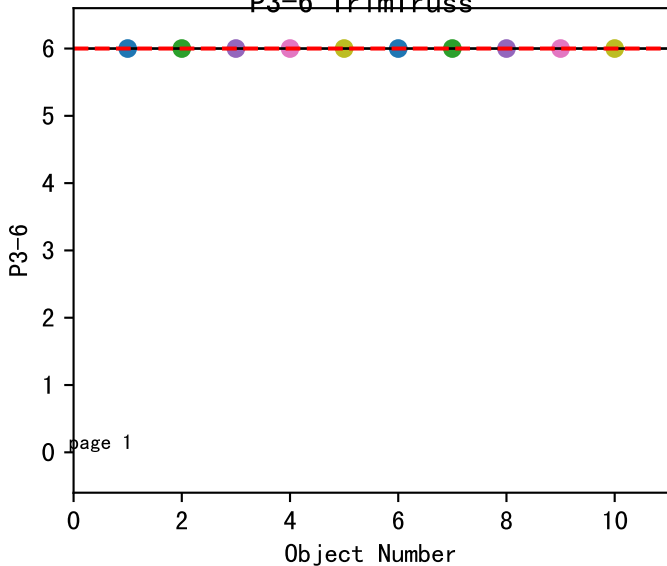


Phenotype Data Analysis Plots
PhenoData day range = 12 - 69
Analysis cutoff day = 69
NC11 P3-6
2025-06-07 (Day 70)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0 ~0% avg2=na

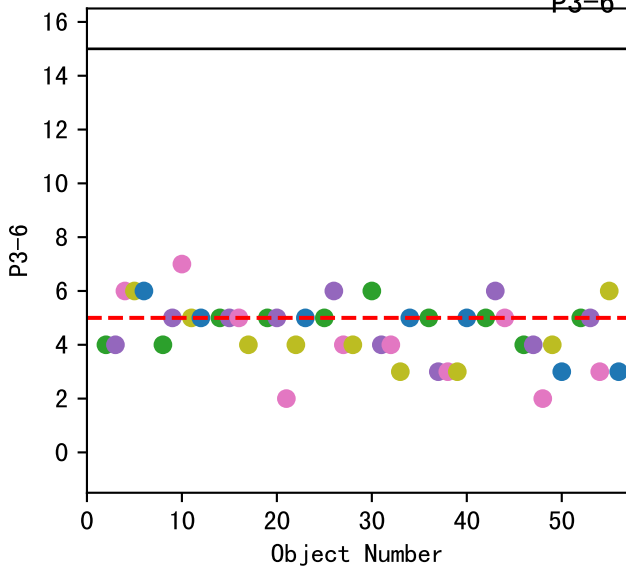
P3-6 TrimTruss



FruitNumAvgPerTruss (Def=15 Set=5)

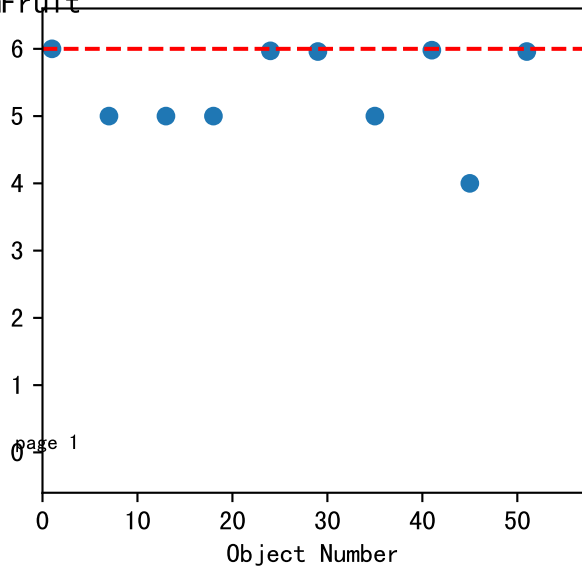
avg1=5.0~19% avg2=na

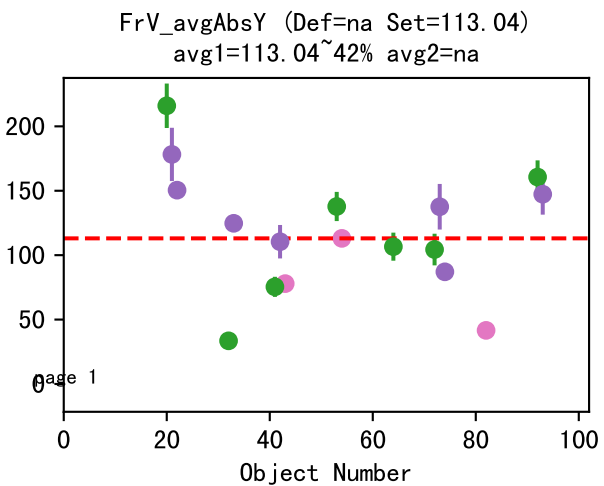
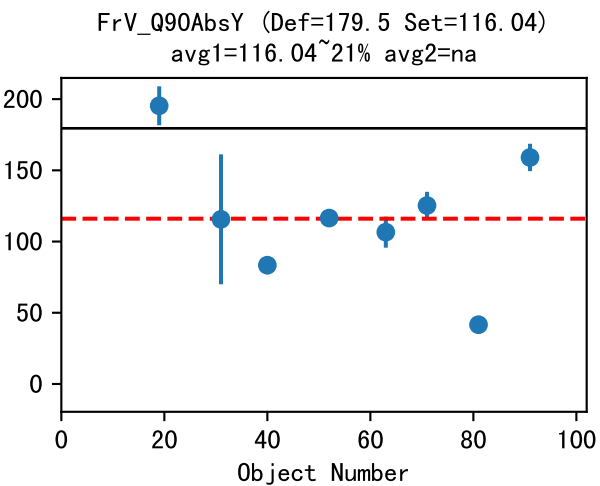
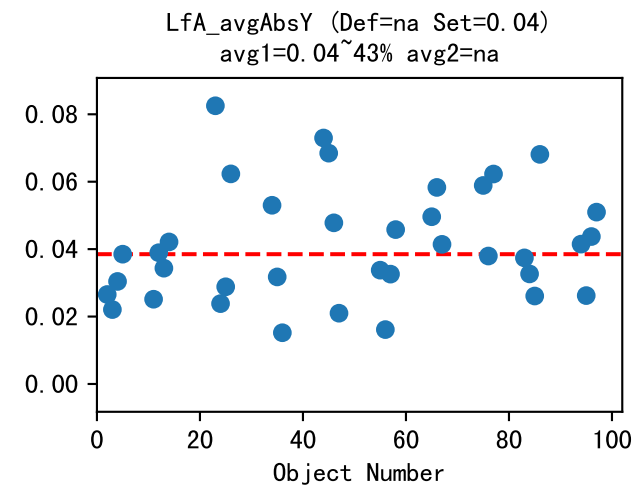
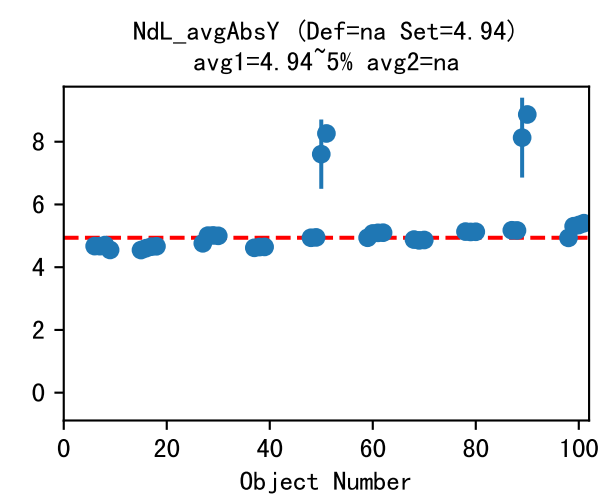
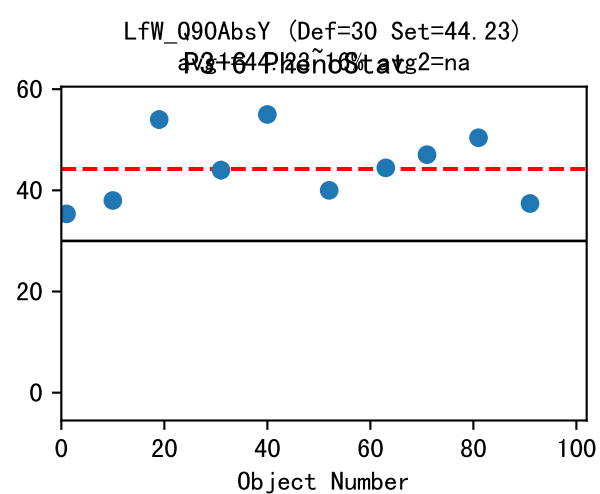
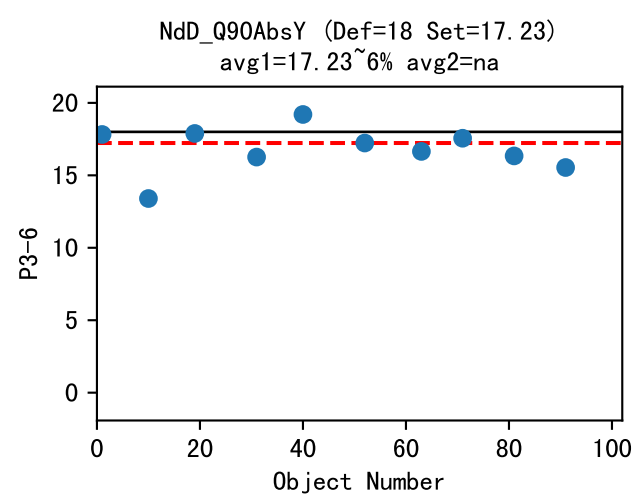
P3-6 TrimFruit



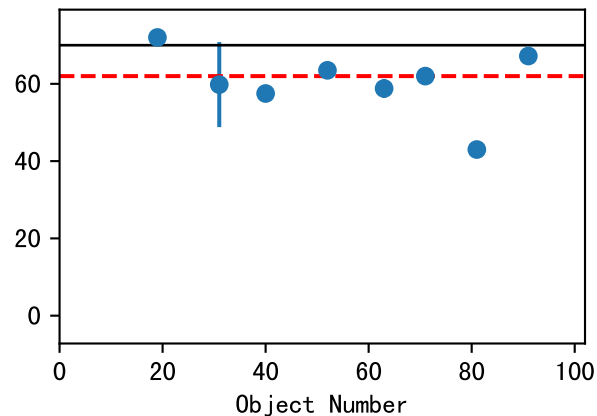
FruitNumMaxPerTruss (Def=na Set=6)

avg1=6.0~11% avg2=na

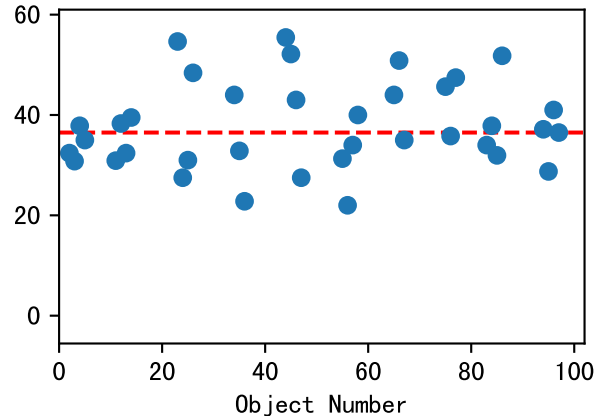




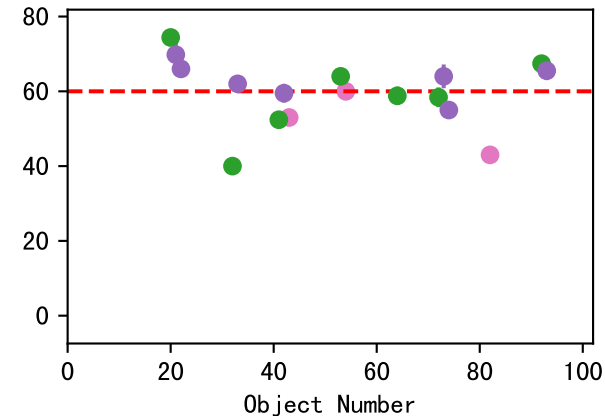
FrD_Q90AbsY (Def=70 Set=62.0)
avg1=62.0~8% avg2=na



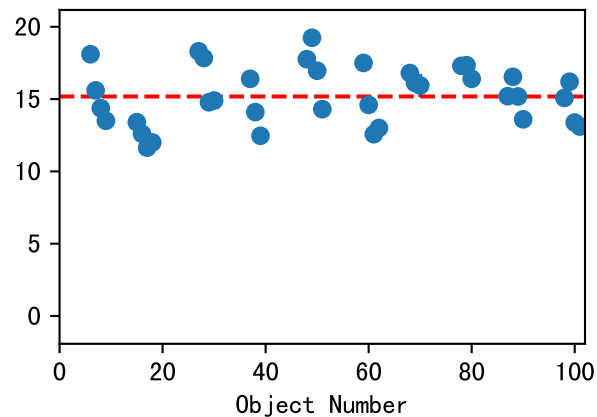
LfW_avgAbsY (Def=na Set=36.5)
avg1=36.5~24% avg2=na



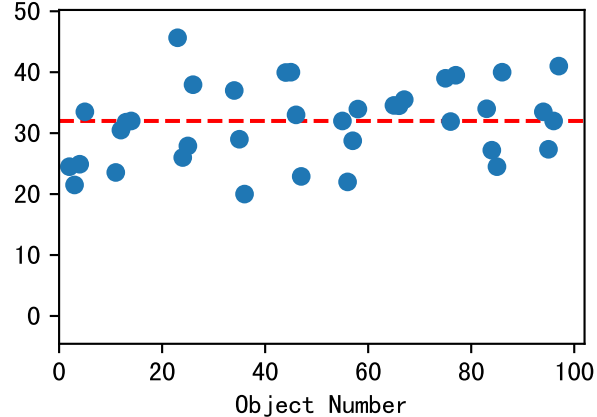
FrD_avgAbsY (Def=na Set=60.0)
avg1=60.0~15% avg2=na



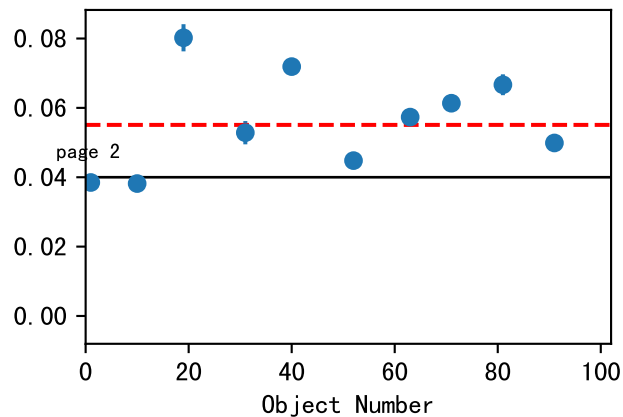
NdD_avgAbsY (Def=na Set=15.18)
avg1=15.18~13% avg2=na



LfL_avgAbsY (Def=na Set=32.0)
avg1=32.0~20% avg2=na

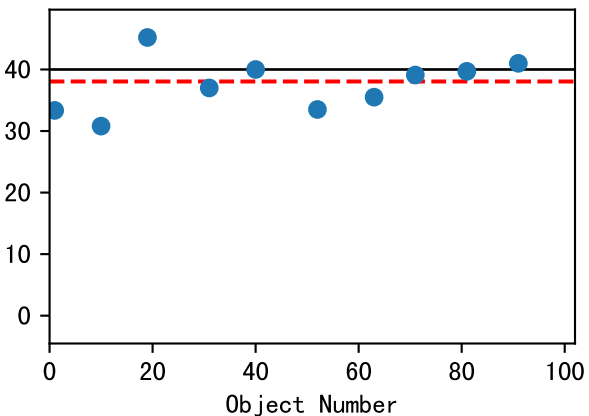


LfA_Q90AbsY (Def=0.04 Set=0.06)
avg1=0.06~26% avg2=na



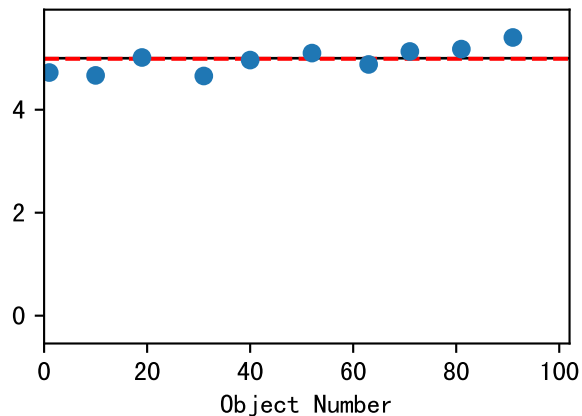
LfL_Q90AbsY (Def=40 Set=38.05)

avg1=38.05~11% avg2=na



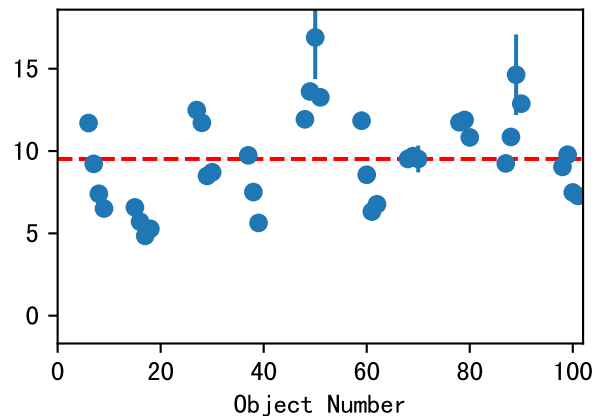
NdL_Q90AbsY (Def=5 Set=4.99)

avg1=4.99~5% avg2=na



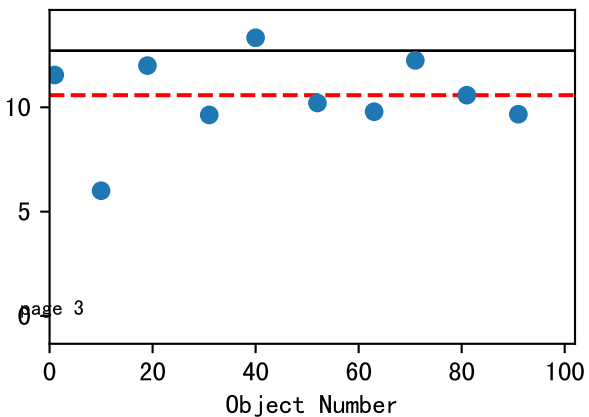
NdV_avgAbsY (Def=na Set=9.52)

avg1=9.52~30% avg2=na

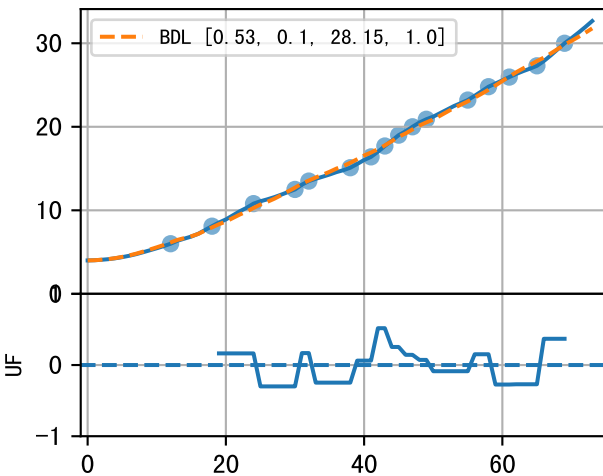


NdV_Q90AbsY (Def=12.72 Set=10.58)

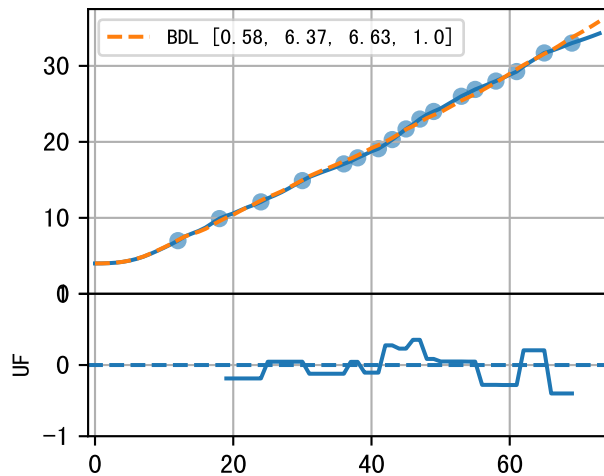
avg1=10.58~13% avg2=na



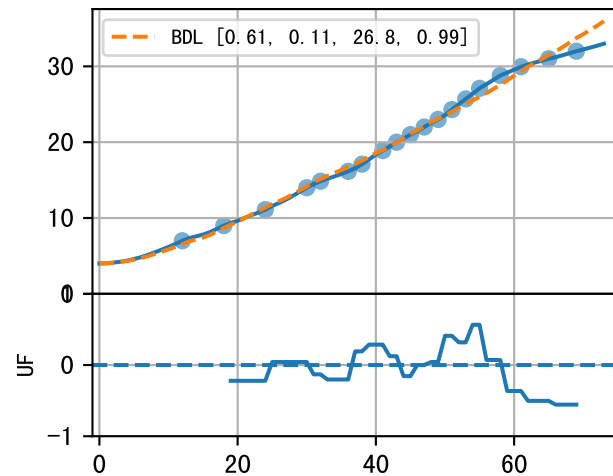
P3-6-003-24 (fit failed)



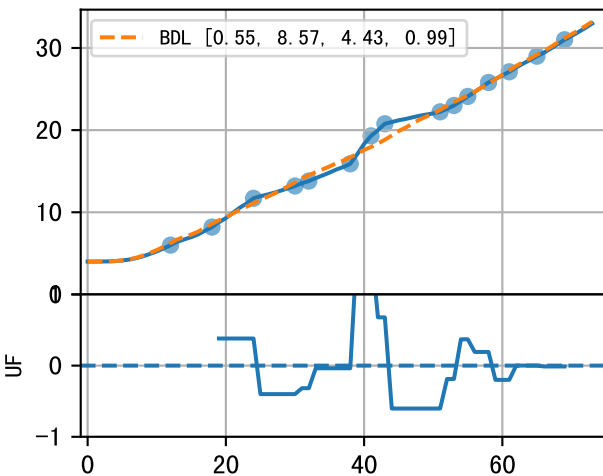
P3-6-007-11 (fit failed)



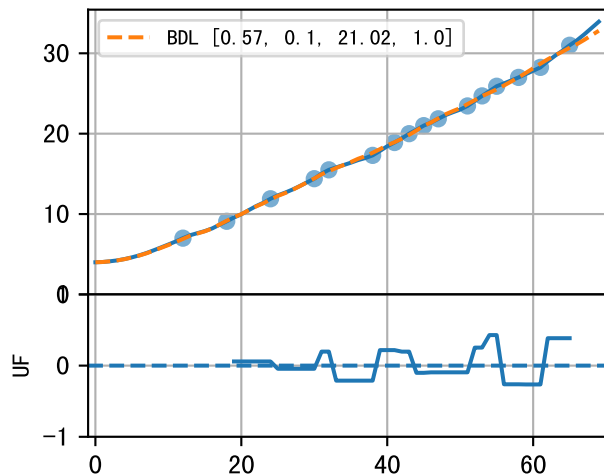
P3-6-011-7 (fit failed)



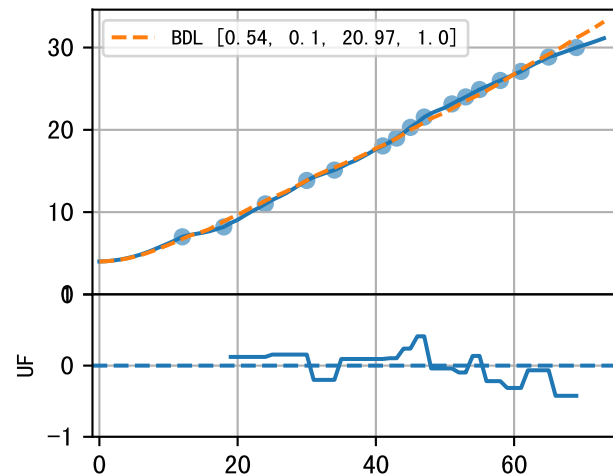
P3-6-015-30 (fit failed)



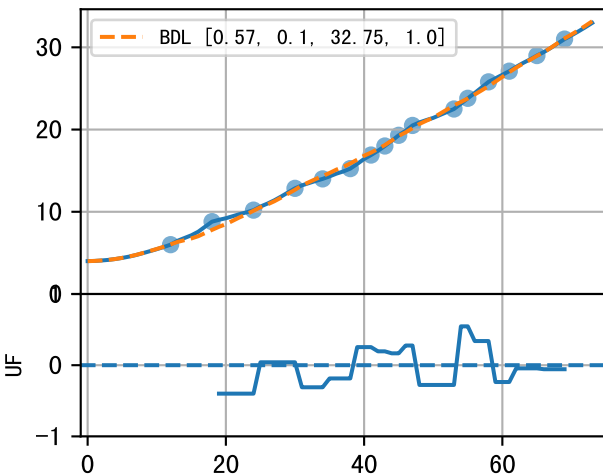
P3-6-019-12 (fit failed)



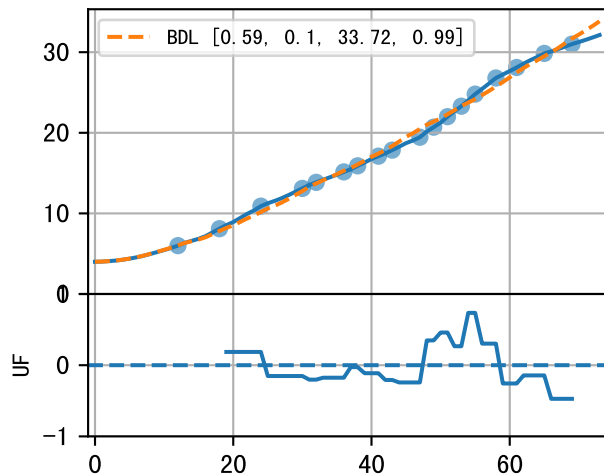
P3-6-024-25 (fit failed)



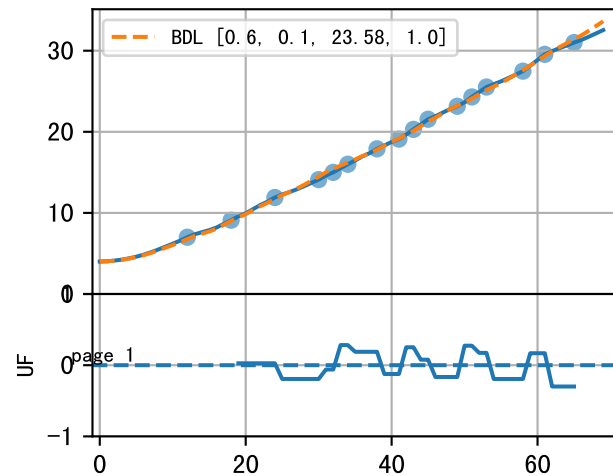
P3-6-028-32 (fit failed)



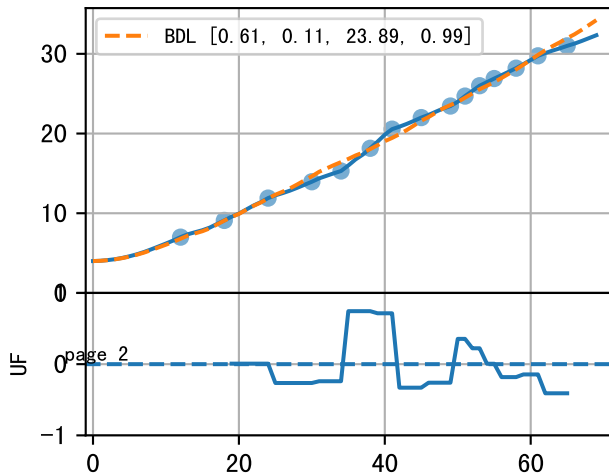
P3-6-033-9 (fit failed)



P3-6-038-21 (fit failed)



P3-6-042-4 (fit failed)



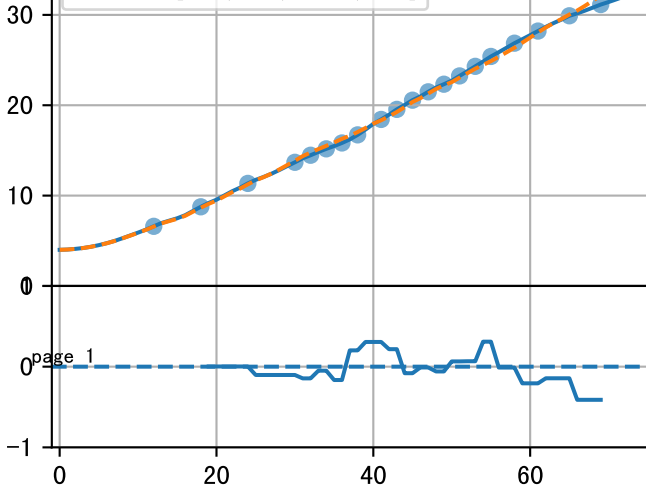
P3-6avg (fit failed)

NdN

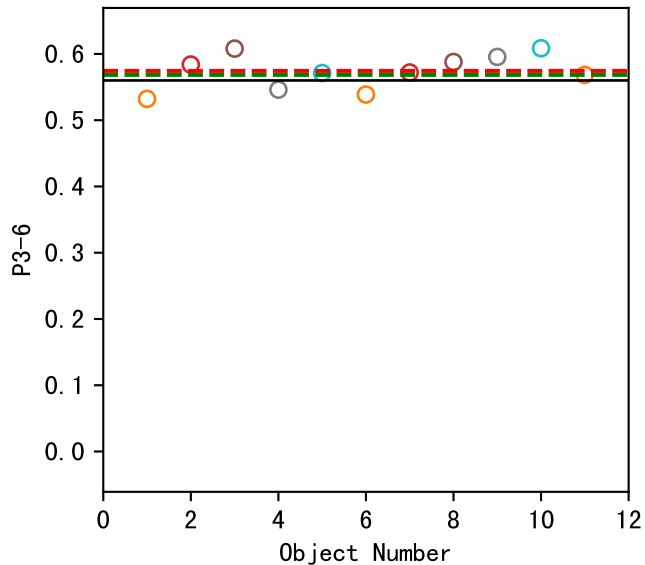
BDL [0.57, 0.1, 24.51, 1.0]

UF

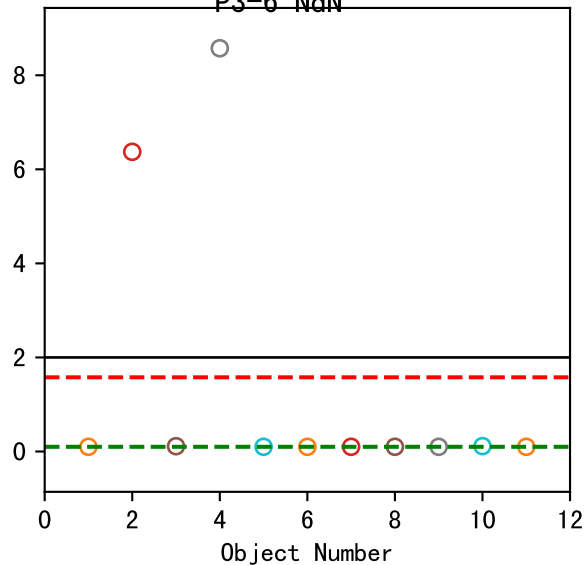
page 1



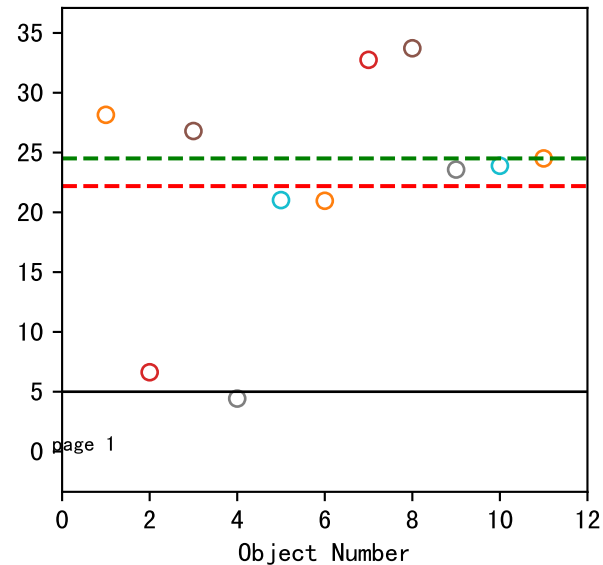
a (Def=0.56 Set=0.57)
avg1=0.57(fail) avg2=0.57



dm (Def=2 Set=0.1)
avg1=1.58(fail) avg2=0.1



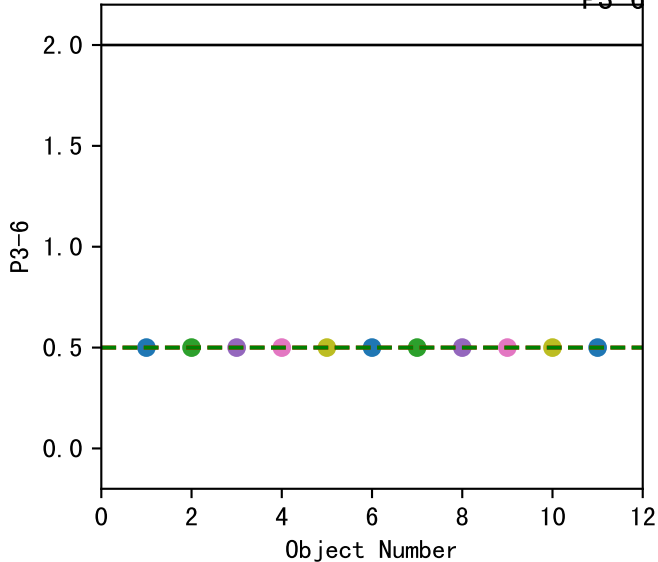
de (Def=5 Set=24.51)
avg1=22.19(fail) avg2=24.51



