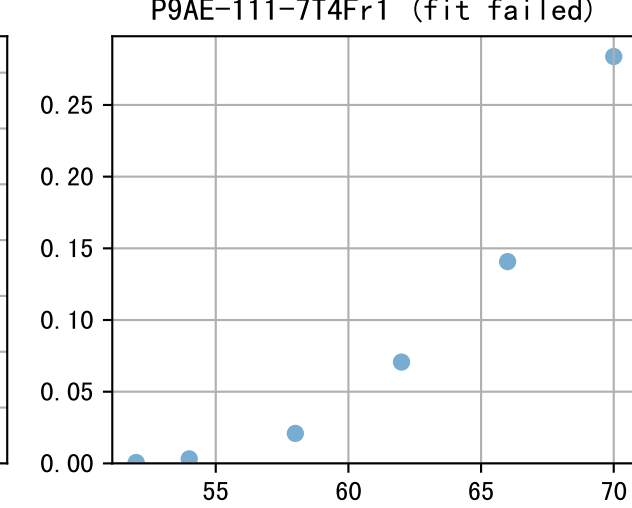
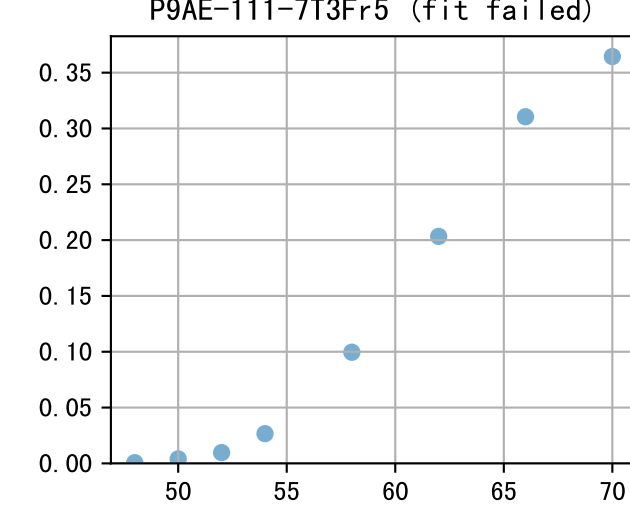
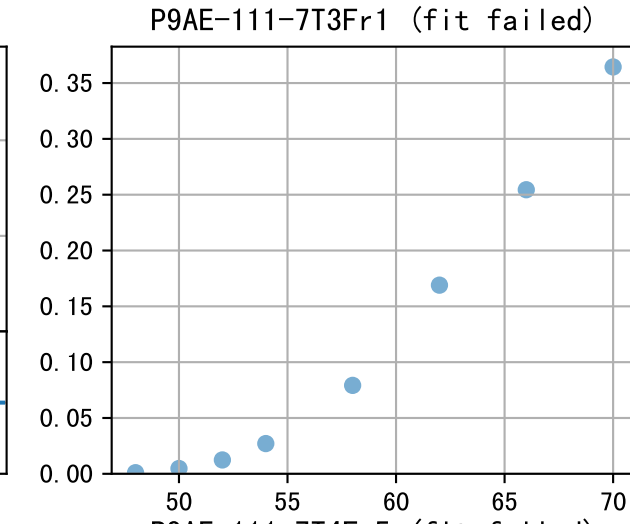
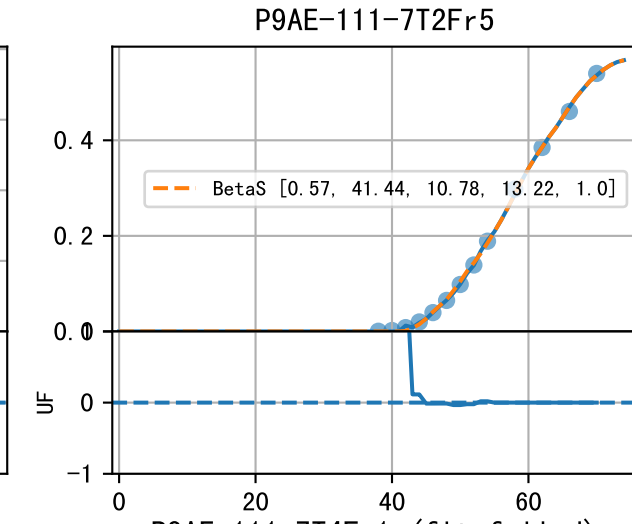
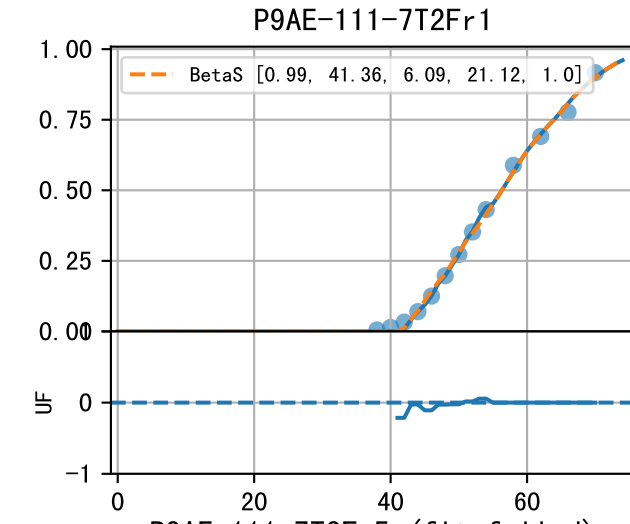
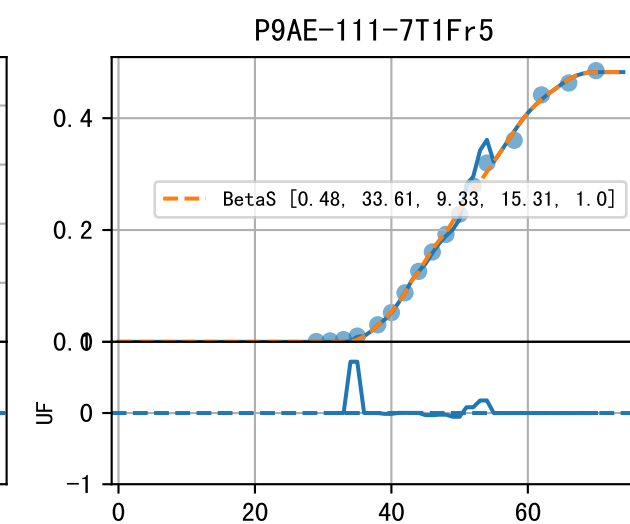
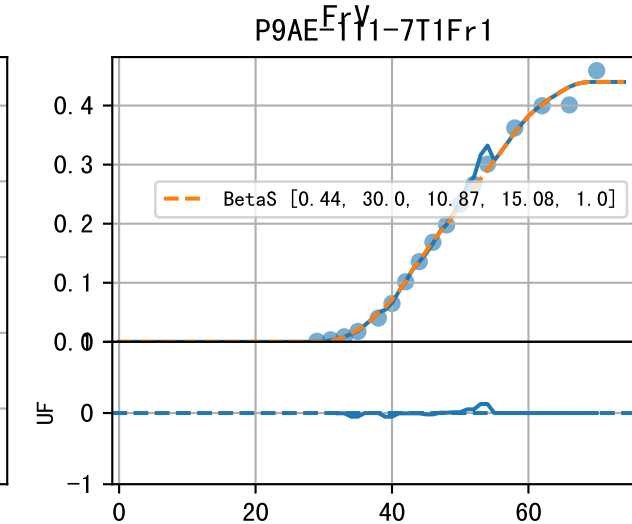
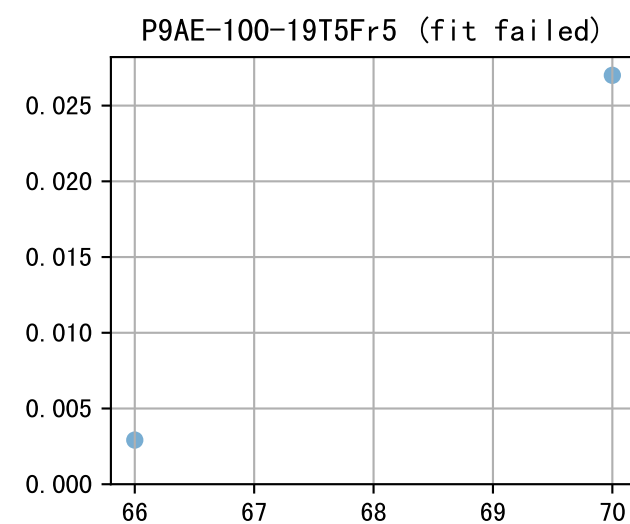


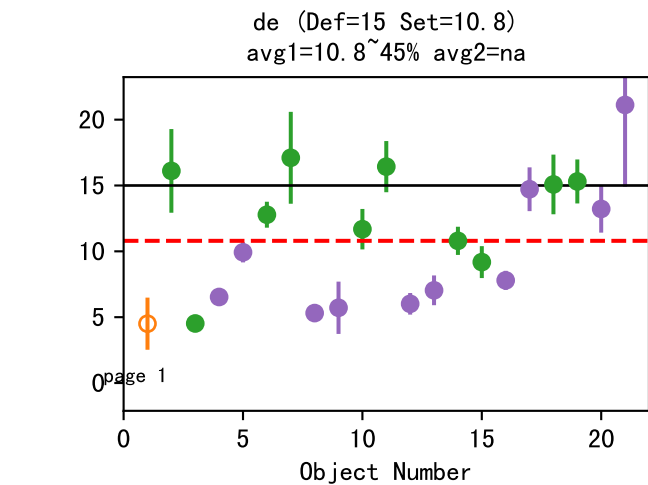
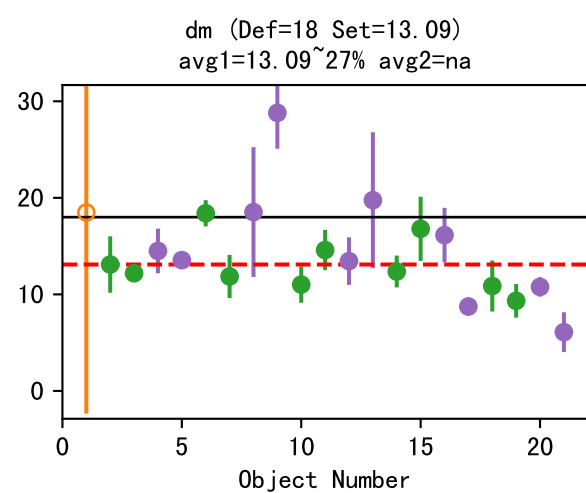
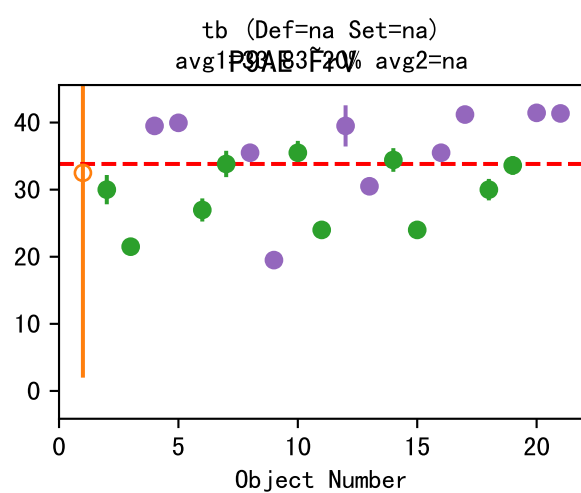
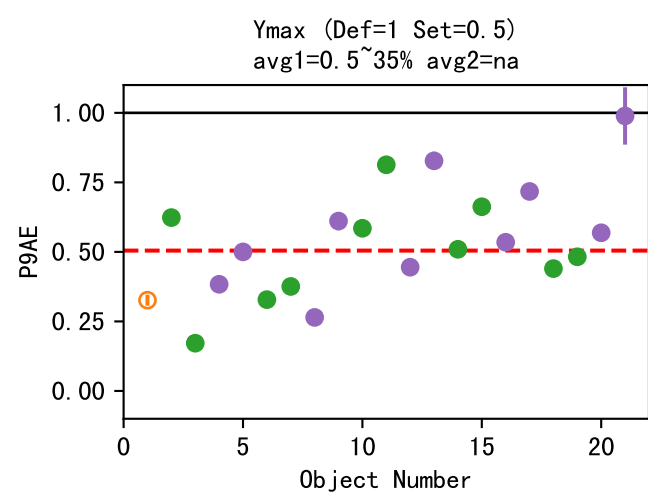




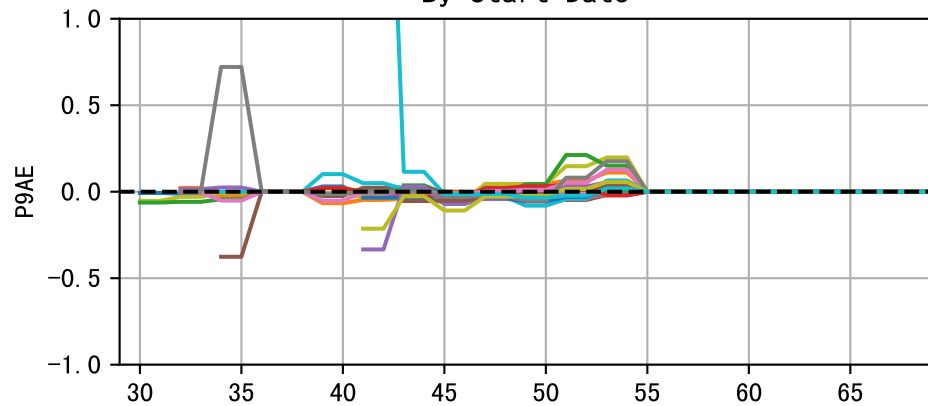




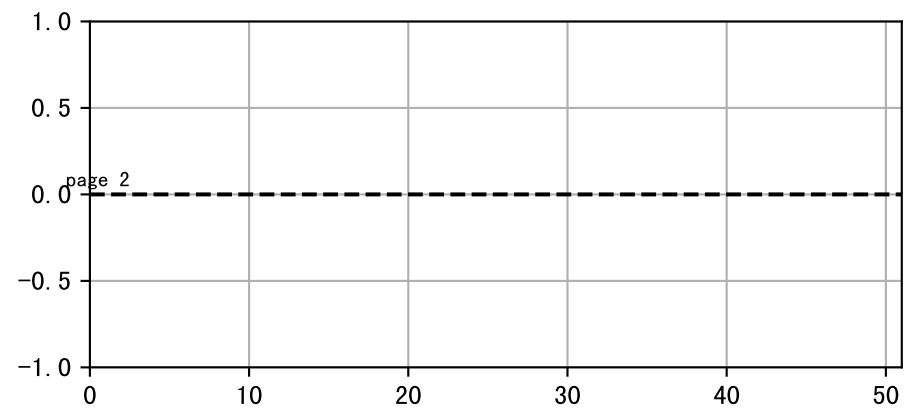
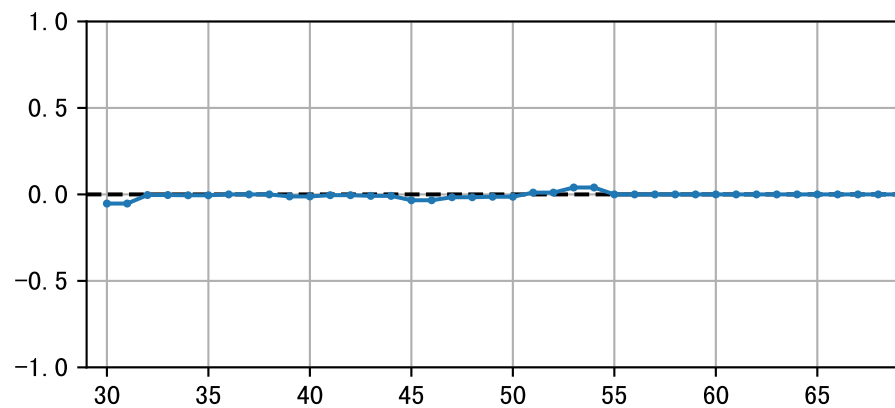
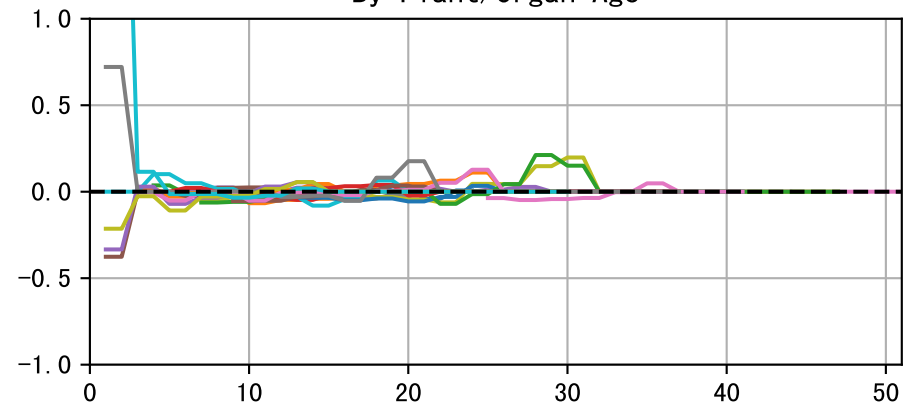




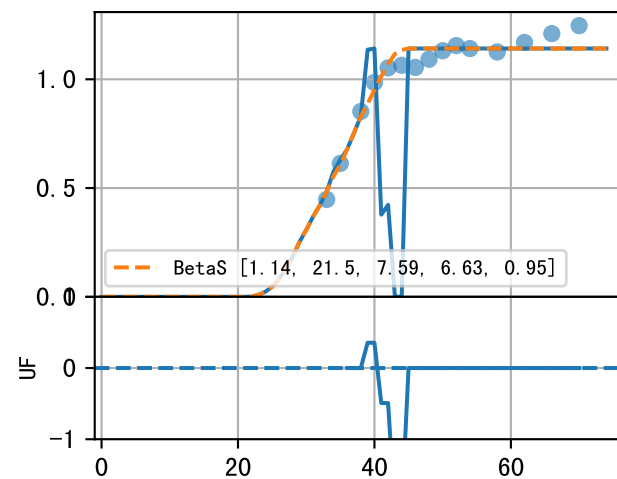
By Start Date



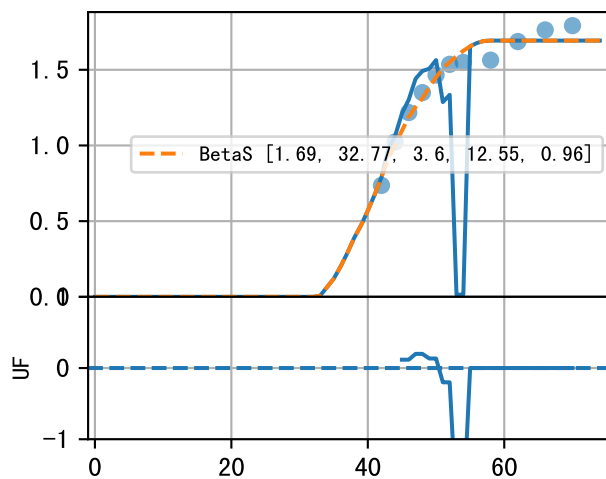
By Plant/Organ Age



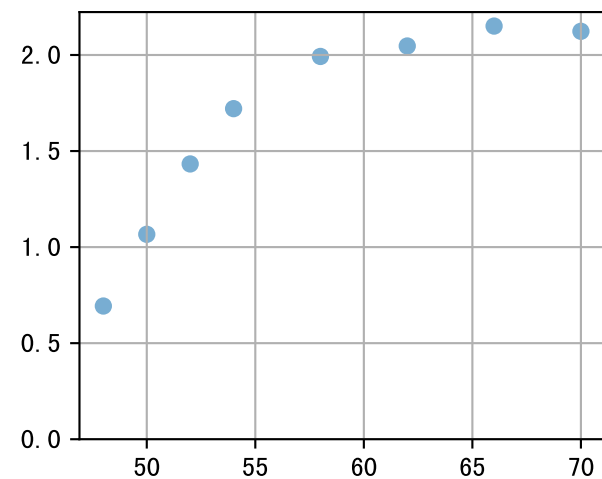
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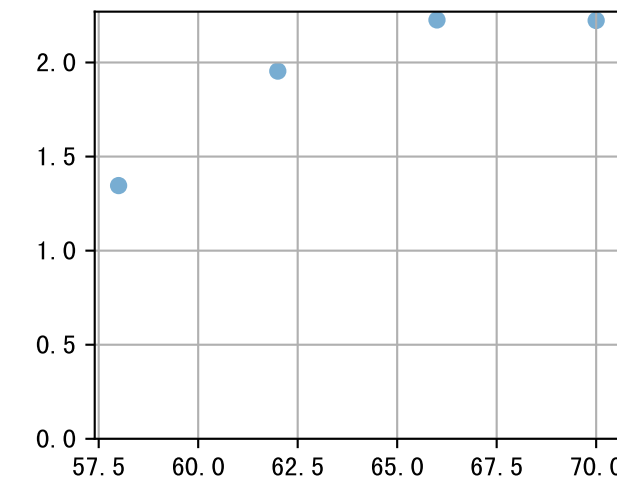
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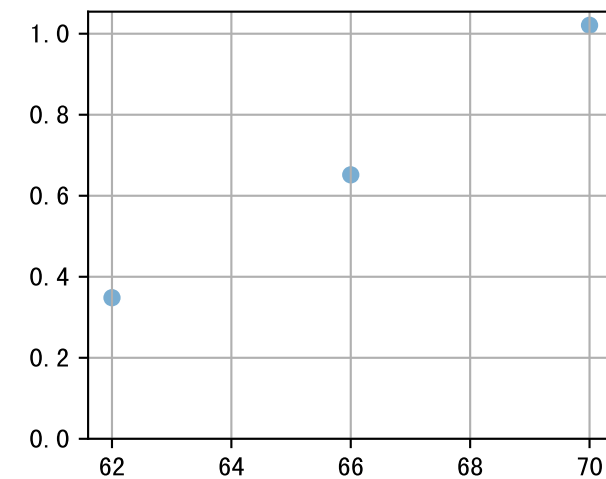
P9AE-065-3L17 (fit failed)