InitDev_dm (Def=2 Set=0.5)

avg1=0.5~0% avg2=0.5

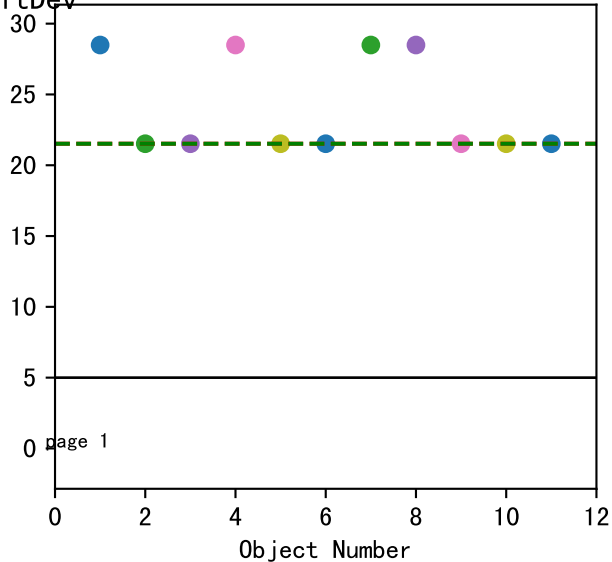
P3-6



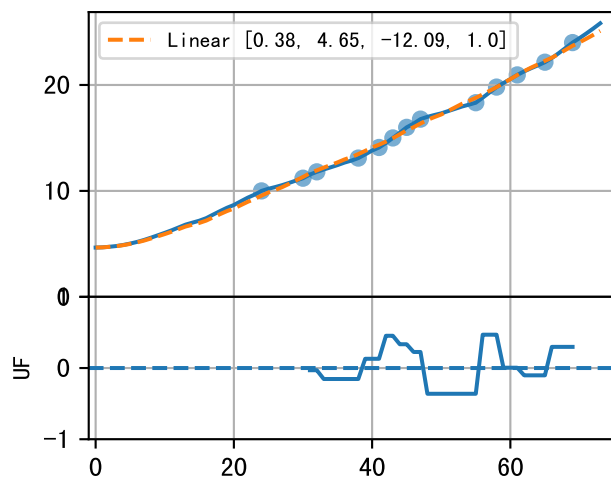
InitDev_de (Def=5 Set=21.52)

avg1=21.52~17% avg2=21.52

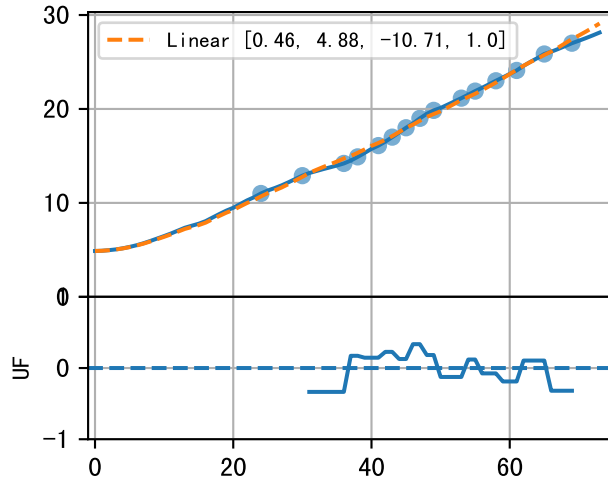
InitDev



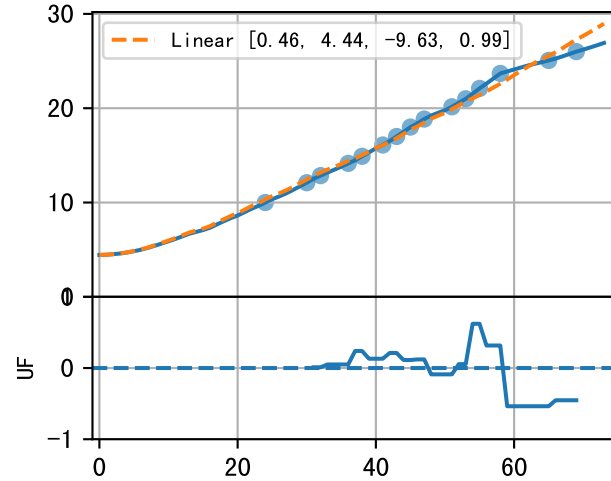
P3-6-003-24



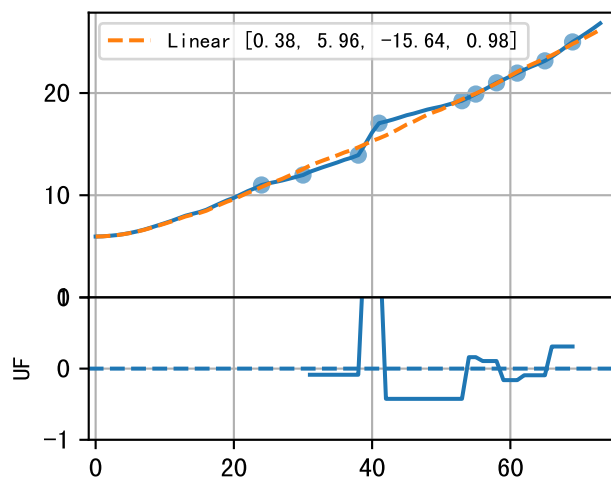
P3-6-007-11



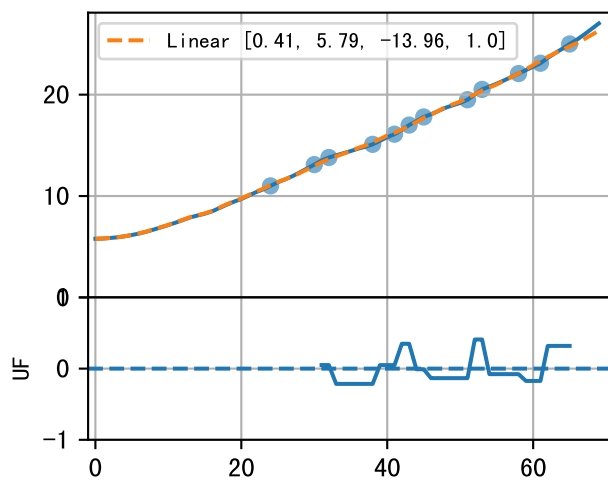
P3-6-011-7



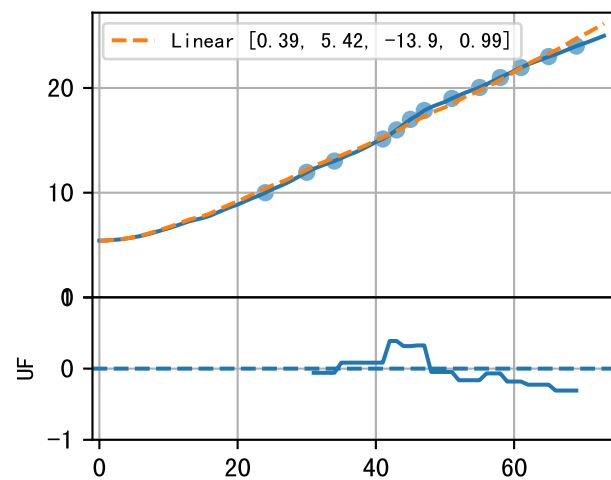
P3-6-015-30



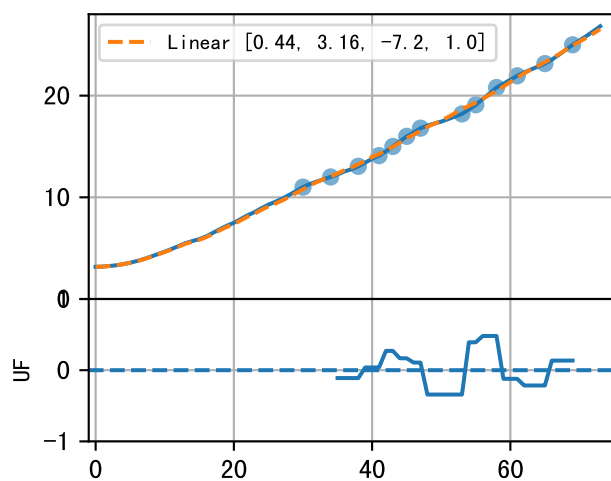
P3-6-019-12



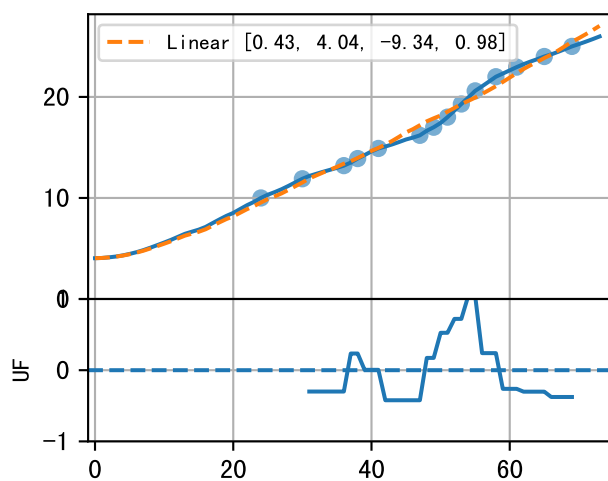
P3-6-024-25



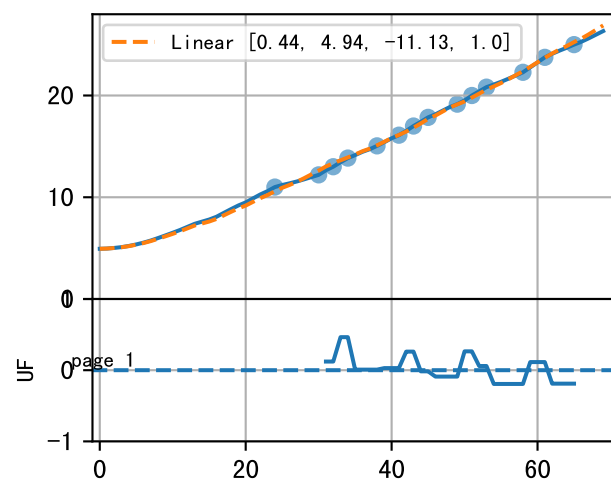
P3-6-028-32



P3-6-033-9

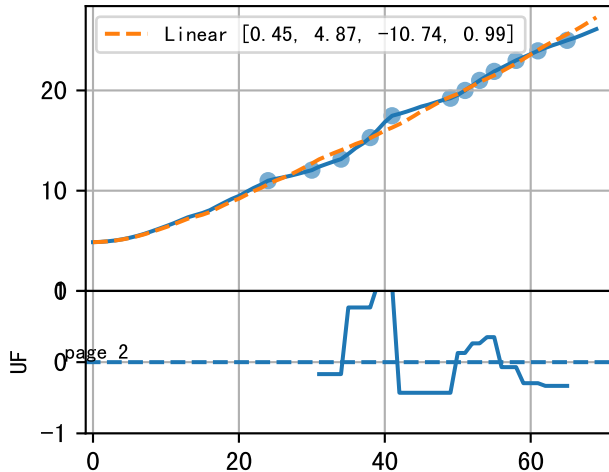


P3-6-038-21



P3-6-042-4

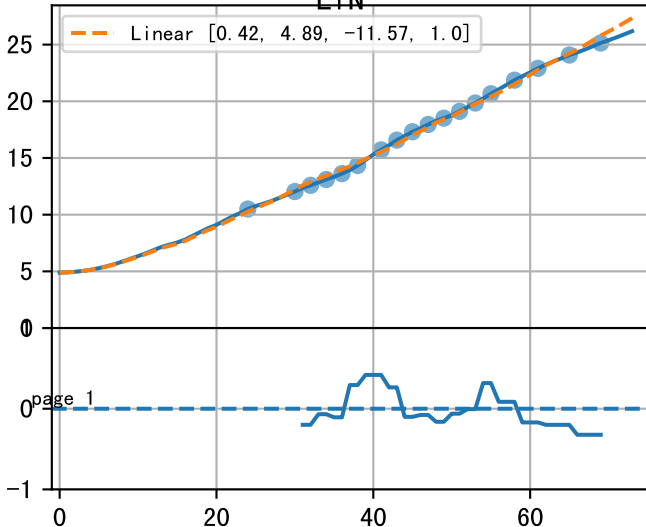
LfN



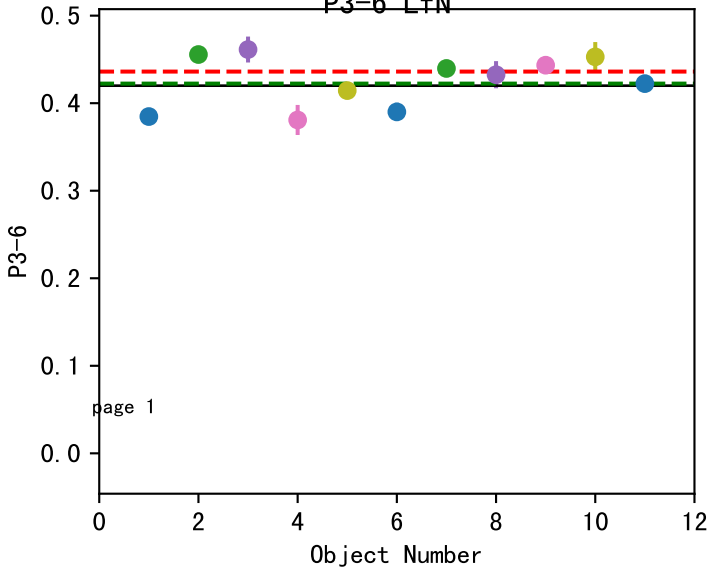
P3-6avg
LfN

Linear [0.42, 4.89, -11.57, 1.0]

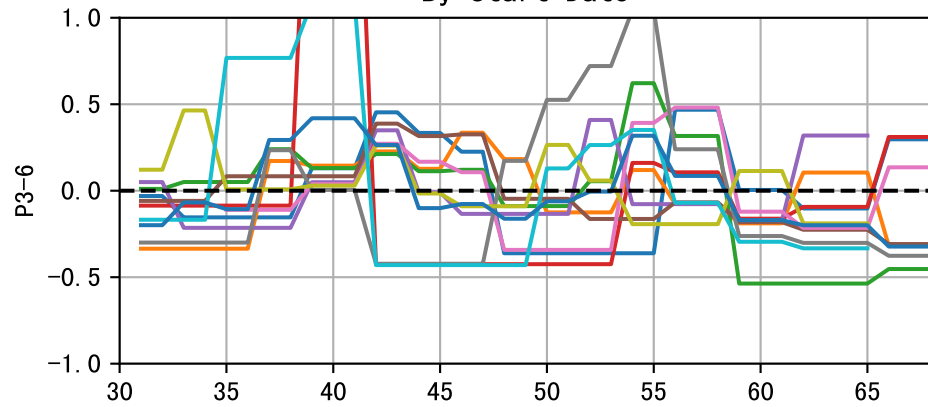
UF
page 1



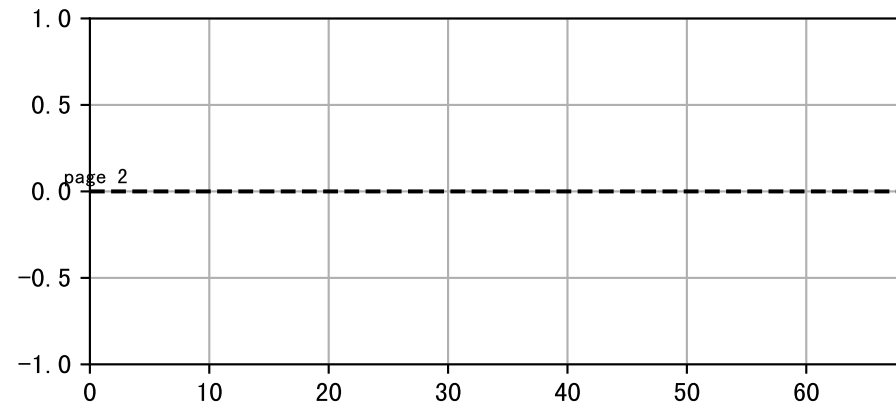
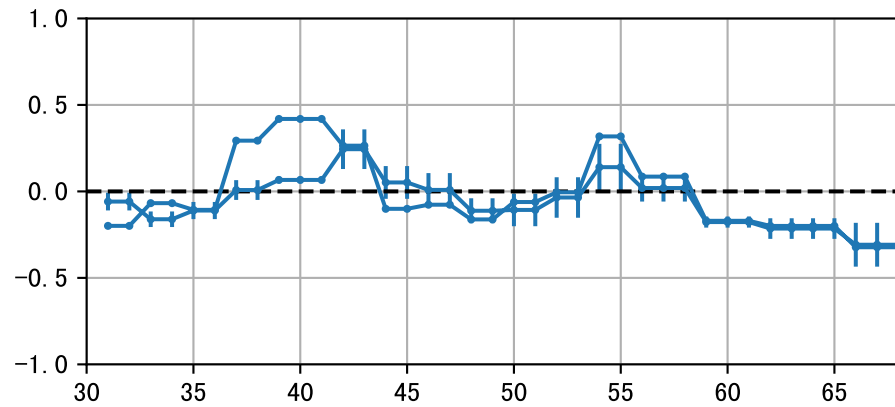
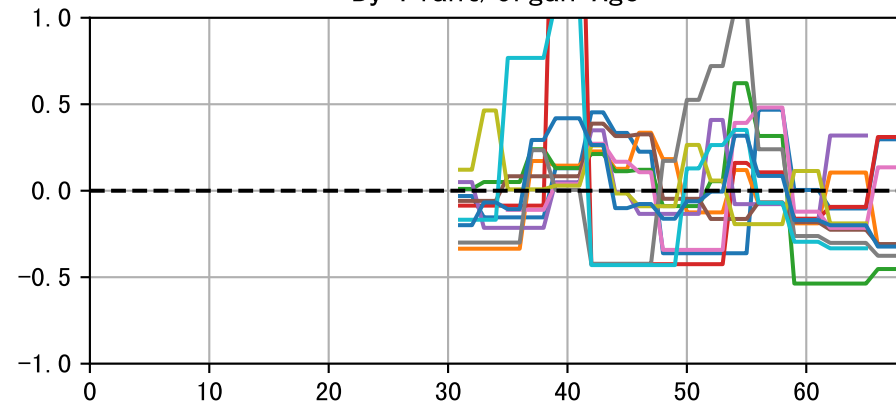
a (Def=0.42 Set=0.42)
 avg1=0.44^{~7%} avg2=0.42^{~5%}
 P3-6 LfN



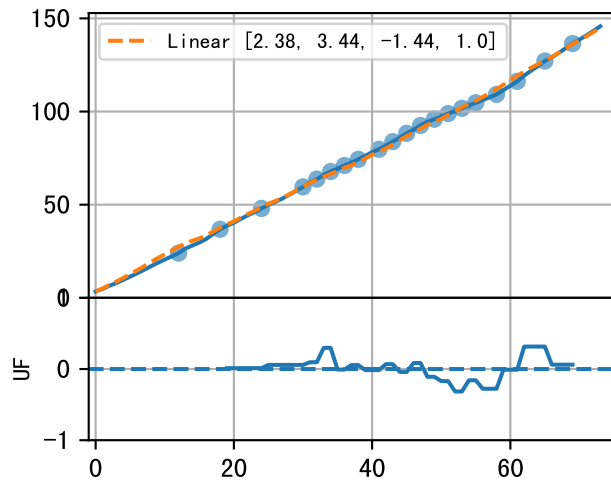
By Start Date



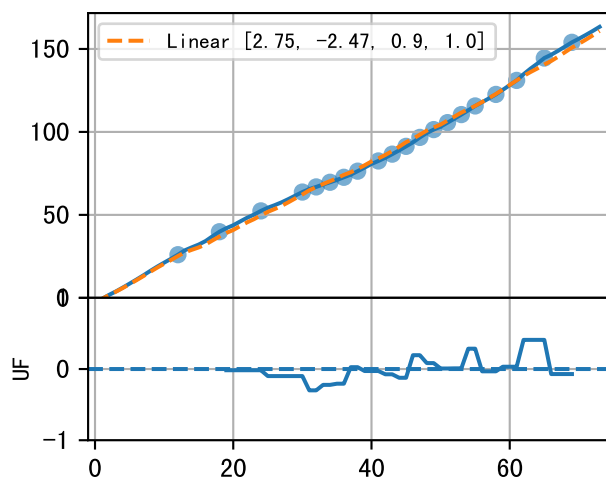
By Plant/Organ Age



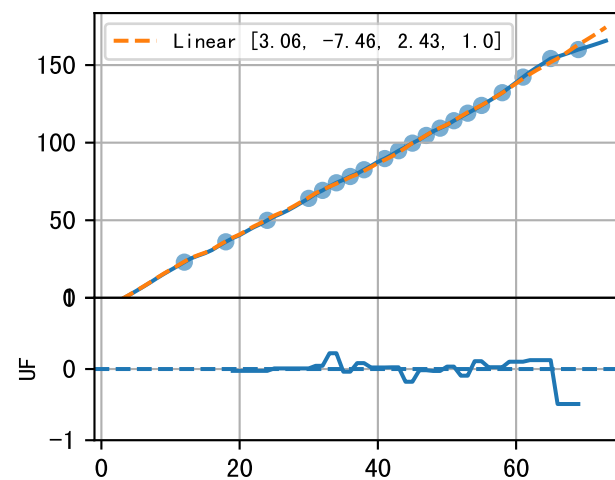
P3-6-003-24



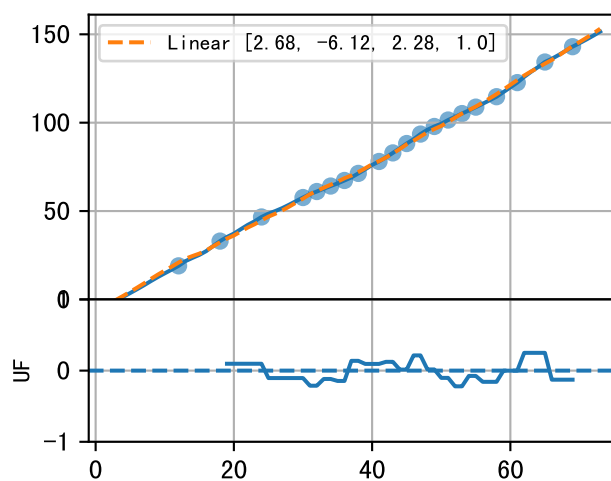
P3-6-007-11



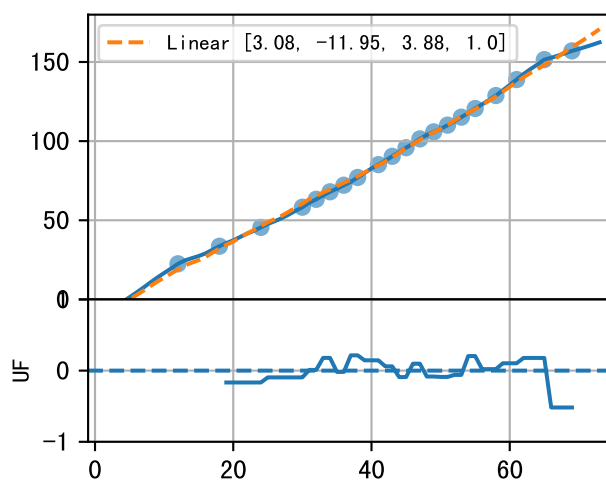
P3-6-011-7



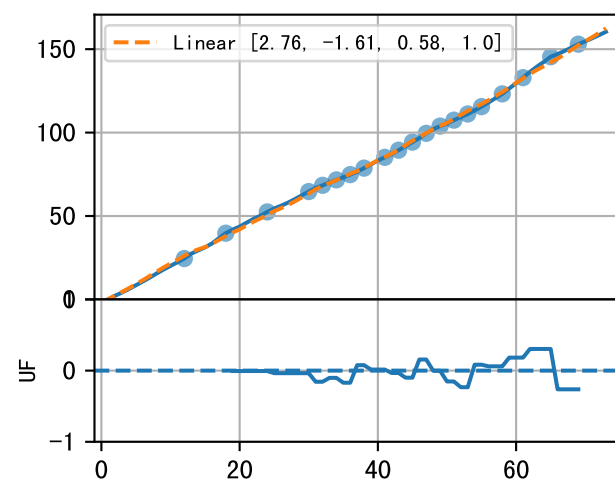
P3-6-015-30



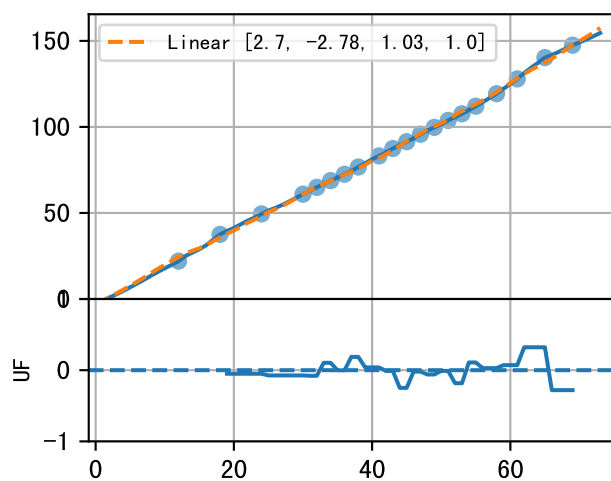
P3-6-019-12



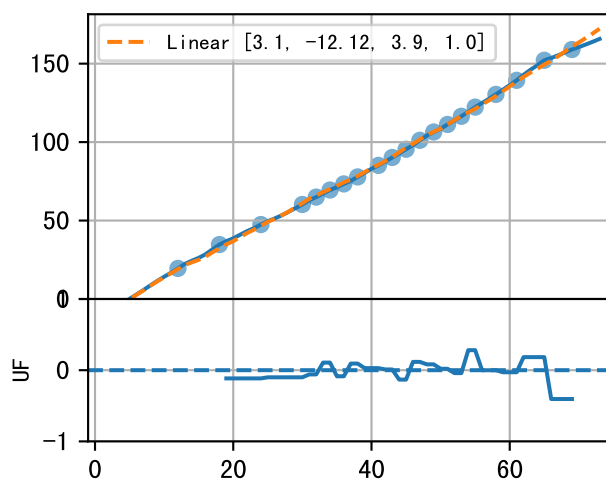
P3-6-024-25



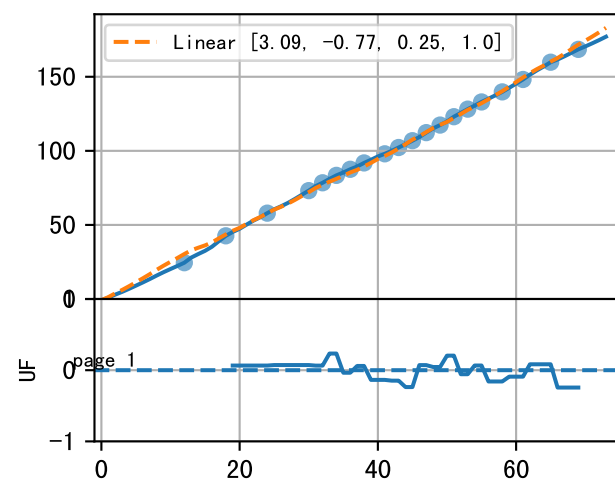
P3-6-028-32



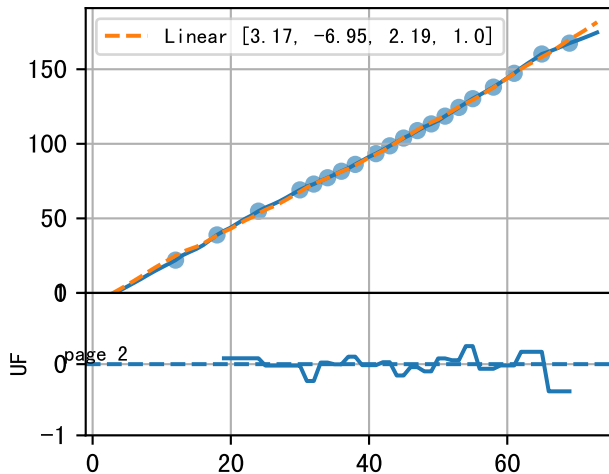
P3-6-033-9



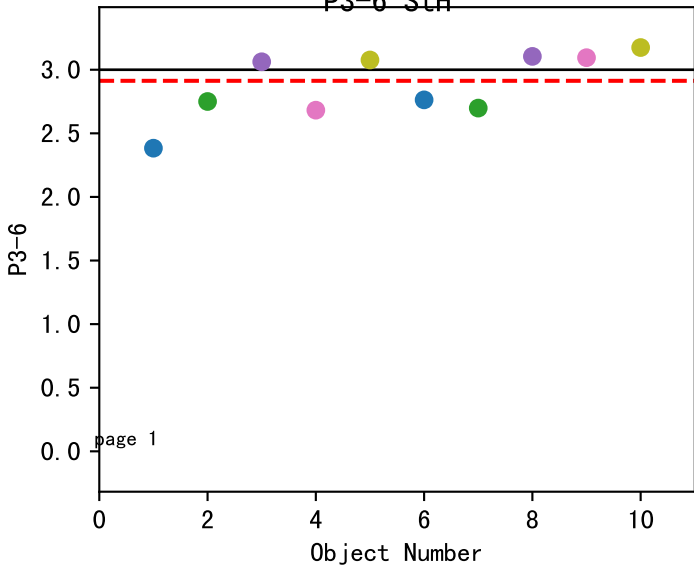
P3-6-038-21



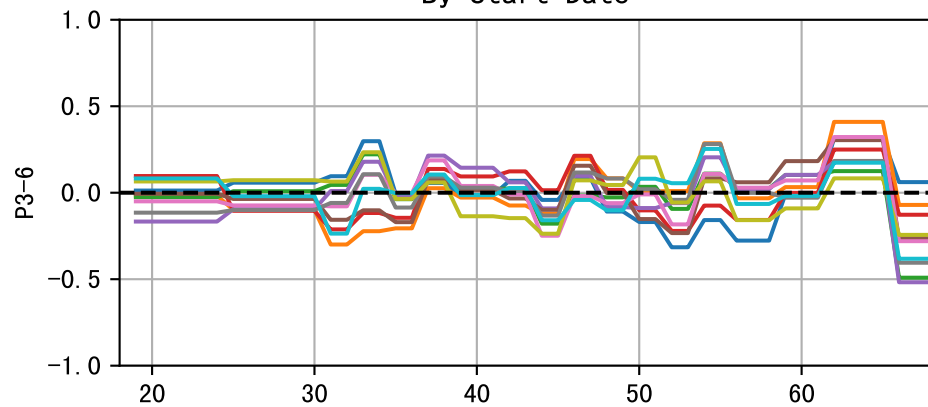
P3-6-042-4



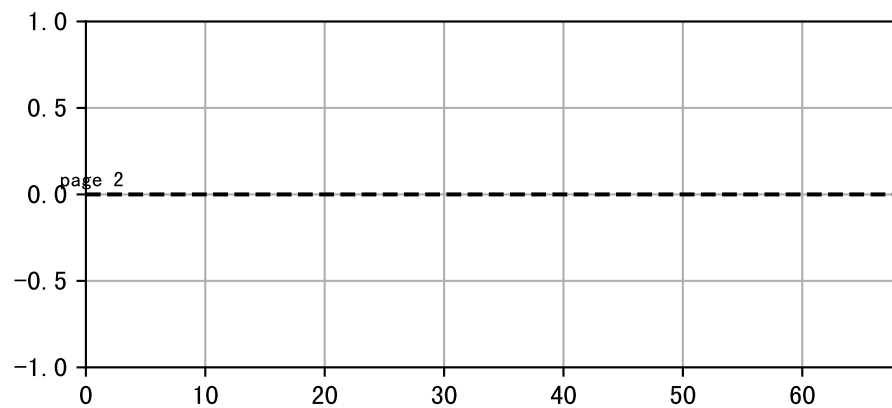
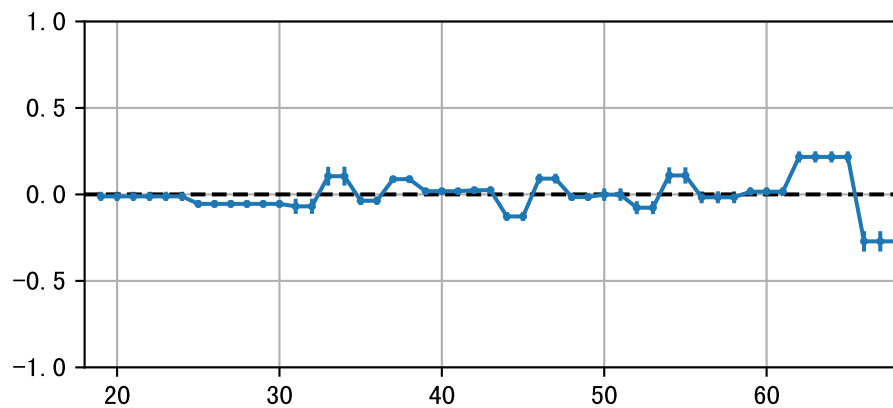
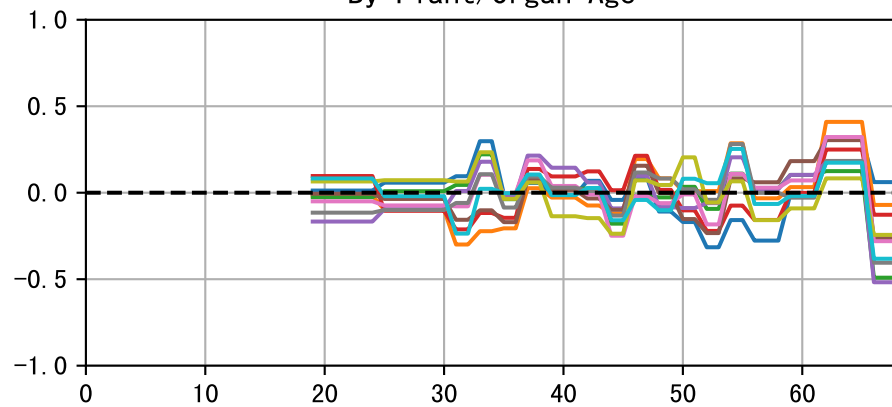
a (Def=3 Set=2.91)
avg1=2.91~9% avg2=na
P3-6 StH



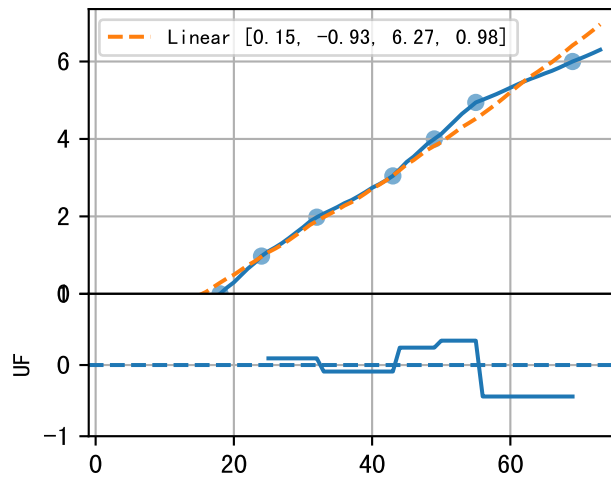
By Start Date



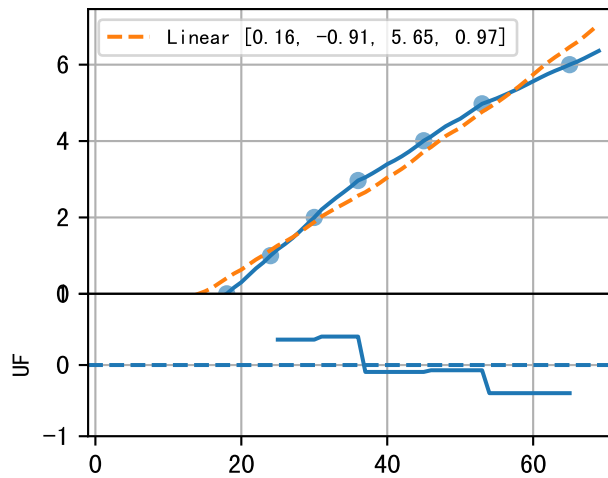
By Plant/Organ Age



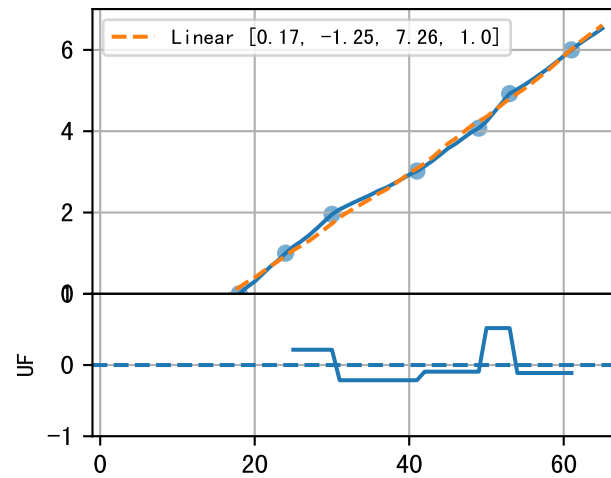
P3-6-003-24



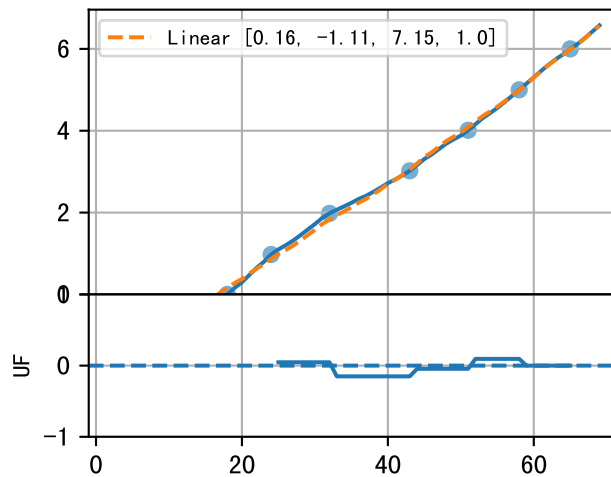
P3-6-007-11



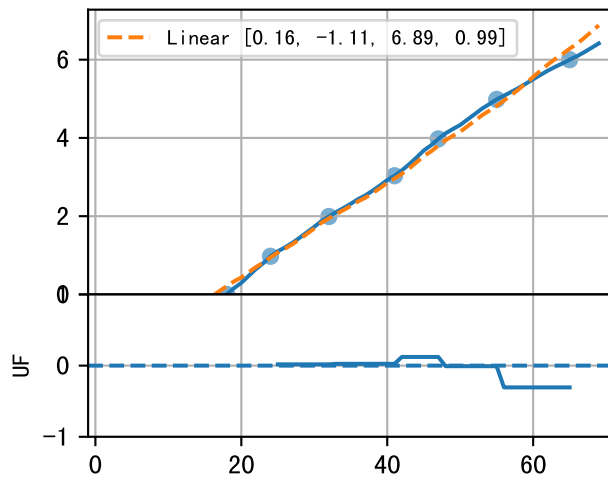
P3-6-011-7



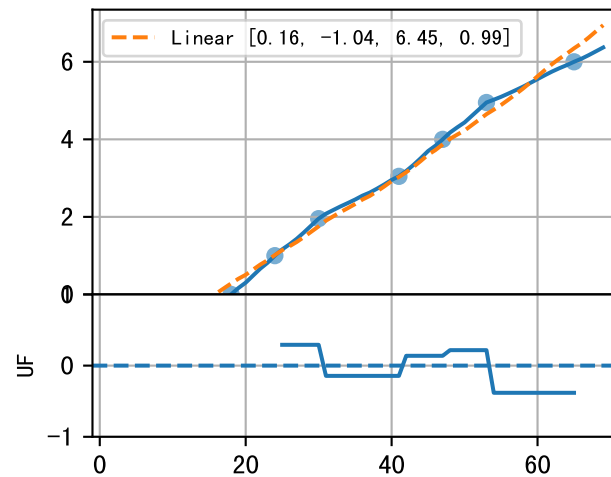
P3-6-015-30



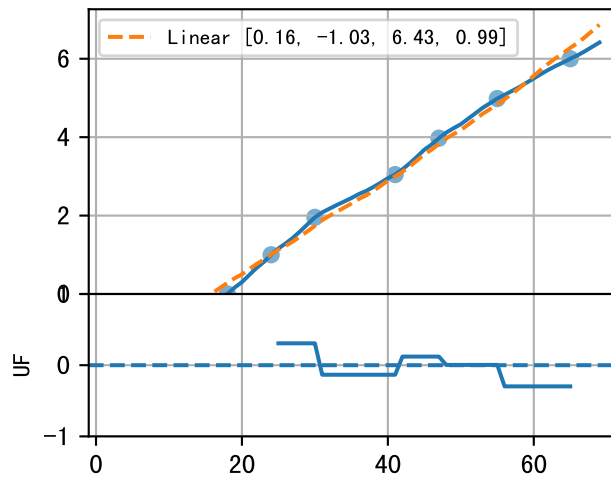
P3-6-019-12



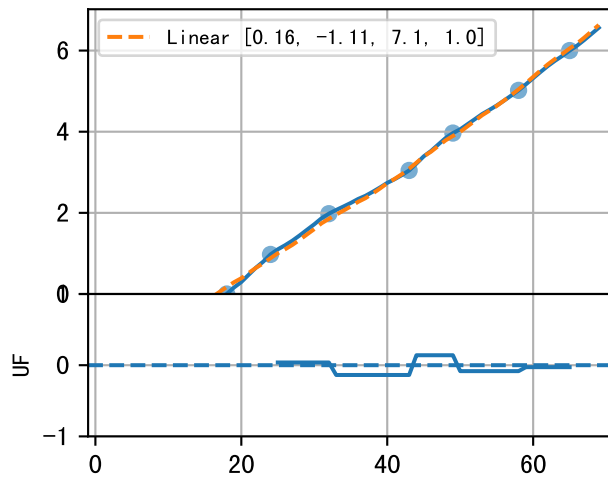
P3-6-024-25



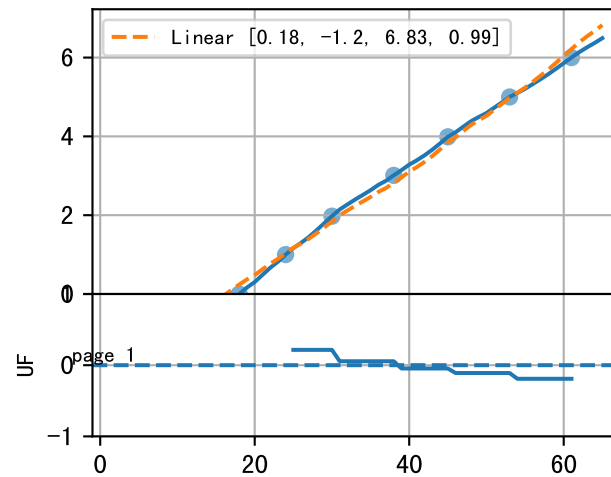
P3-6-028-32



P3-6-033-9

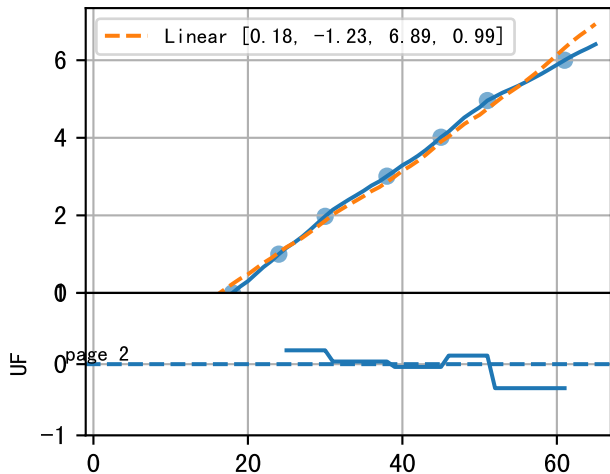


P3-6-038-21



P3-6-042-4

TsN



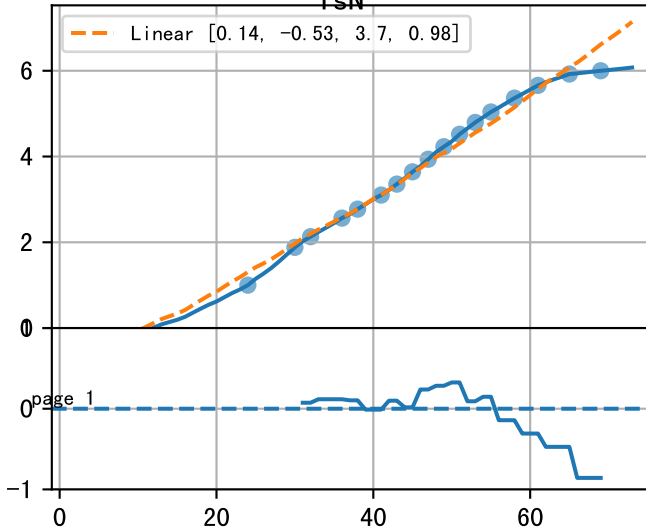
UF

page 2

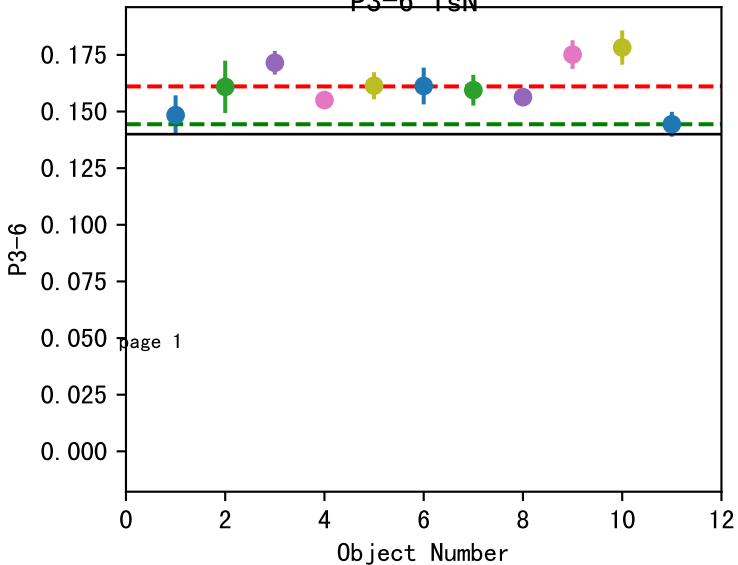
P3-6avg
T_{SN}

Linear [0.14, -0.53, 3.7, 0.98]

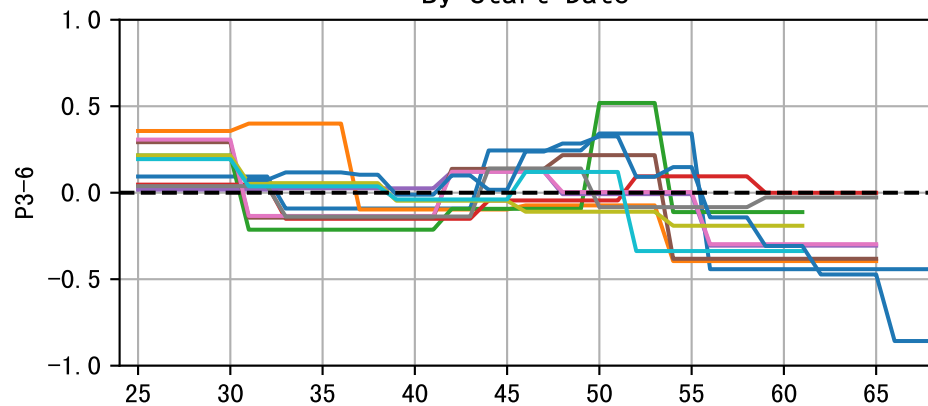
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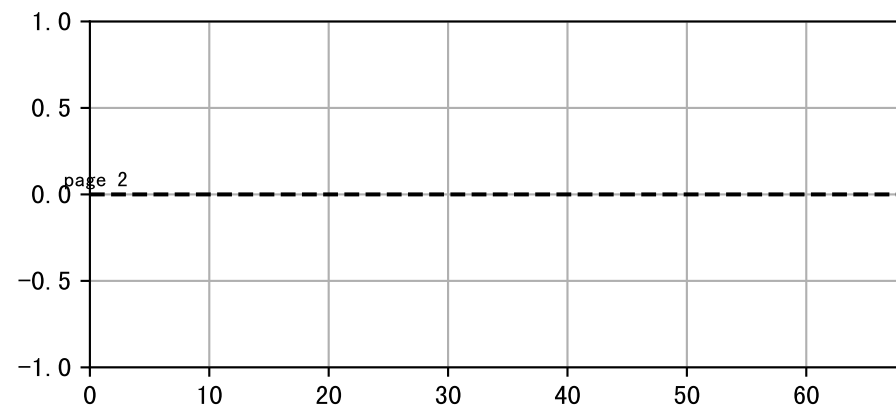
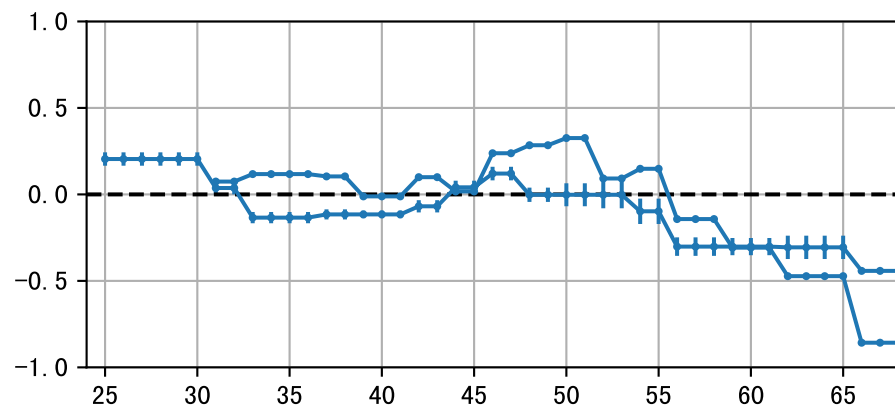
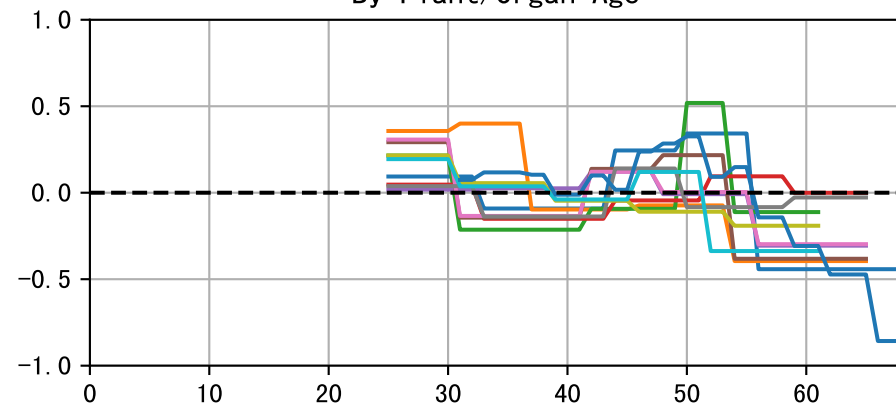
a (Def=0.14 Set=0.14)
 avg1=0.16 $\pm$ 6% avg2=0.14 $\pm$ 11%
 P3-6 TSN



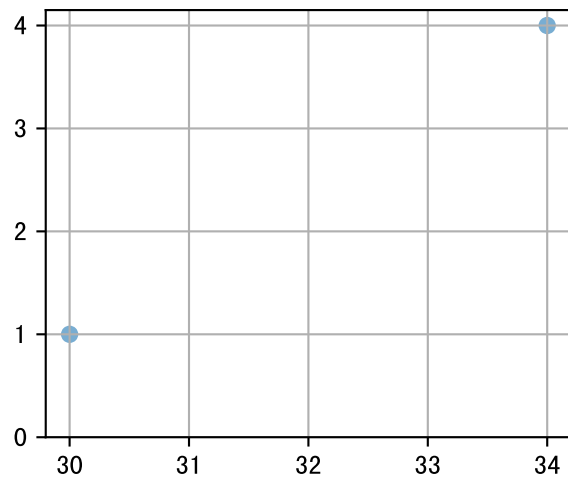
By Start Date



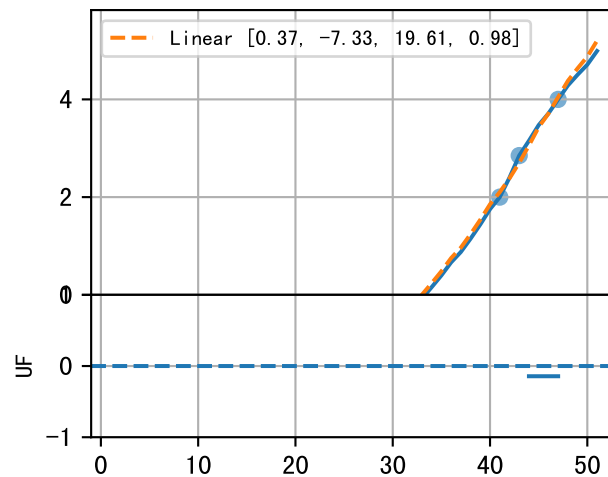
By Plant/Organ Age



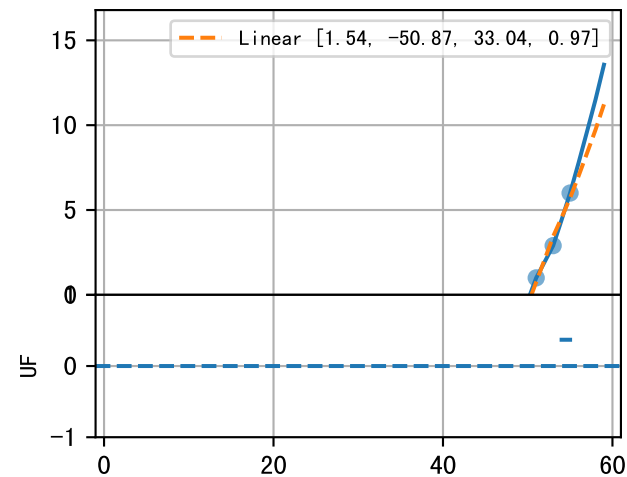
P3-6-003-24T1 (fit failed)



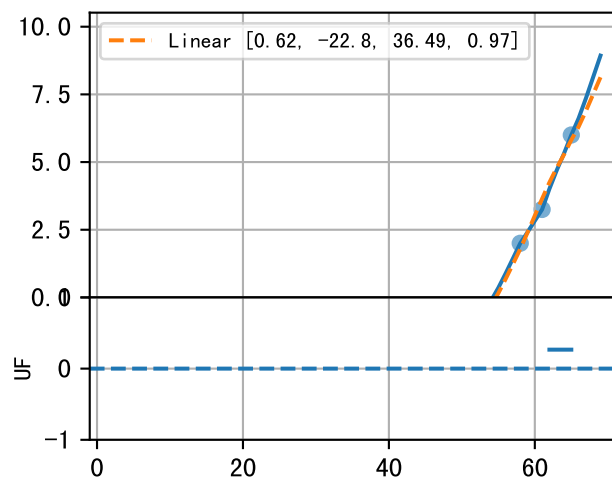
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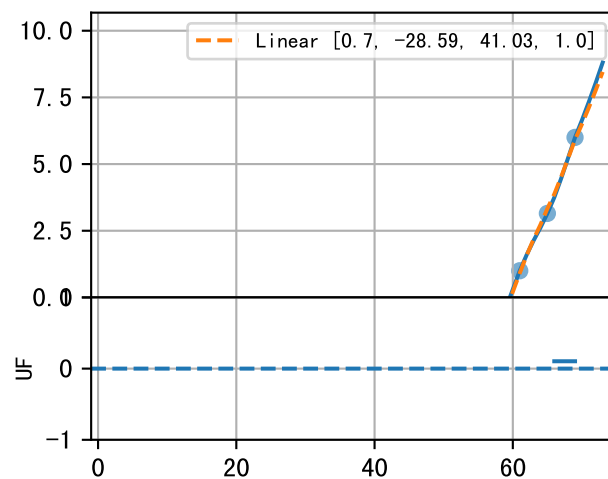
P3-6-003-24T3



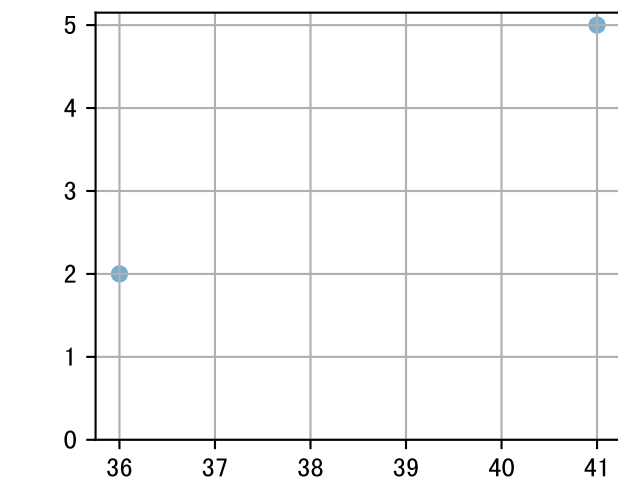
P3-6-003-24T4



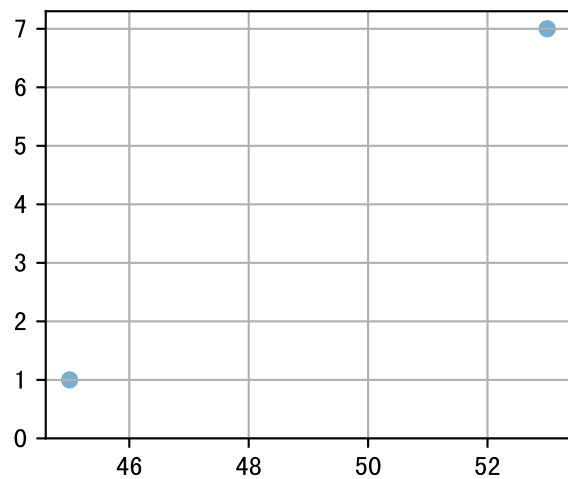
P3-6-003-24T5



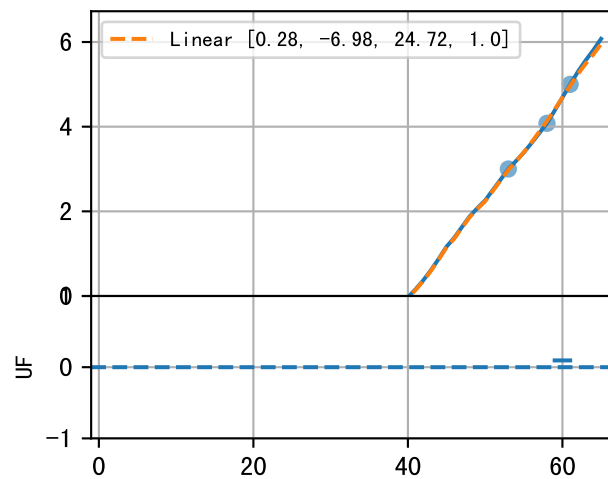
P3-6-007-11T2 (fit failed)



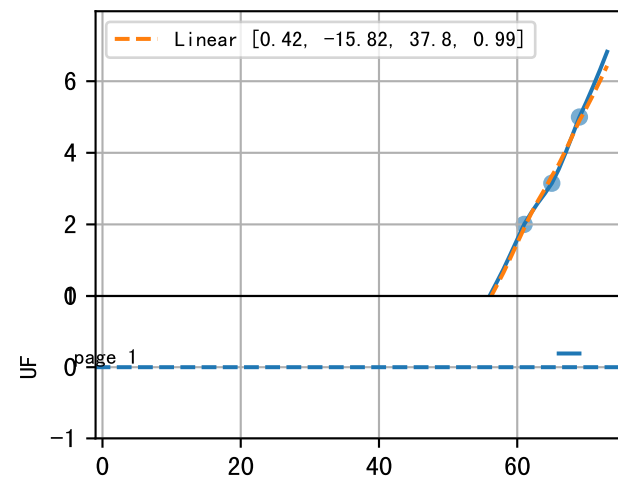
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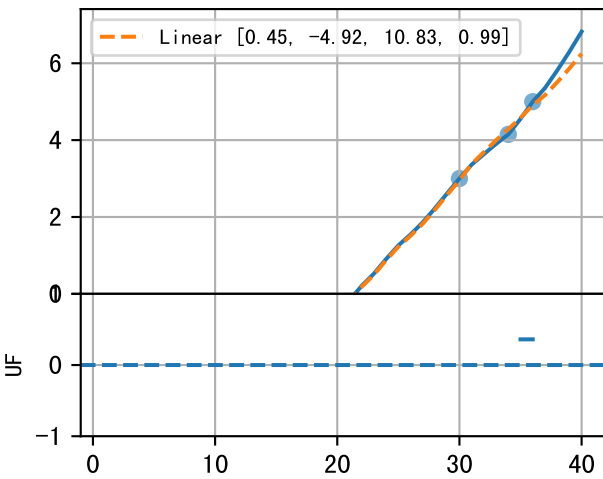
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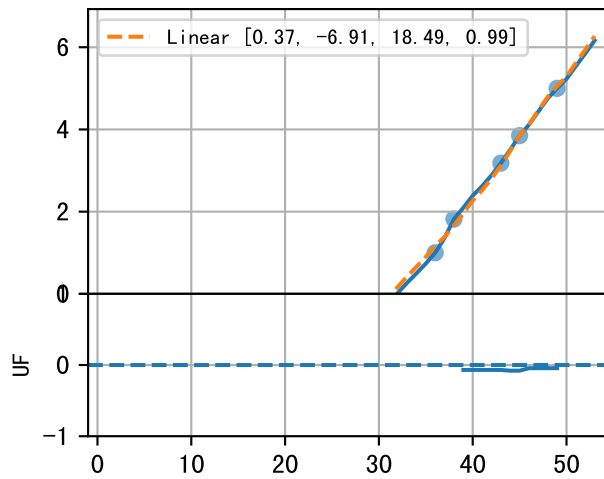
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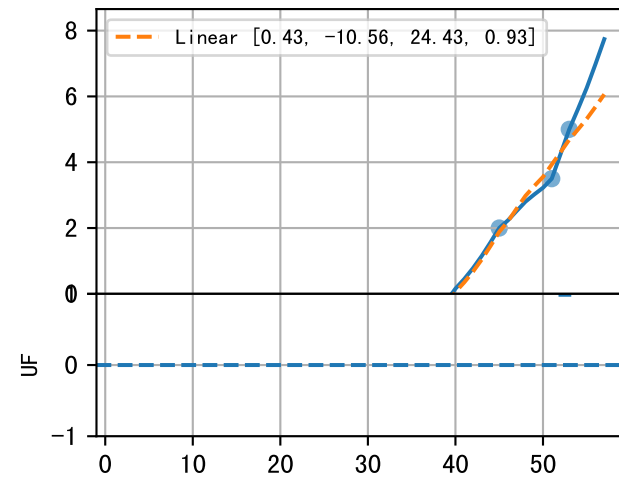
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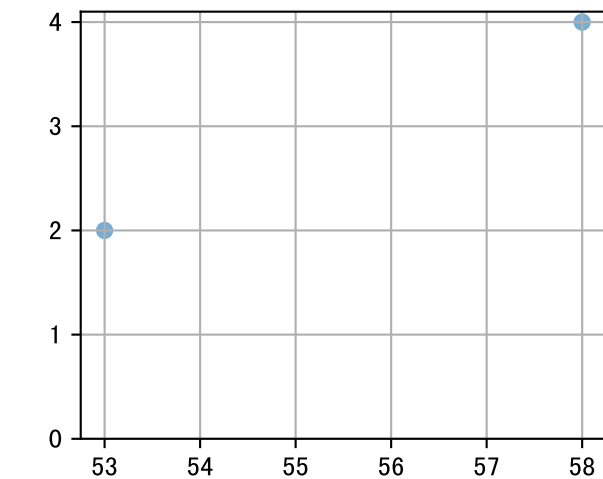
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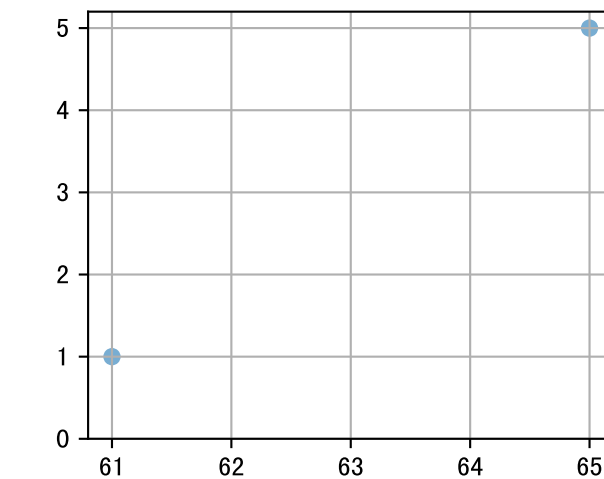
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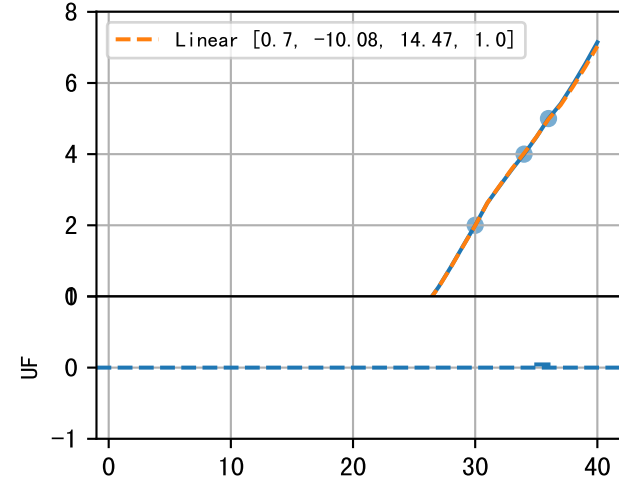
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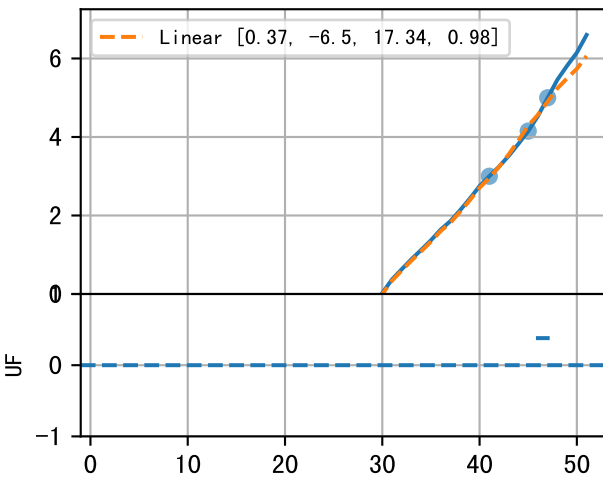
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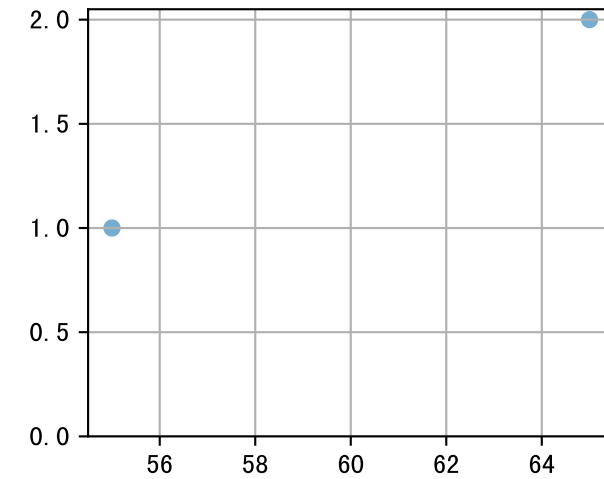
P3-6-015-30T1



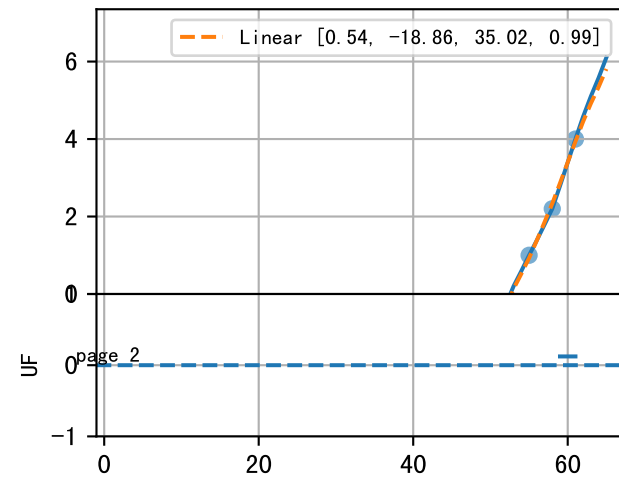
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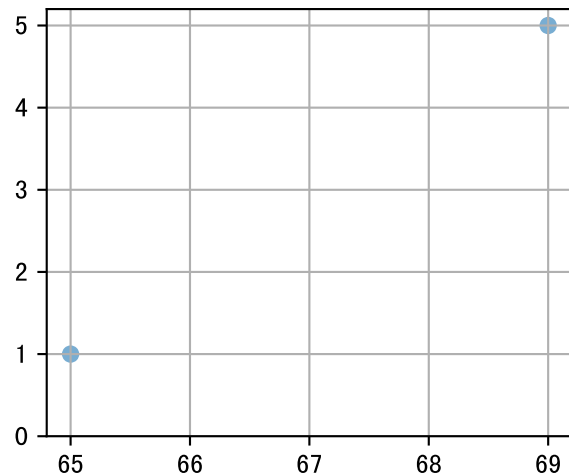
P3-6-015-30T3 (fit failed)