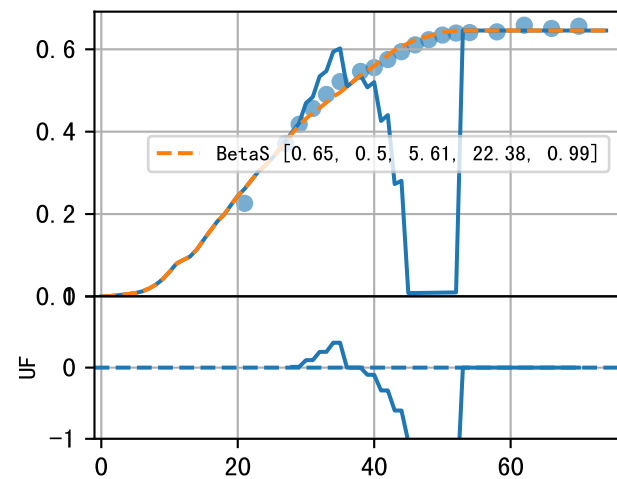
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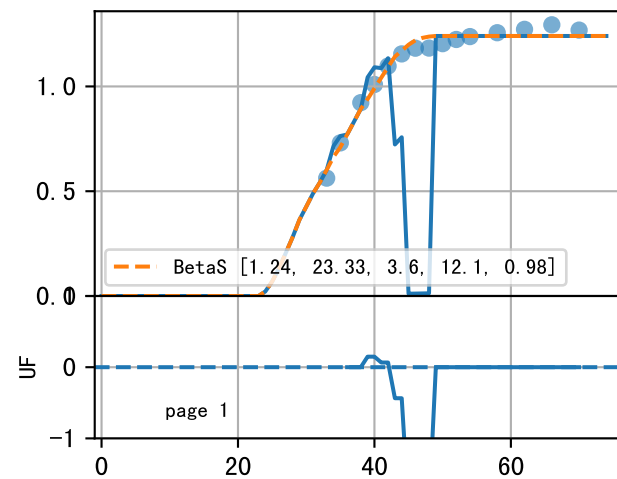
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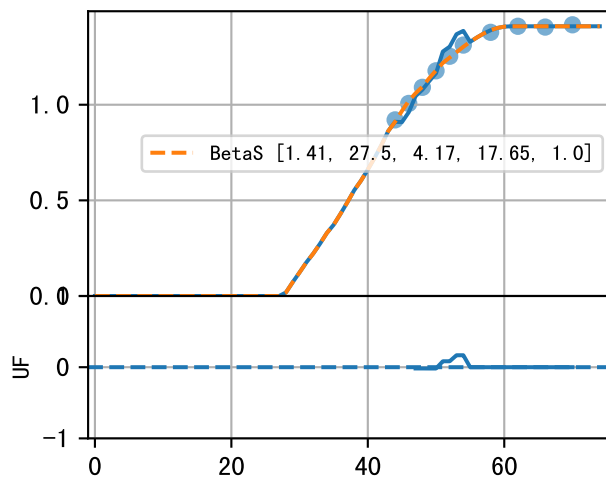
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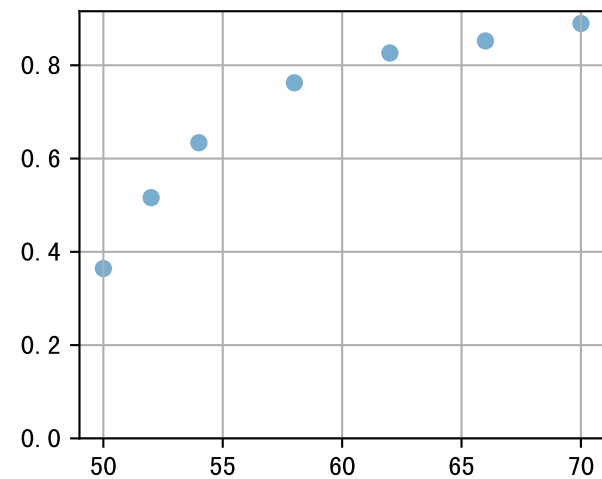
P9AE-077-32L10 (fit failed)



P9AE-077-32L13

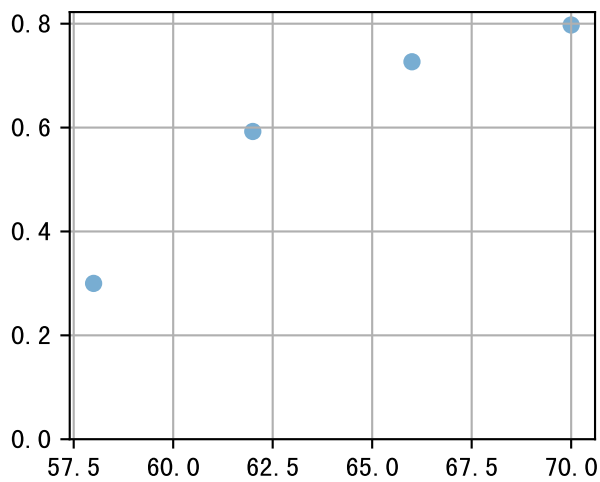


P9AE-077-32L16 (fit failed)

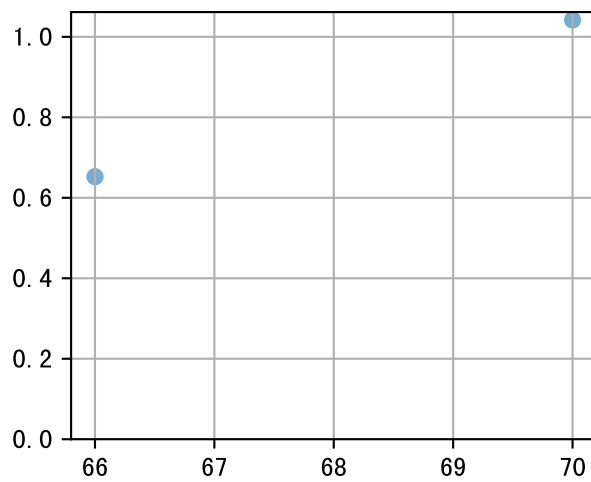


L_{FA}

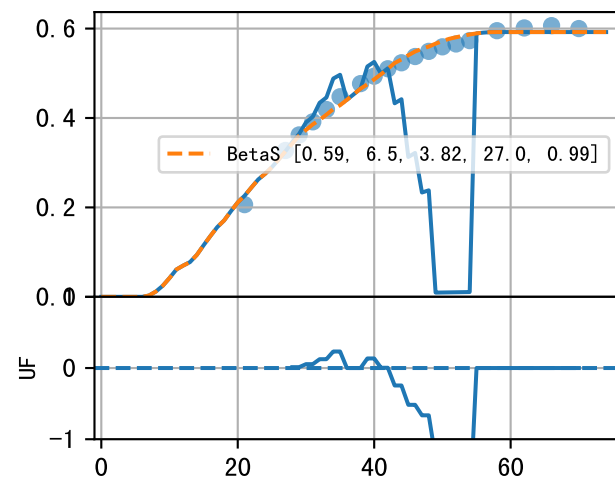
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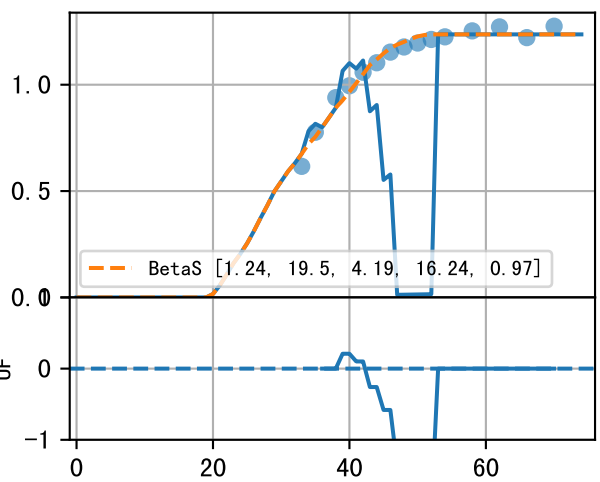
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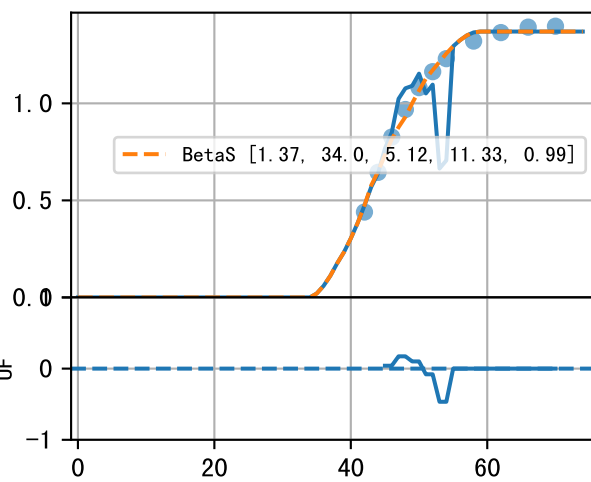
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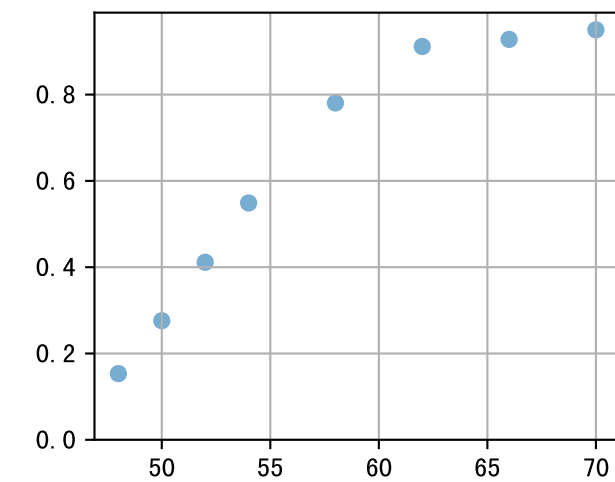
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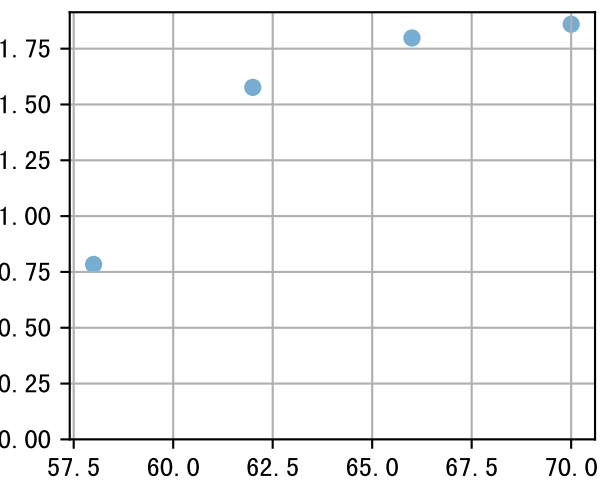
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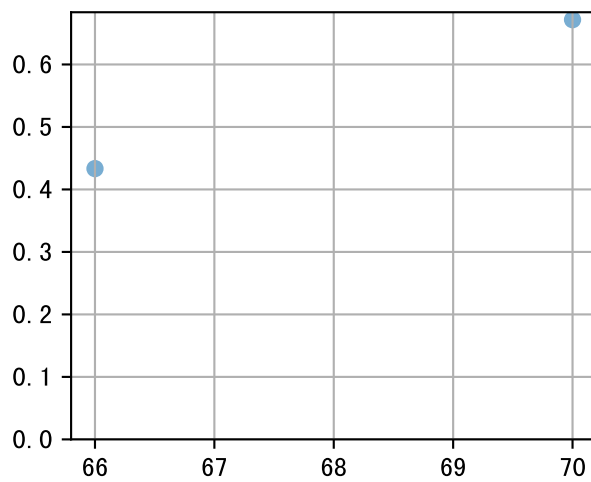
P9AE-089-25L16 (fit failed)



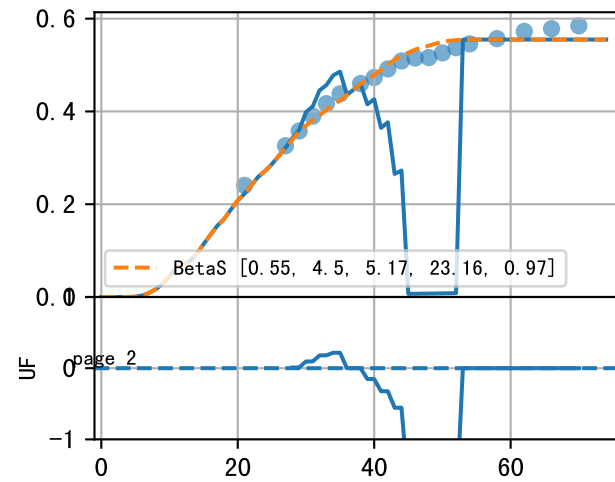
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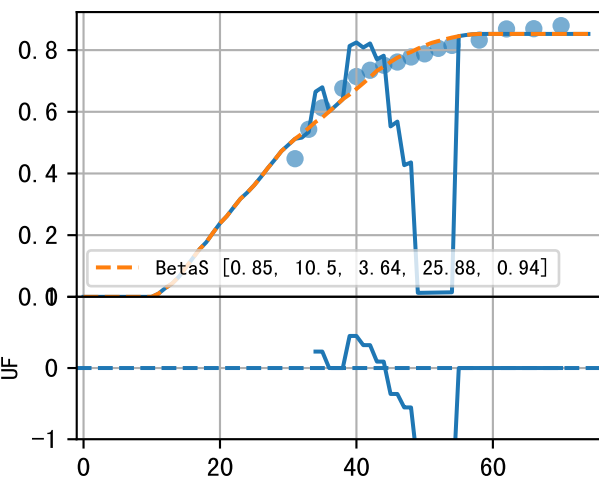
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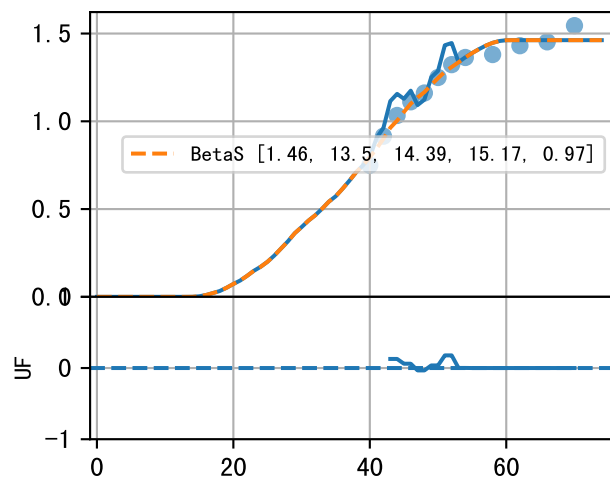
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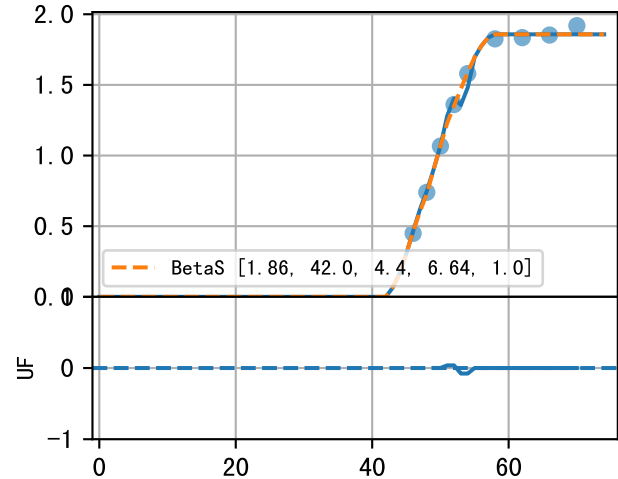
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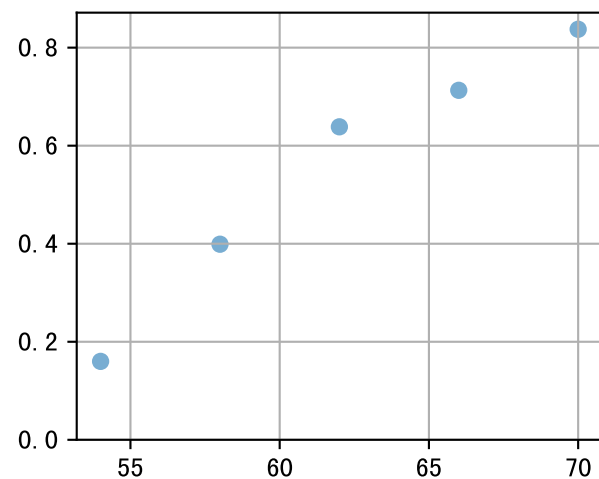
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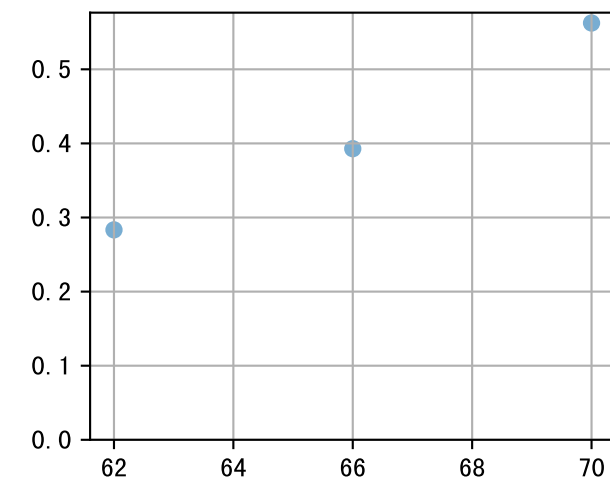
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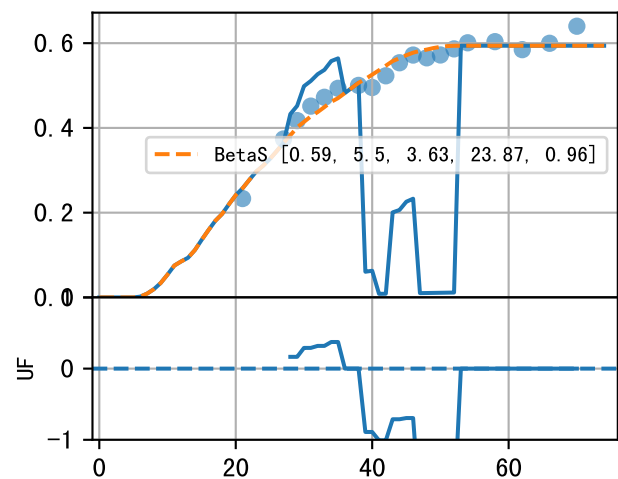
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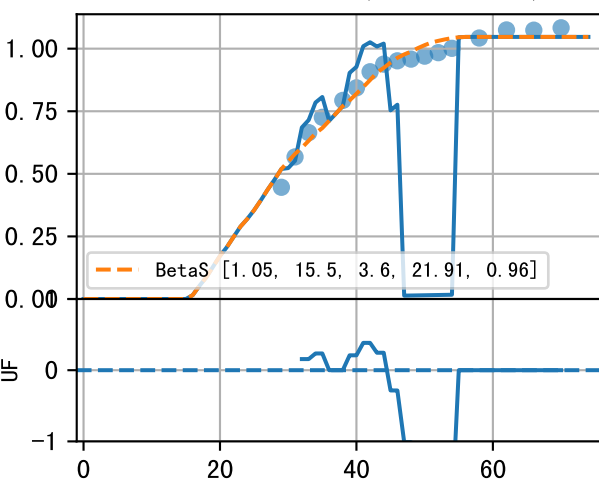
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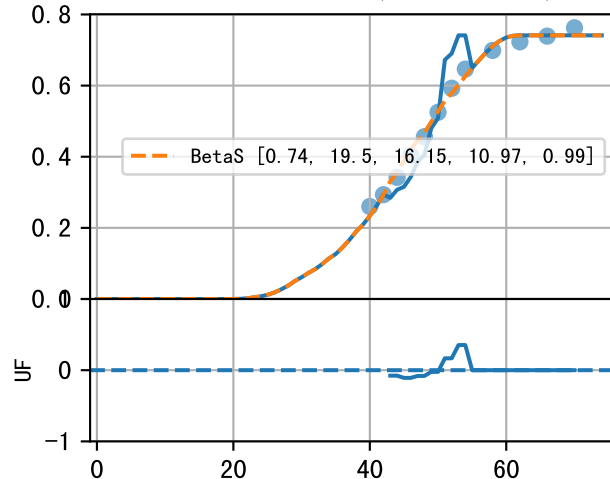
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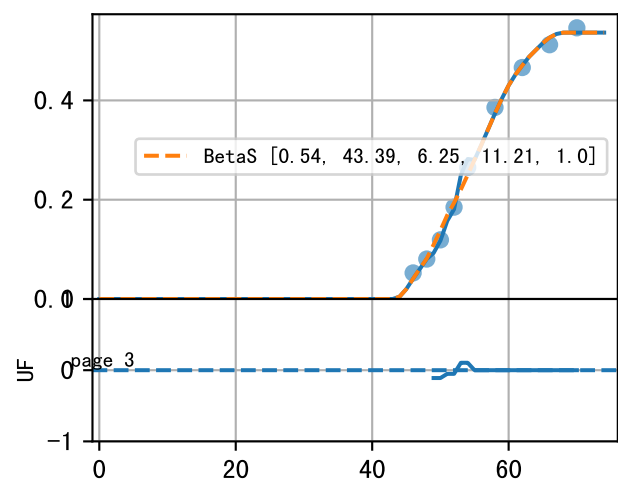
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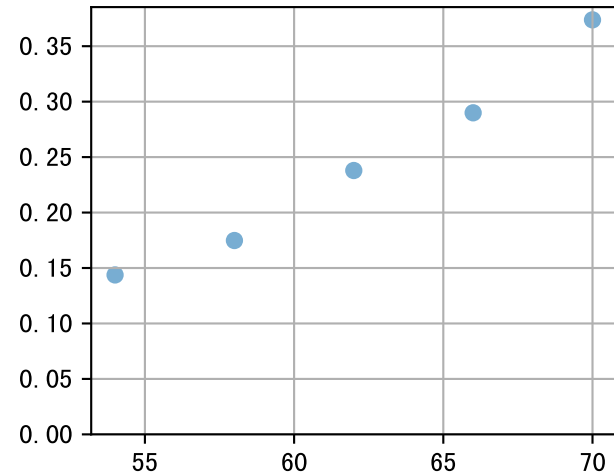
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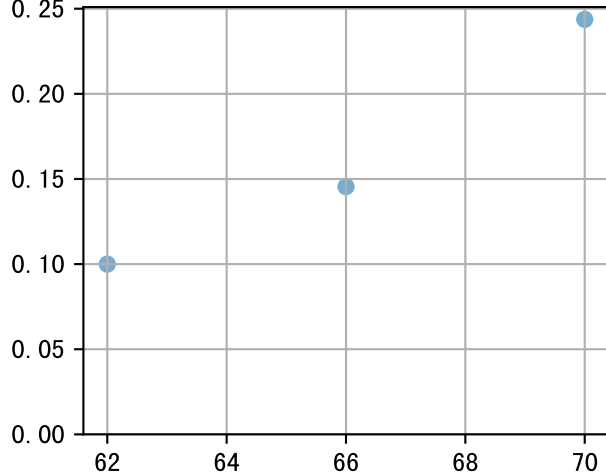
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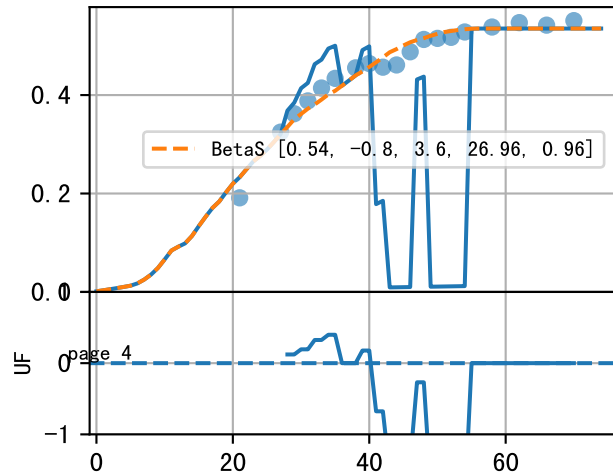
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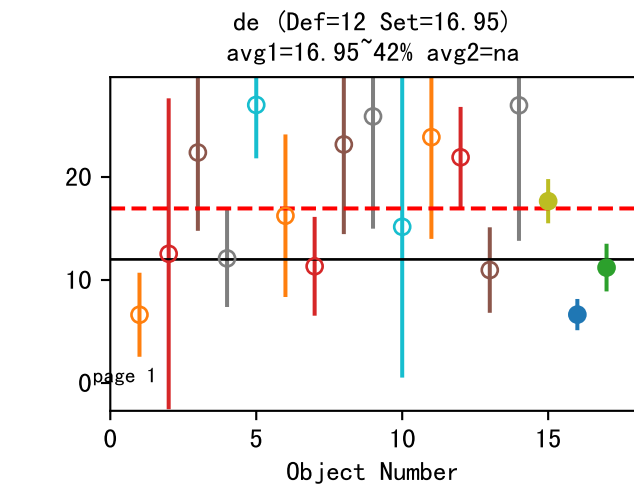
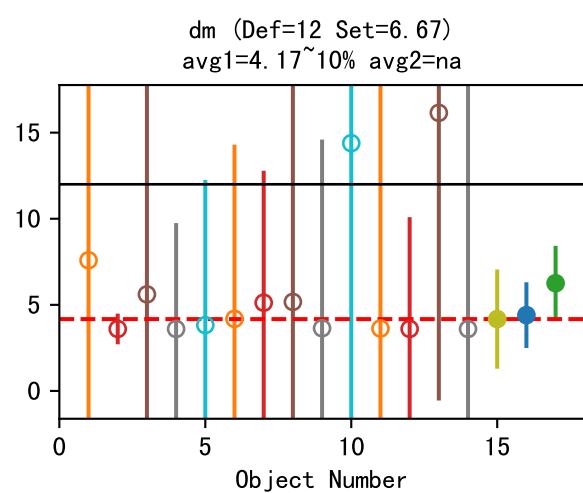
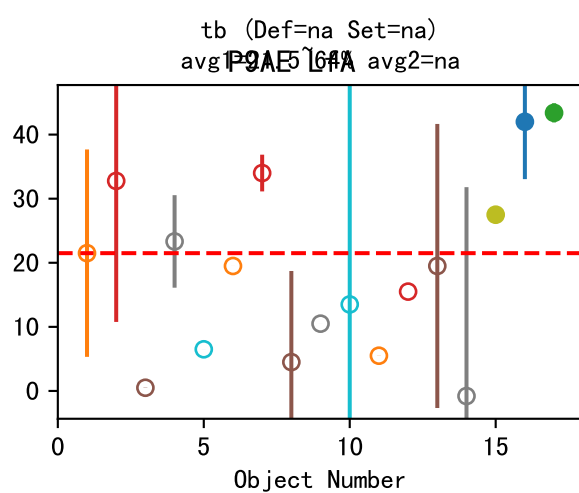
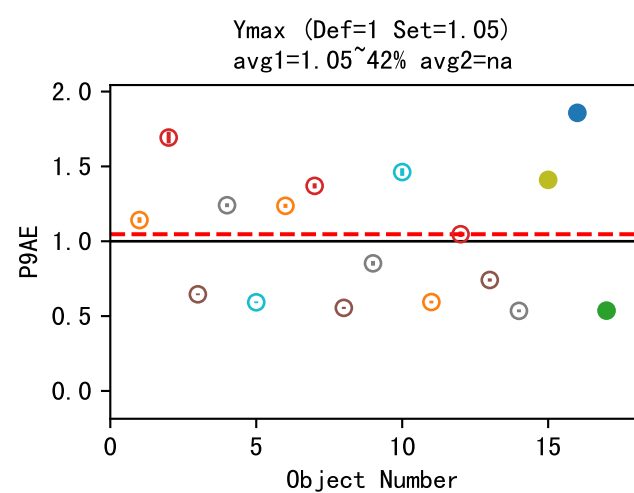