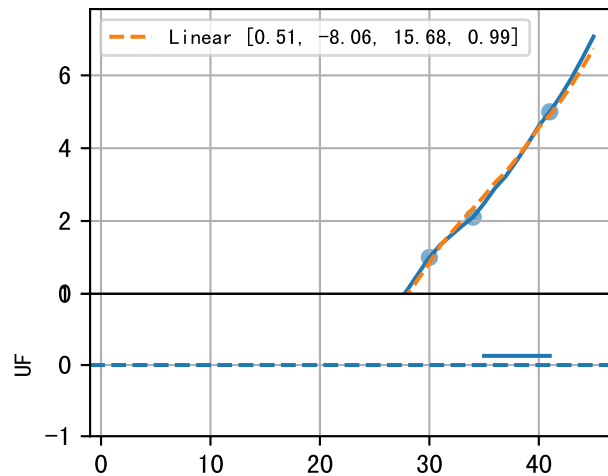
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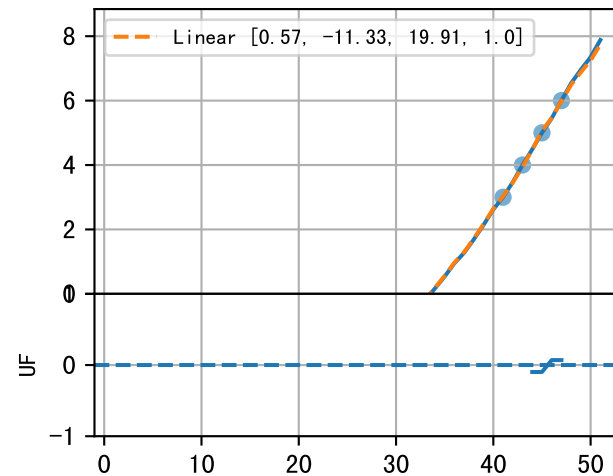
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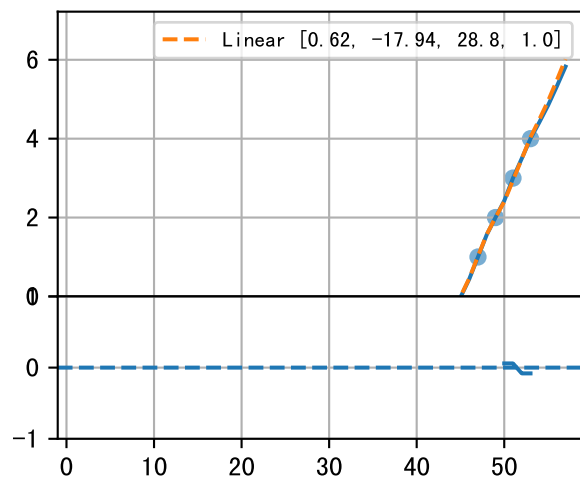
P3-6-019-12T1



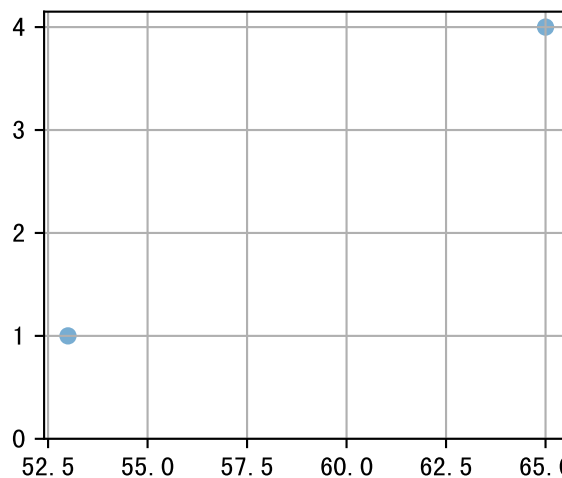
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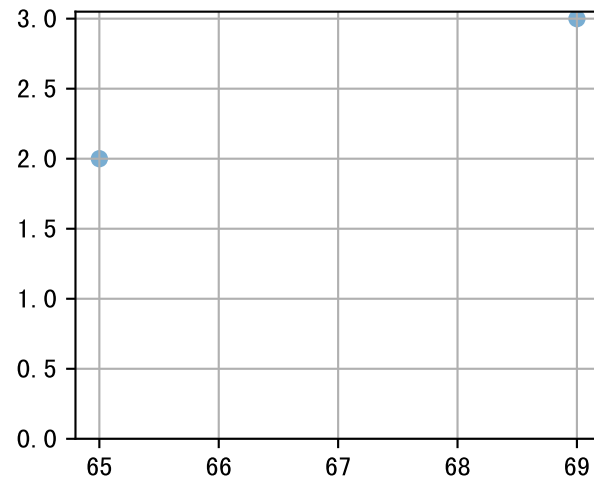
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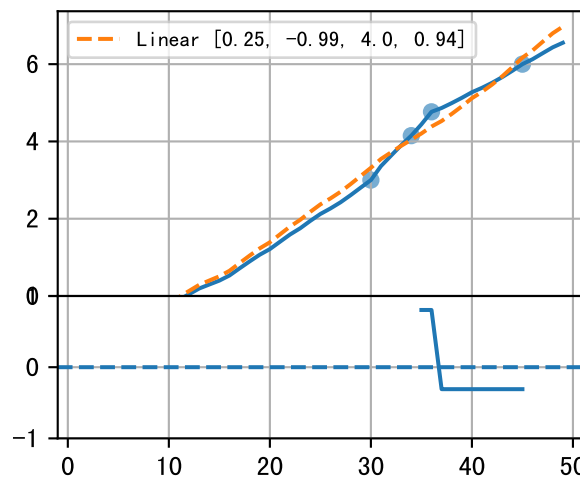
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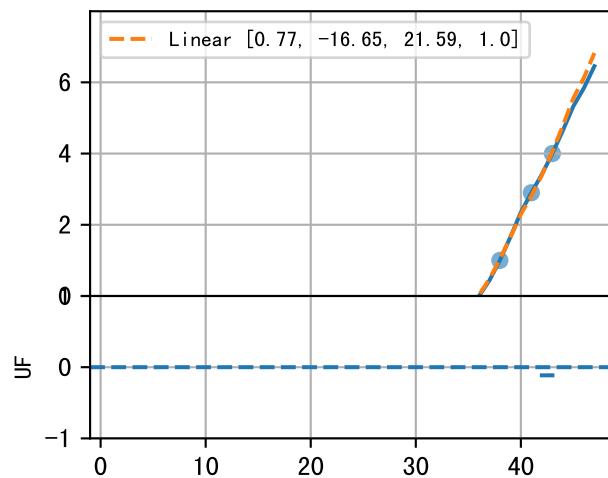
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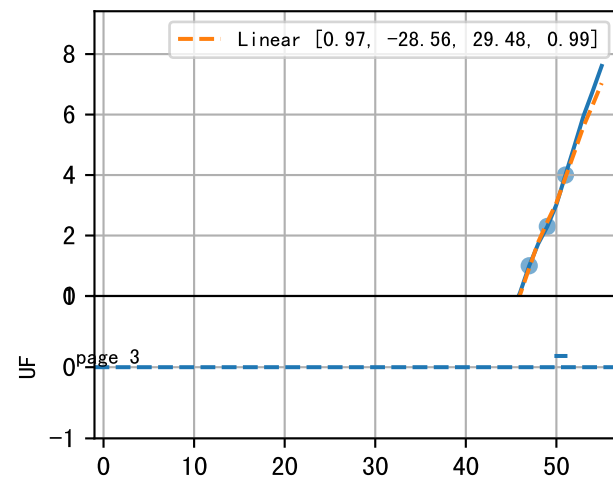
P3-6-024-25T1



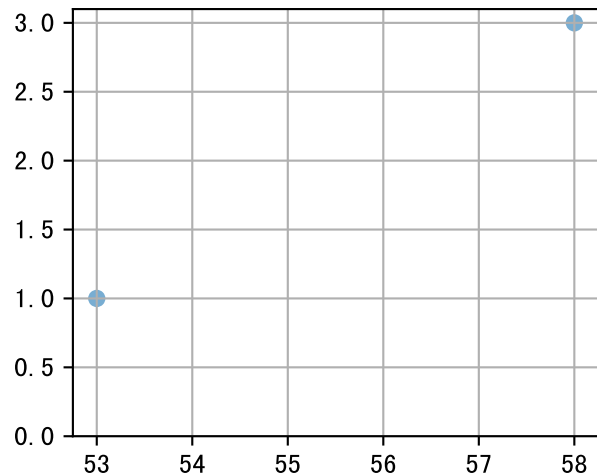
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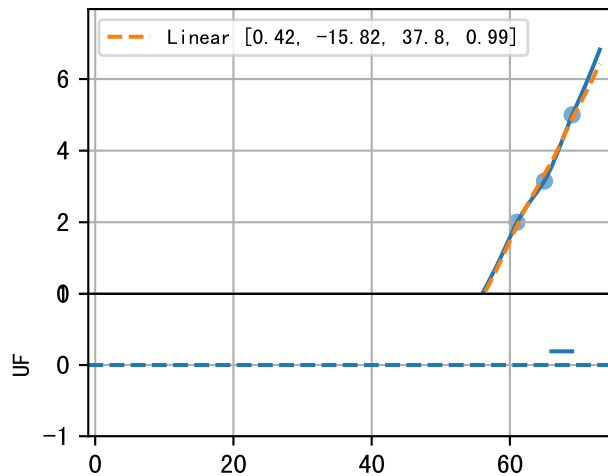
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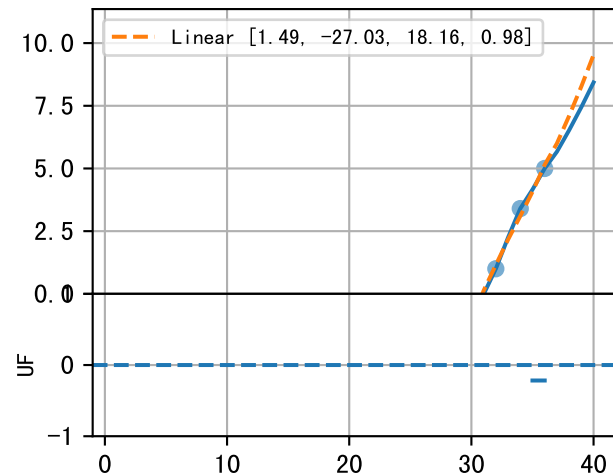
P3-6-024-25T4 (fit failed)



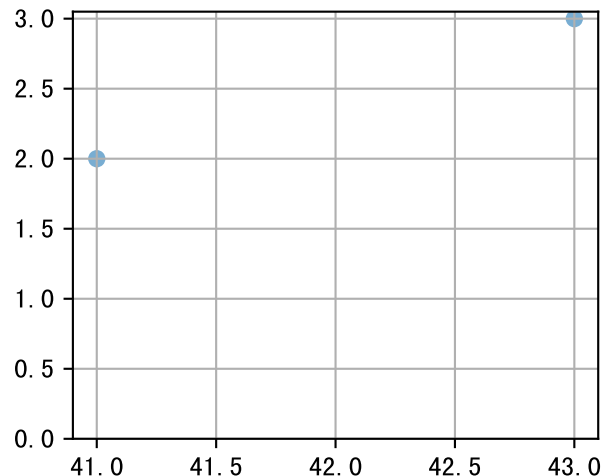
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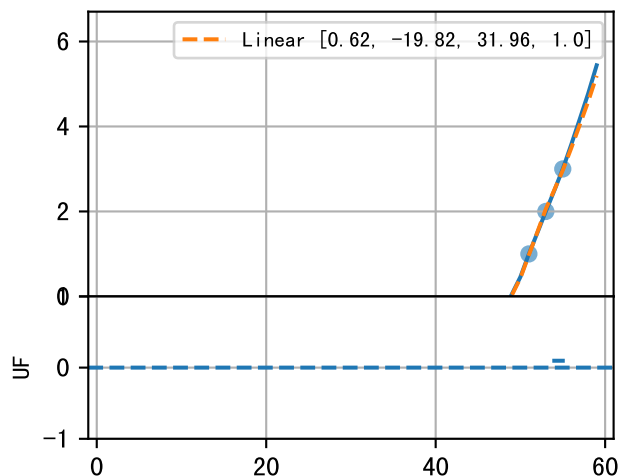
P3-6-028-32T1



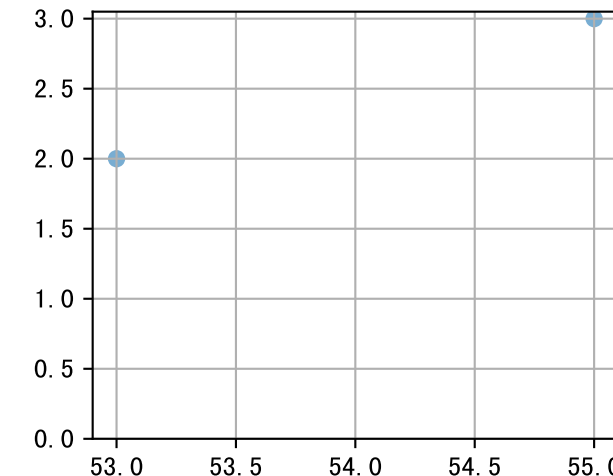
P3-6-028-32T2 (fit failed)



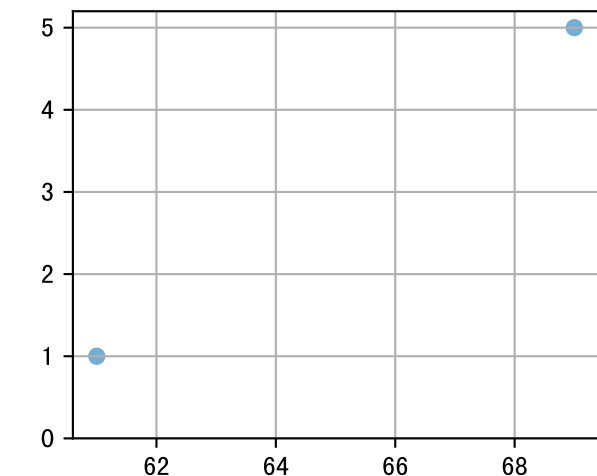
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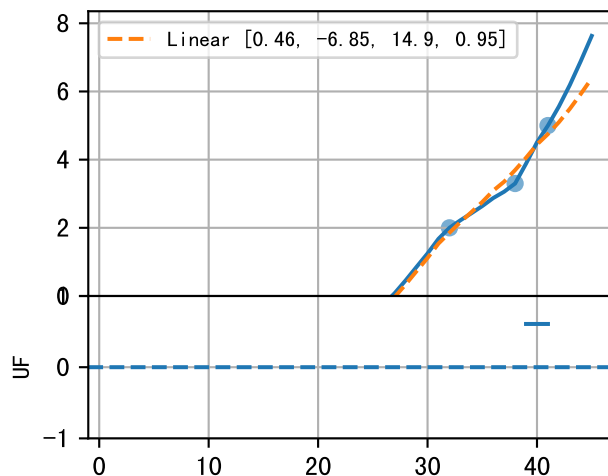
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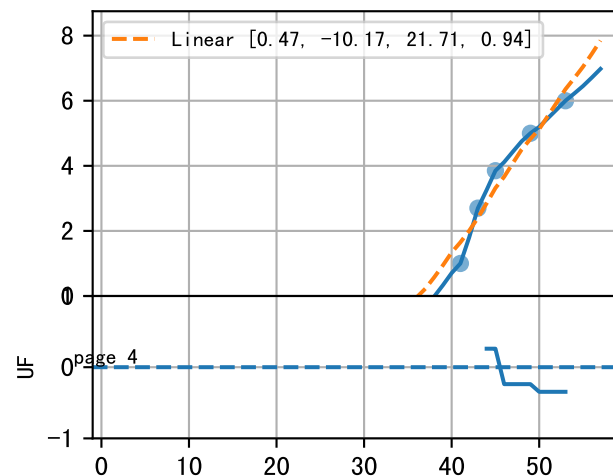
P3-6-028-32T5 (fit failed)



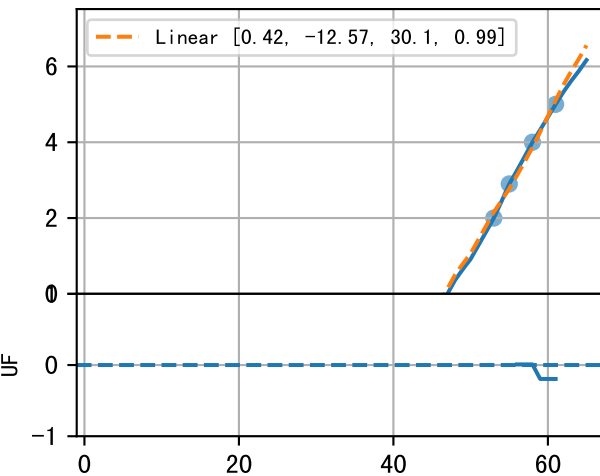
P3-6-033-9T1



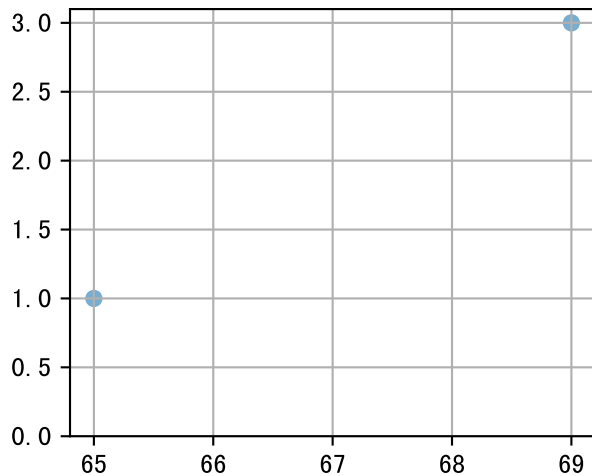
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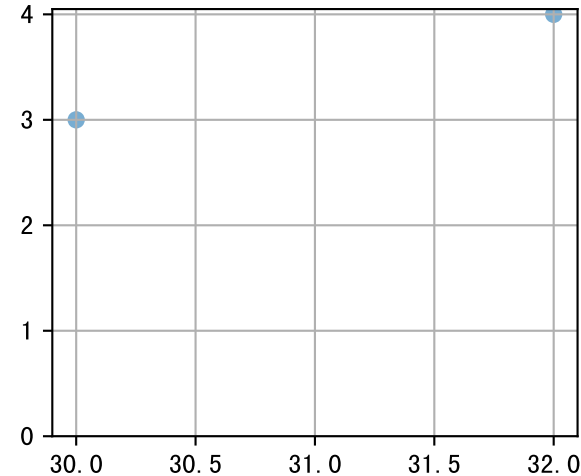
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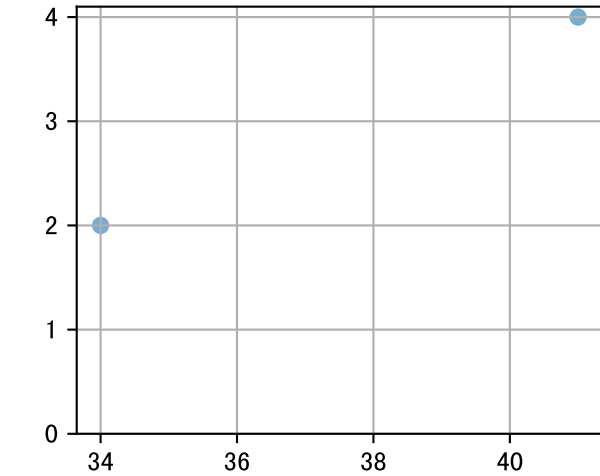
P3-6-033-9T5 (fit failed)



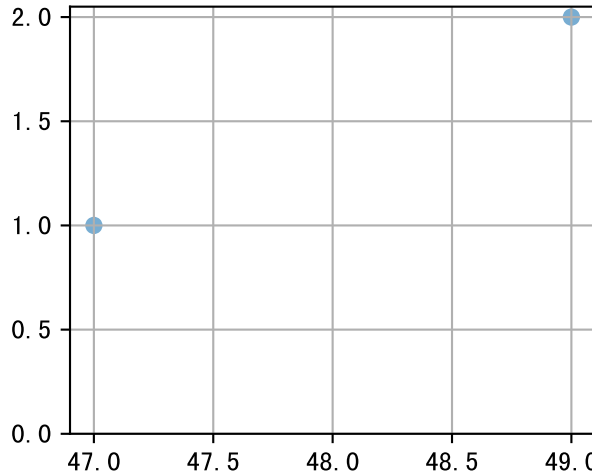
P3-6-038-21T1 (fit failed)



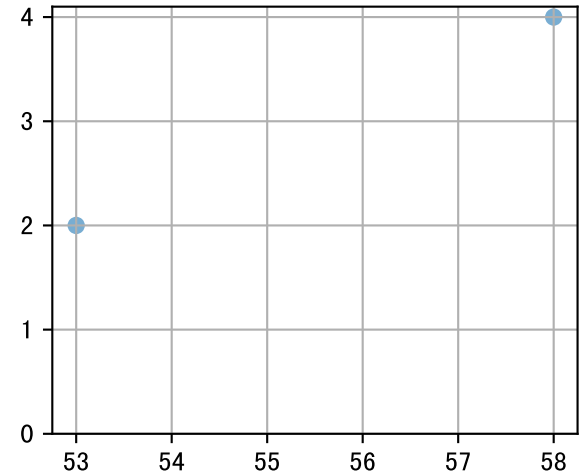
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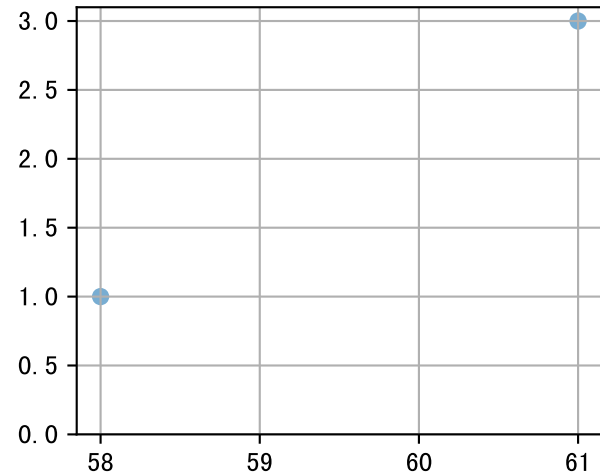
P3-6-038-21T3 (fit failed)



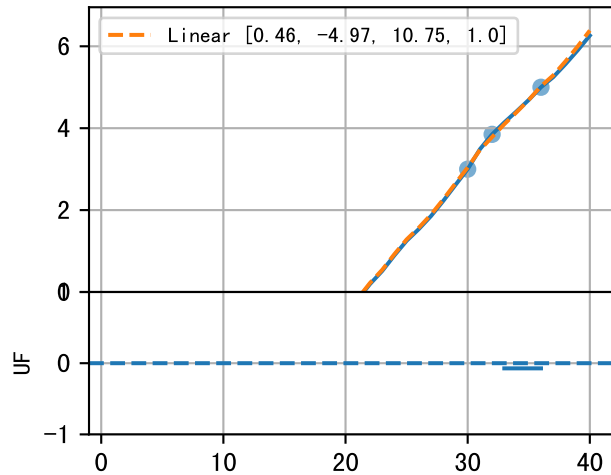
P3-6-038-21T4 (fit failed)



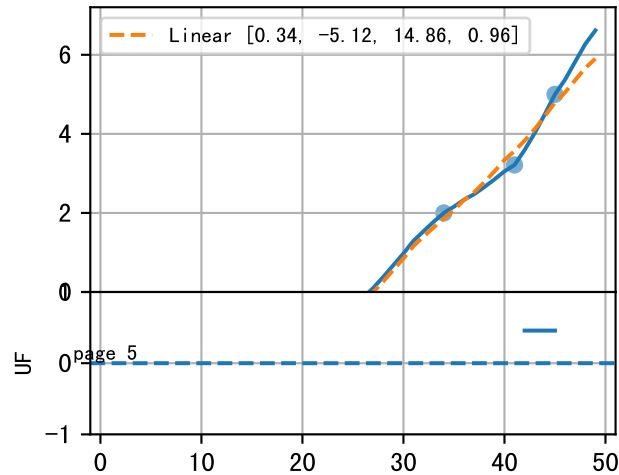
P3-6-038-21T5 (fit failed)



P3-6-042-4T1



P3-6-042-4T2

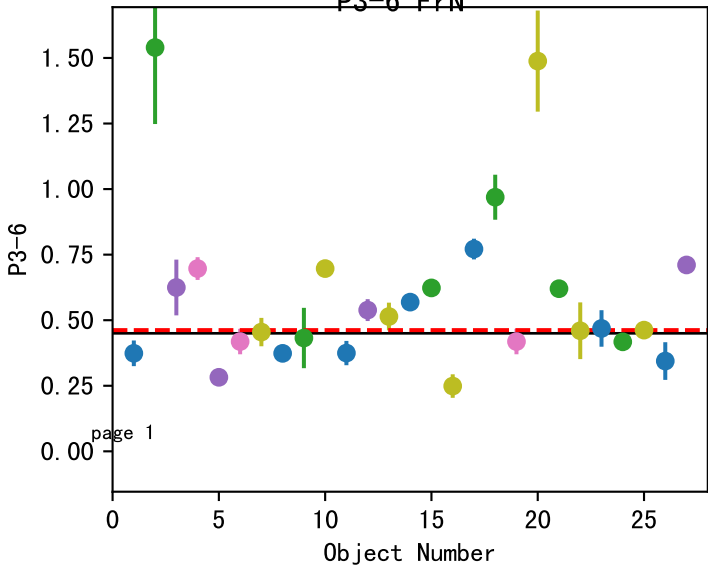




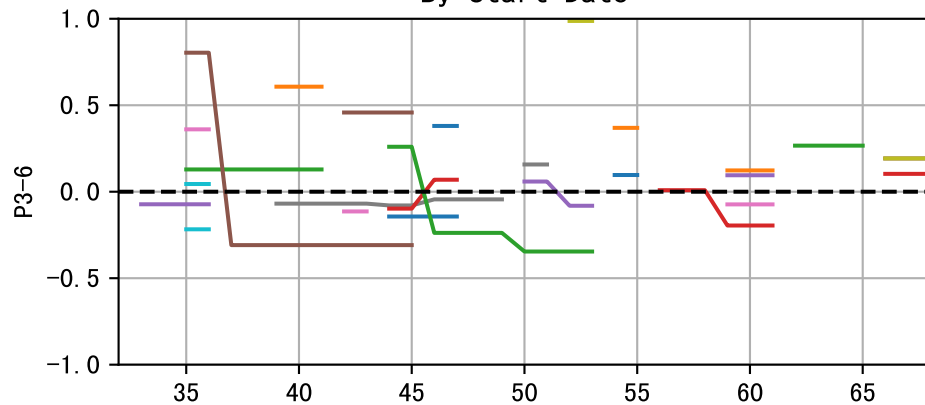
a (Def=0.45 Set=0.46)

avg1=0.46^{~36%} avg2=na

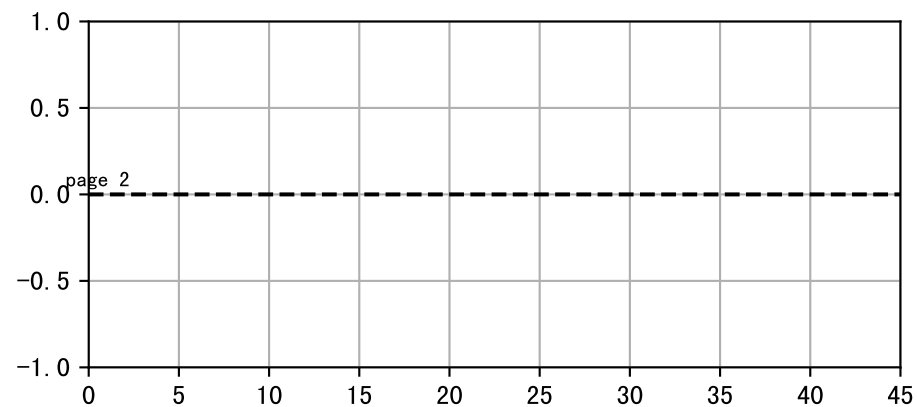
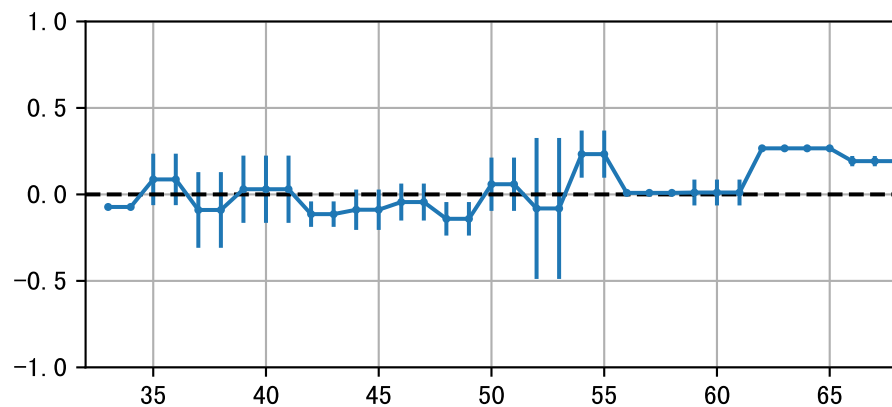
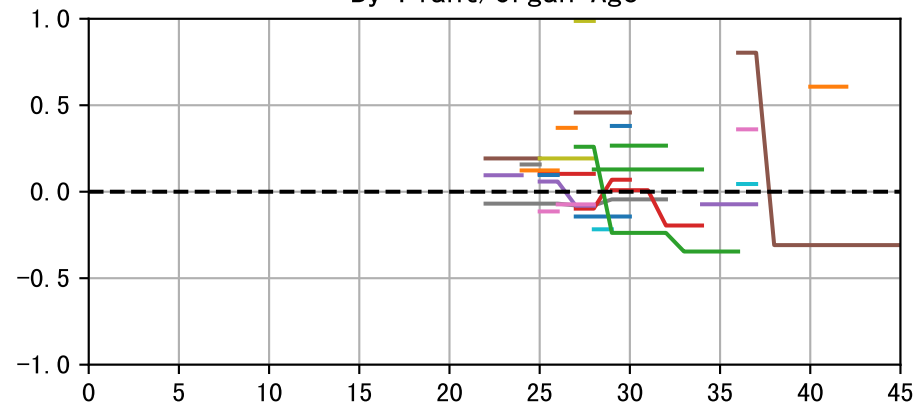
P3-6 FrN