P9AE-111-7L23 (fit failed)

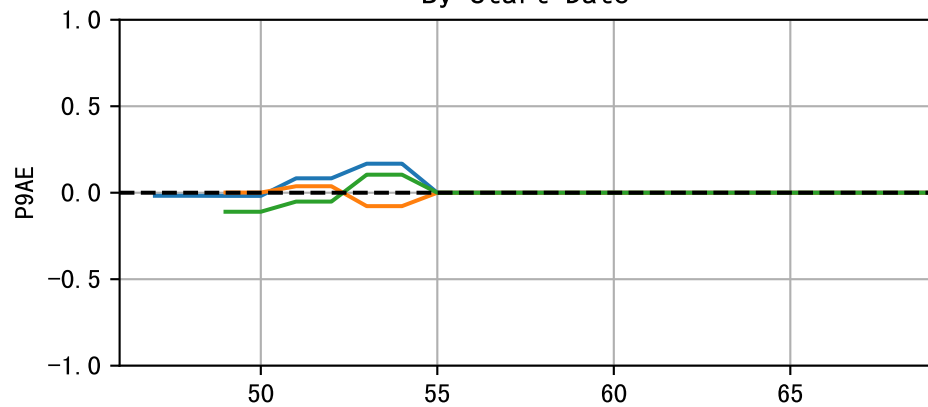


P9AE-111-7L7 (fit failed)

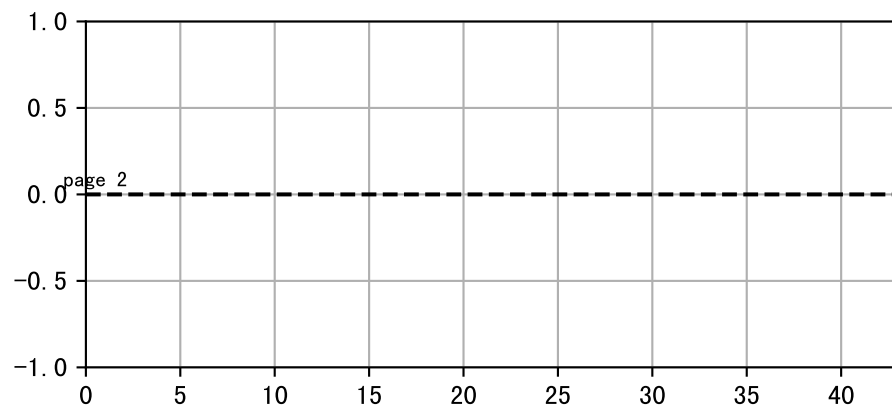
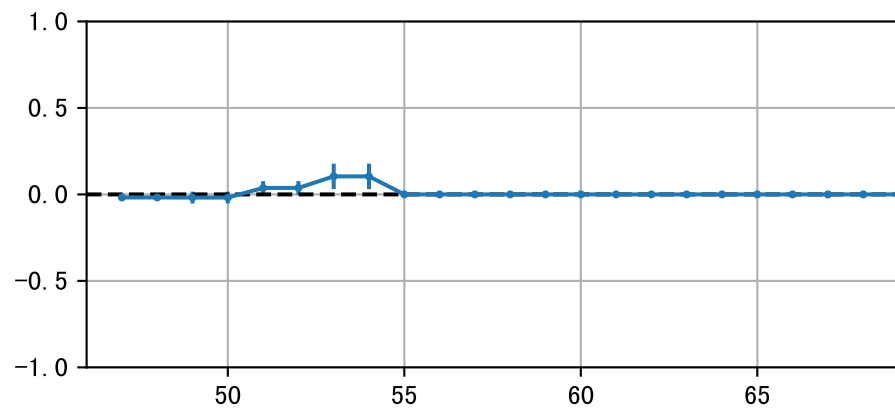
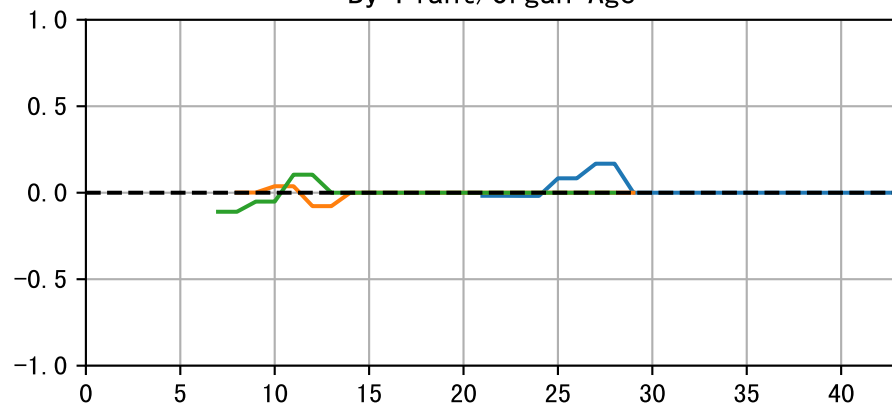


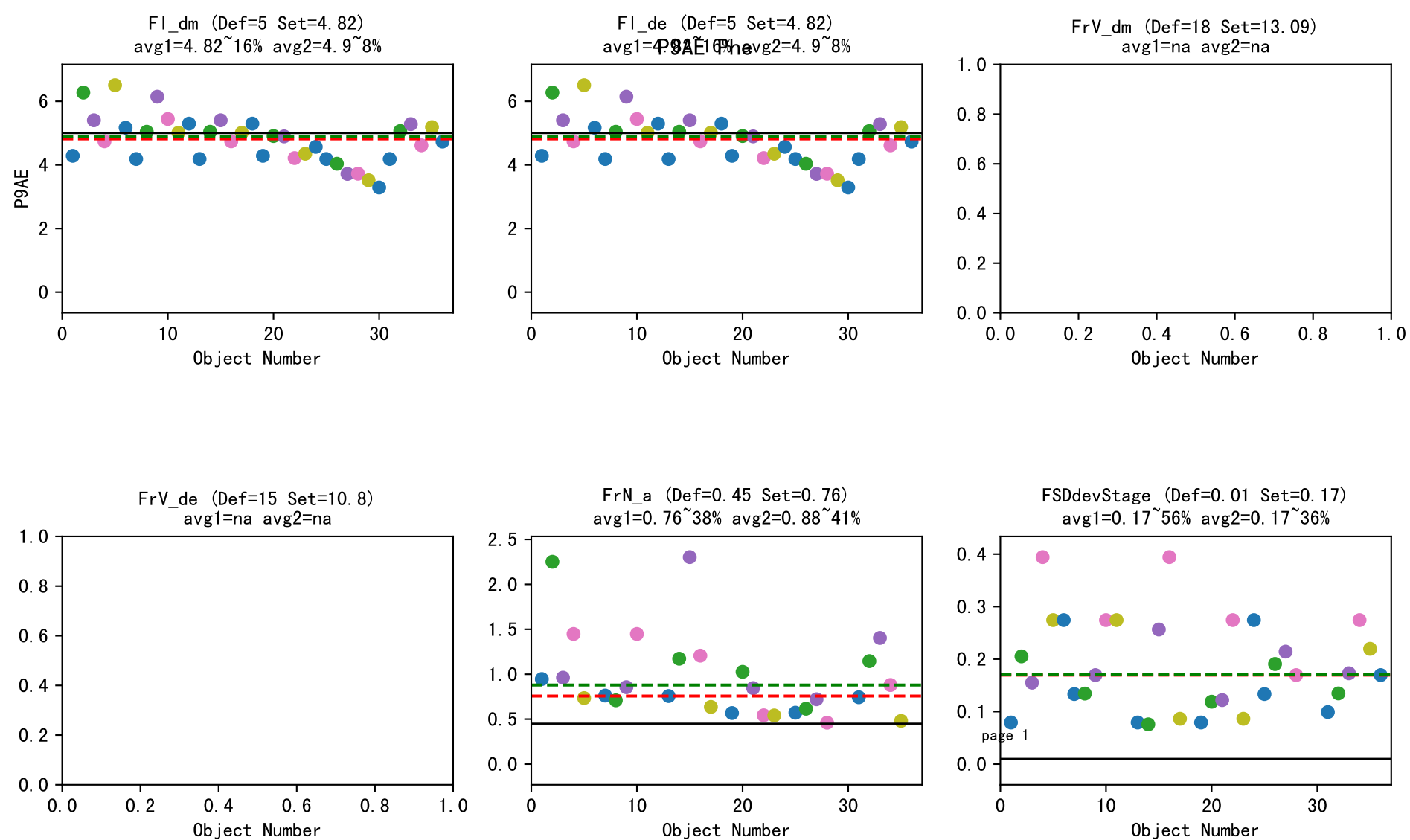


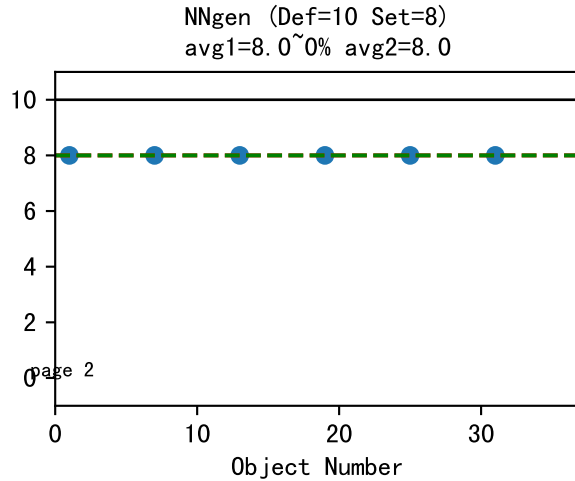
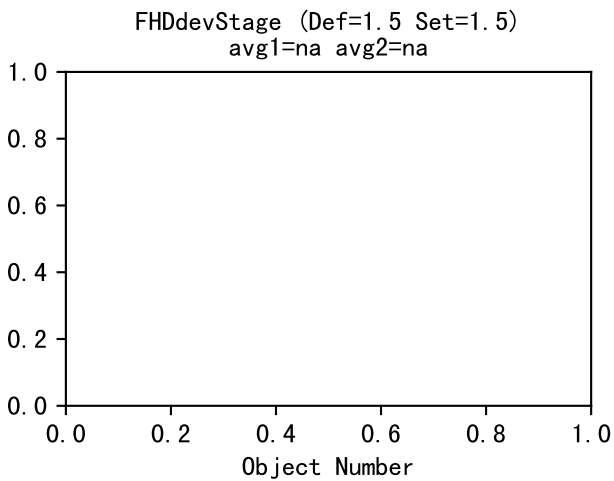
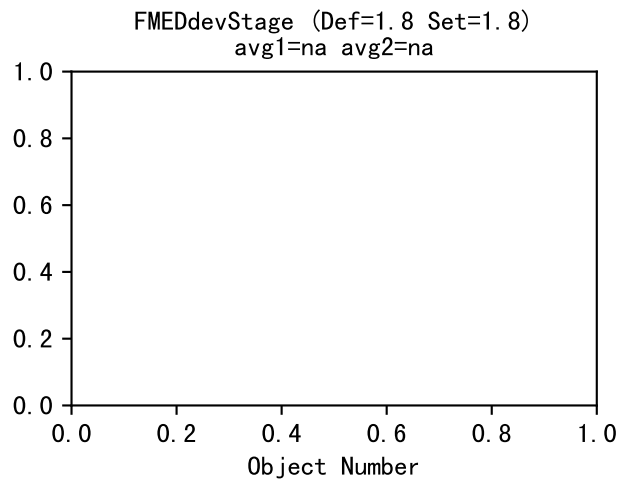
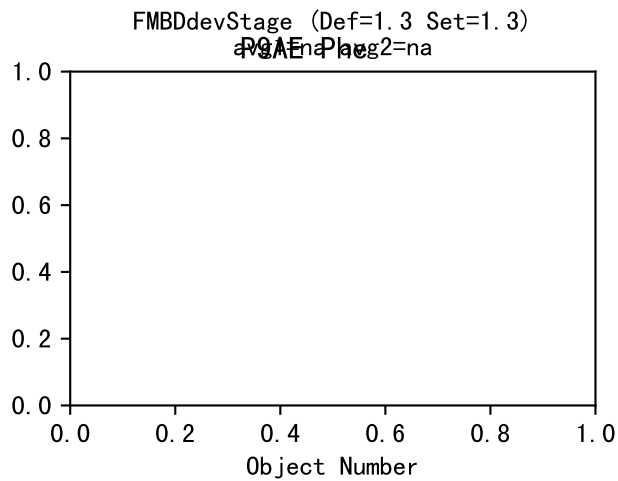
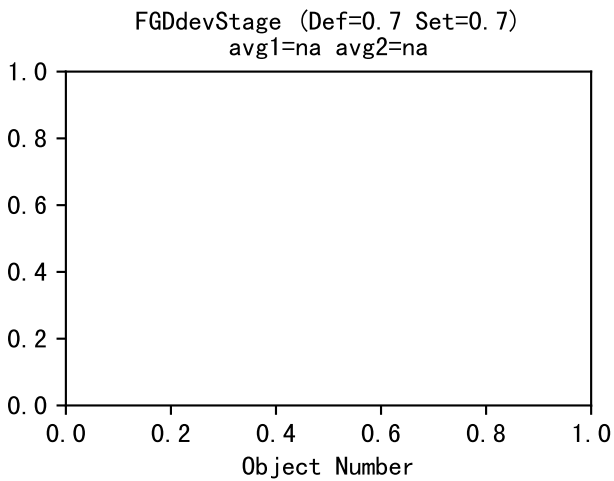
By Start Date



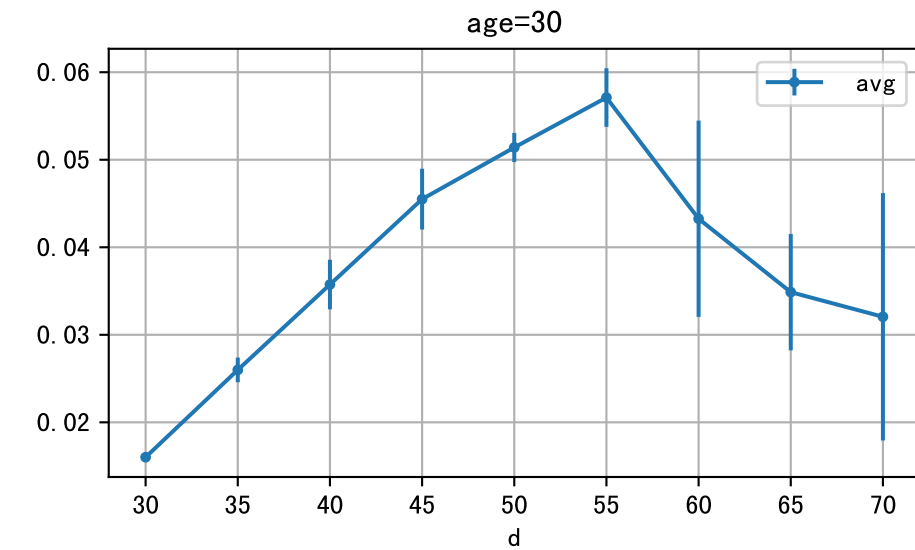
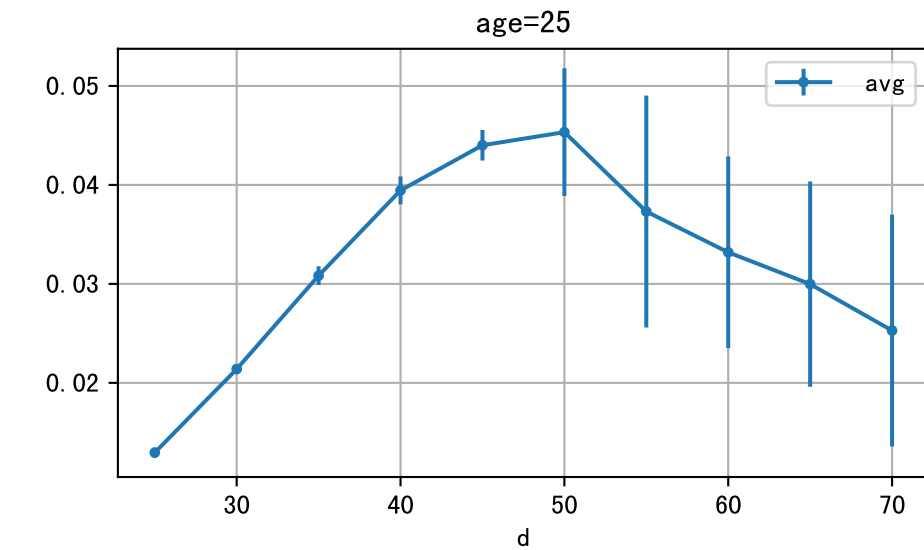
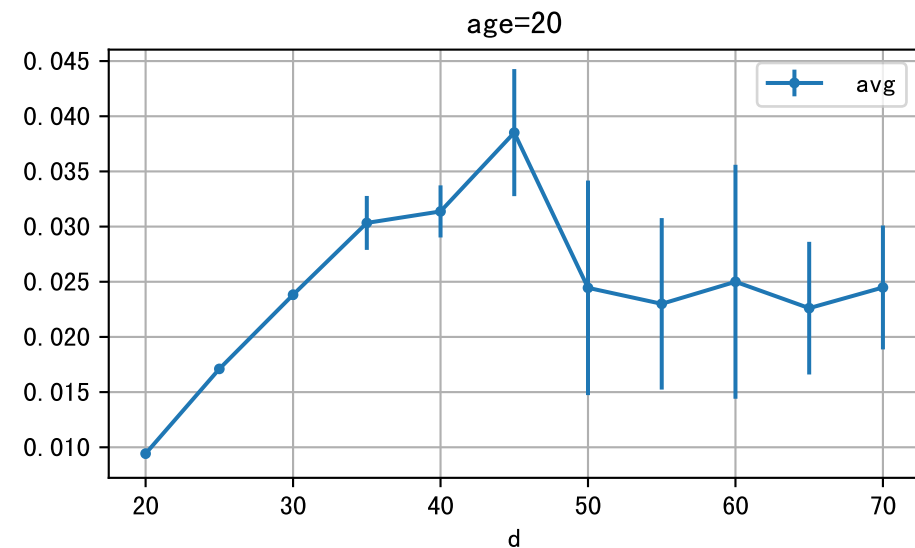
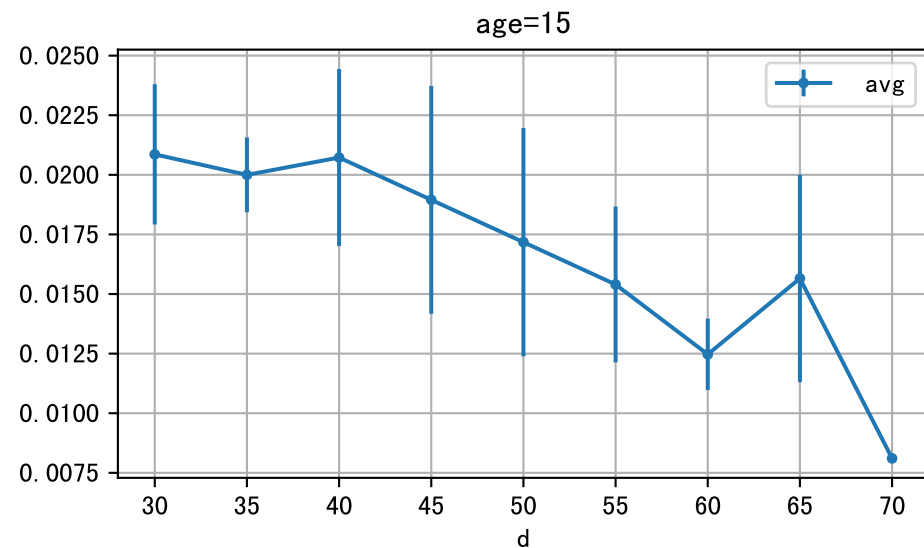
By Plant/Organ Age