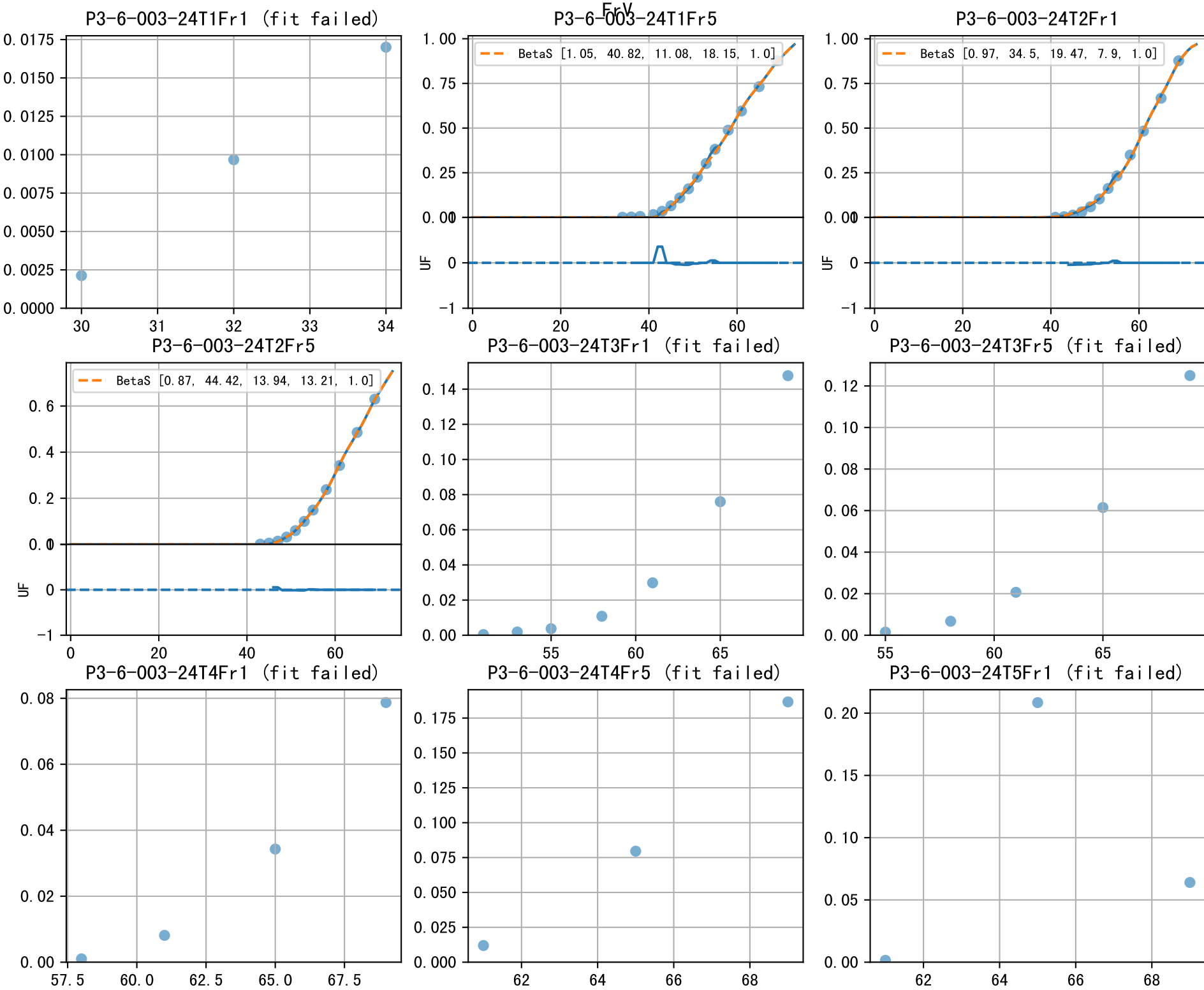


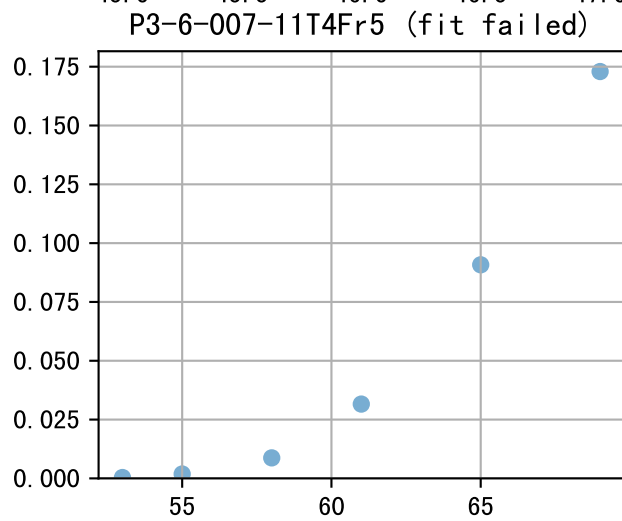
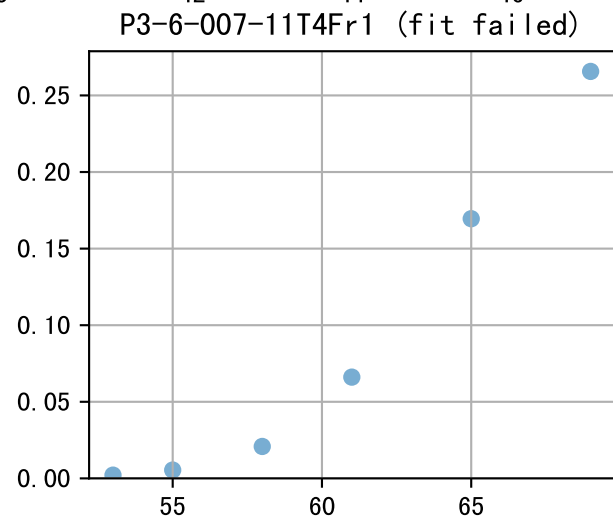
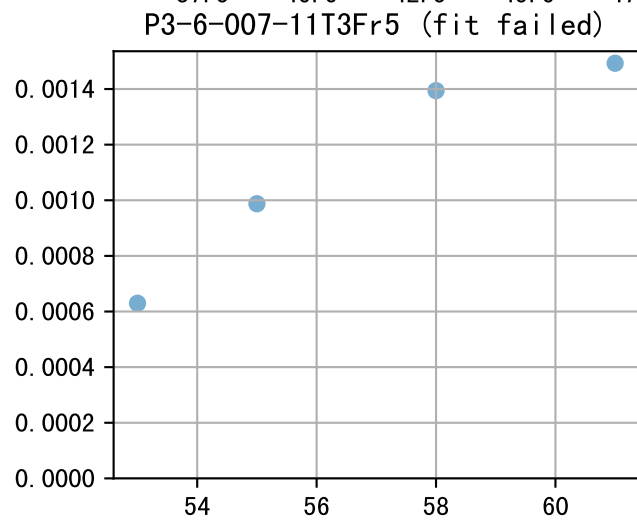
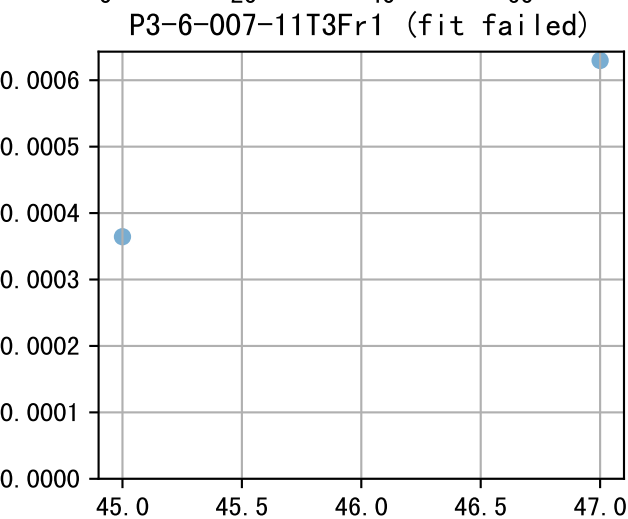
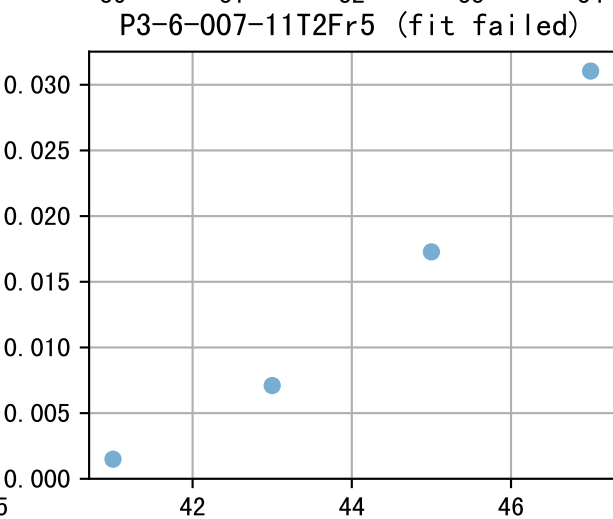
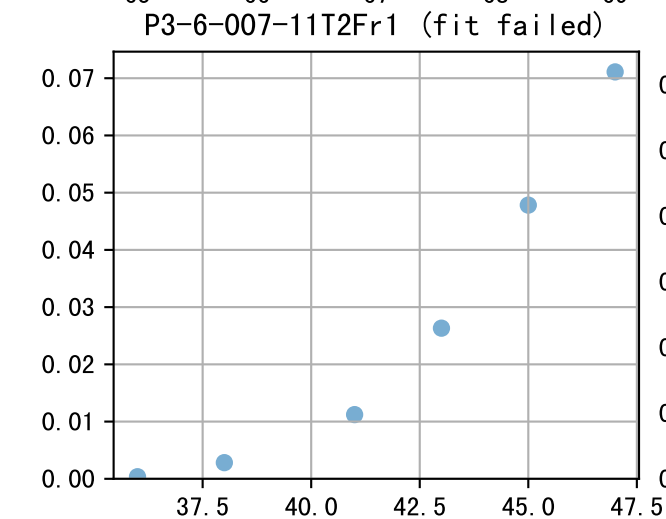
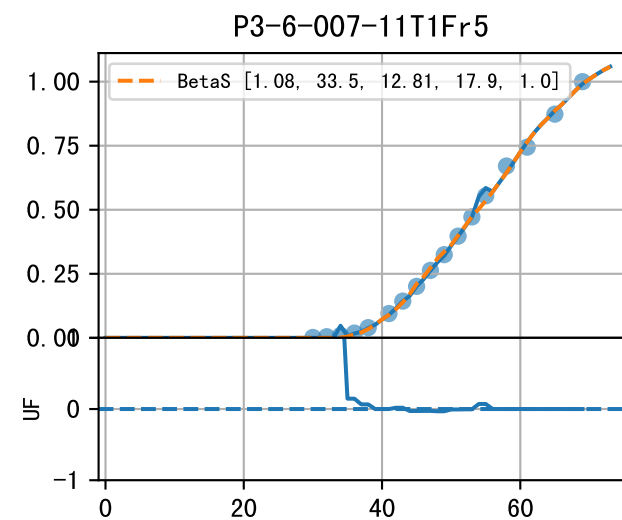
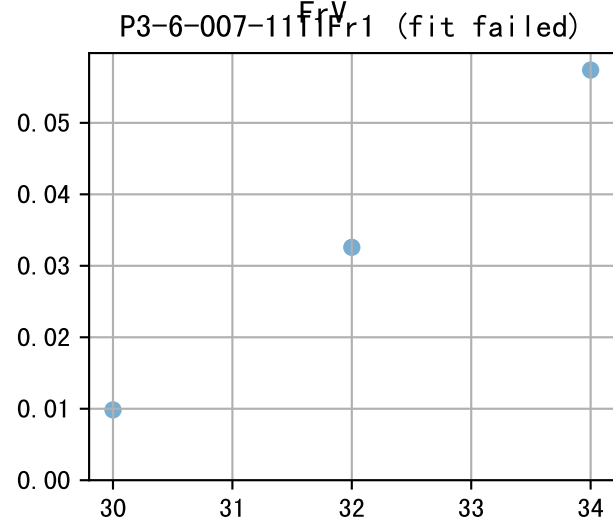
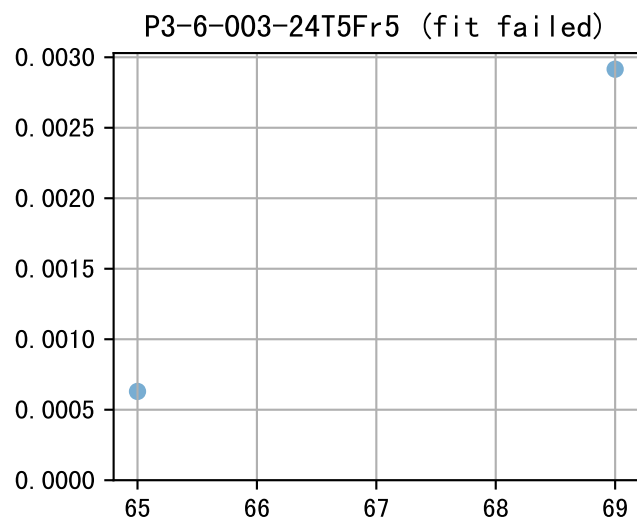
By Start Date

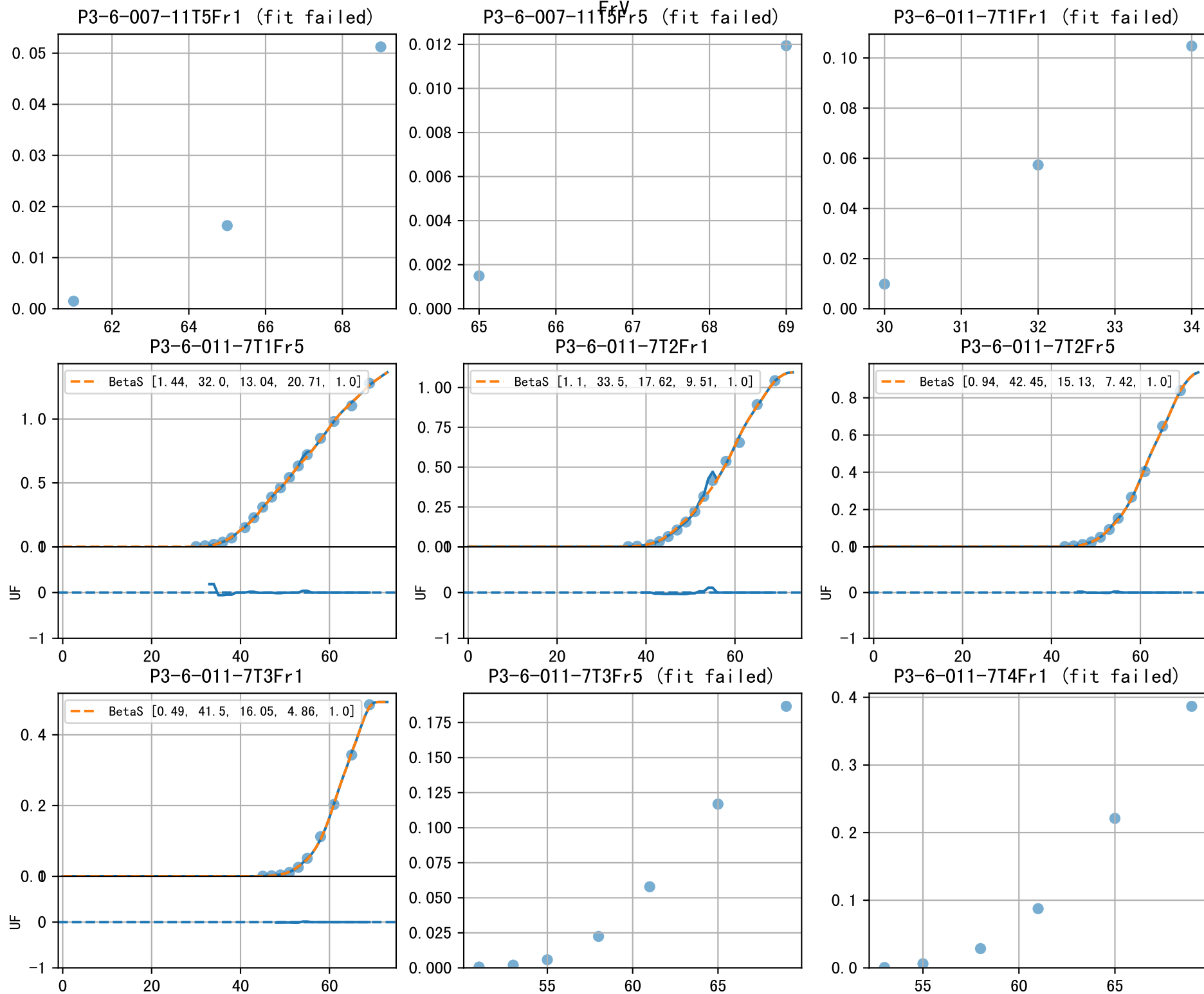


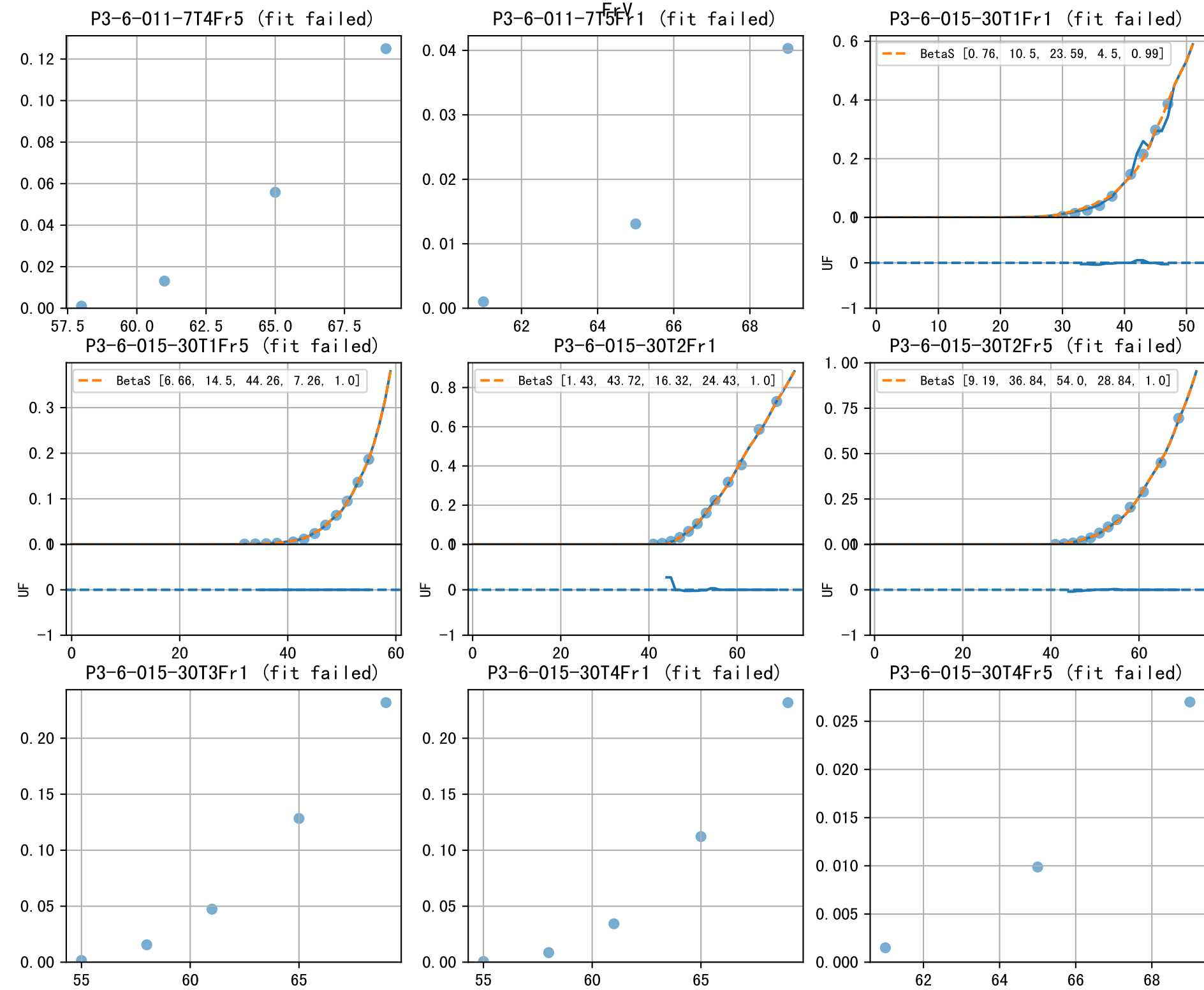
By Plant/Organ Age



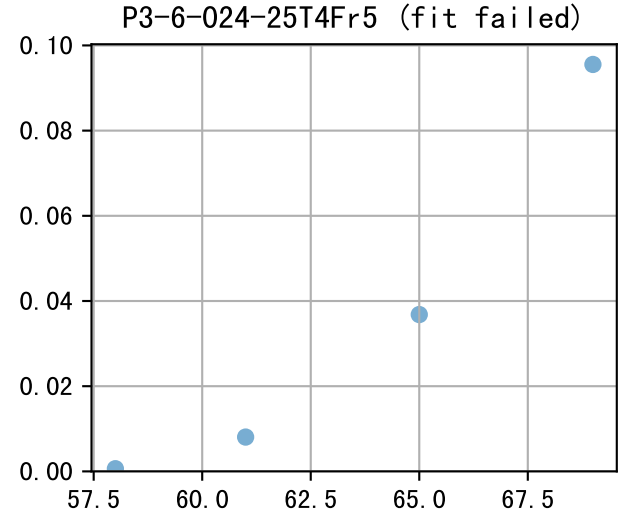
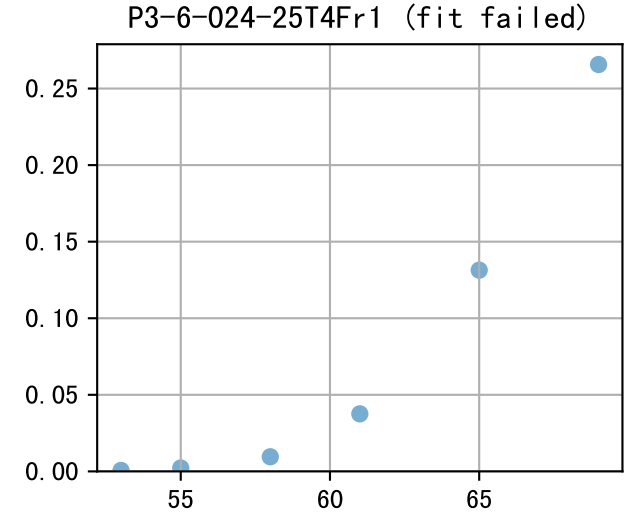
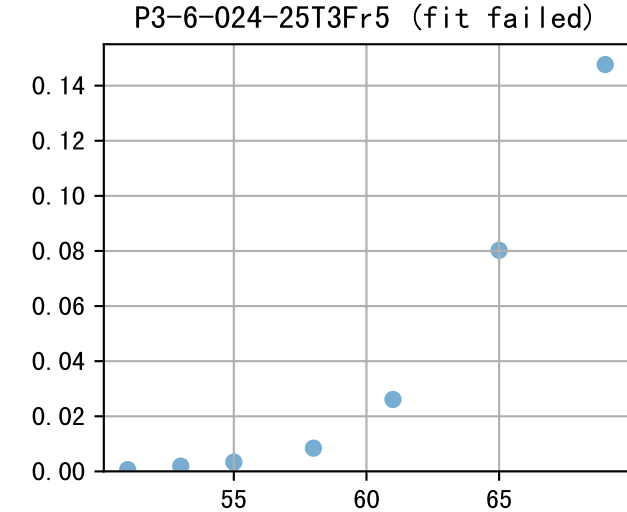
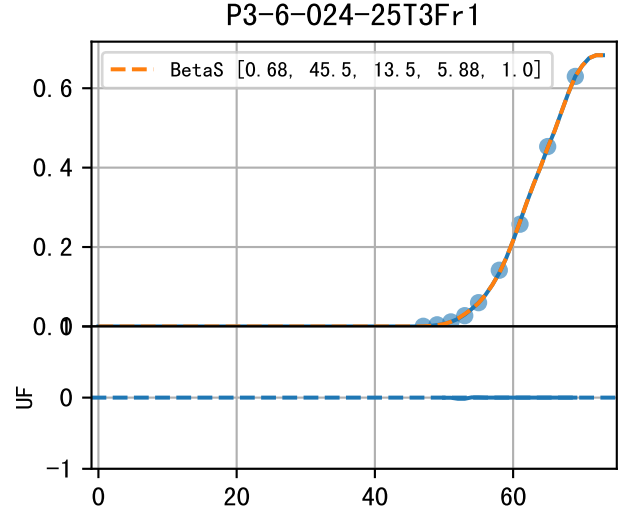
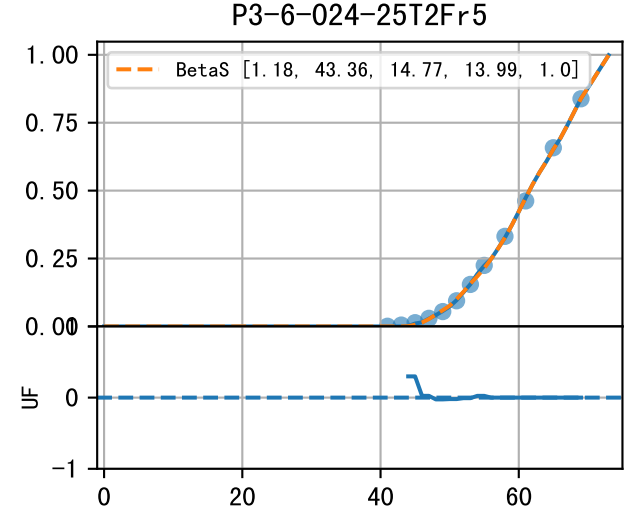
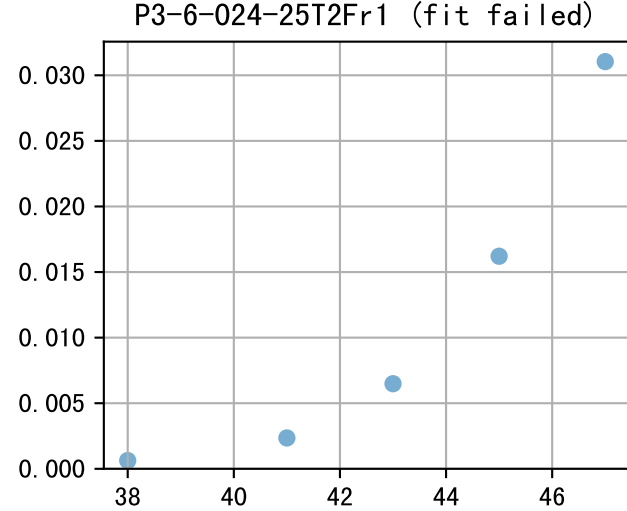
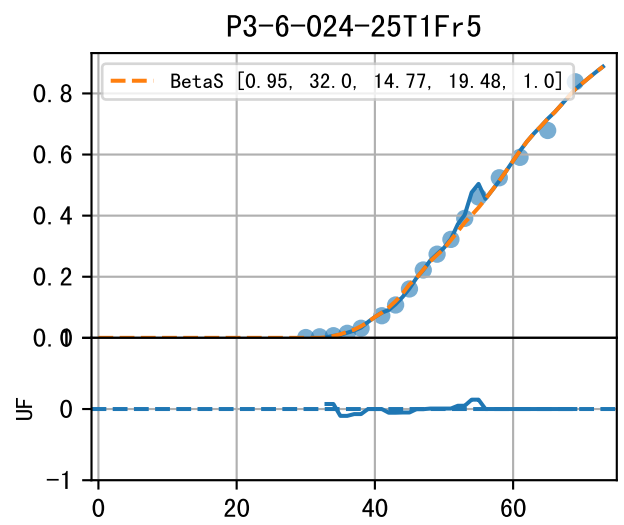
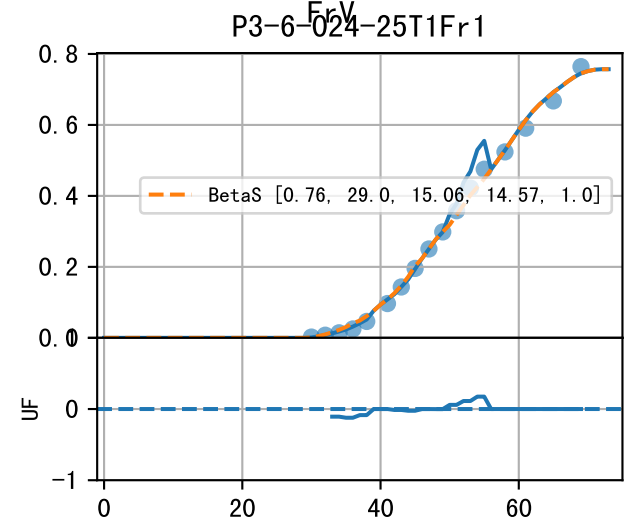
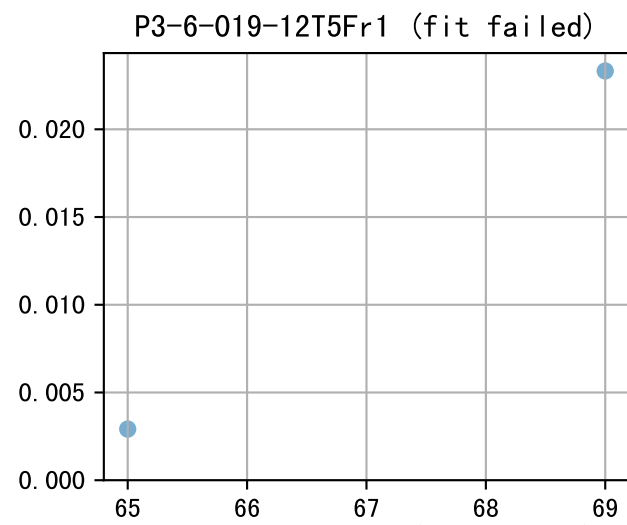












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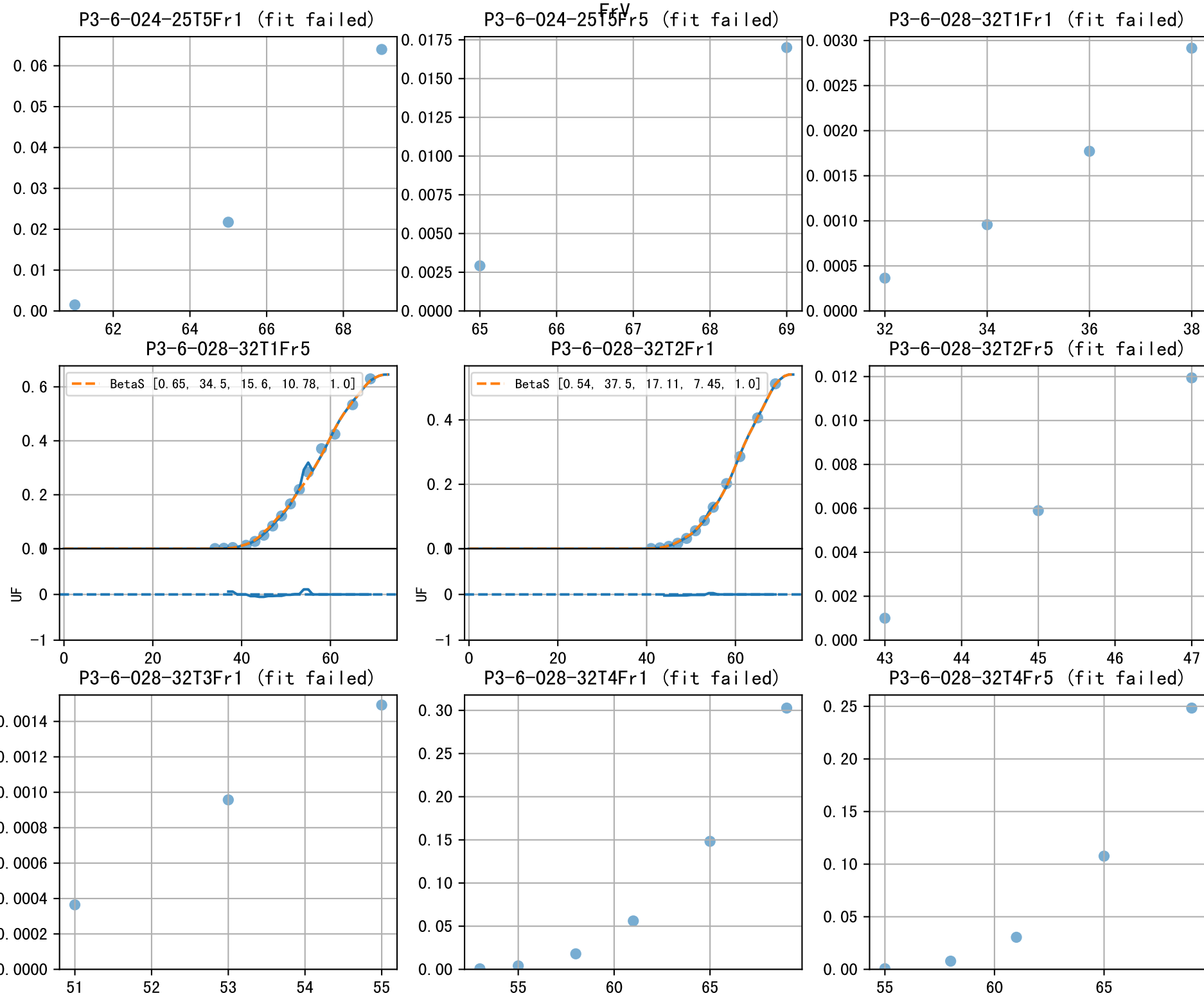
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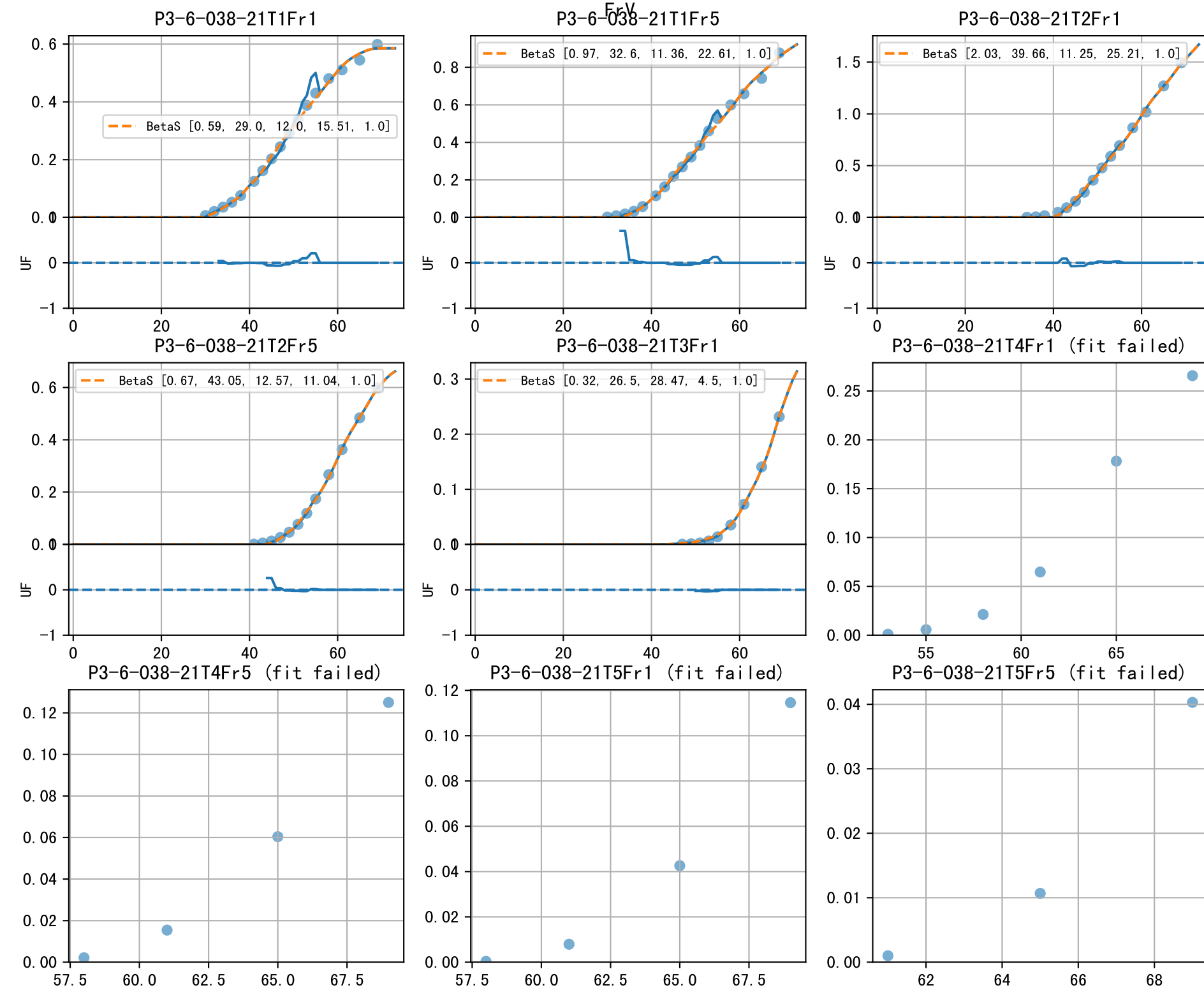
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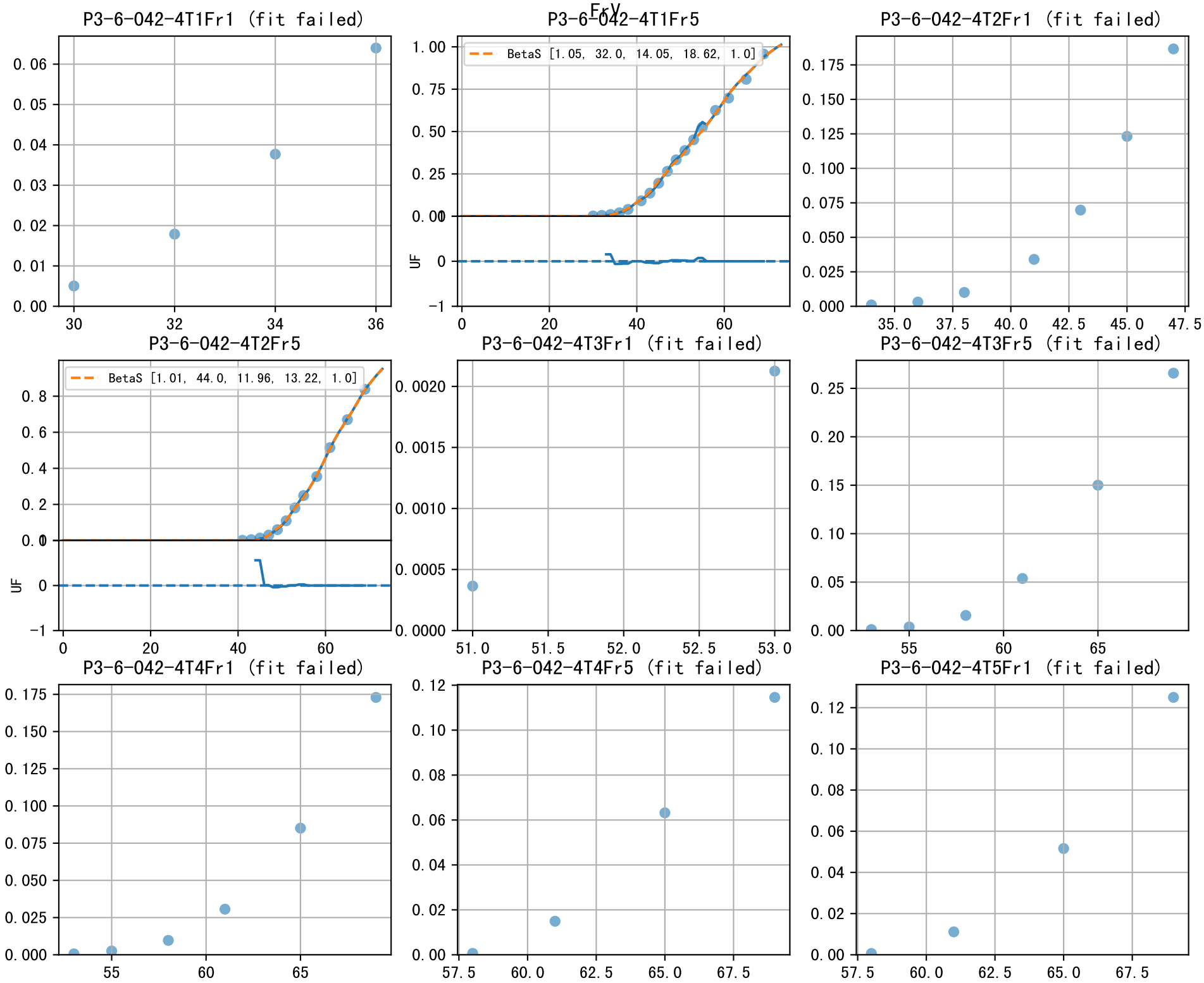
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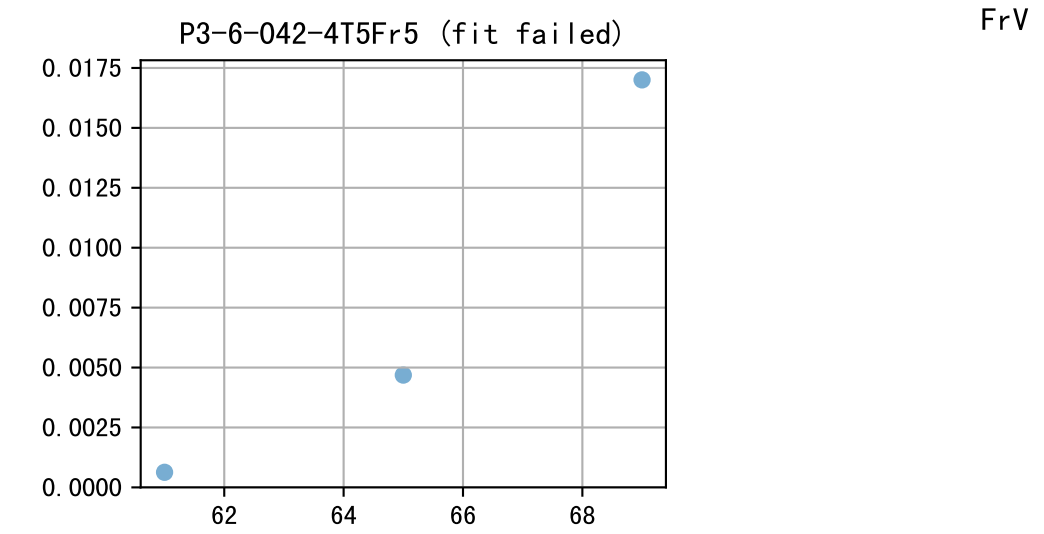
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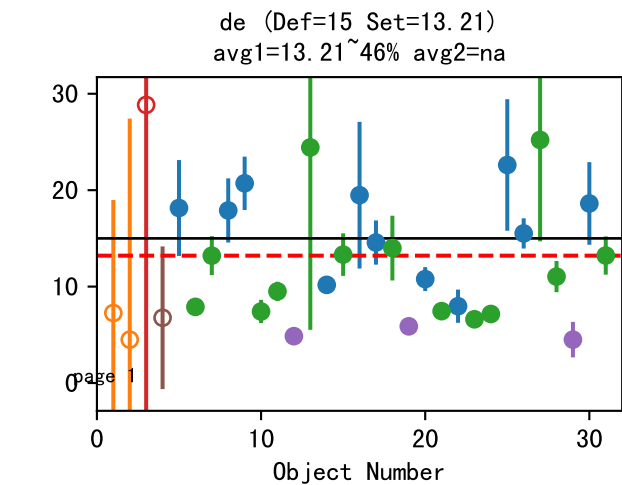
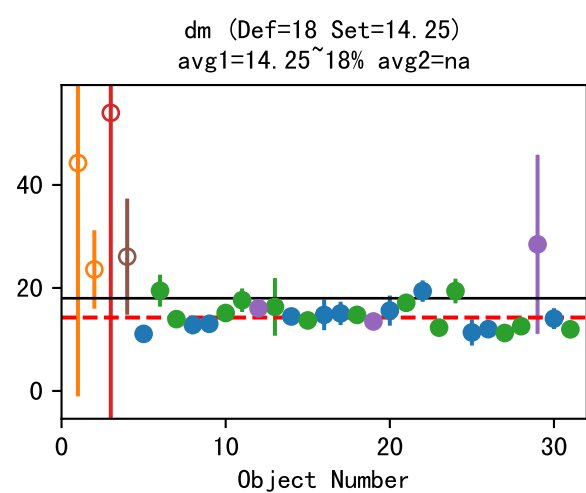
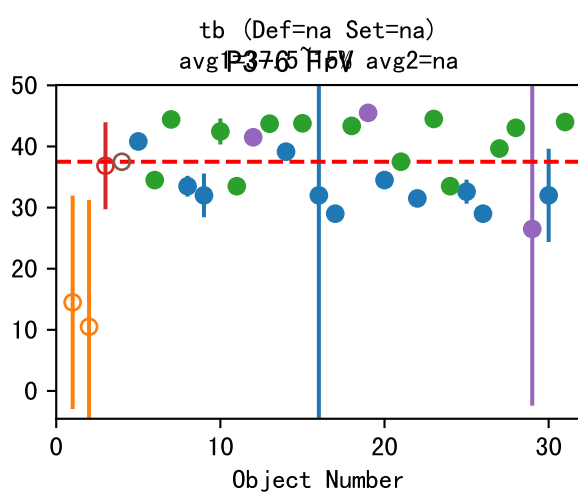
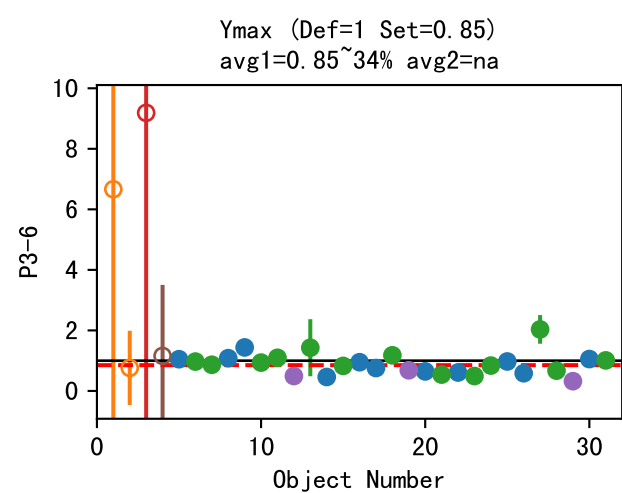




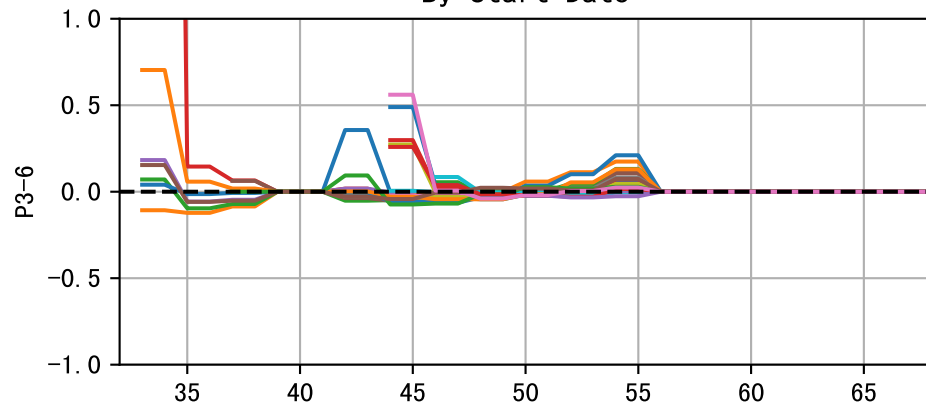




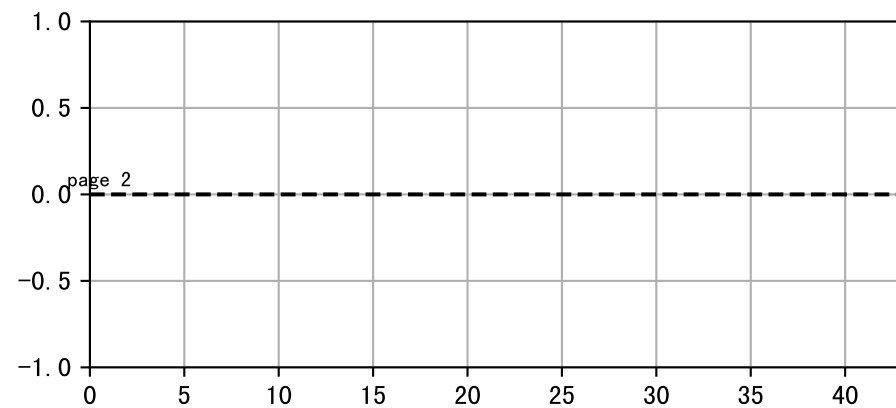
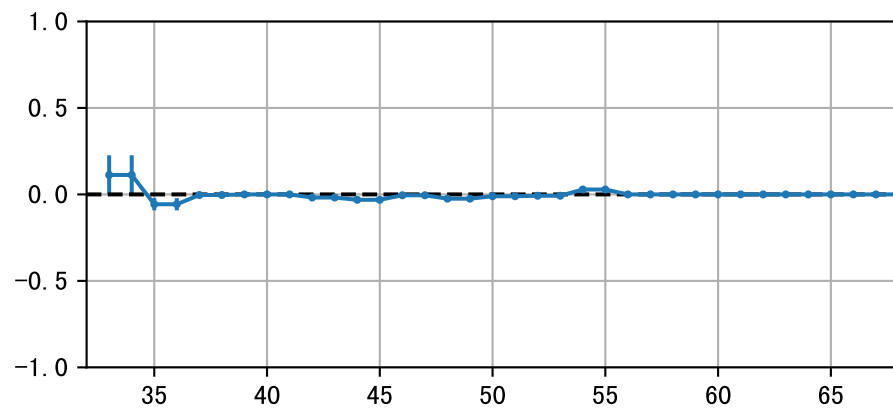
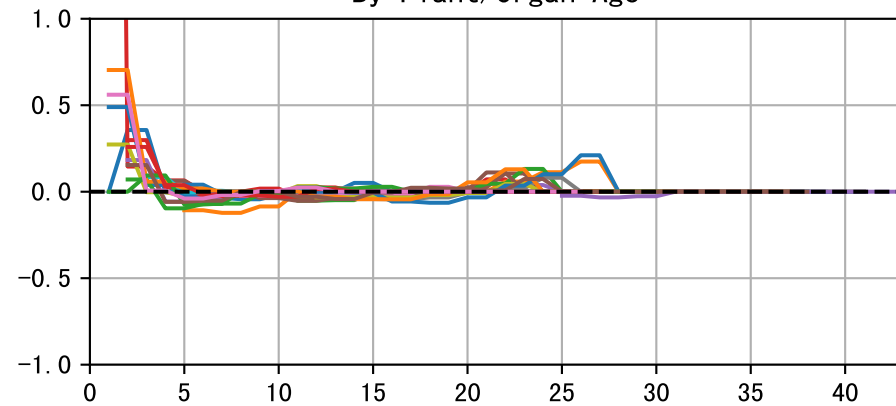


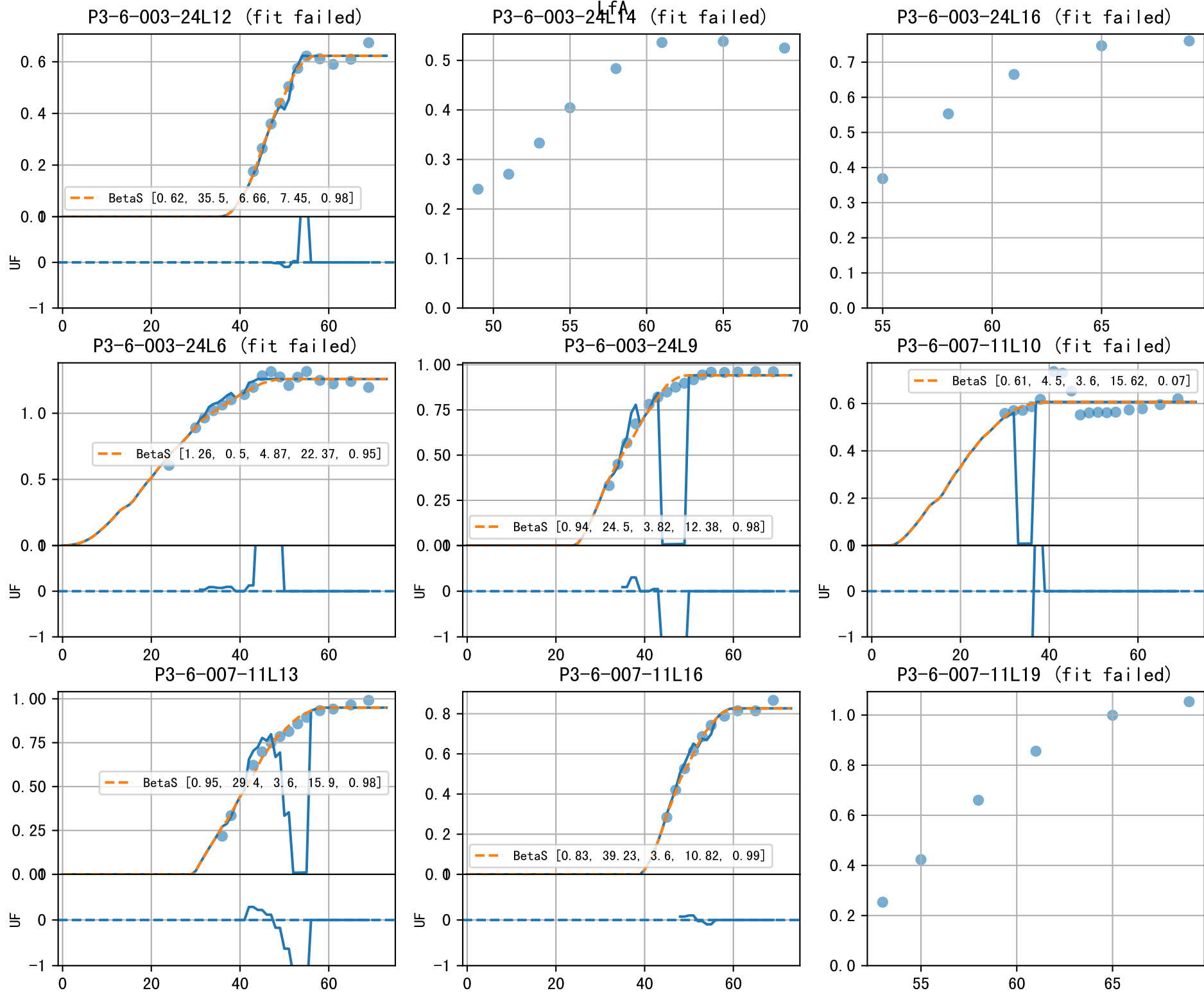


By Start Date

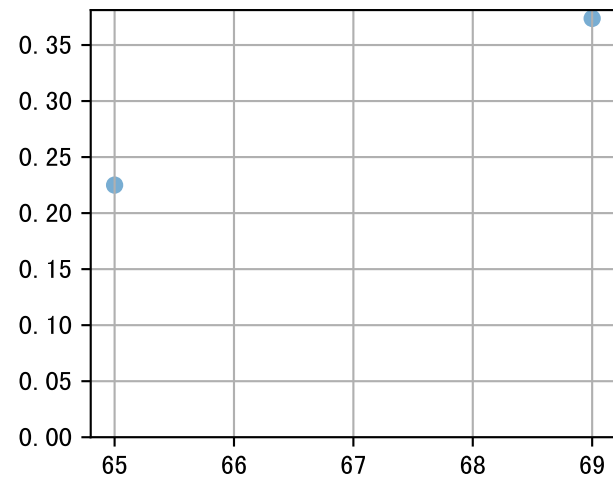


By Plant/Organ Age

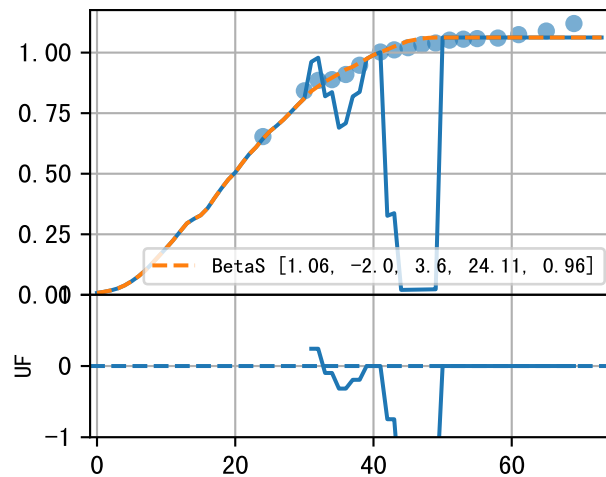




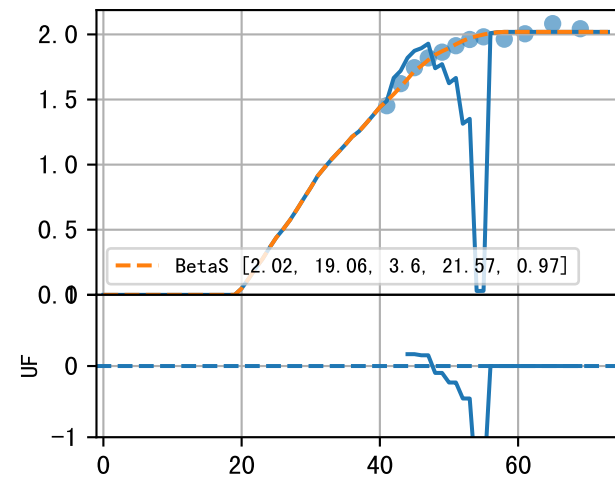
P3-6-007-11L22 (fit failed)



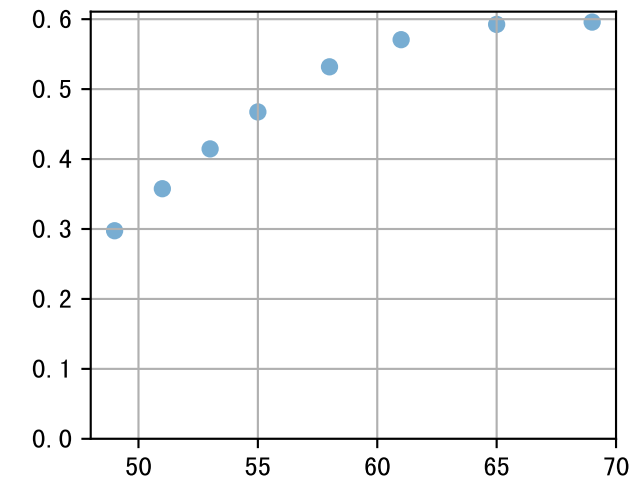
P3-6-007-11L7 (fit failed)



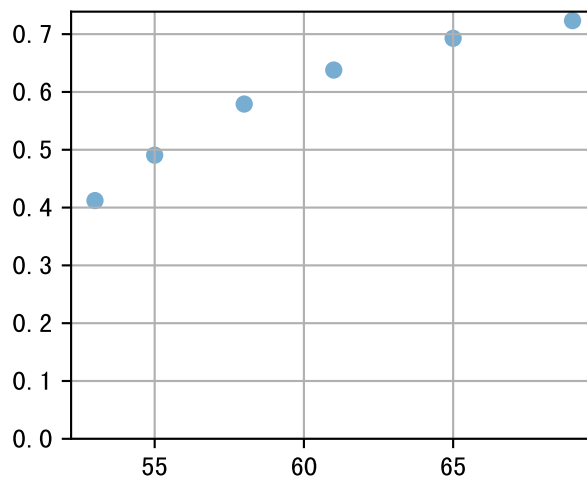
P3-6-011-7L12 (fit failed)



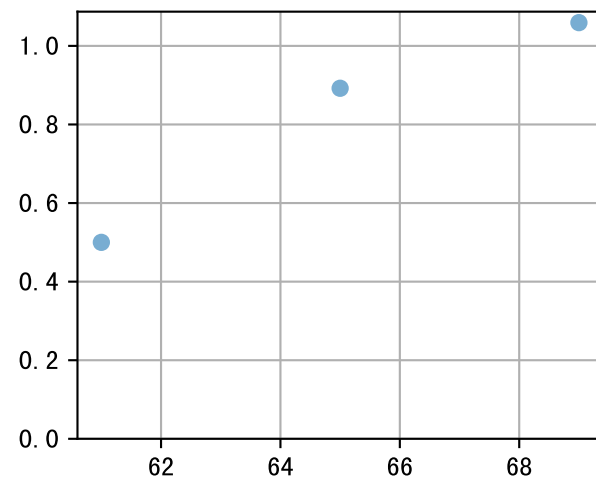
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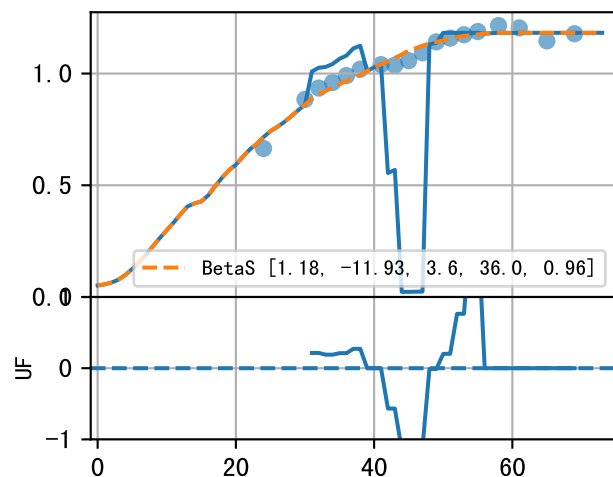
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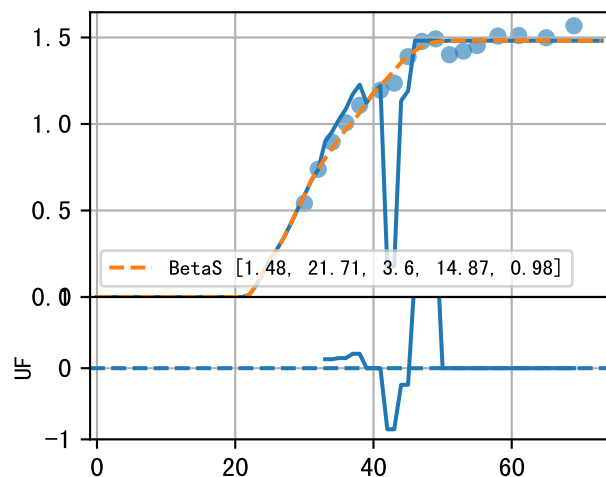
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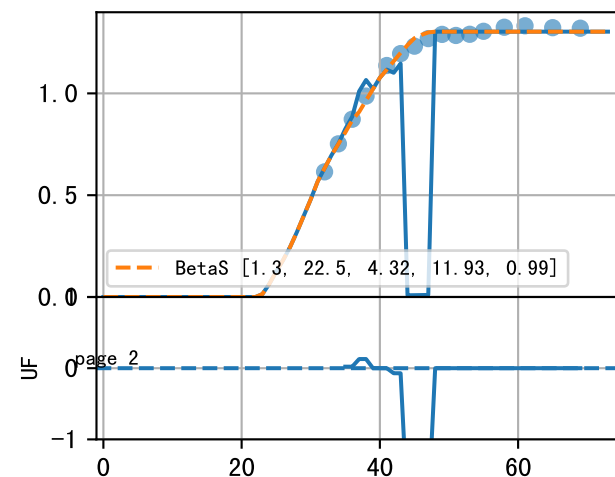
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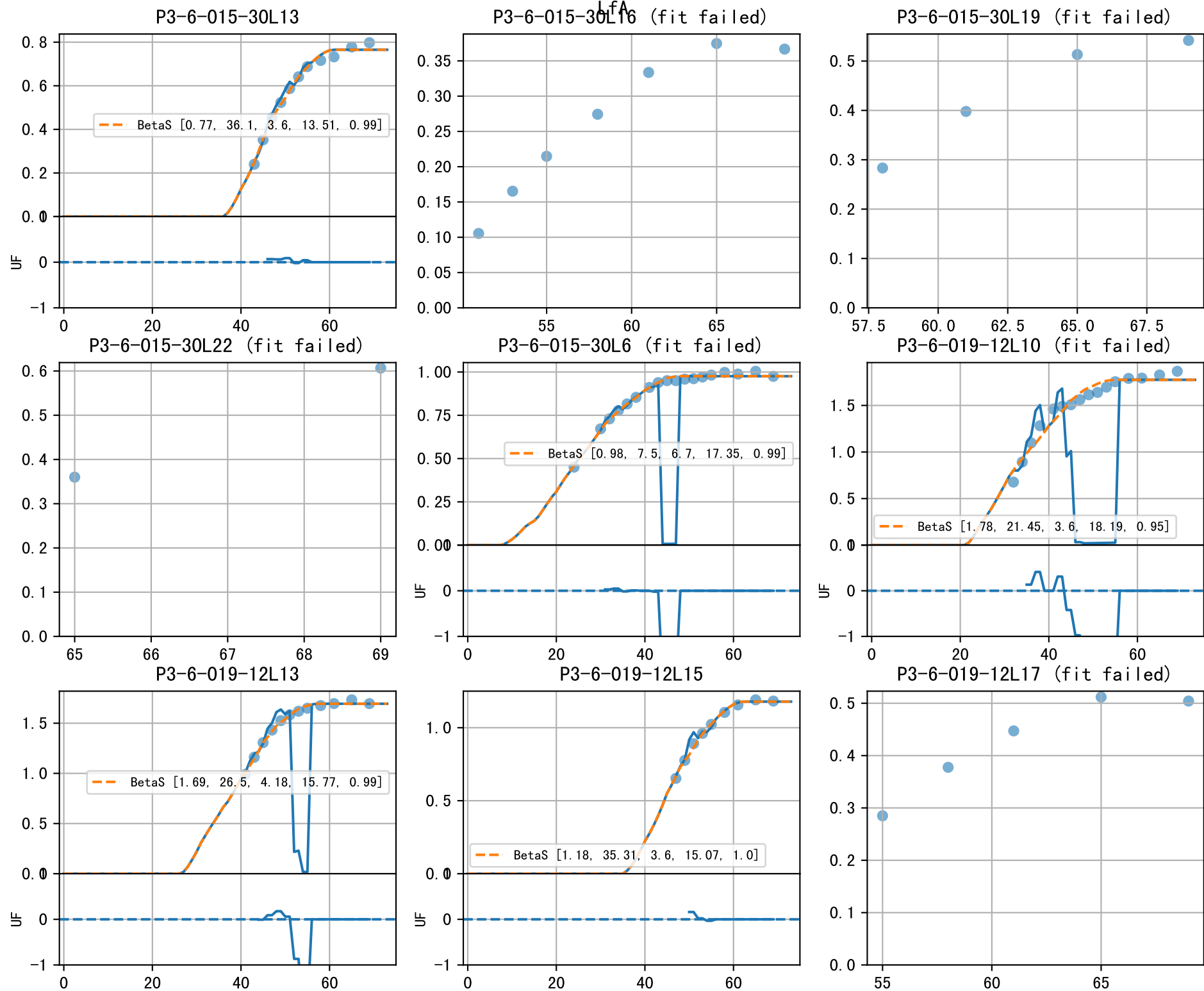


P3-6-011-7L9



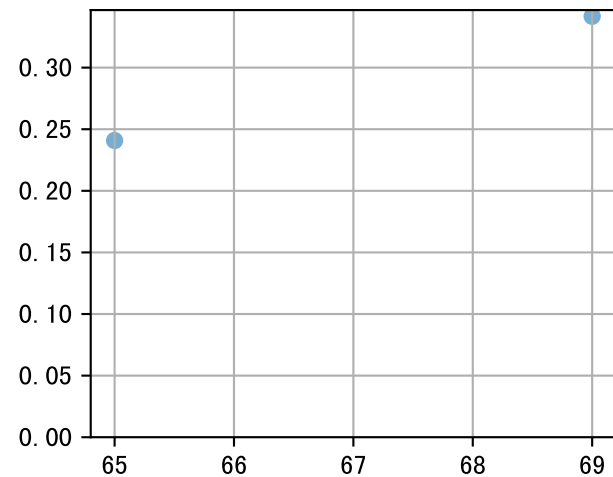
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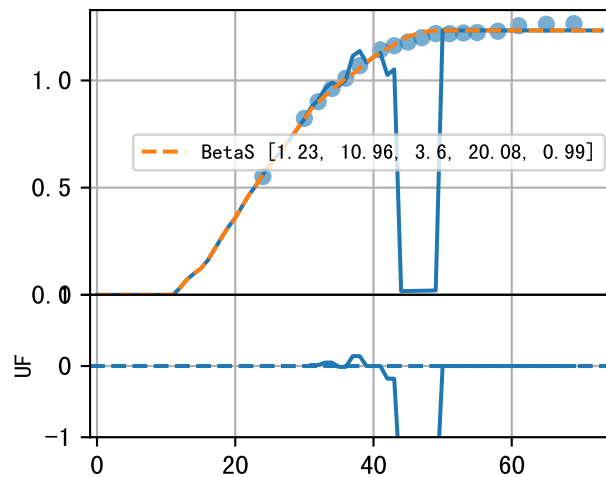


$L_f A$

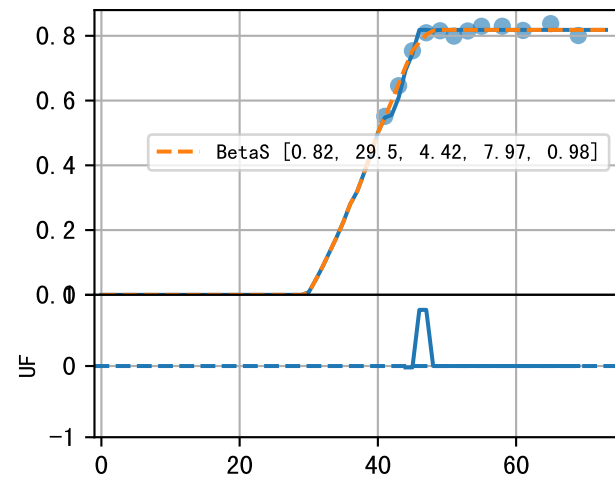
P3-6-019-12L21 (fit failed)



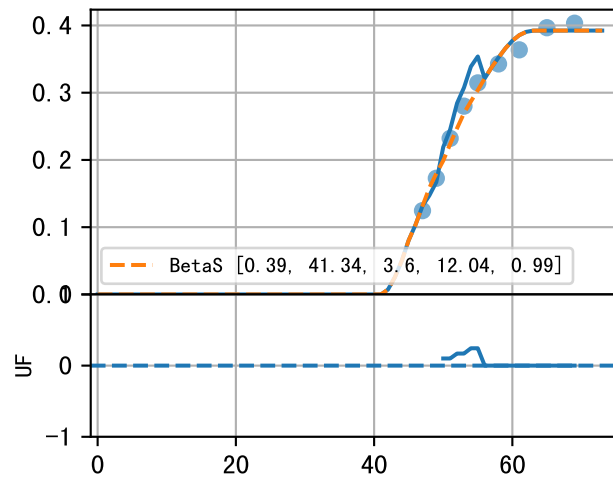
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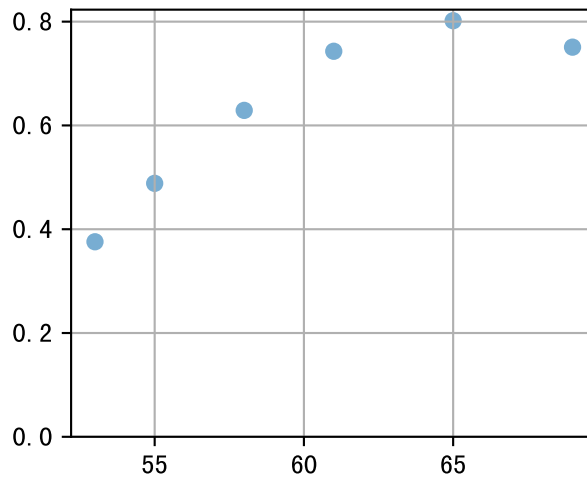
P3-6-024-25L12 (fit failed)