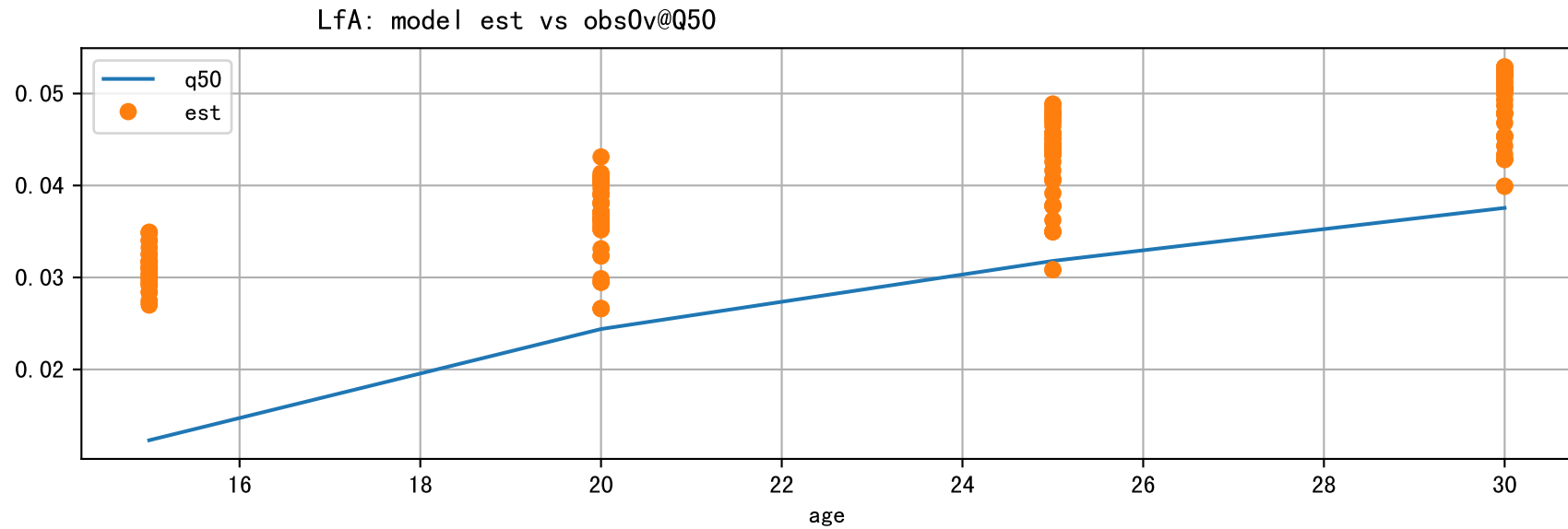






LfA: avg vs. d at each age group



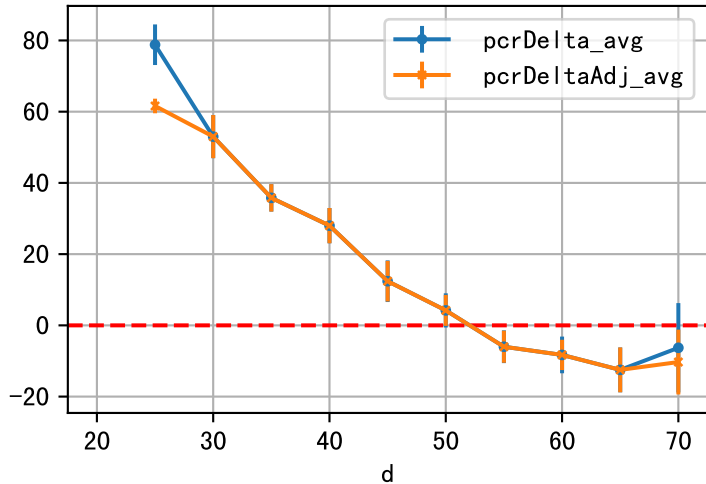
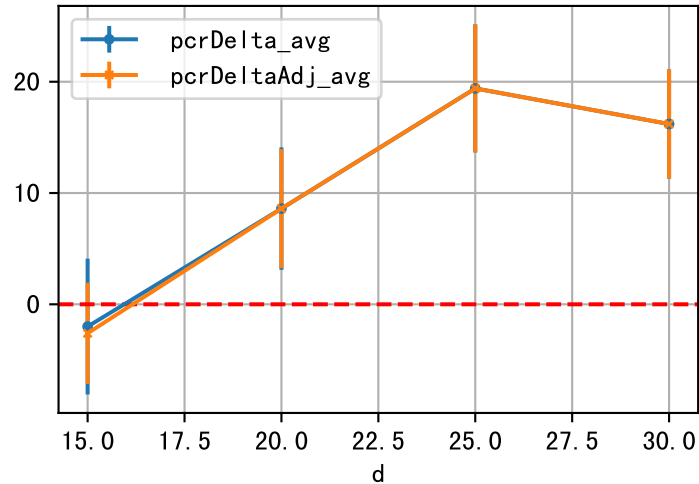


P9AE LfA: D_5d_LfA

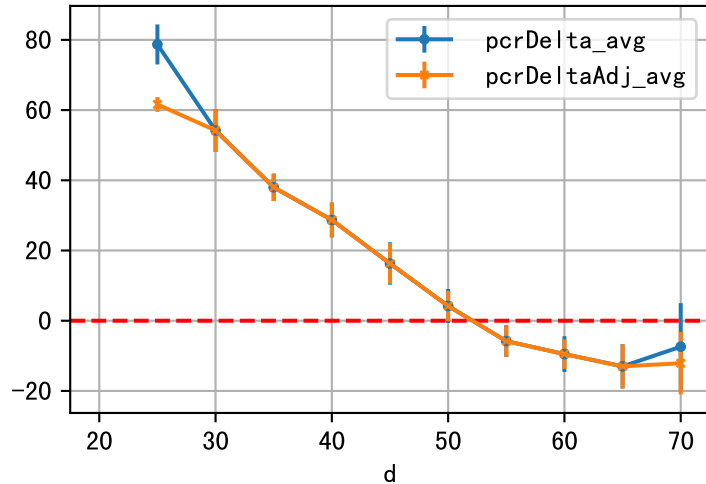
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD



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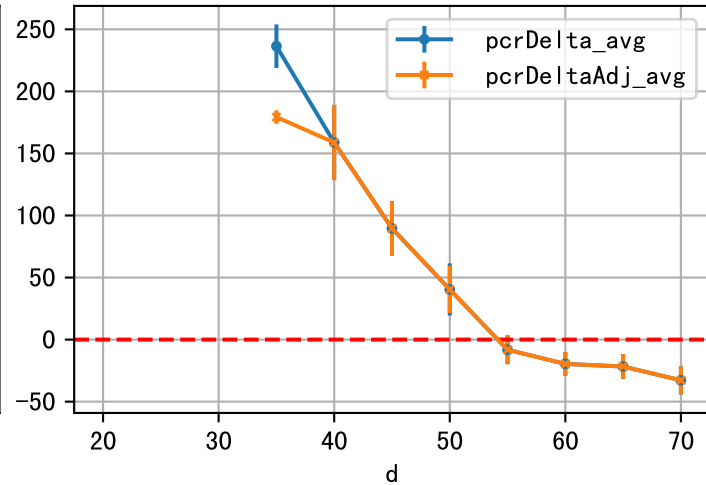
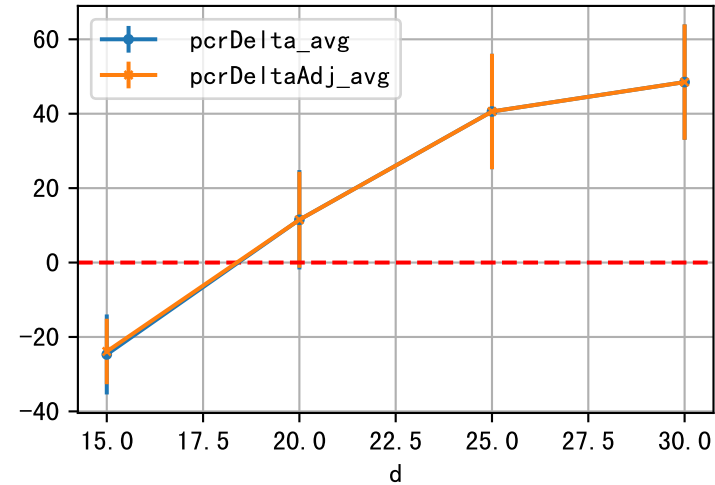


P9AE LfA: D_15d_LfA

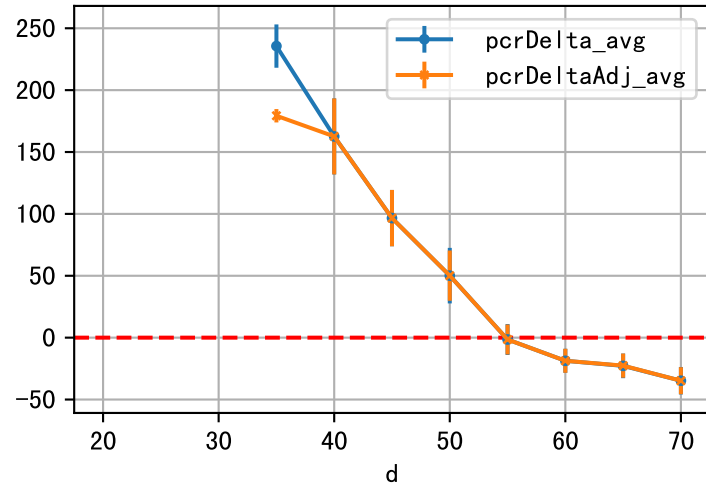
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=Wei AvgByD



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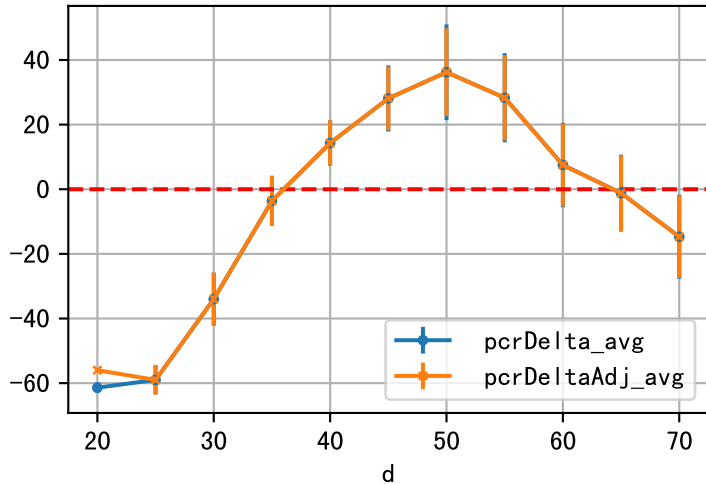
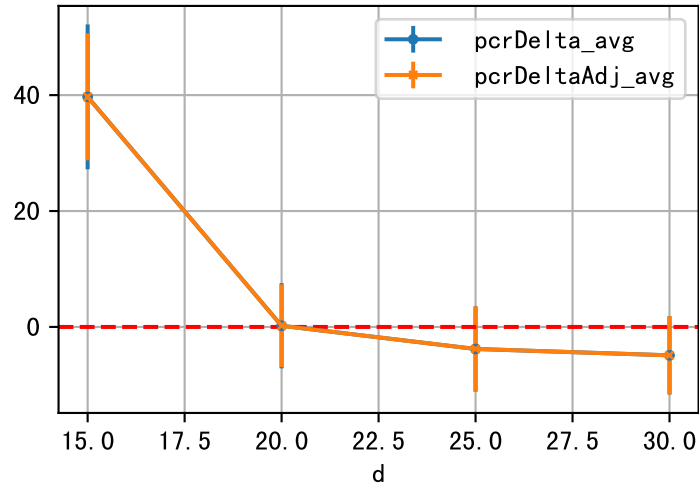


P9AE LfA: D_Q50_LfA

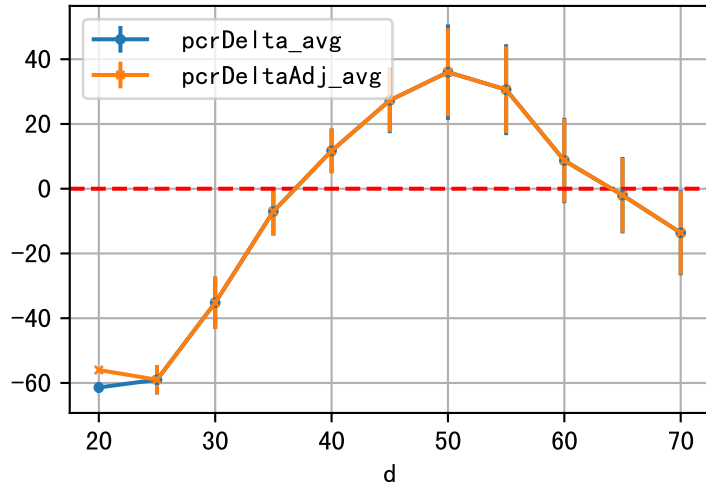
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD



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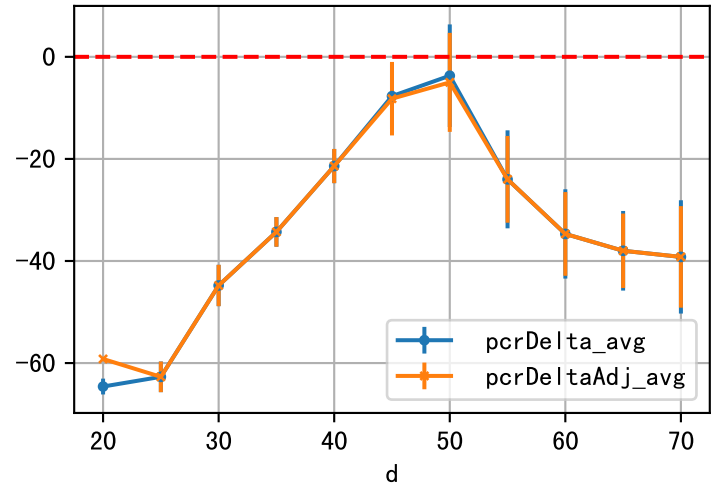
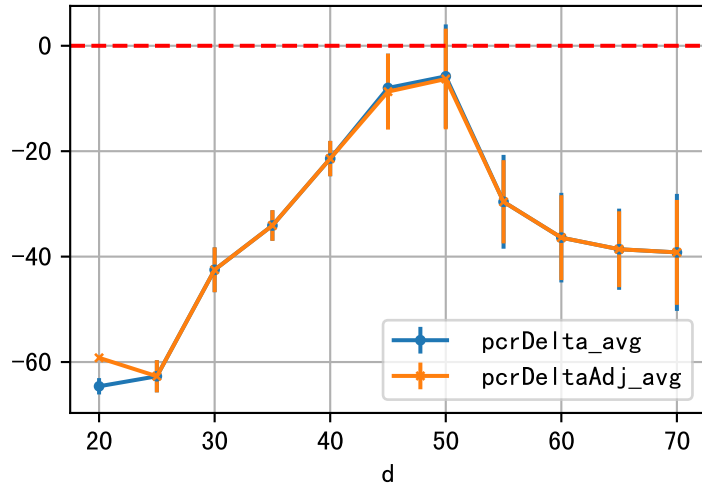
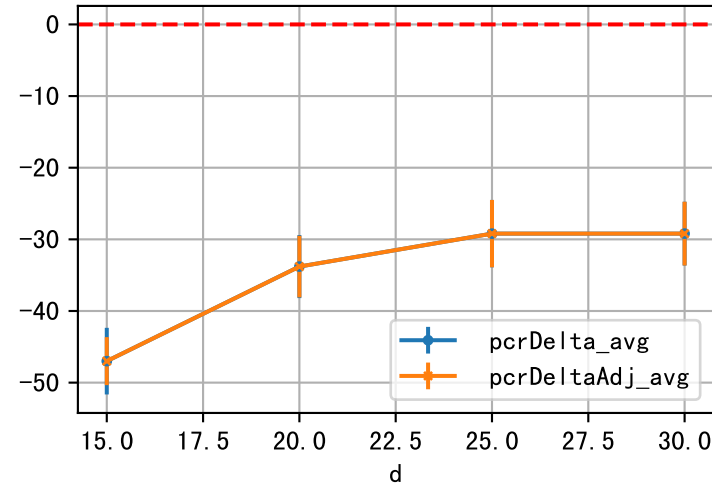
P9AE LfA: D_Est_LfA

DeltaTypeAbbr=GrpByAge

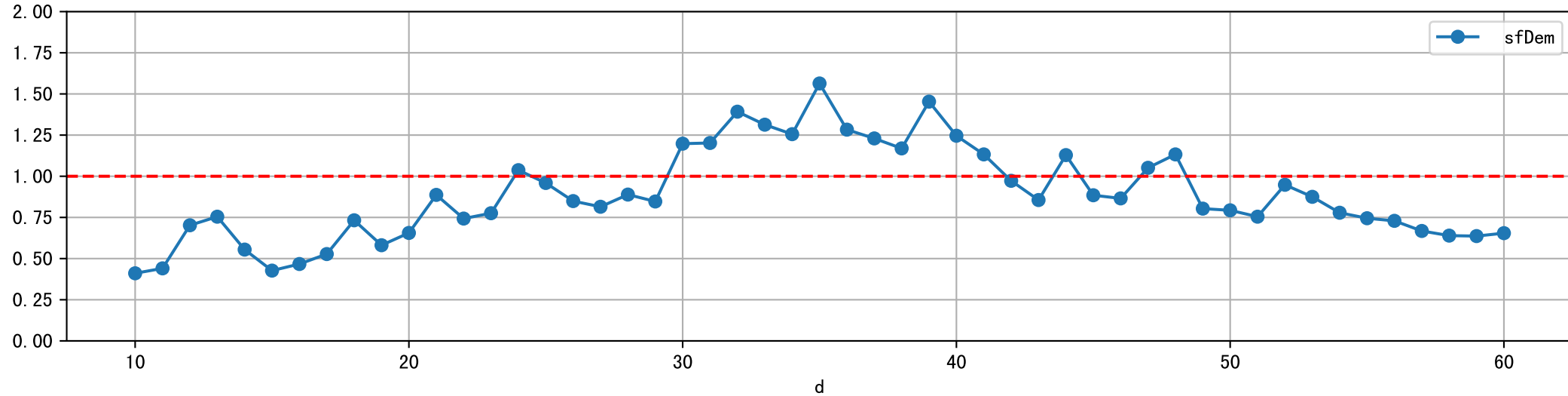
DeltaTypeAbbr=GrpByDay

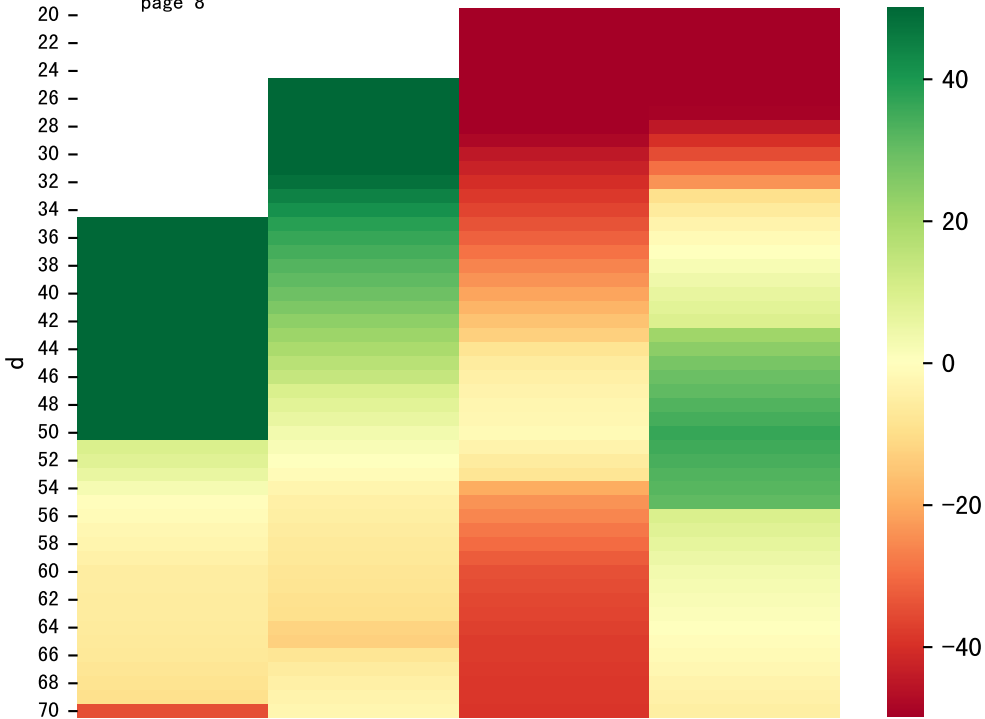
DeltaTypeAbbr=Wei AvgByD

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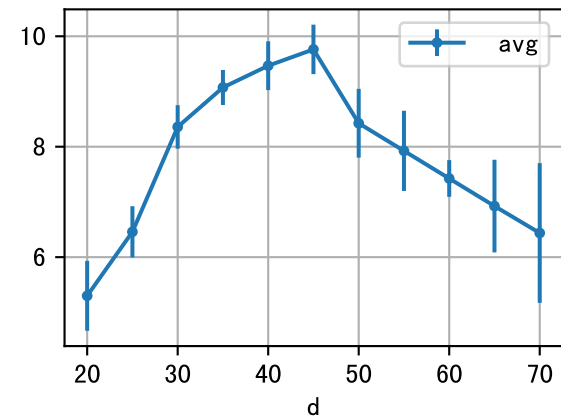
LfA: sfDem



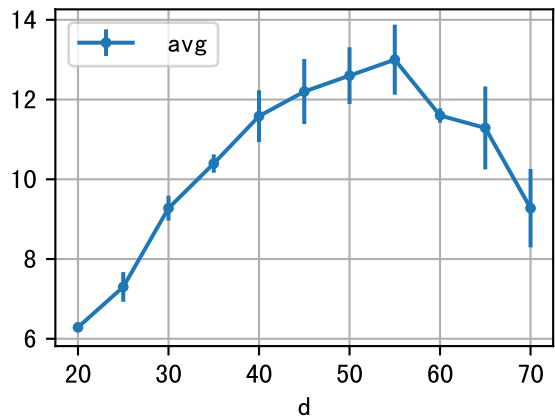


NdD: avg vs. d at each age group

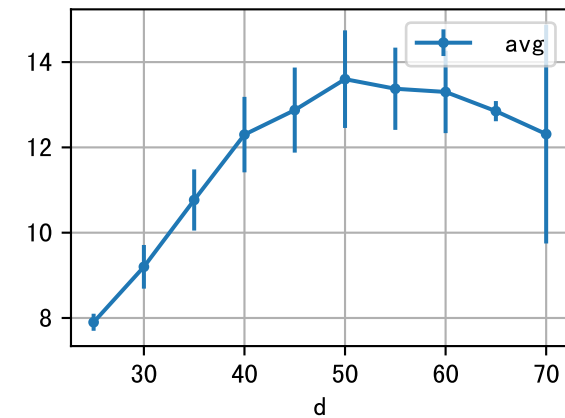
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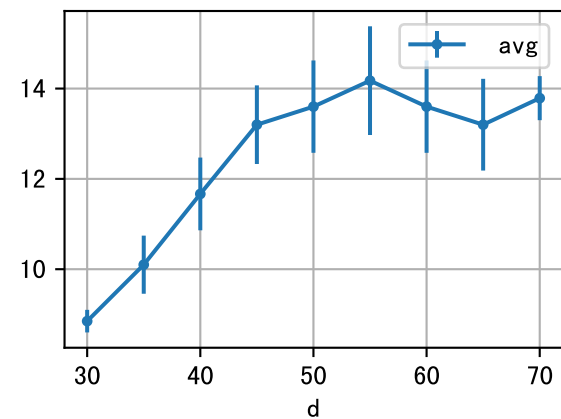
age=20