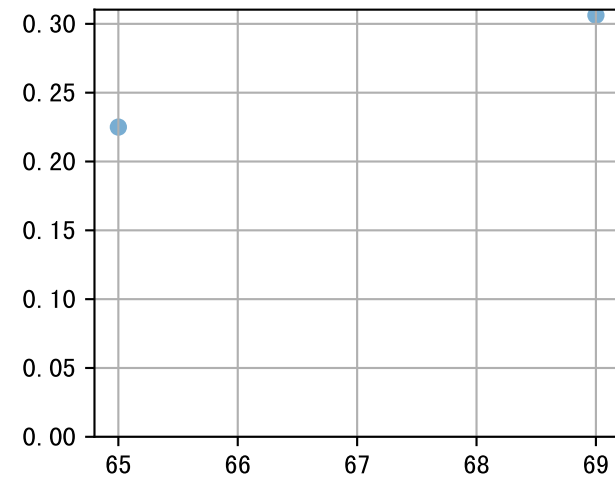
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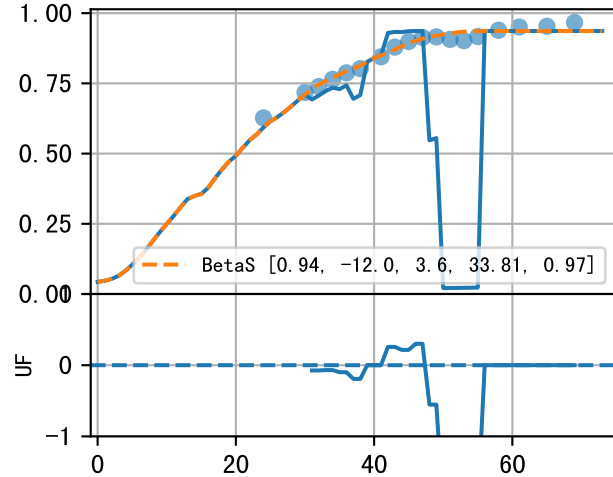
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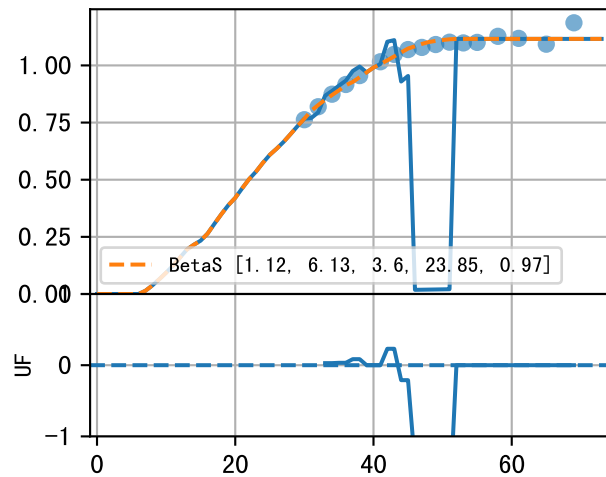
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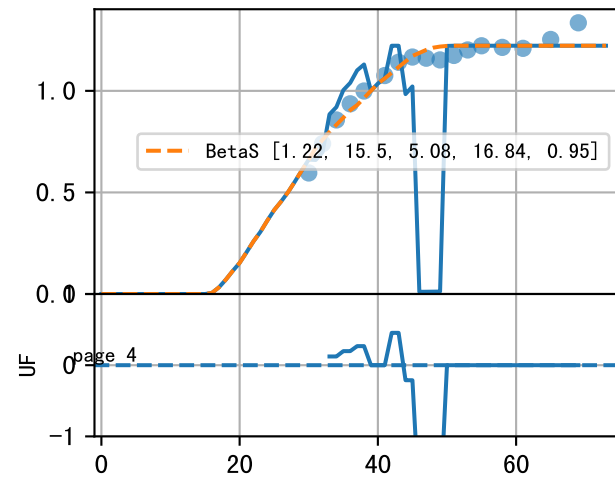
P3-6-024-25L6 (fit failed)

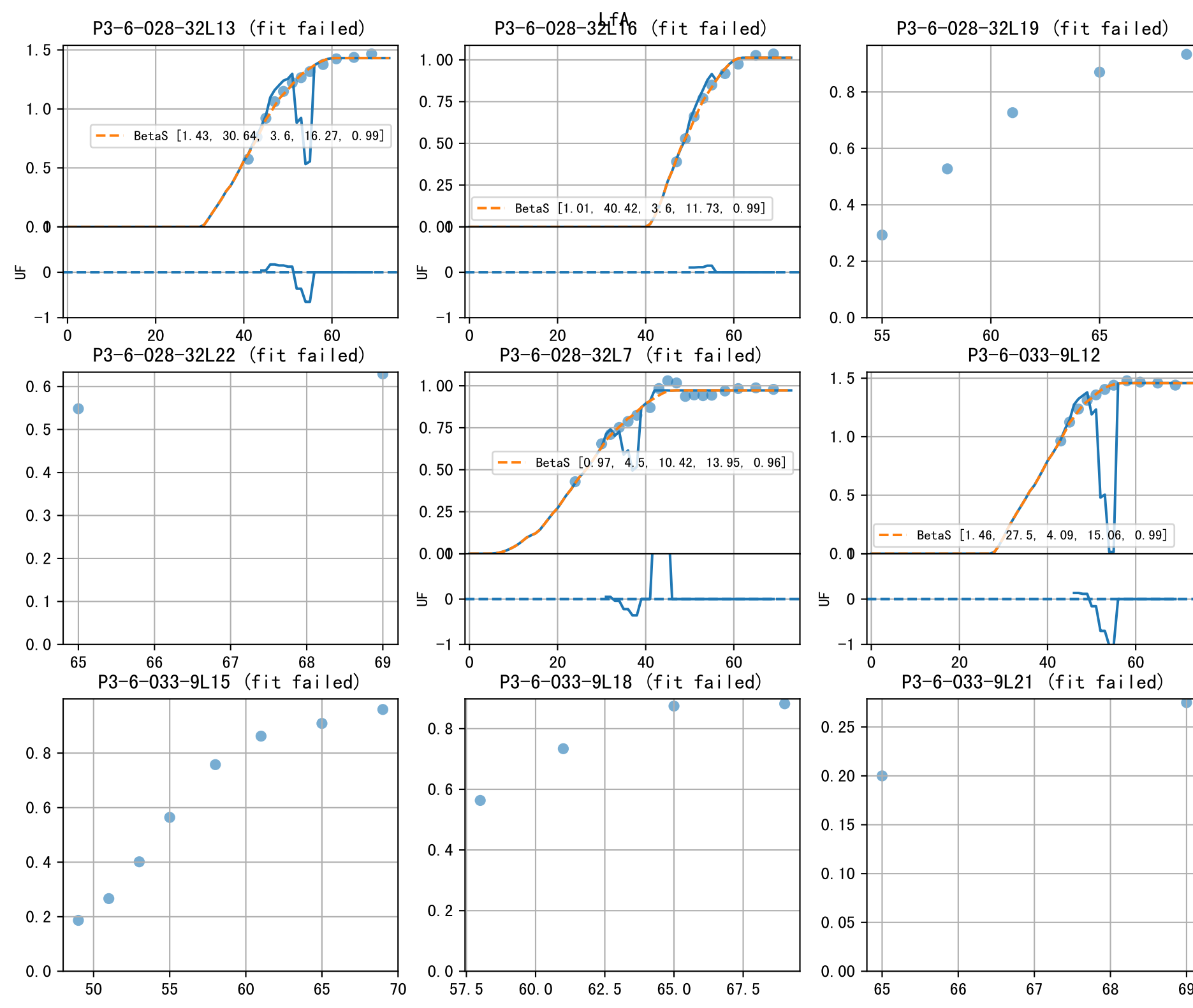


P3-6-024-25L9 (fit failed)

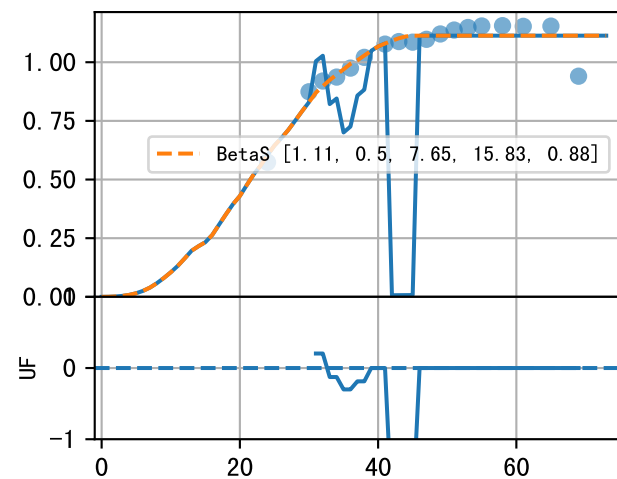


P3-6-028-32L10 (fit failed)

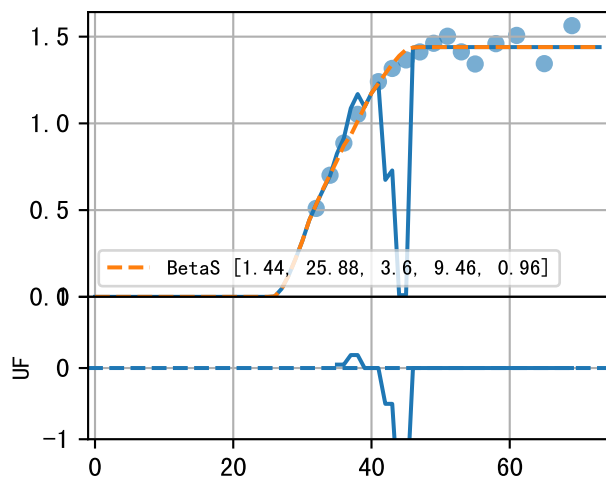




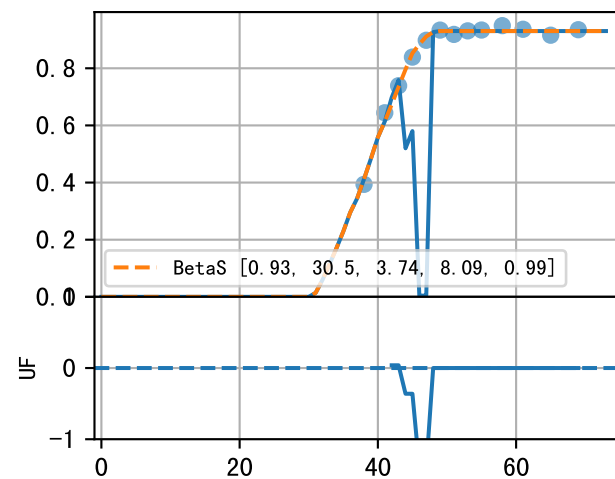
P3-6-033-9L6 (fit failed)



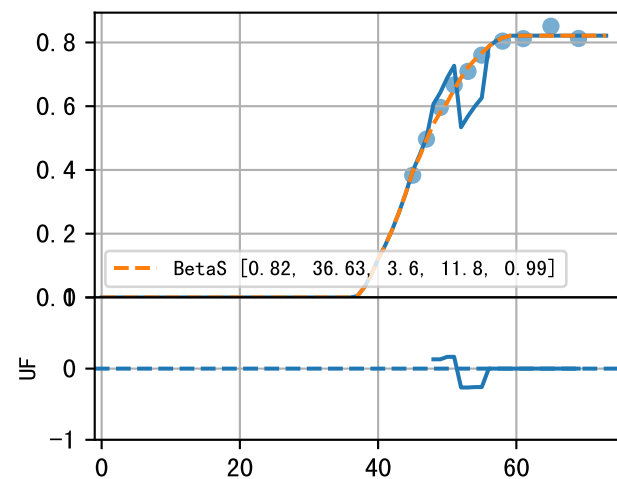
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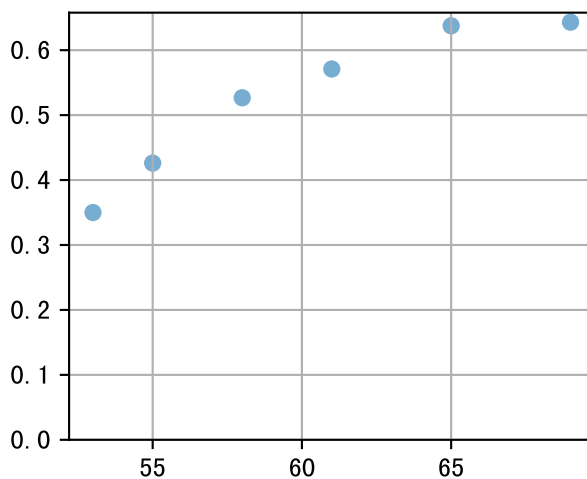
P3-6-038-21L12 (fit failed)



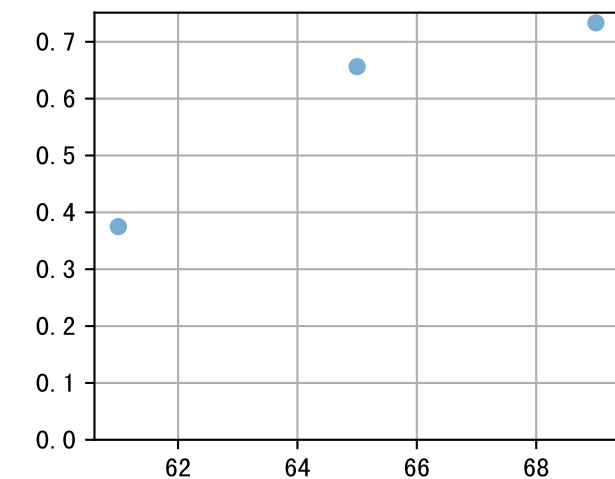
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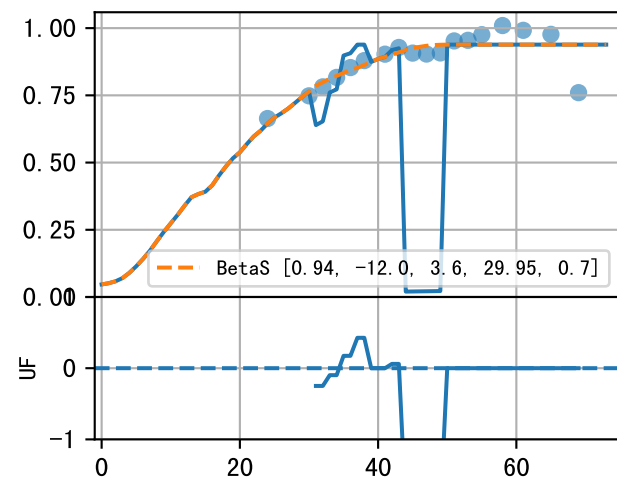
P3-6-038-21L18 (fit failed)



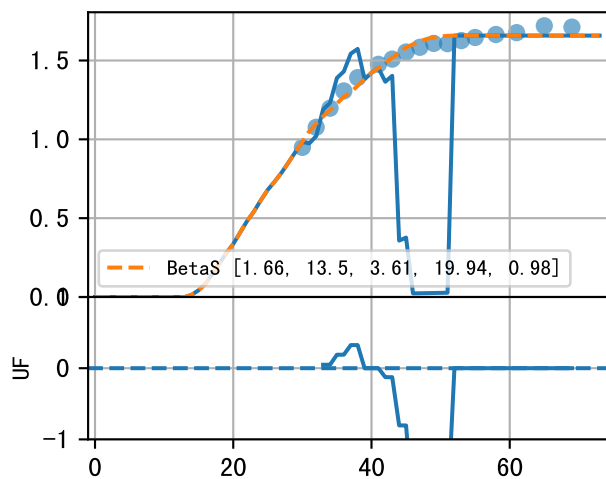
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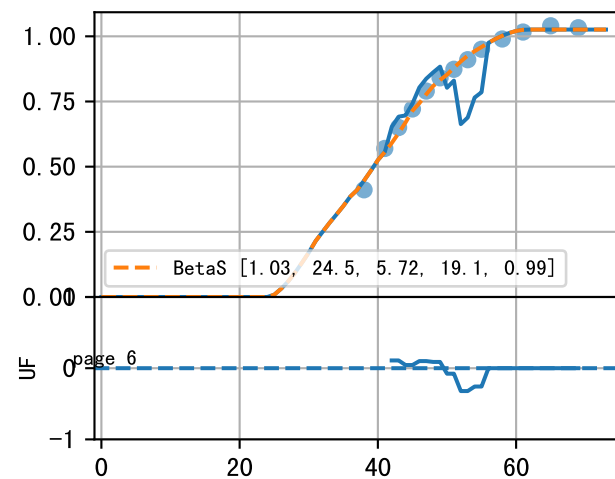
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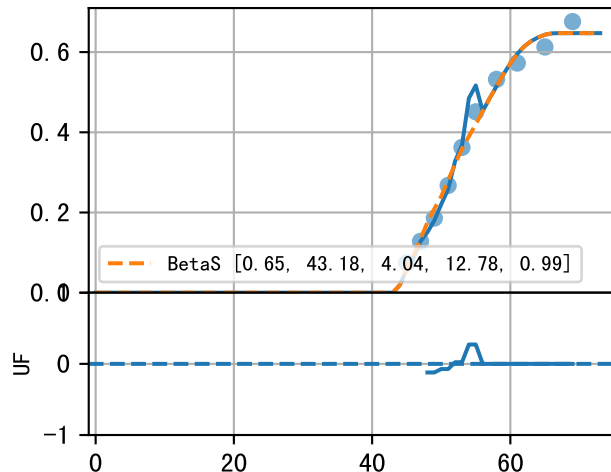
P3-6-038-21L9 (fit failed)



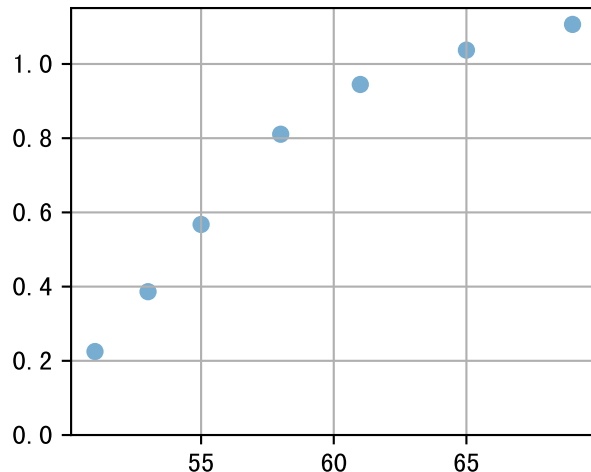
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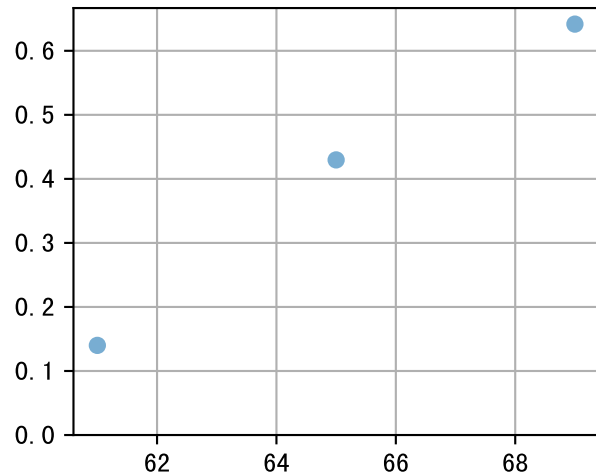
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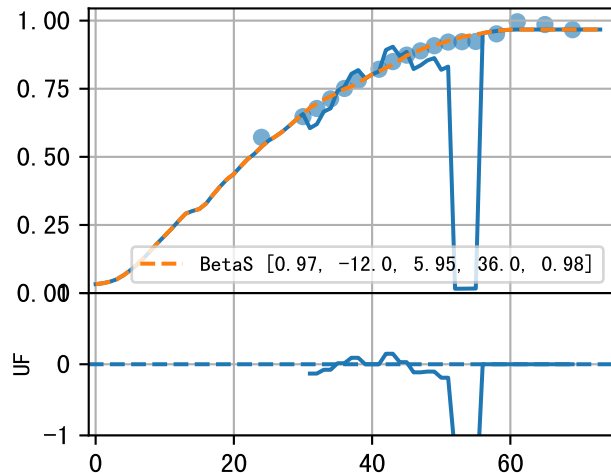
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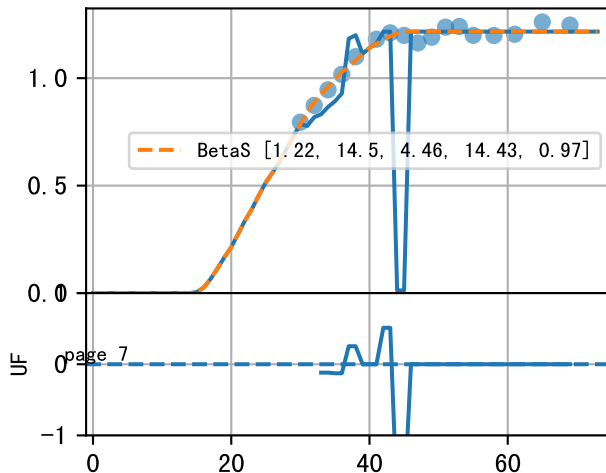
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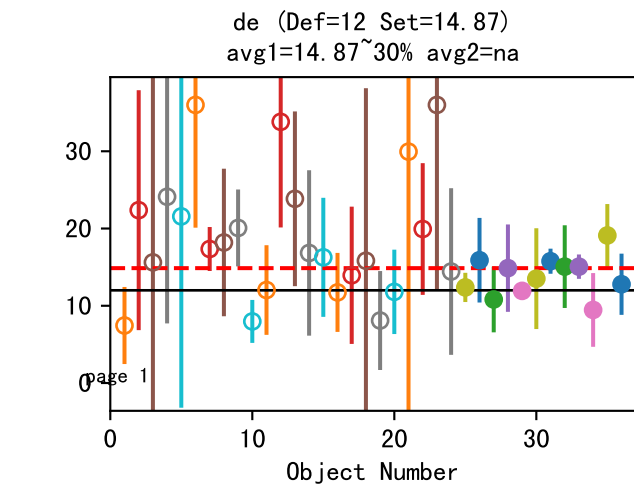
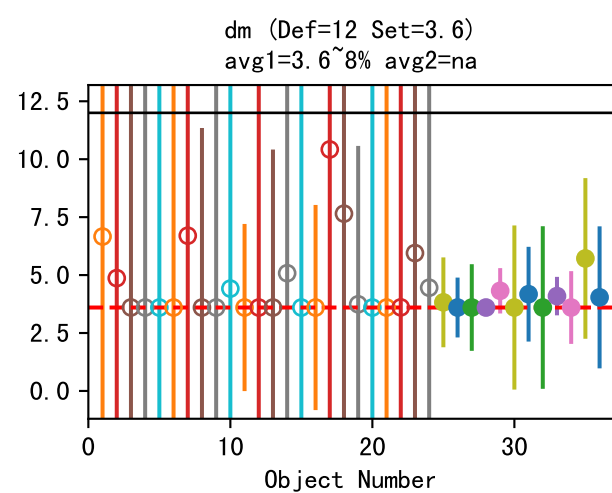
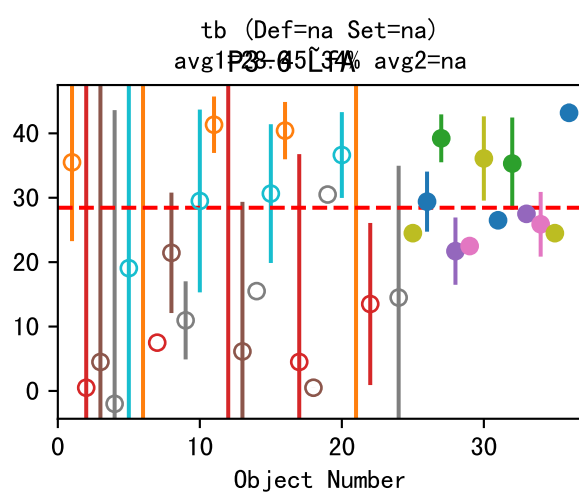
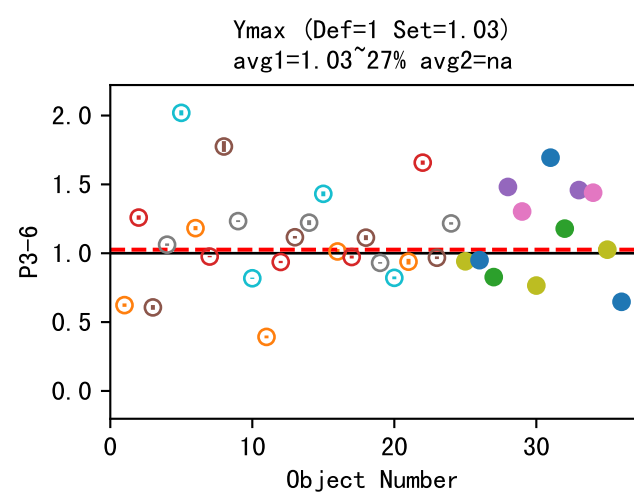


P3-6-042-4L6 (fit failed)

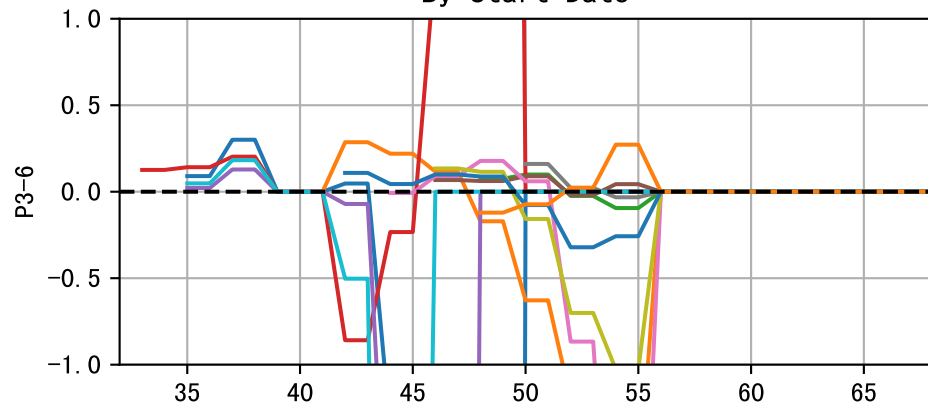


P3-6-042-4L9 (fit failed)

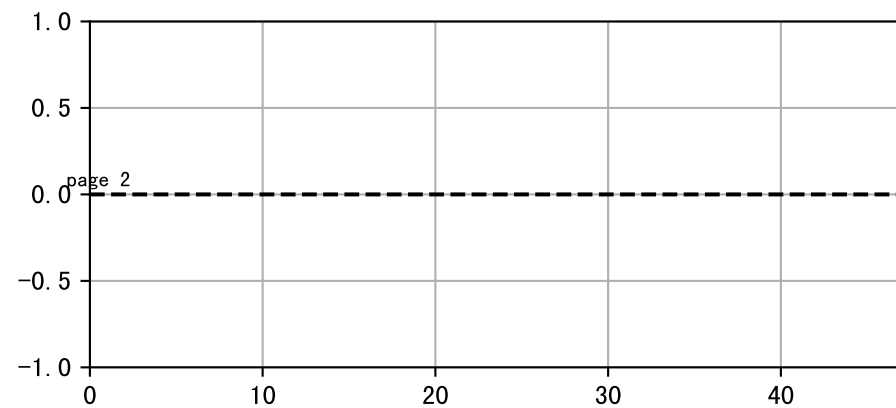
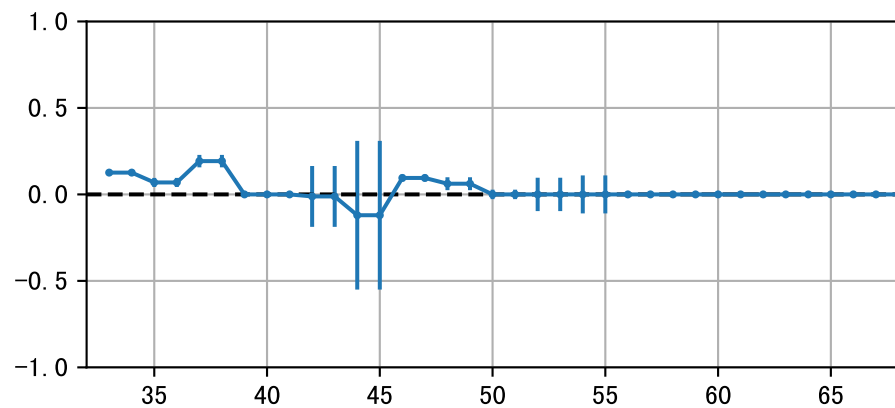
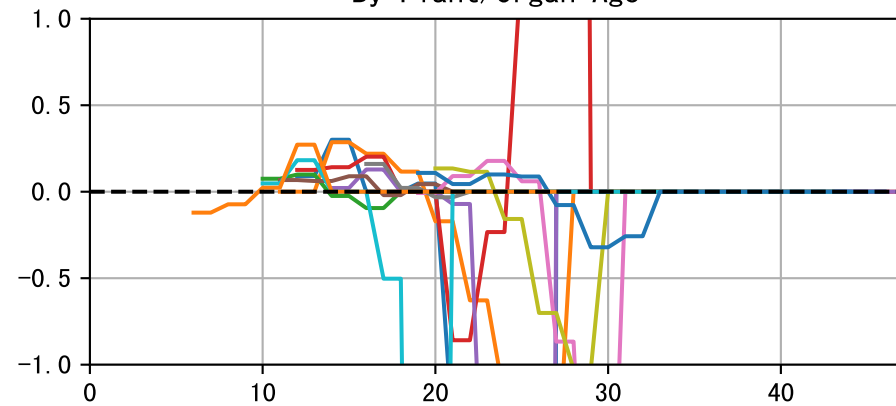


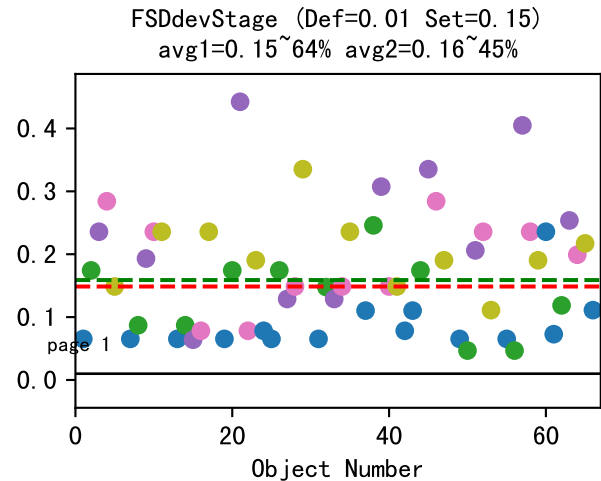
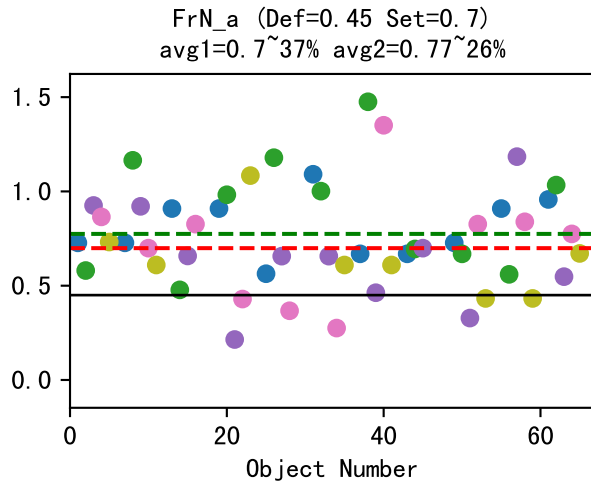
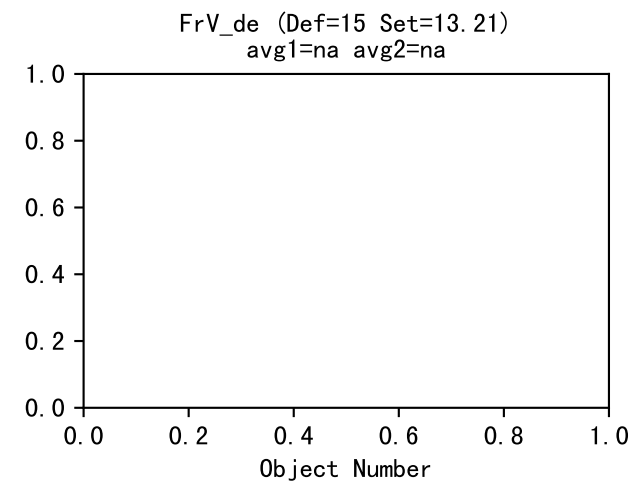
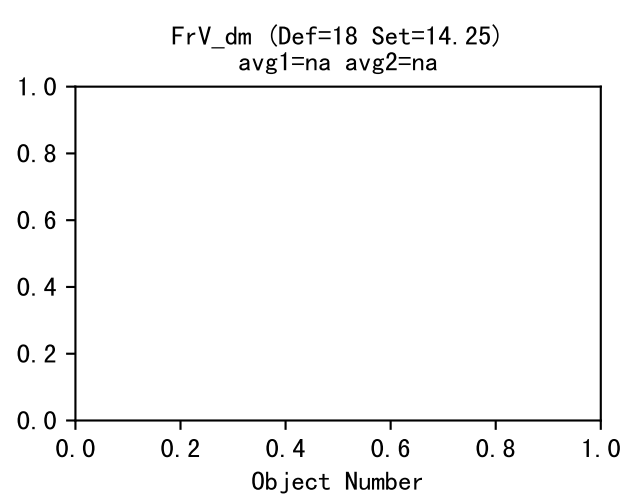
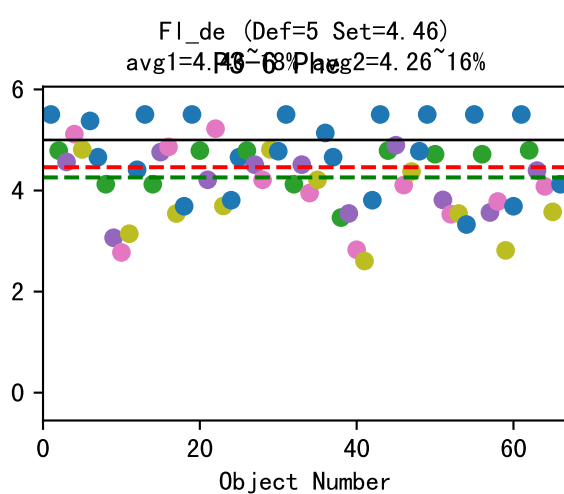
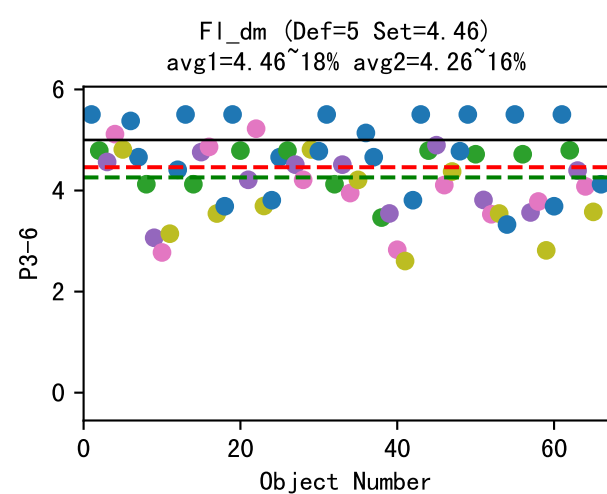