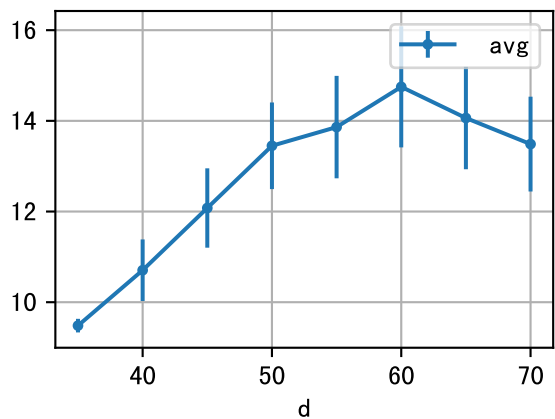
age=25



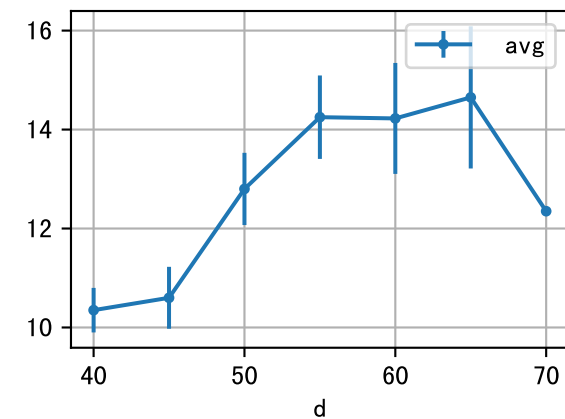
age=30



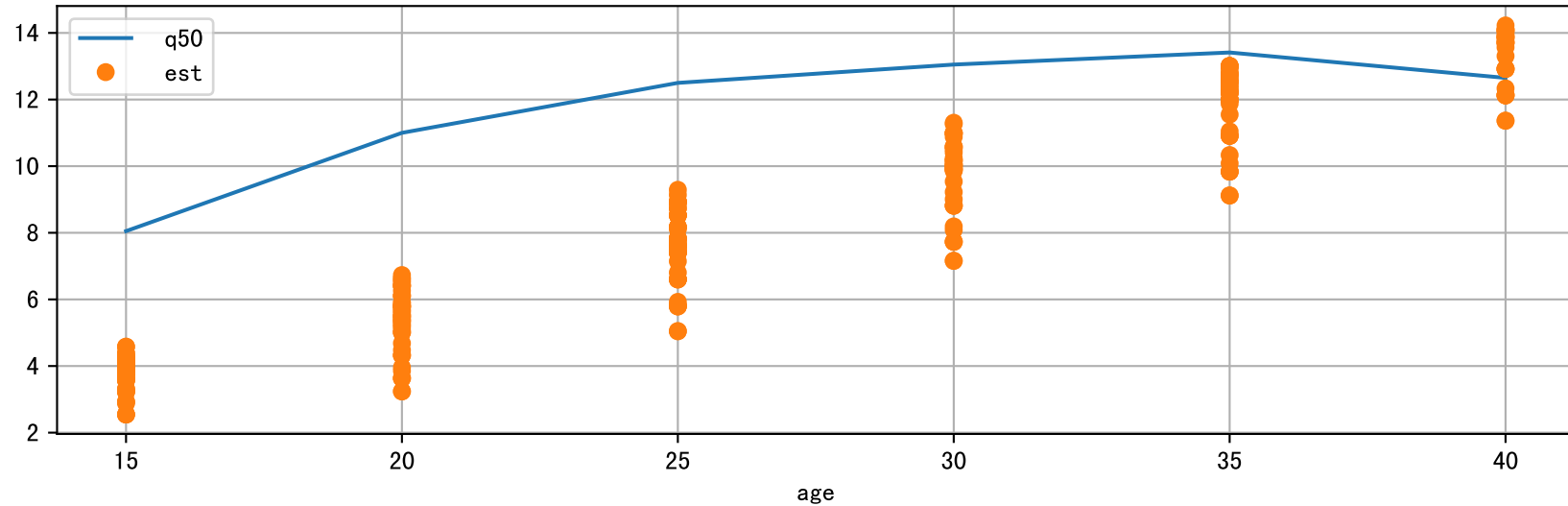
age=35



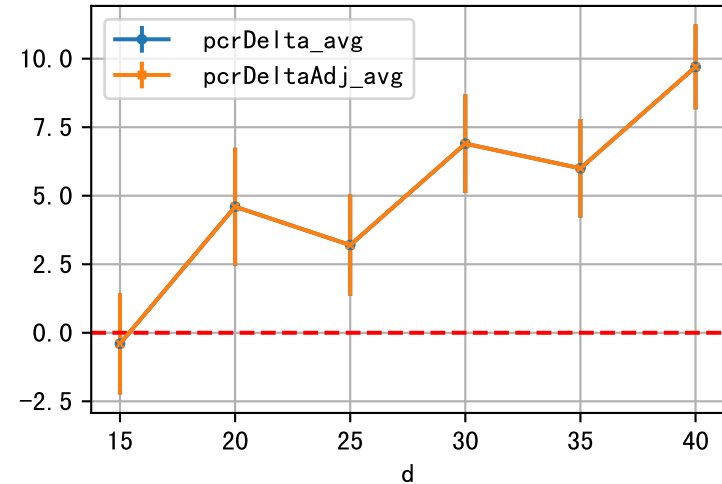
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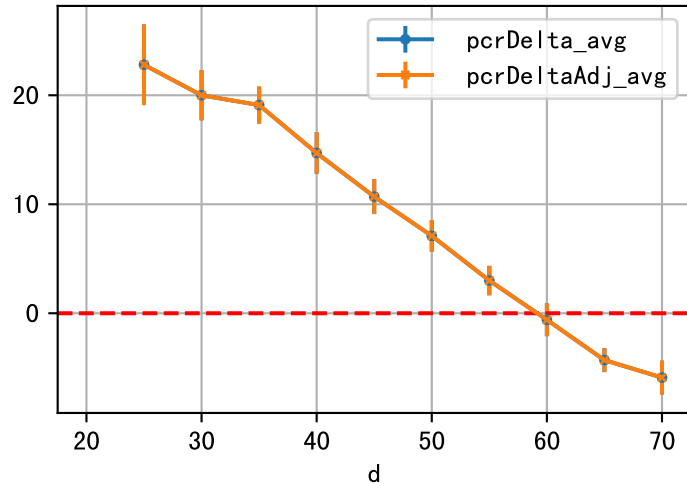
NdD: model est vs obs0v@Q50



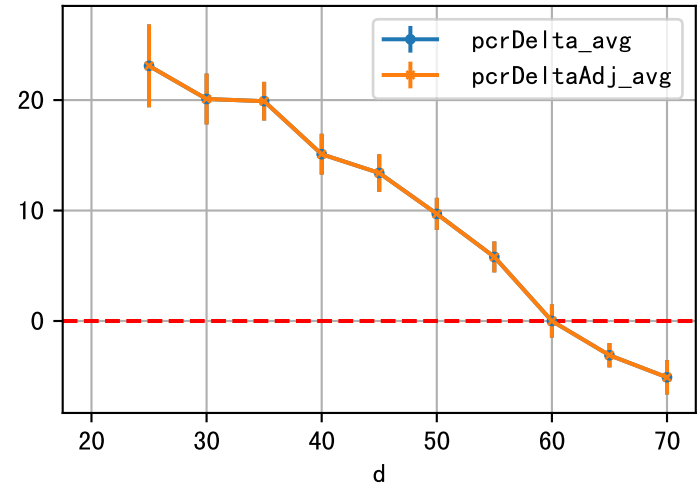
DeltaTypeAbbr=GrpByAge



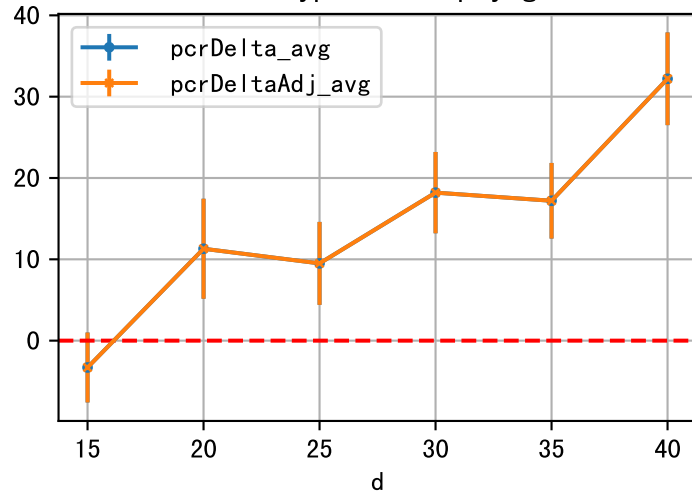
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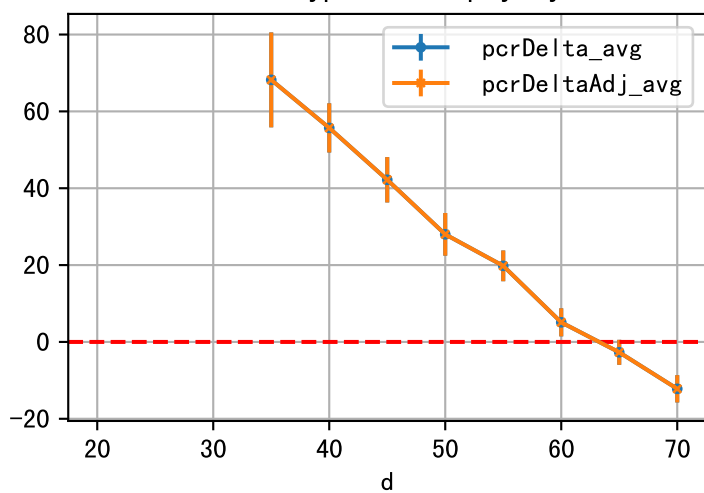
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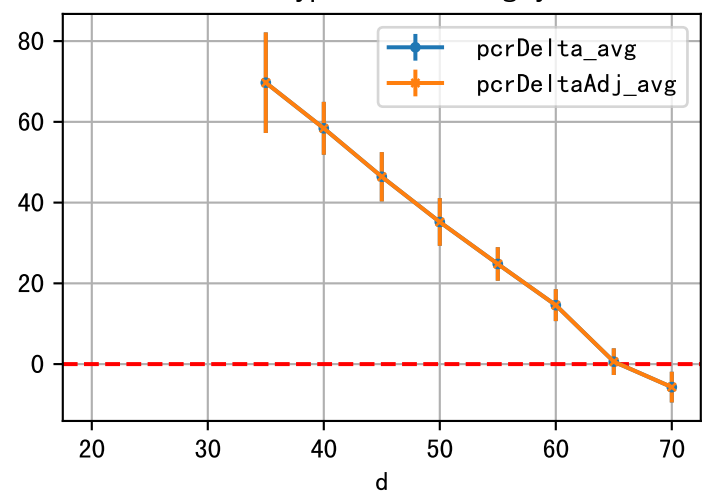
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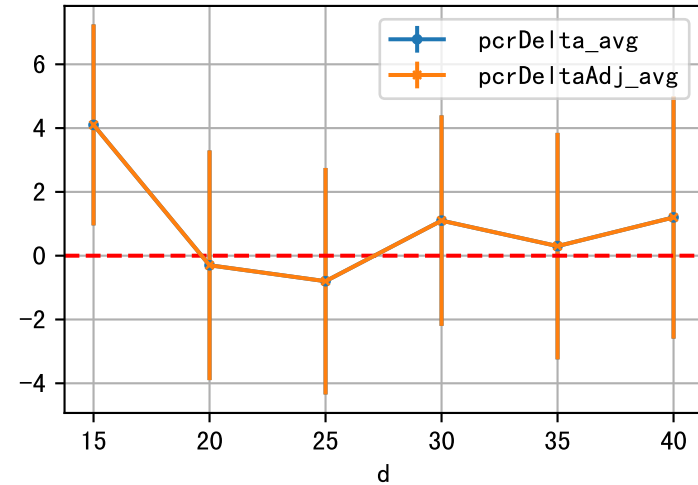
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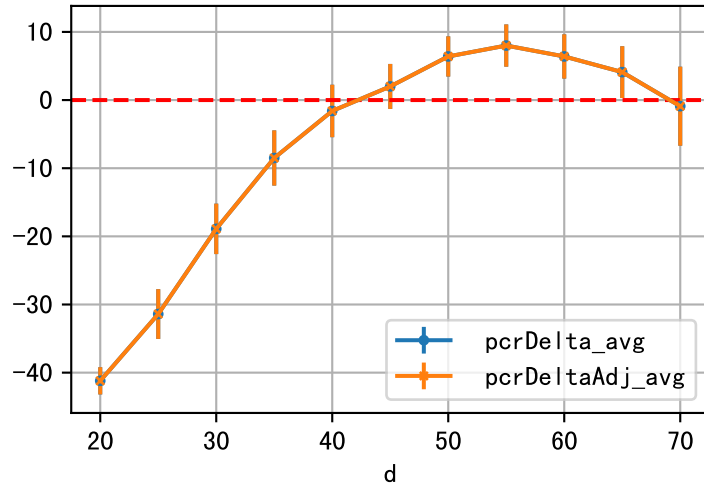
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DeltaTypeAbbr=GrpByAge

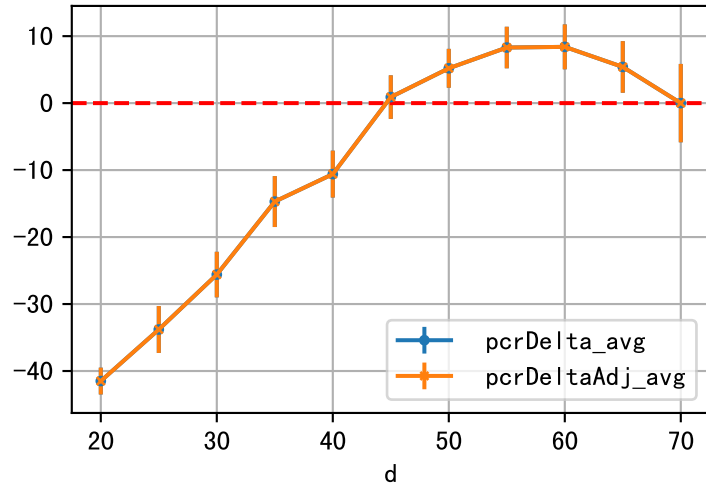


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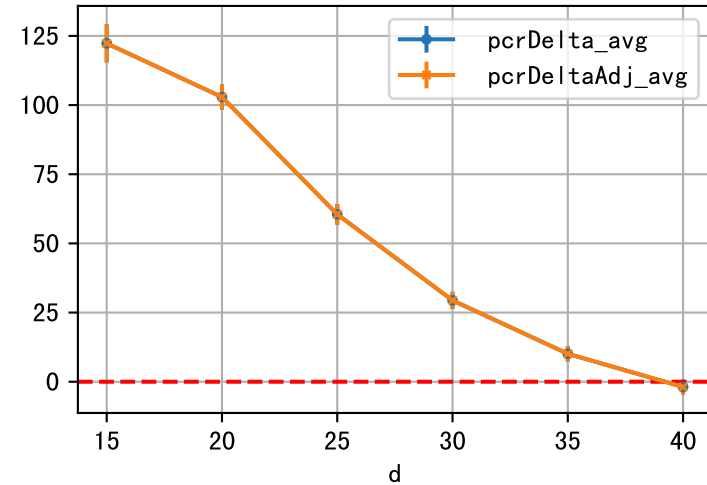


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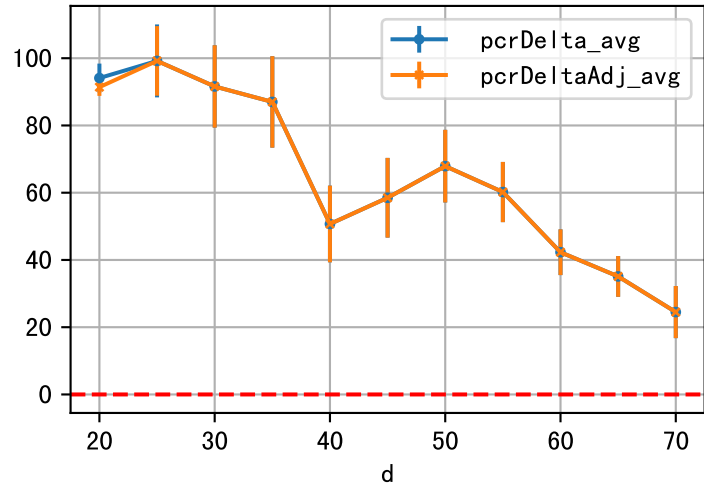
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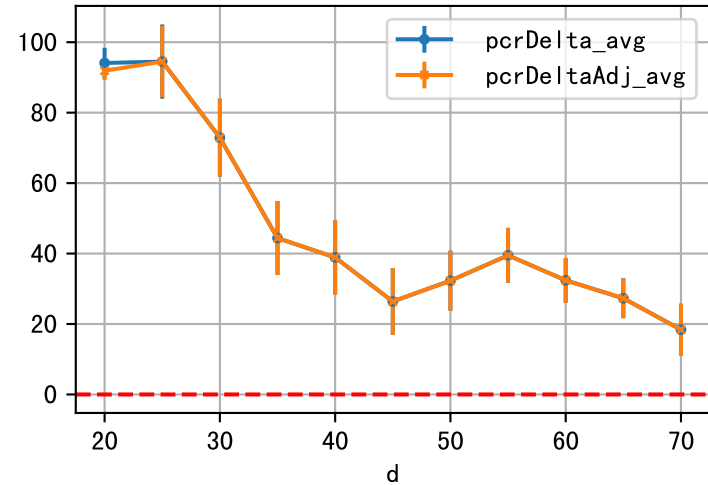
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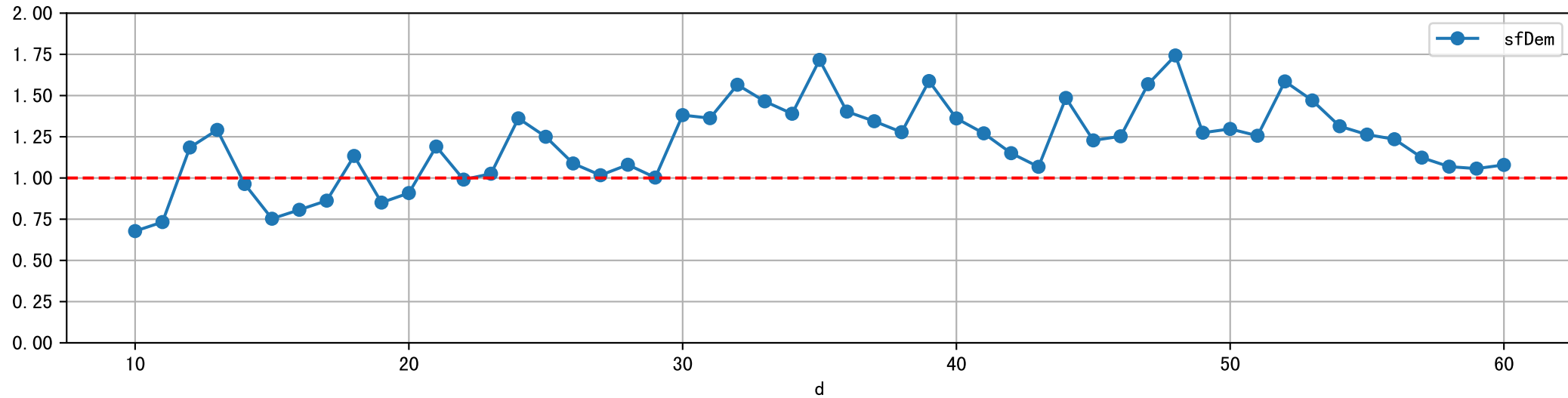
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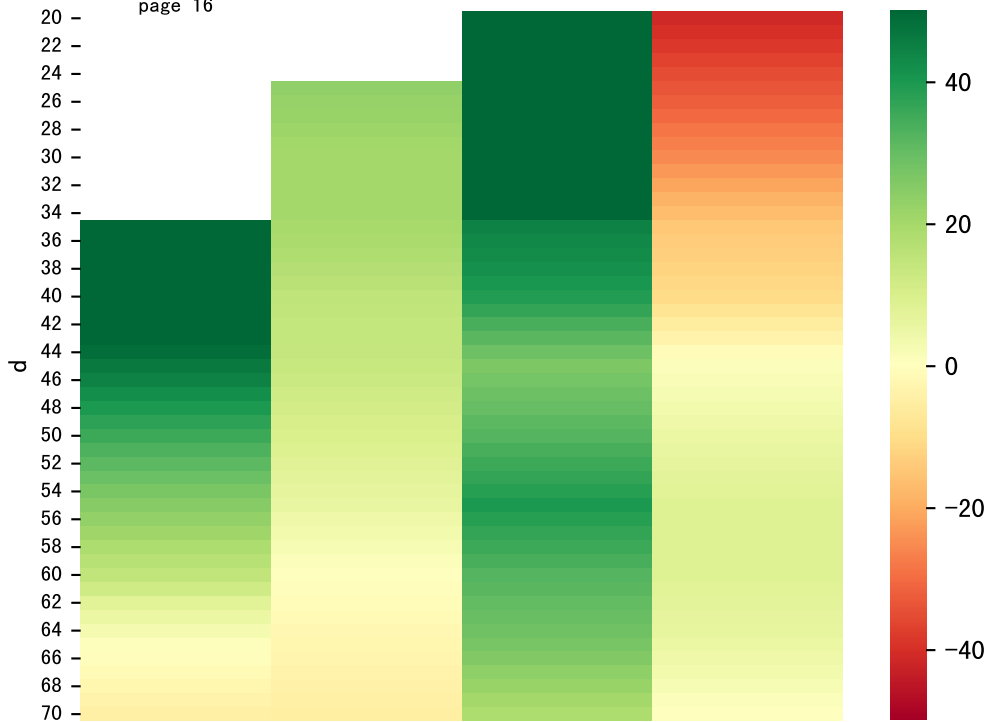


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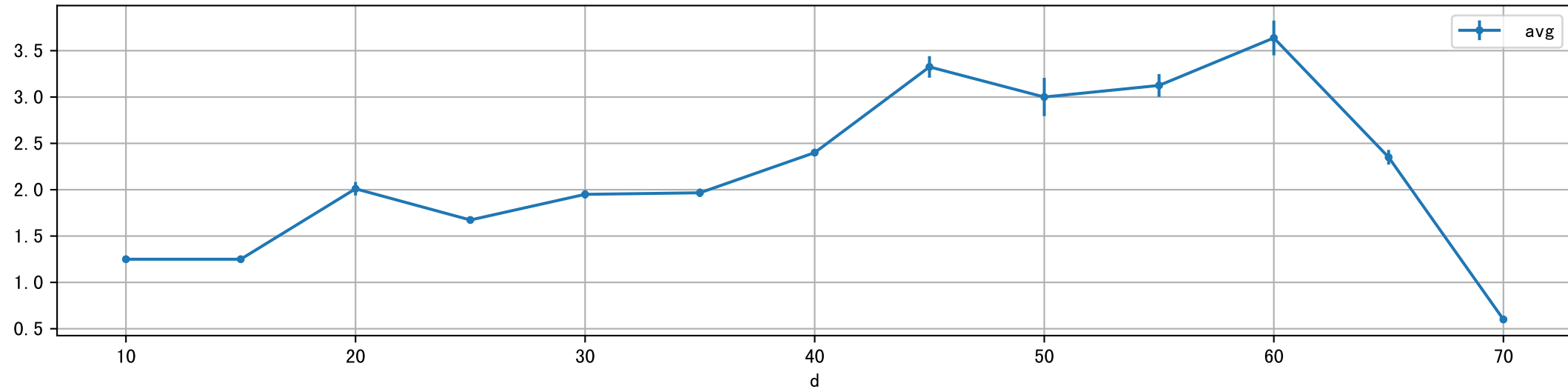


NdD: sfDem

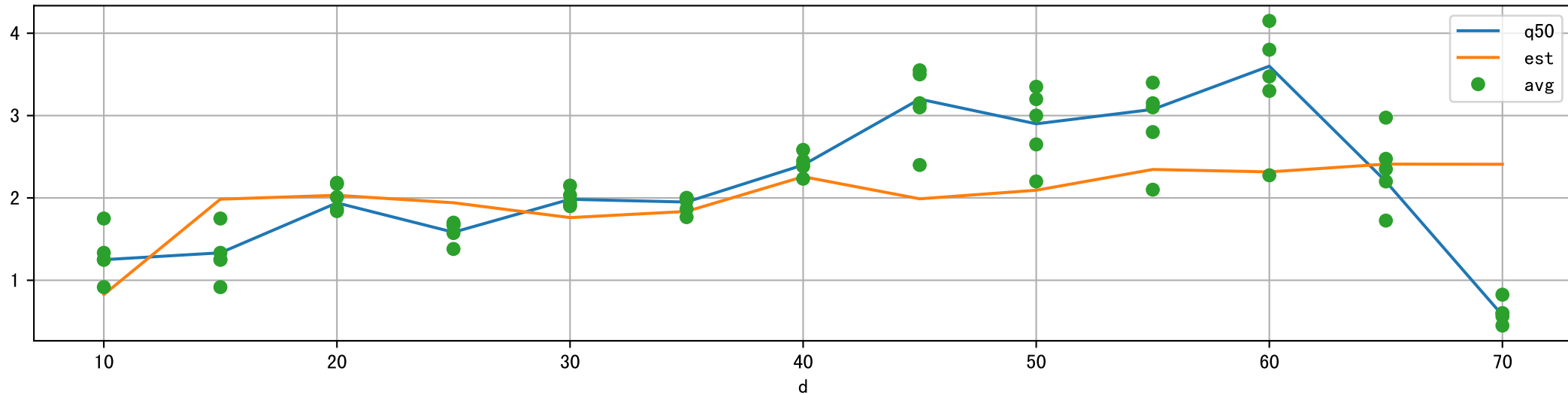




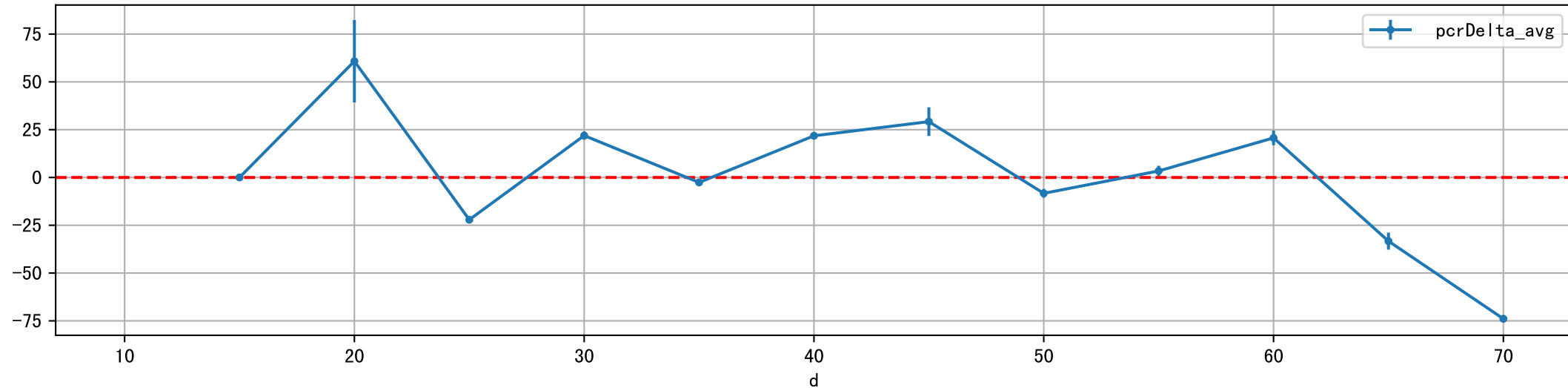
dStH: avg vs. d



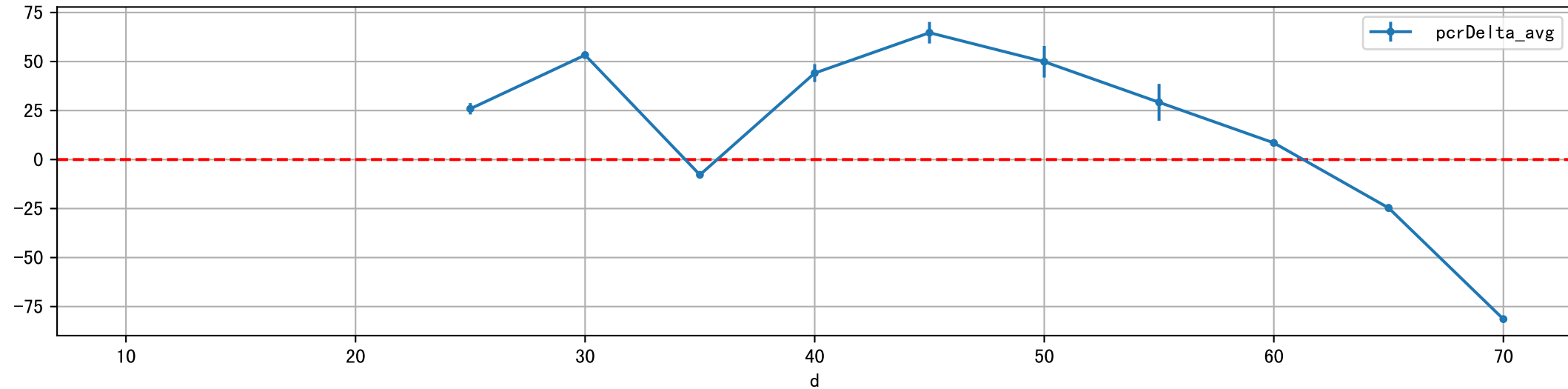
dStH: obsAvg vs obs0v@Q50



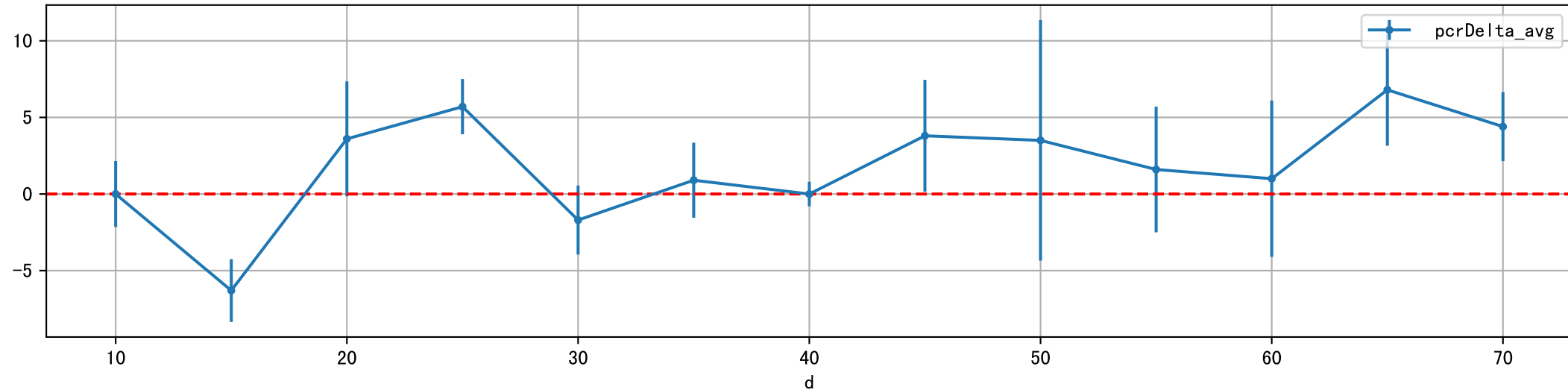
dStH: D_5d_StH



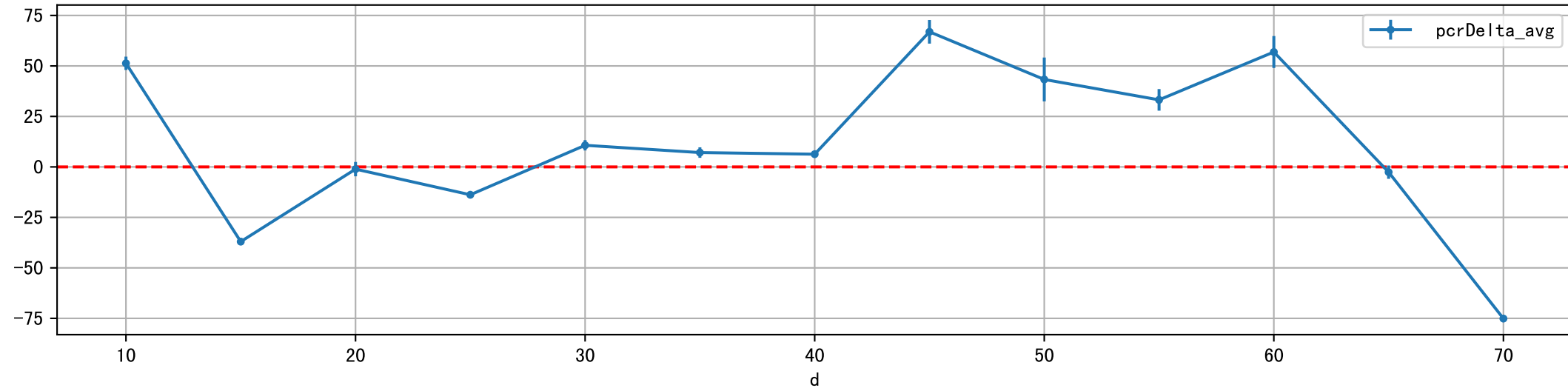
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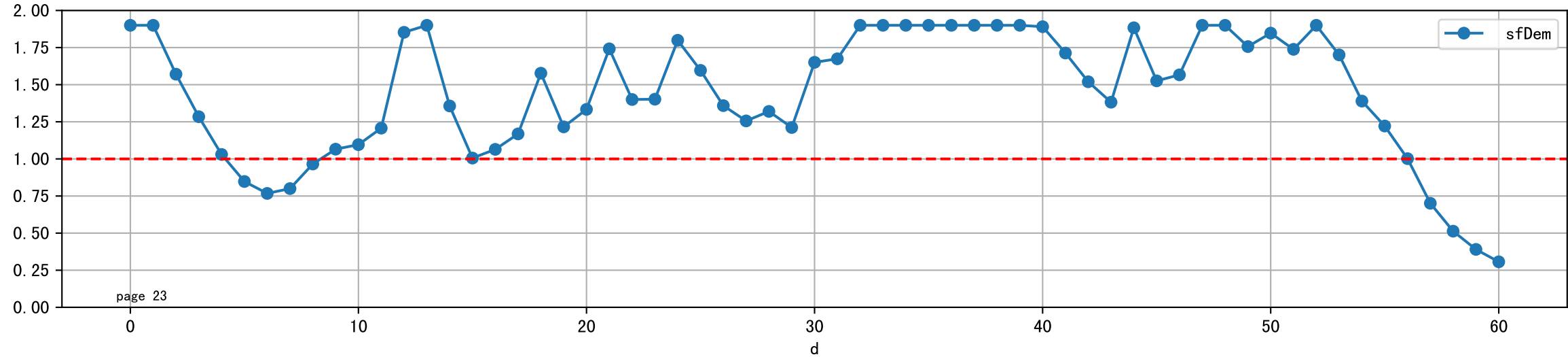
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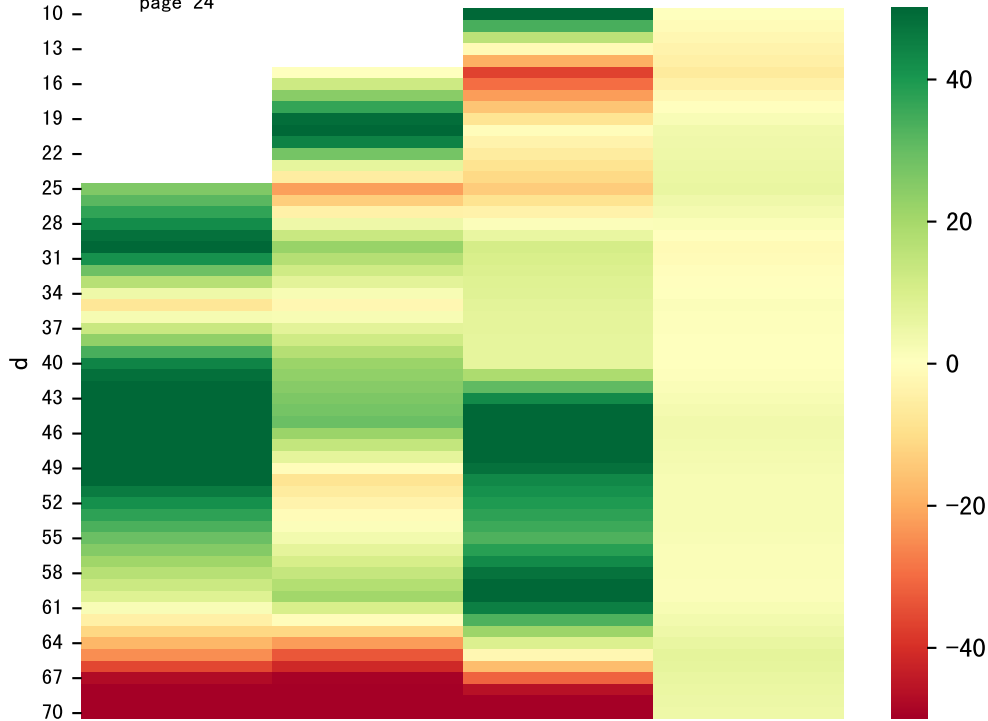


dStH: D_Est_StH



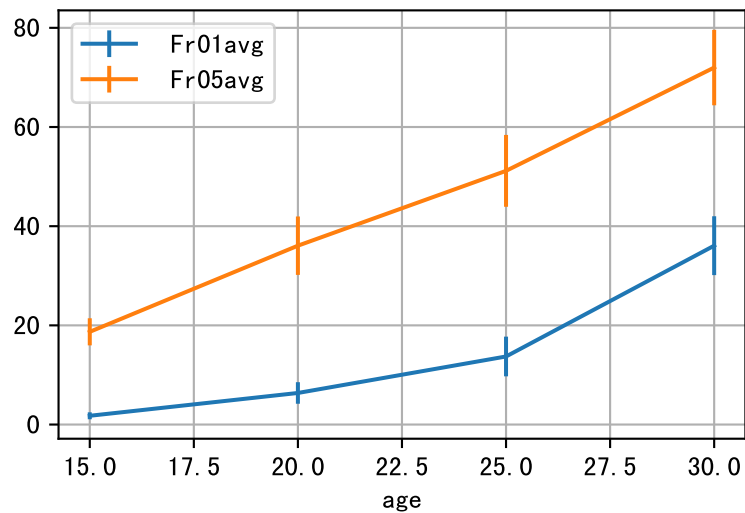
dStH: sfDem



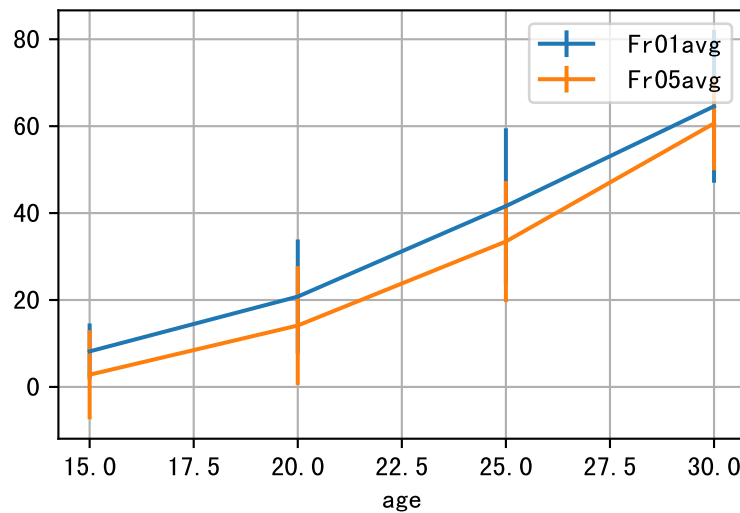


FrV: Fr01 vs Fr05 at each truss

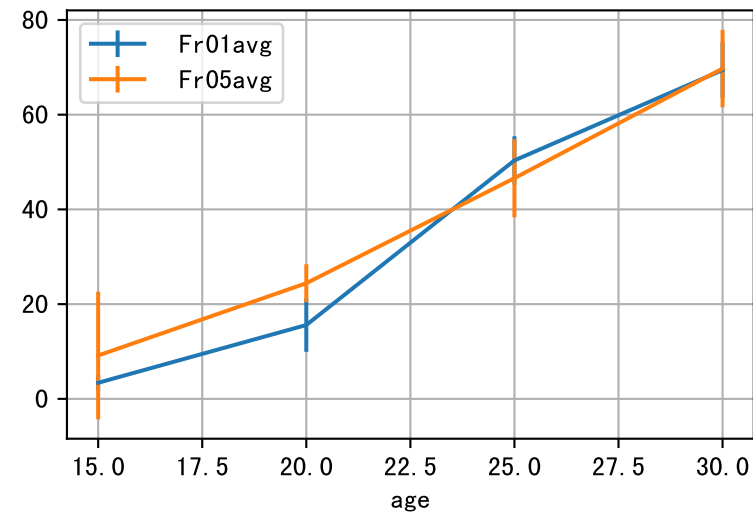
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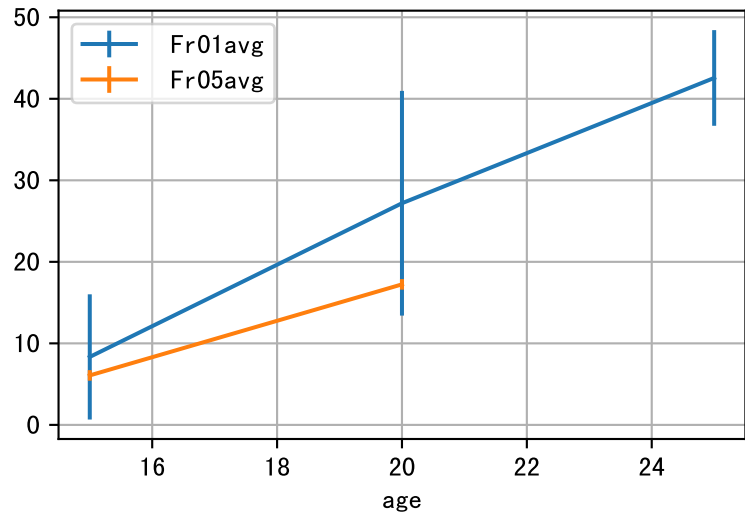
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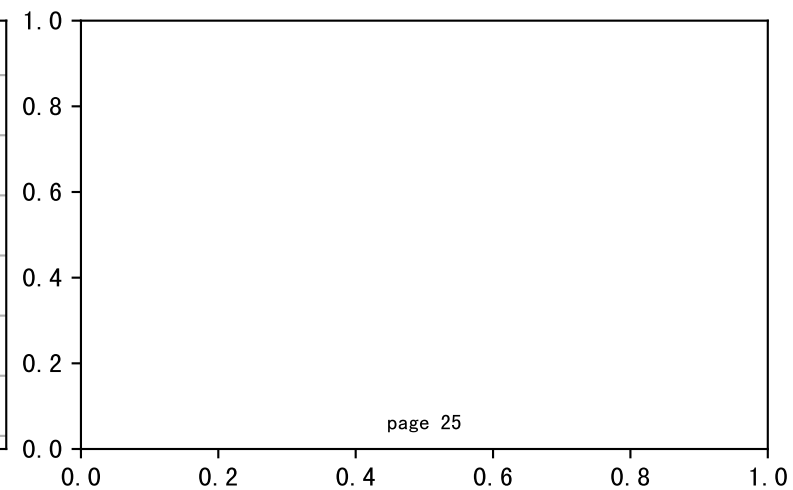
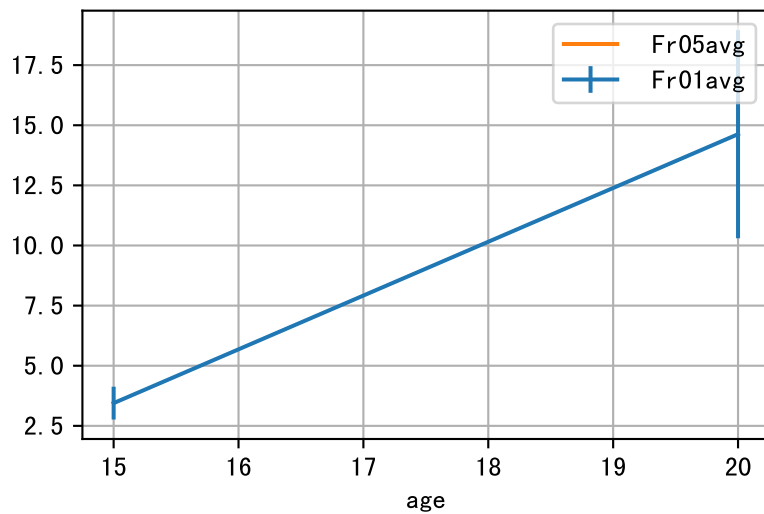
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organID=T04

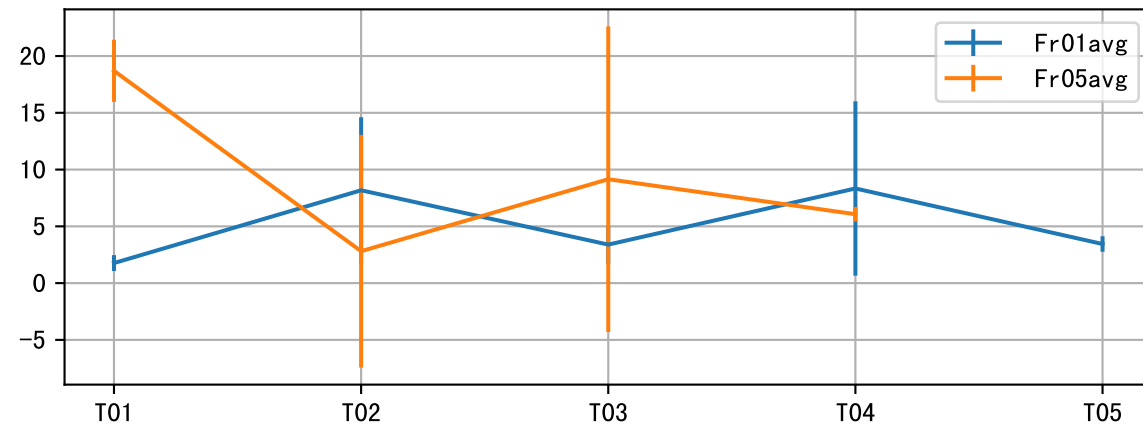


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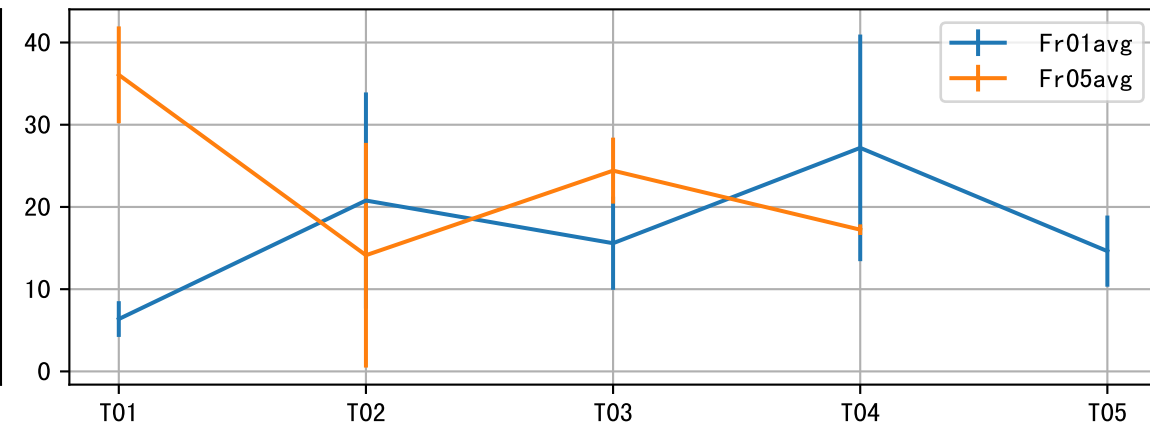


FrV trend at each age

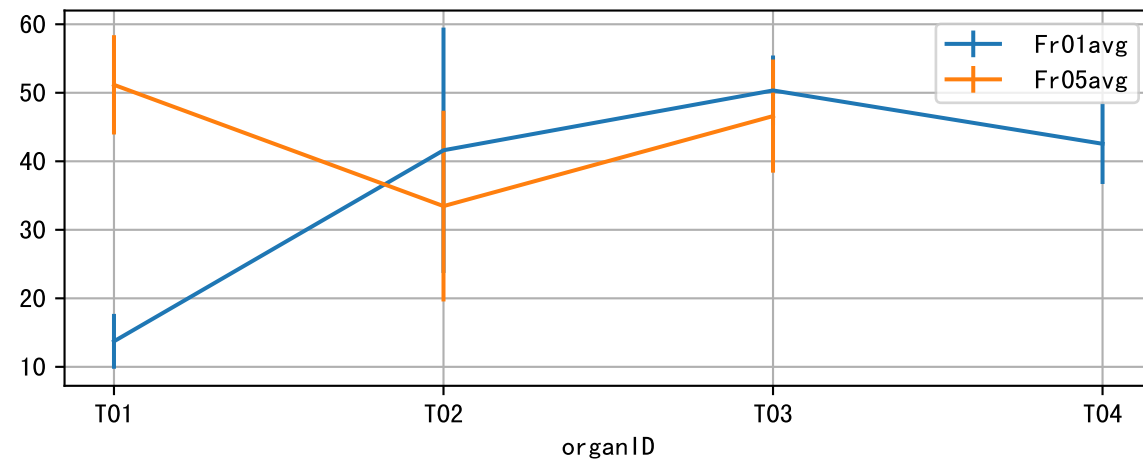
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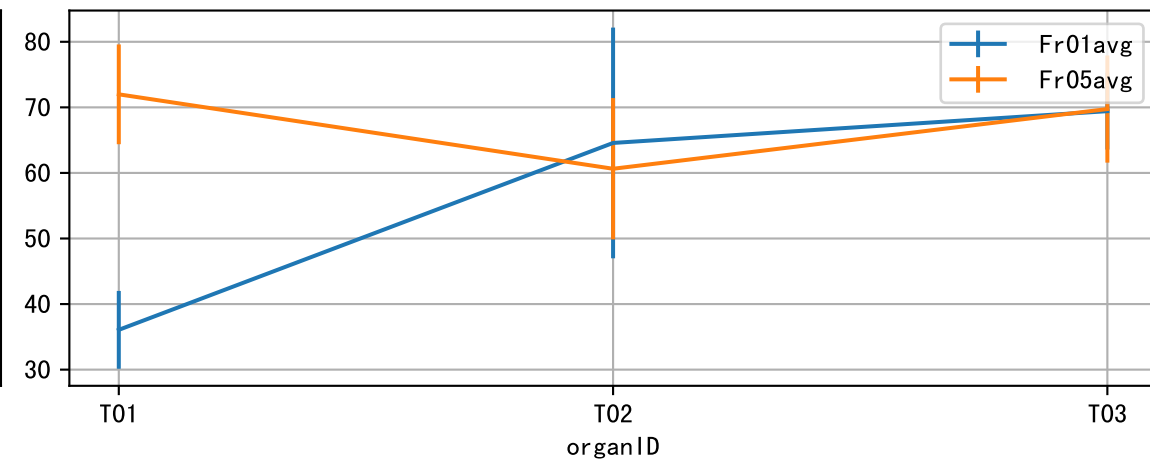
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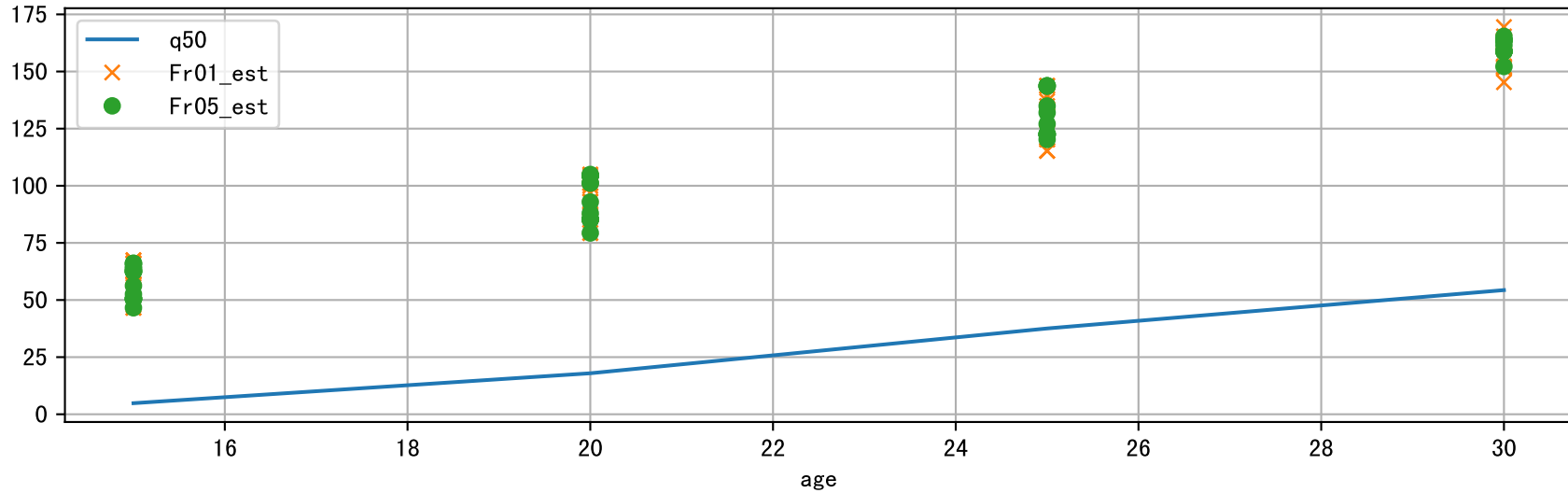
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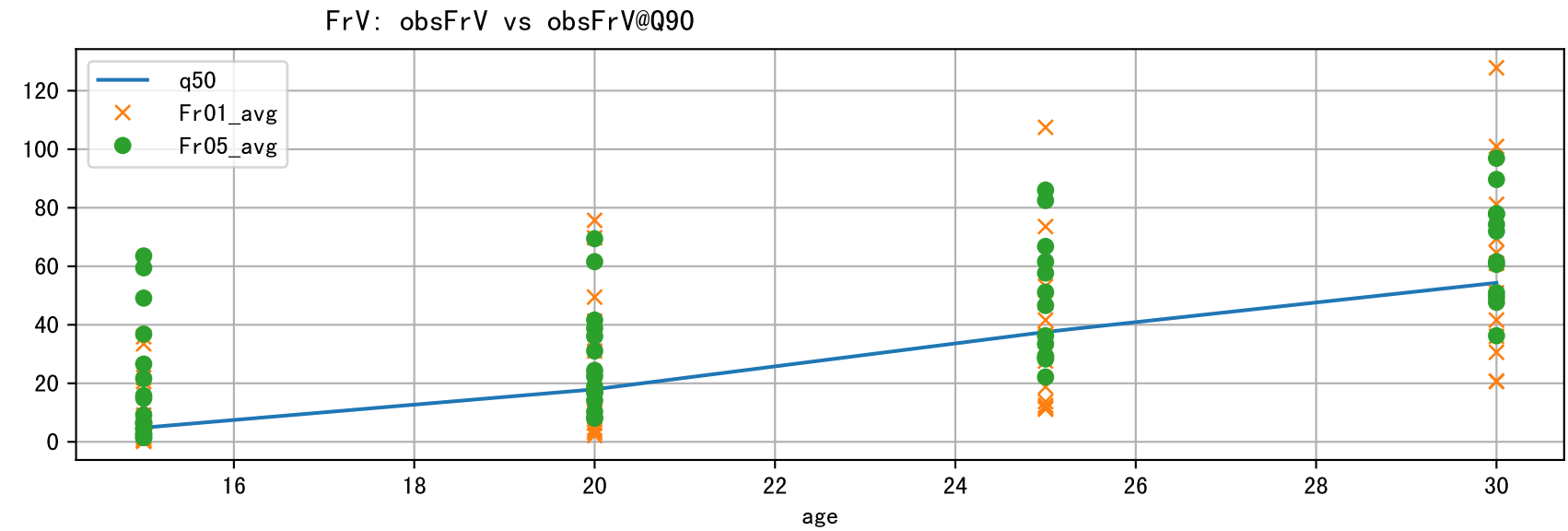


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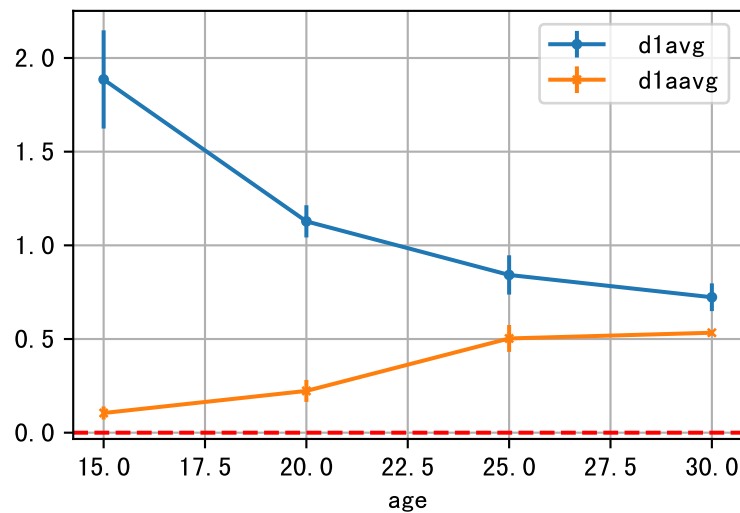
FrV: model Est vs obsFrV at Q90



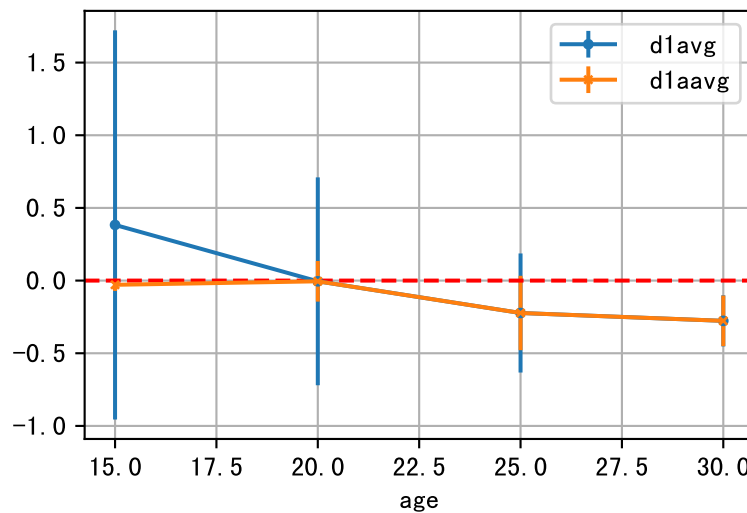


FrV: D_Fr1_FrV

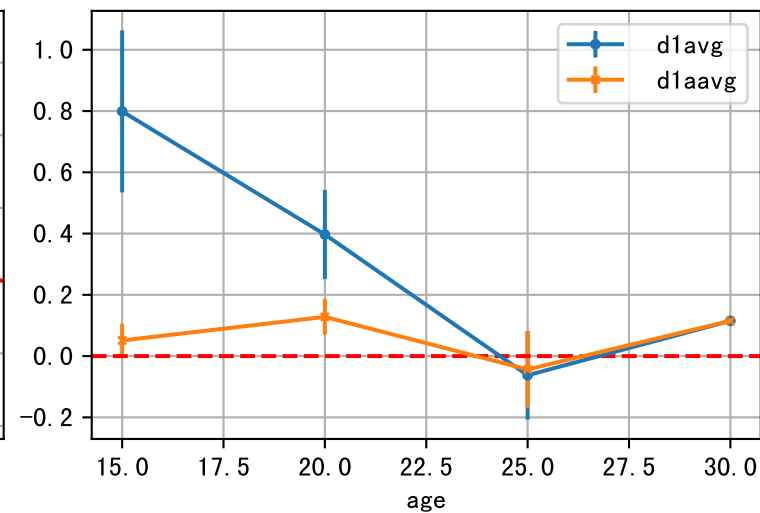
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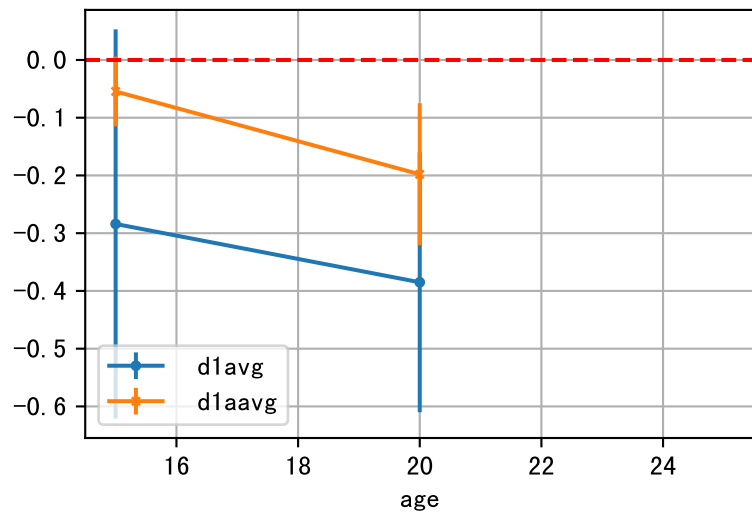
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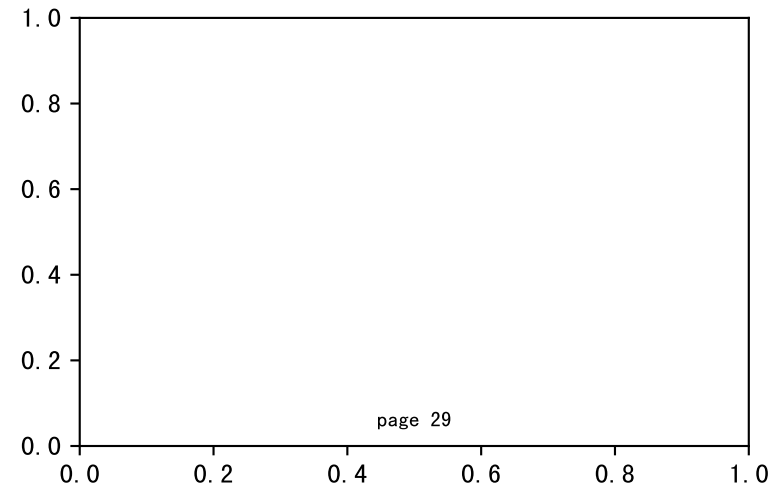
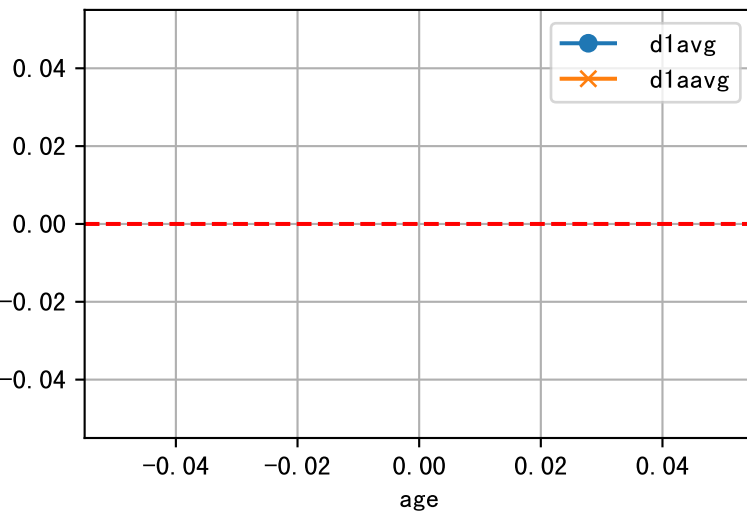
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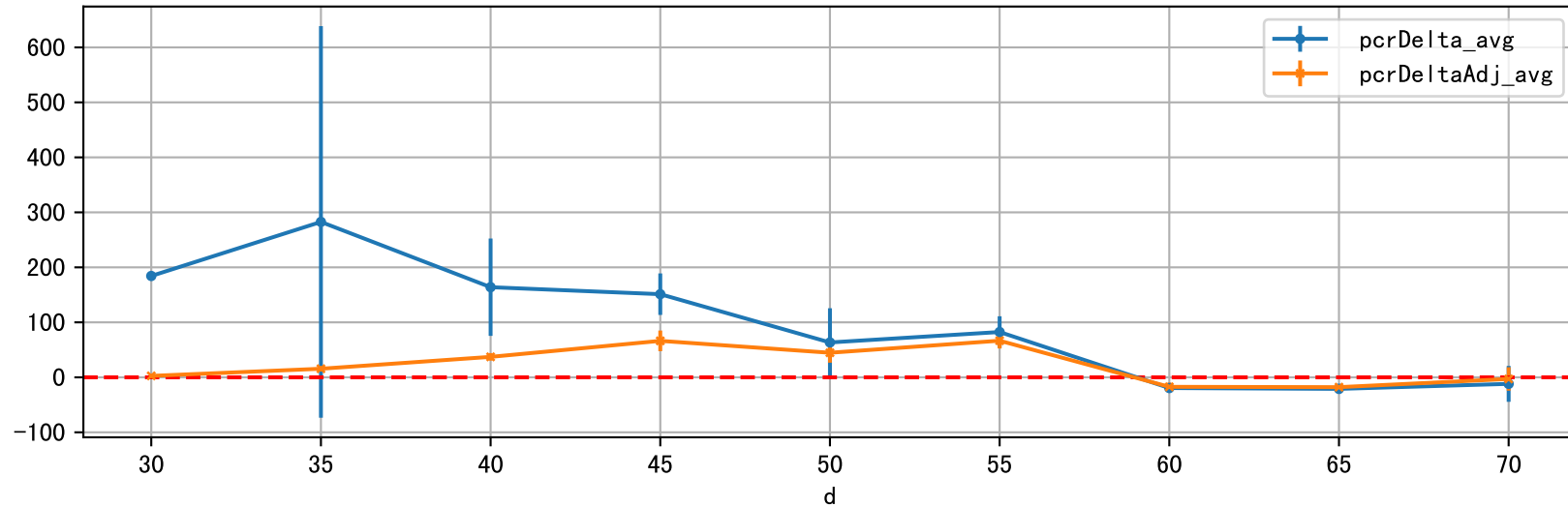
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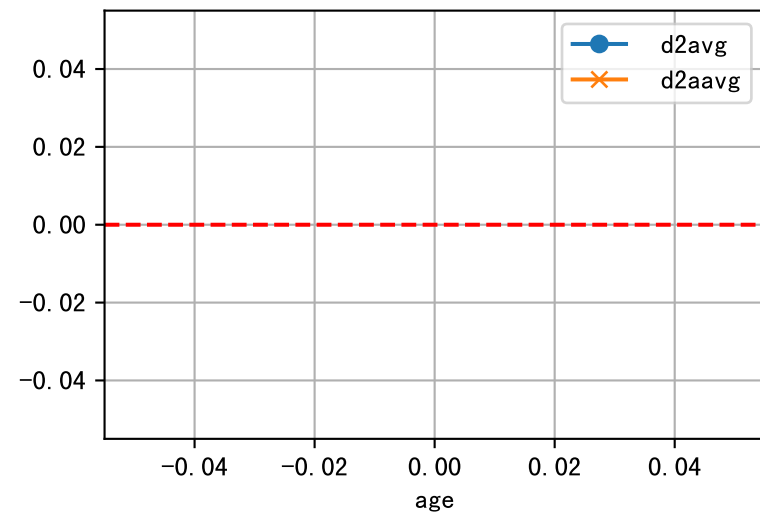
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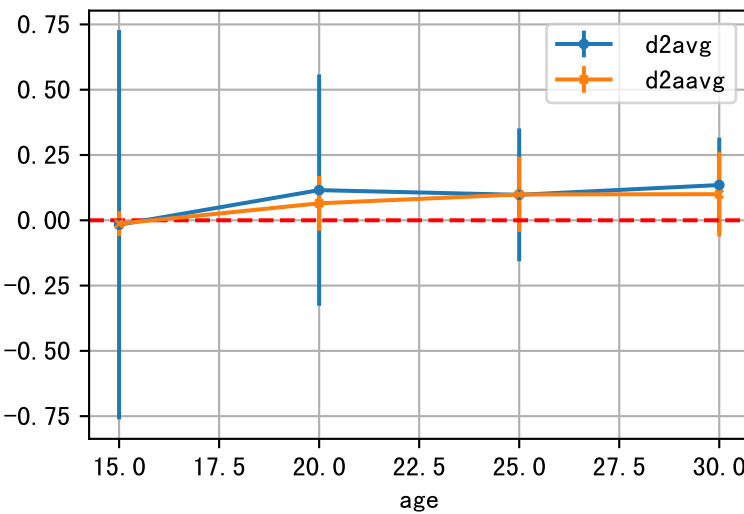
P9AE FrV: D_Fr1_FrV



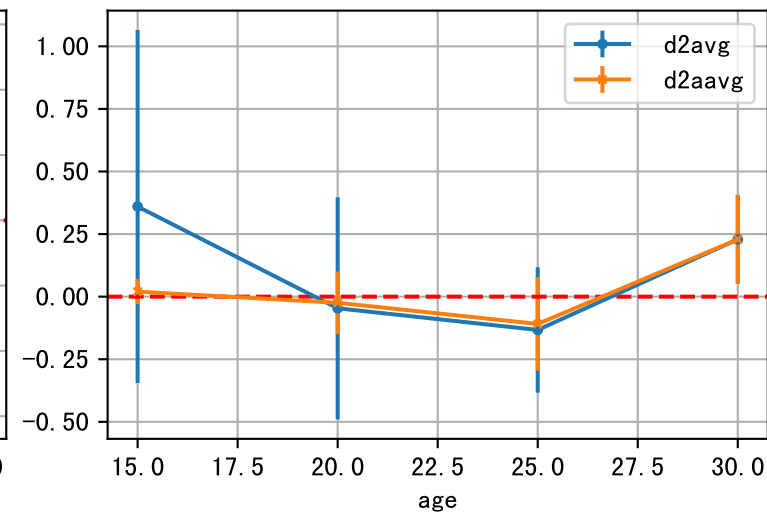
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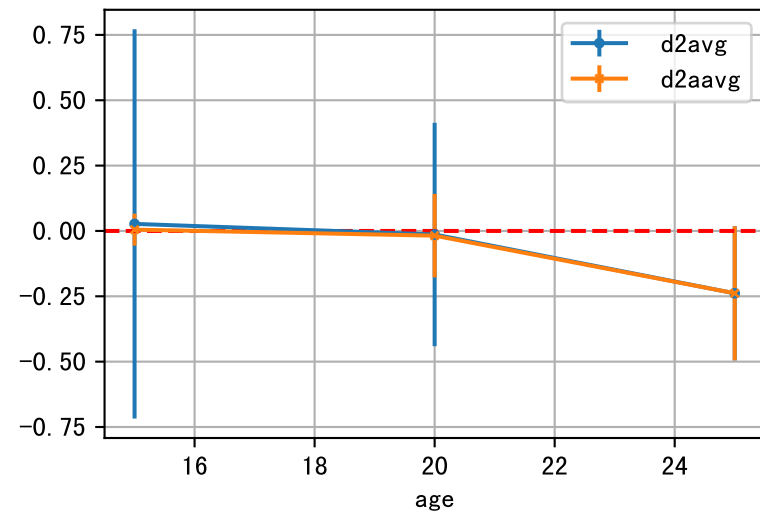
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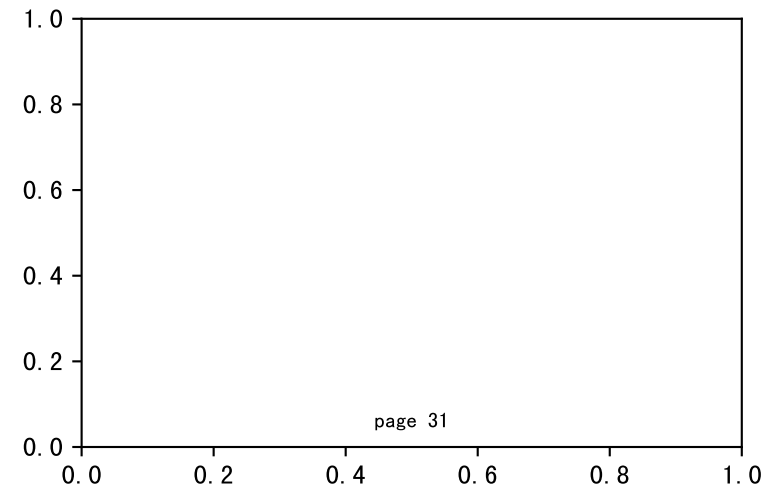
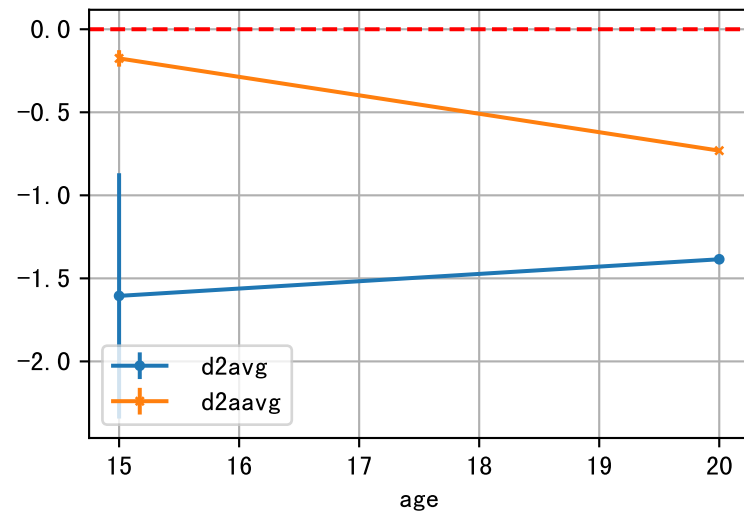
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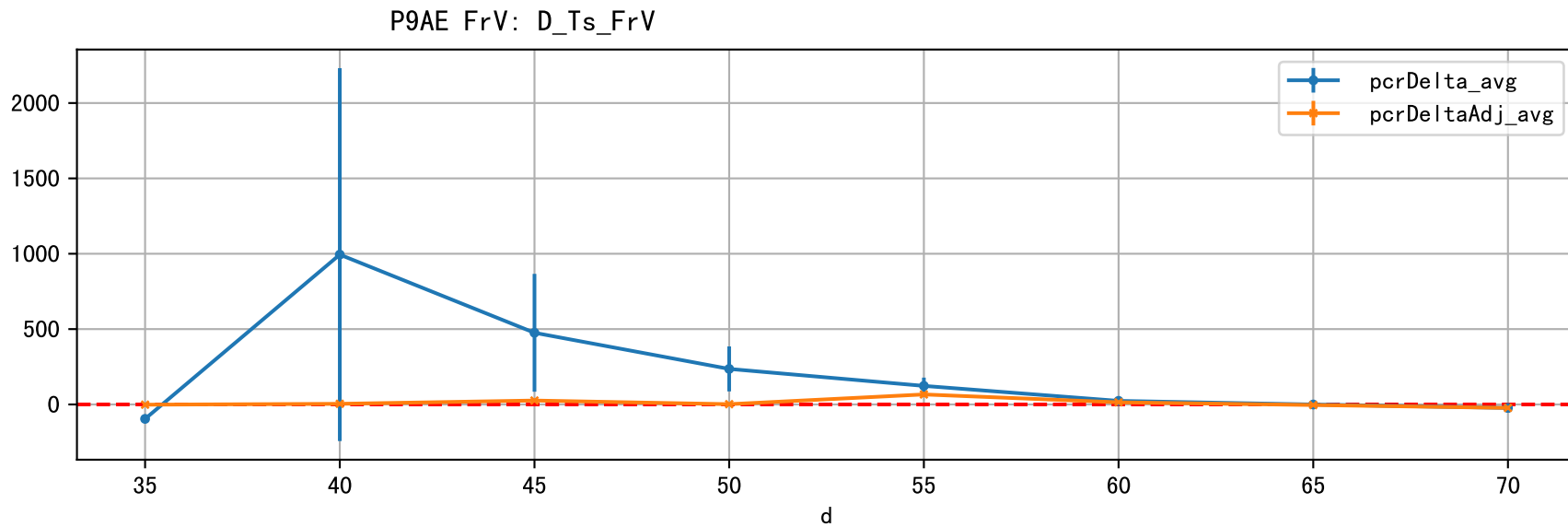


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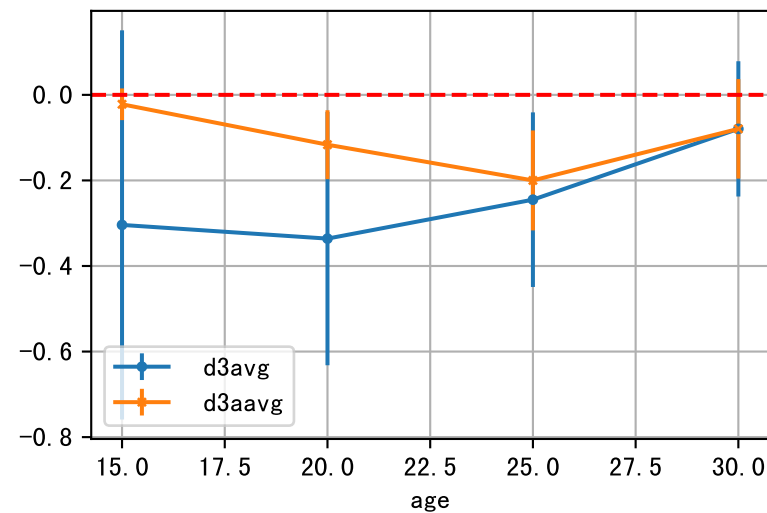


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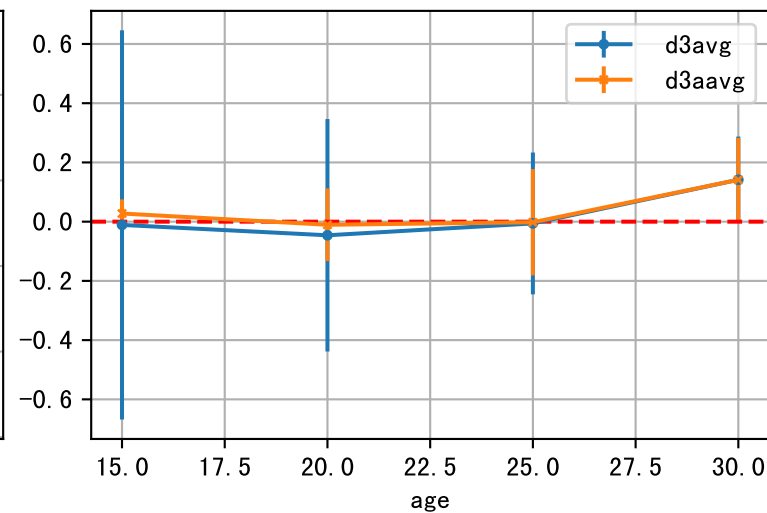




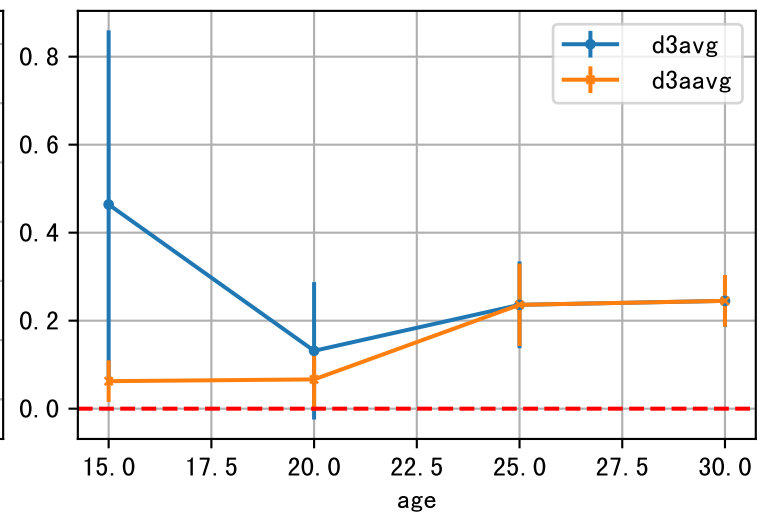
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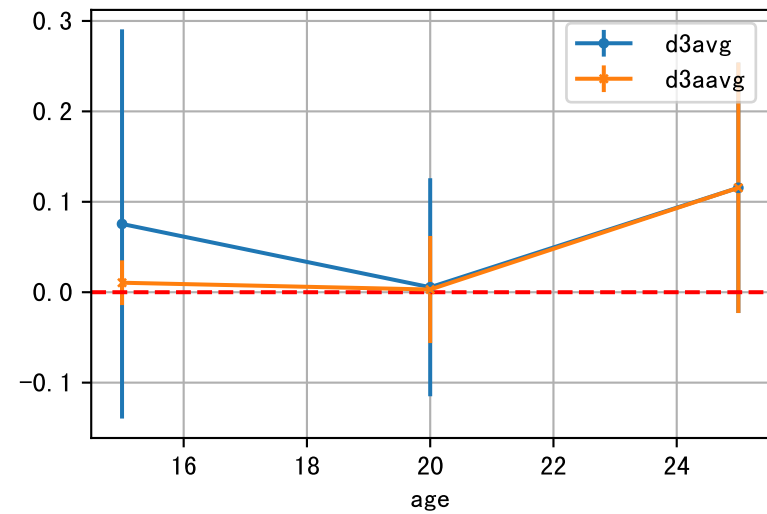
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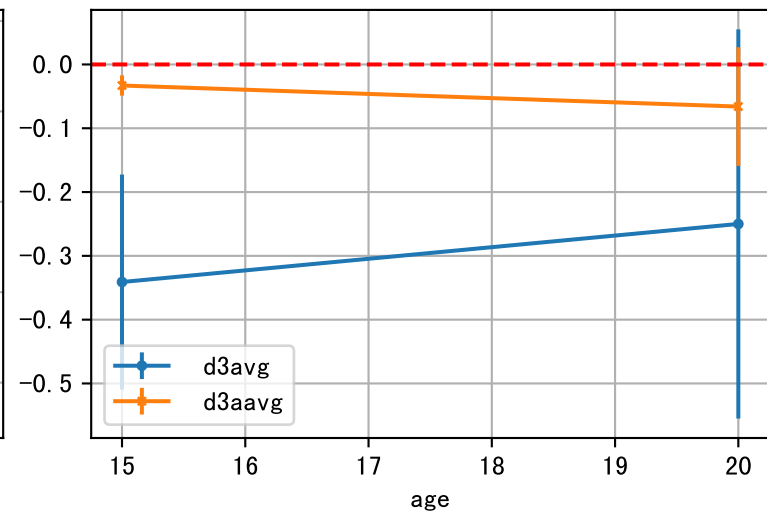
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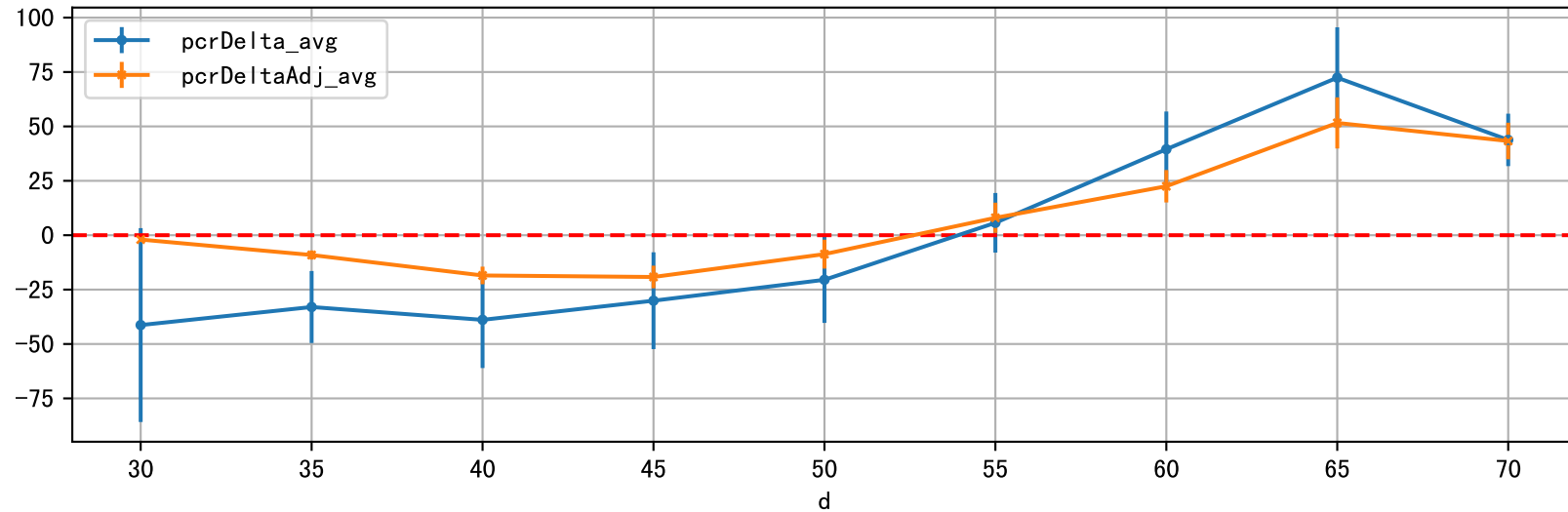
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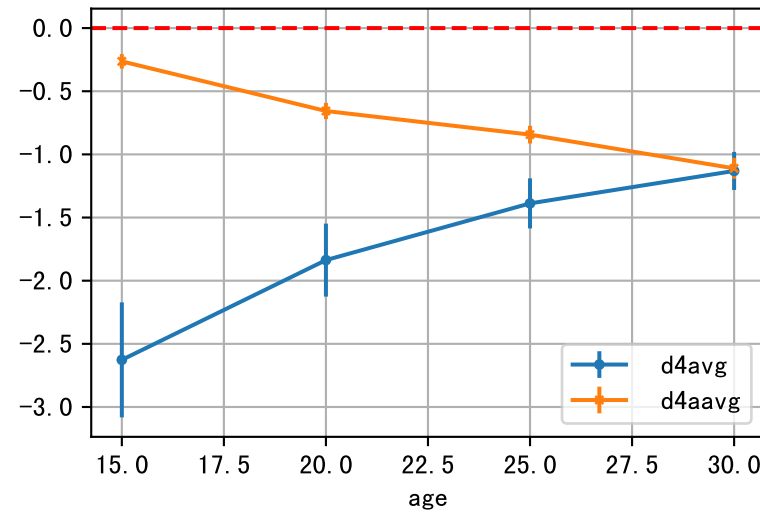


P9AE FrV: D_Q50_FrV

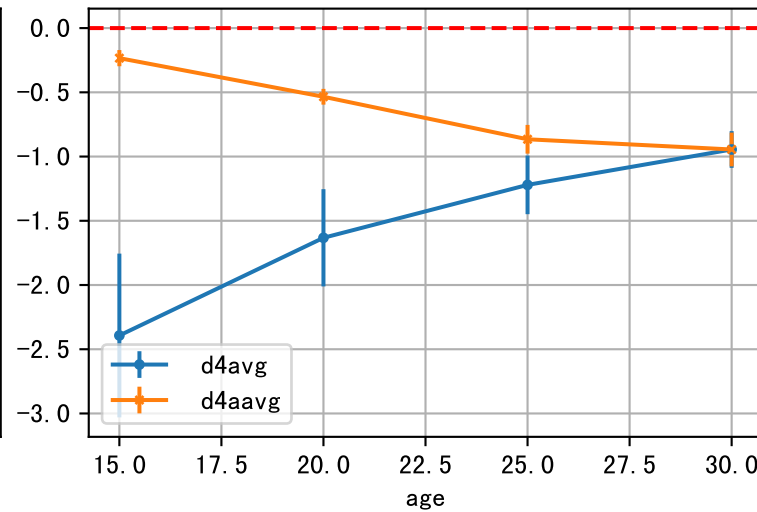


FrV: D_Est_FrV

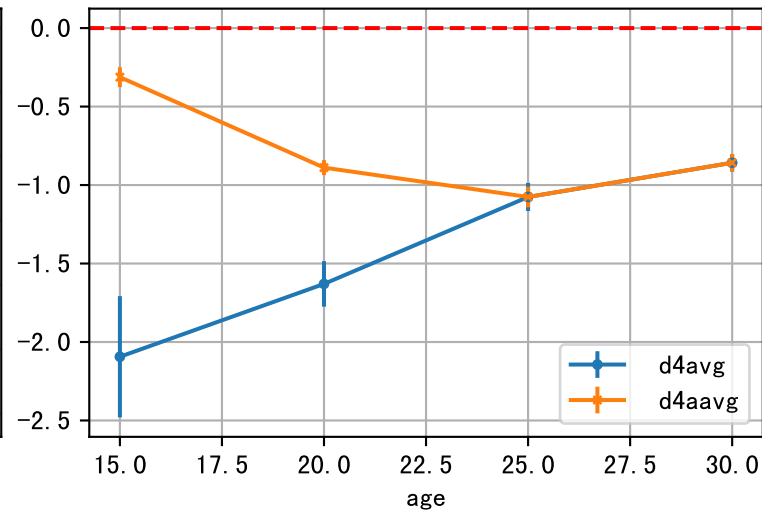
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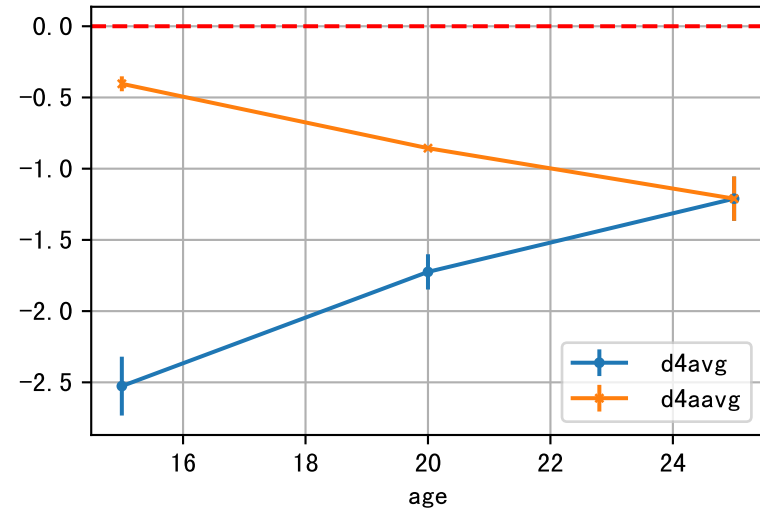
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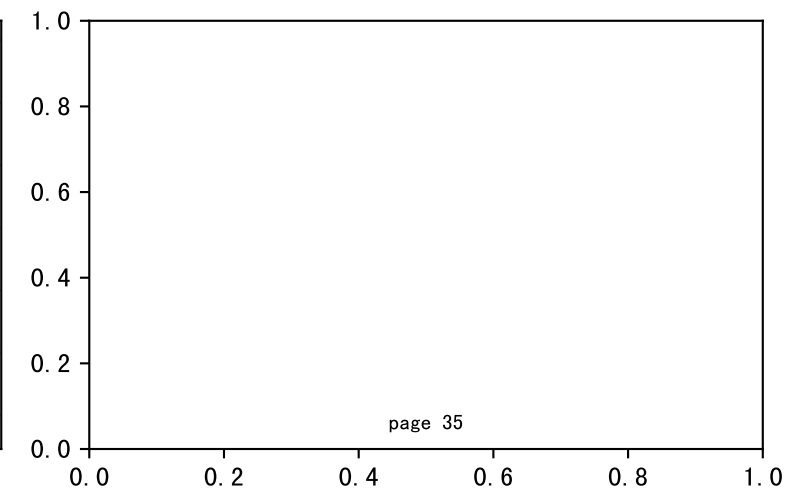
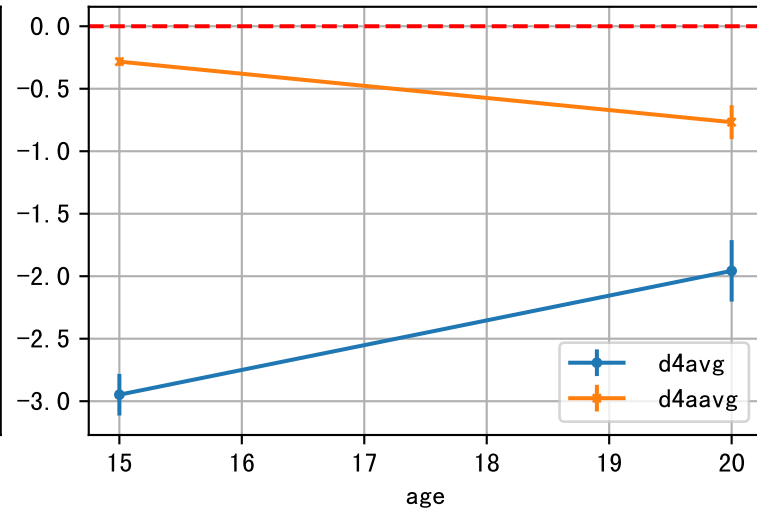
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P9AE FrV: D_Est_FrV