By Start Date

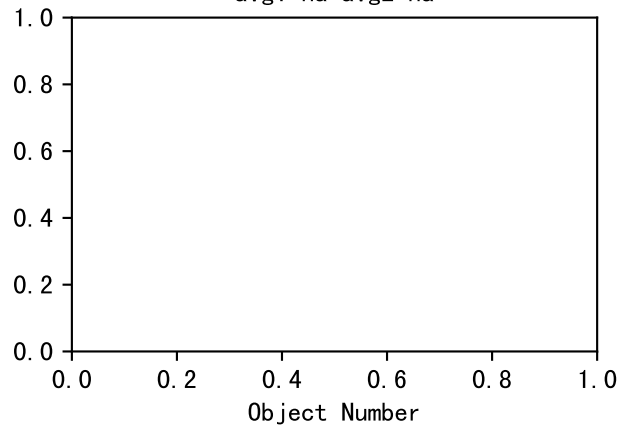


By Plant/Organ Age

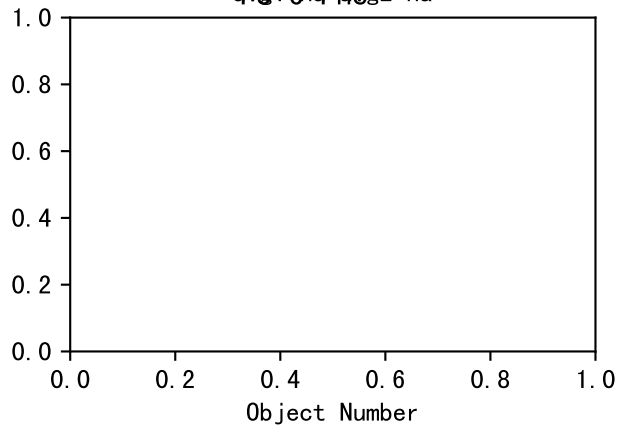




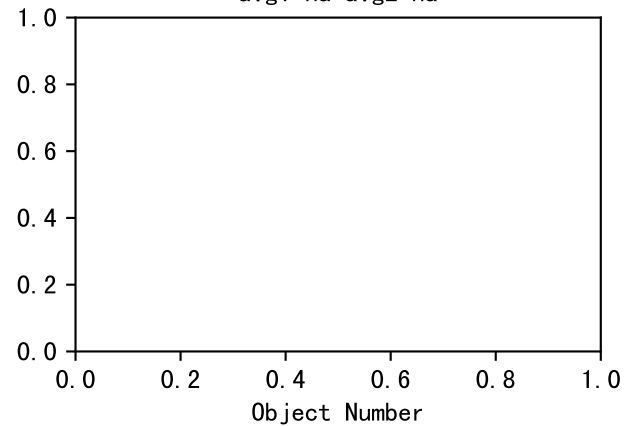
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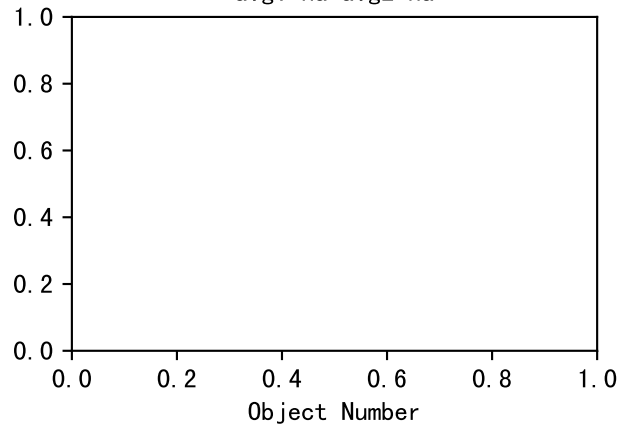
FMBDDdevStage (Def=1.3 Set=1.3)
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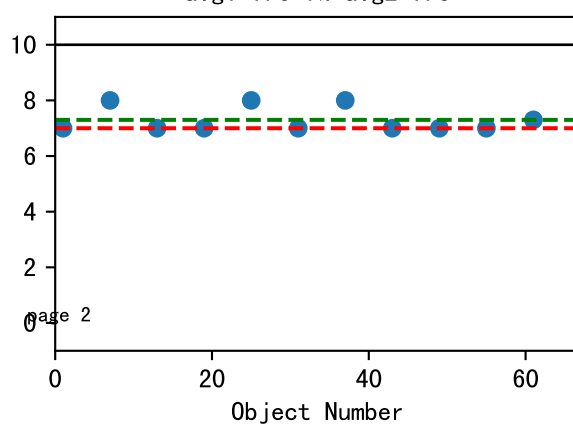
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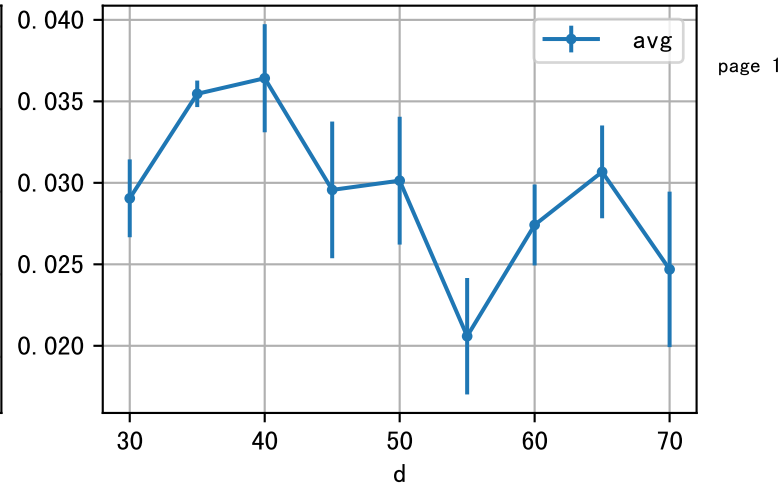
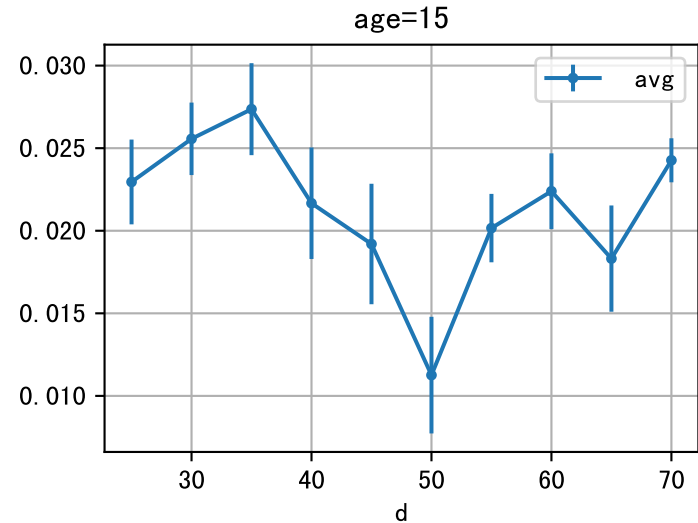
FHDdevStage (Def=1.5 Set=1.5)
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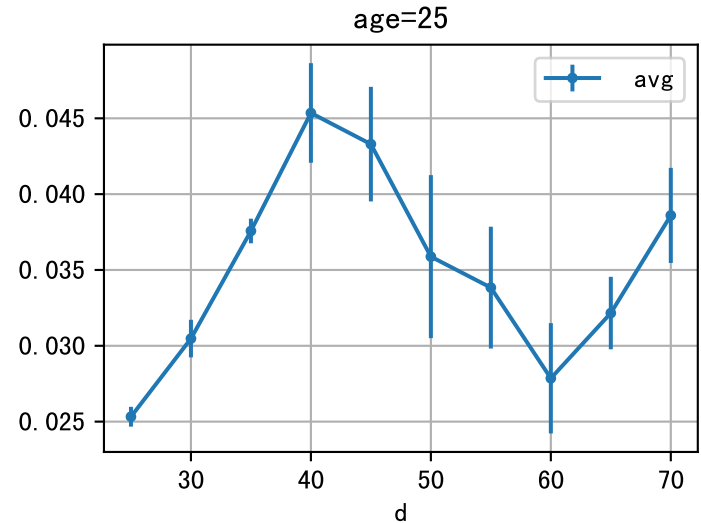
NNgen (Def=10 Set=7)
avg1=7.0~7% avg2=7.3

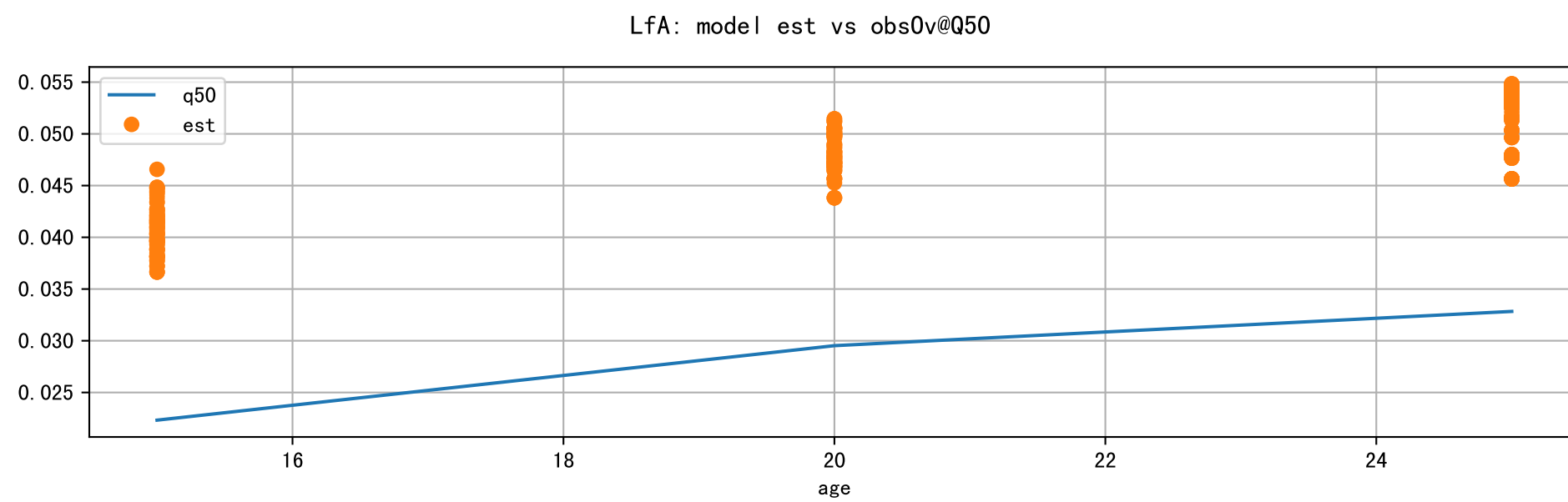


LfA: avg vs. d at each age group



page 1



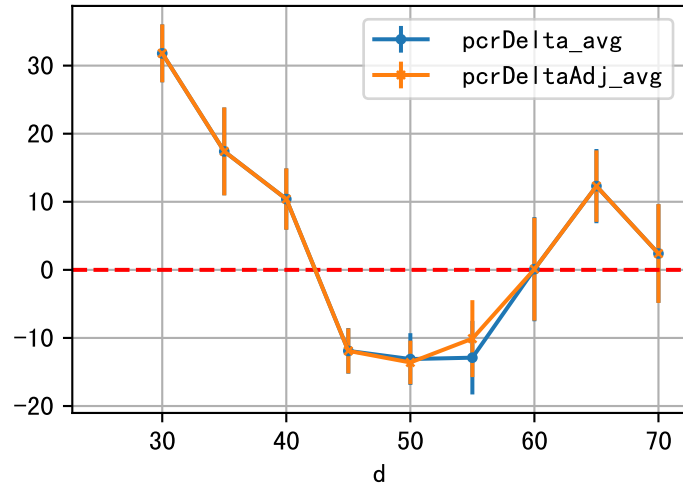
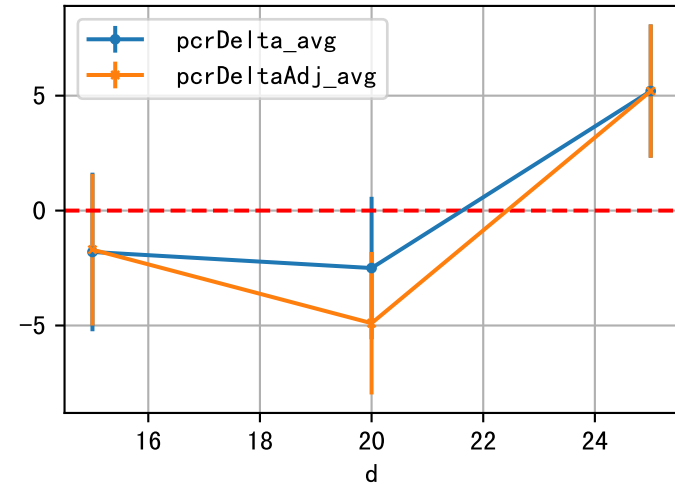


P3-6 LfA: D_5d_LfA

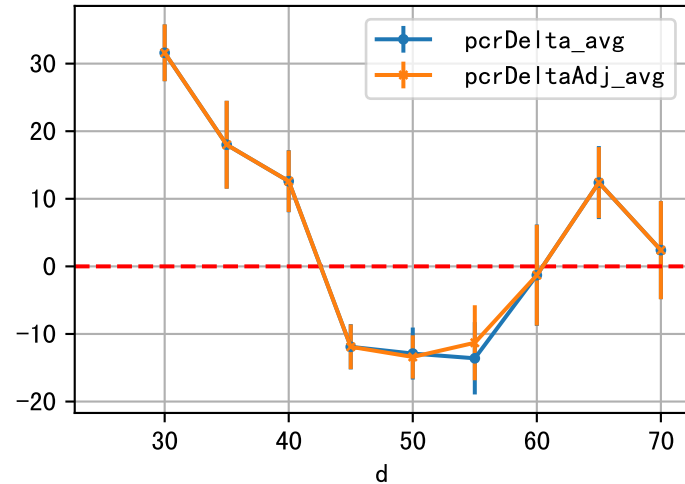
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD



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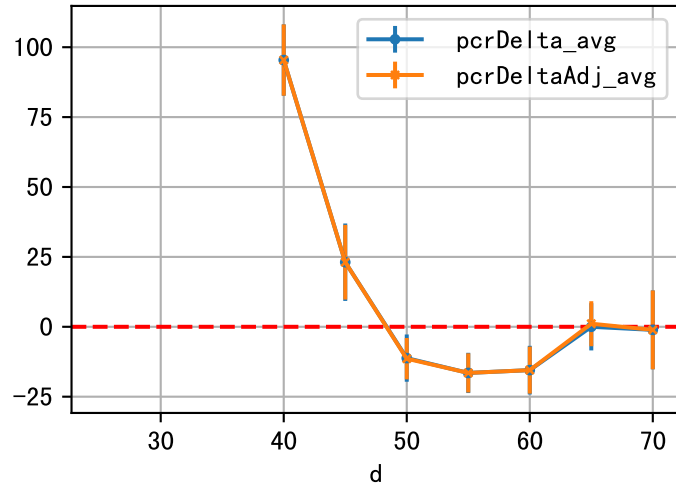
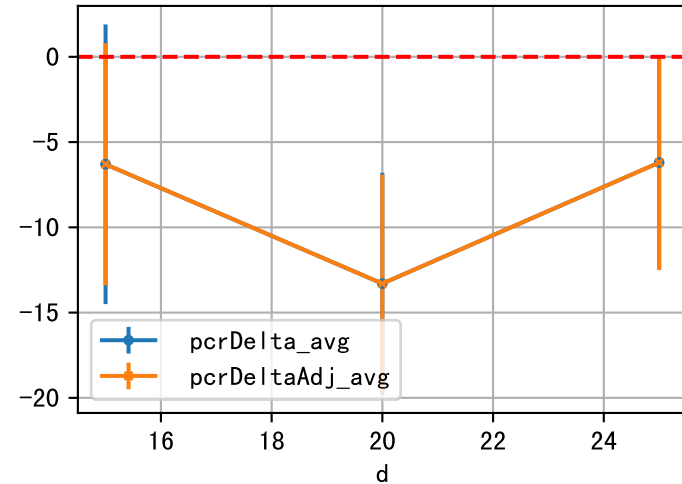


P3-6 LfA: D_15d_LfA

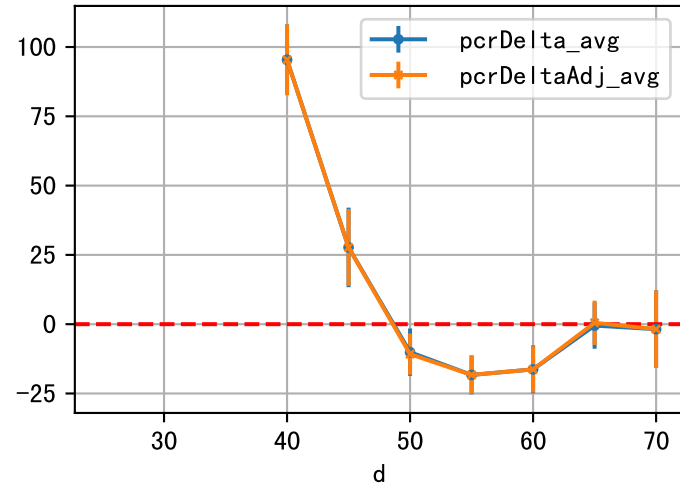
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DeltaTypeAbbr=GrpByDay

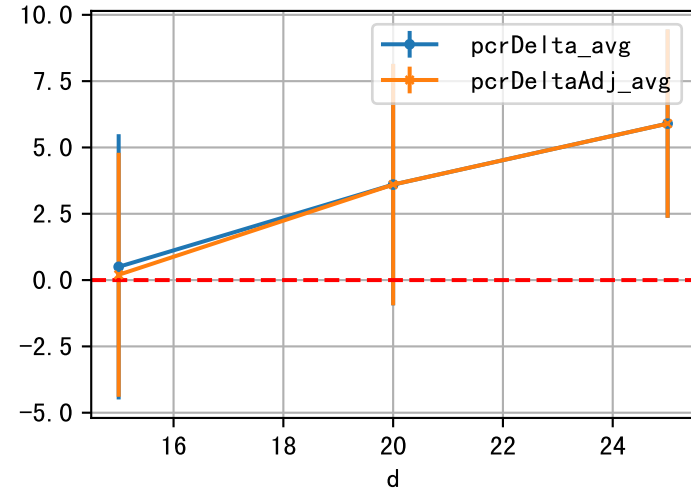
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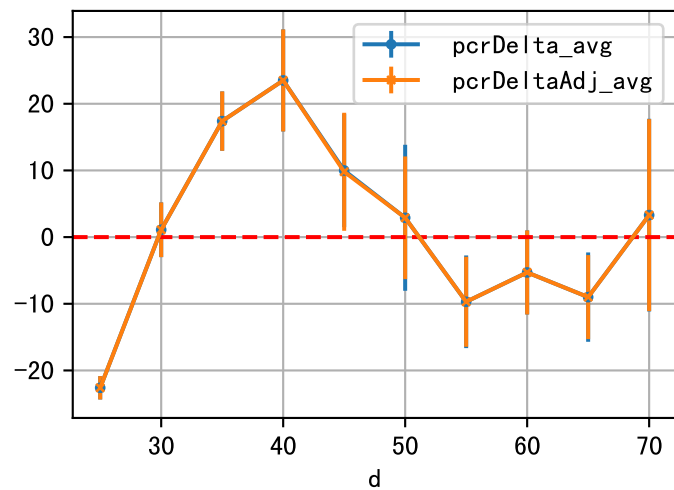
page 4



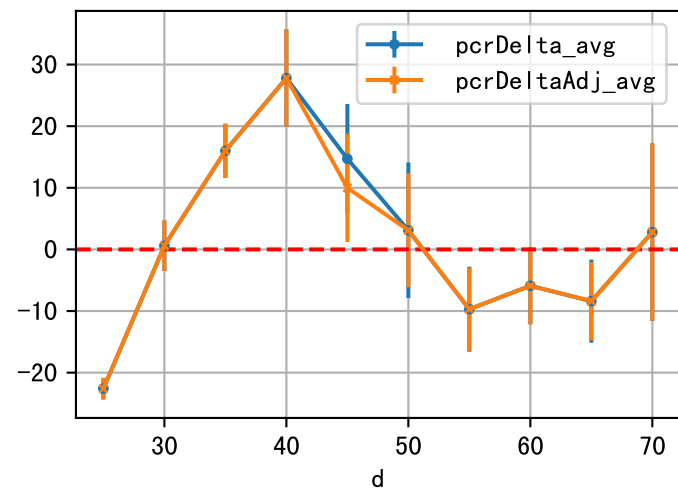
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DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD



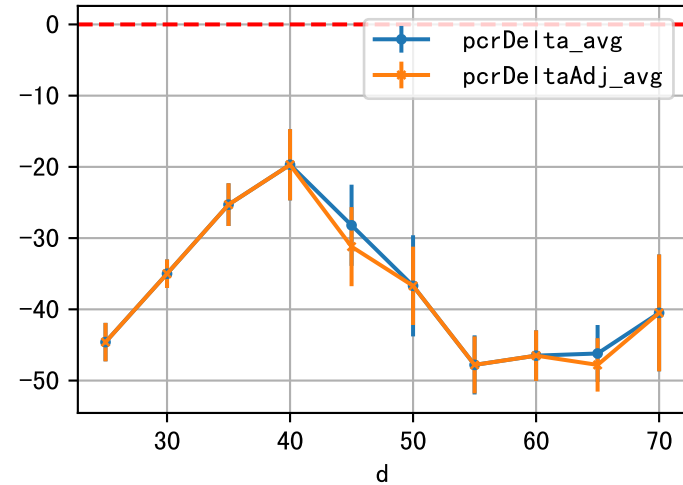
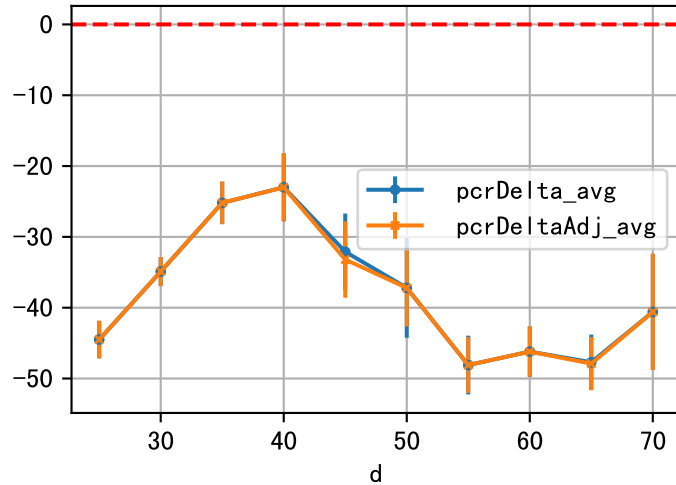
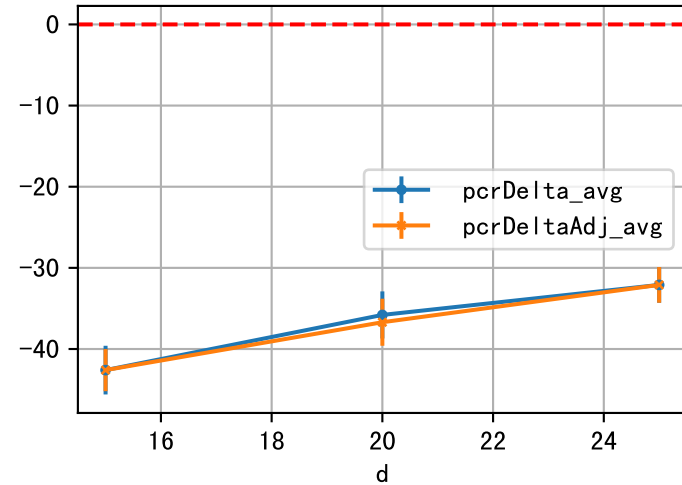
P3-6 LfA: D_Est_LfA

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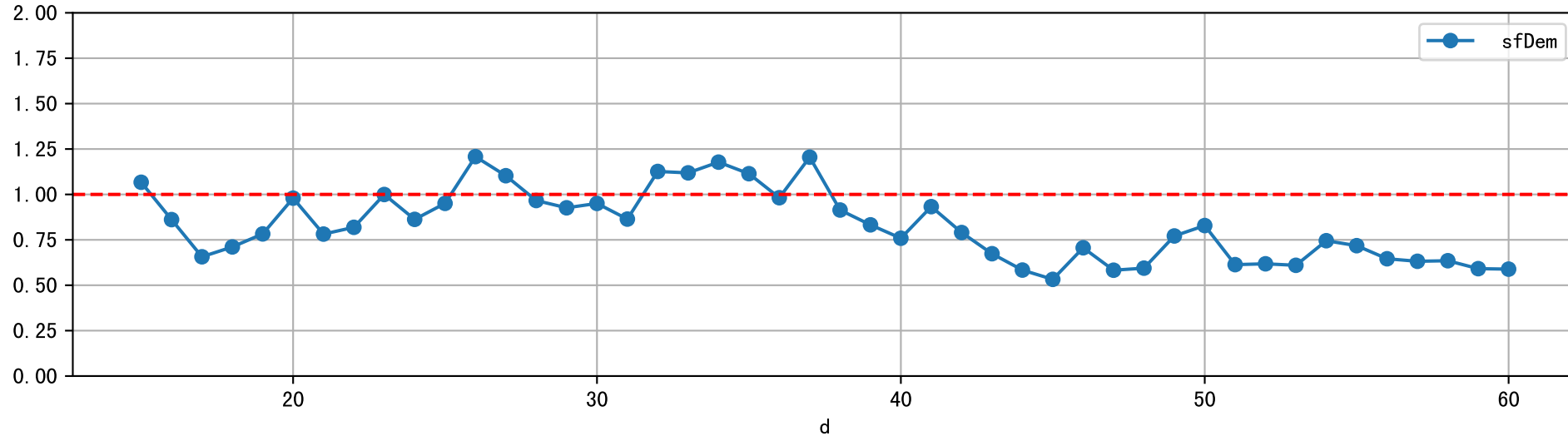
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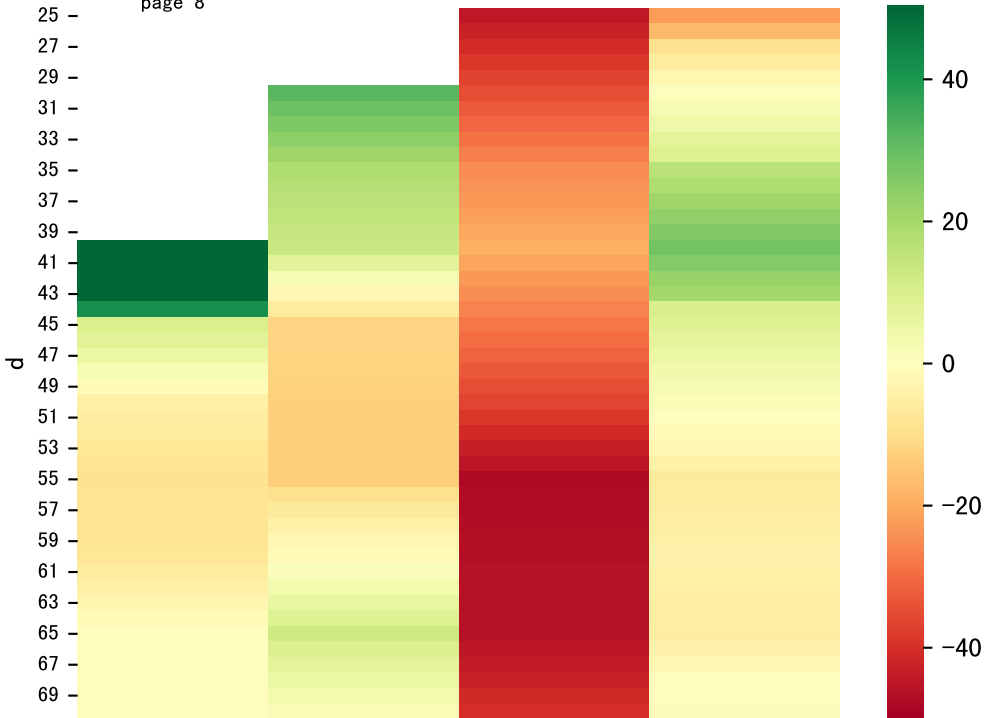
DeltaTypeAbbr=Wei AvgByD

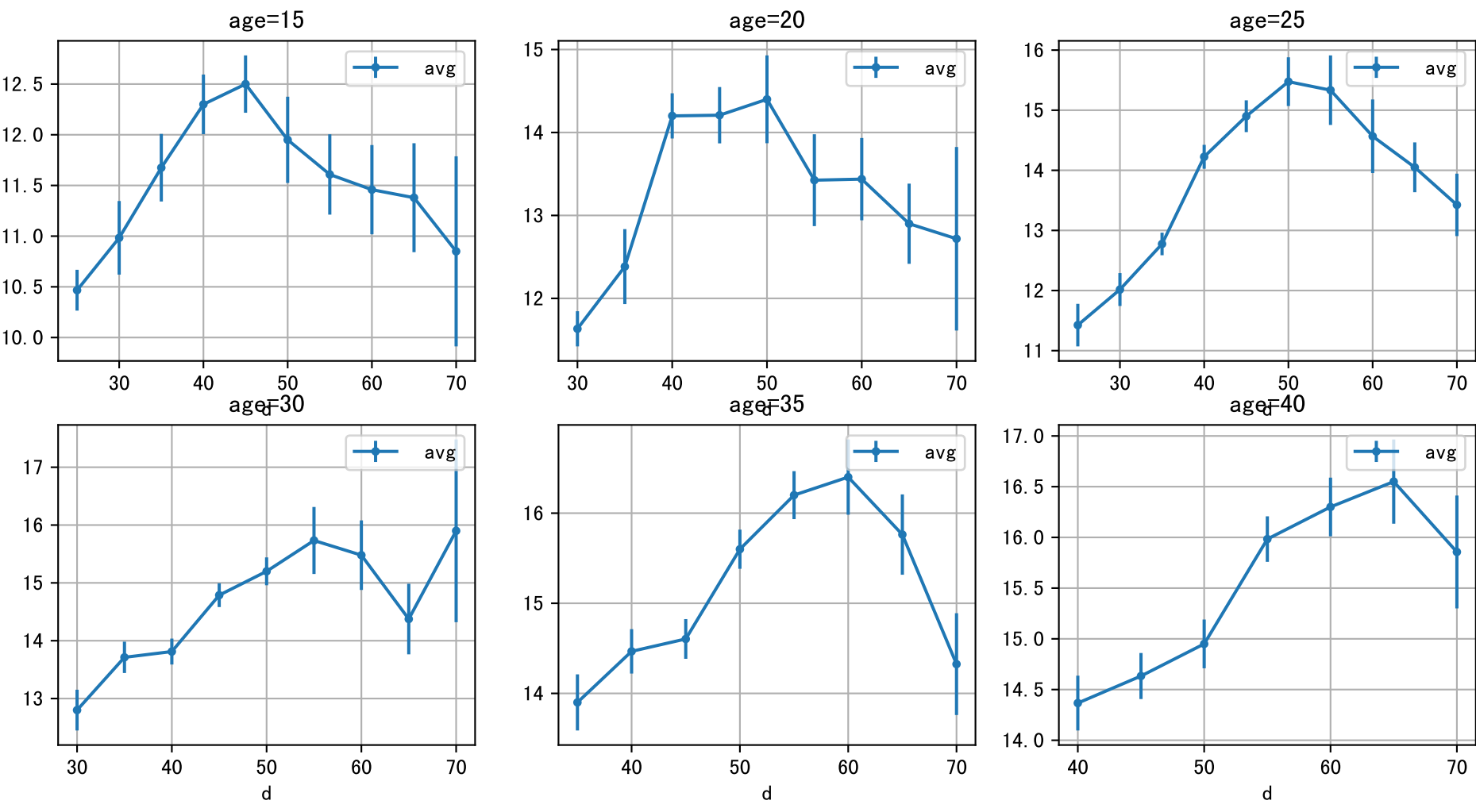
page 6



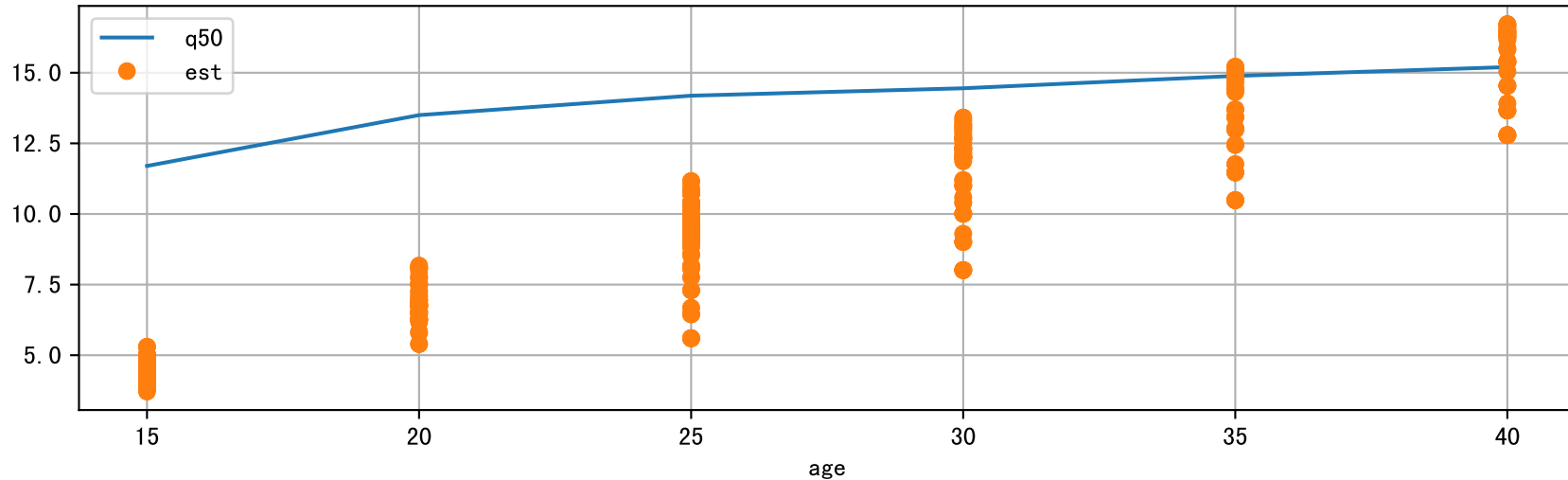
LfA: sfDem



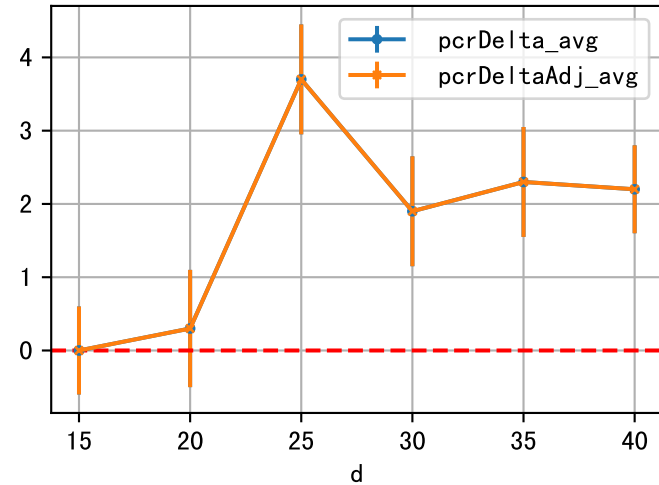




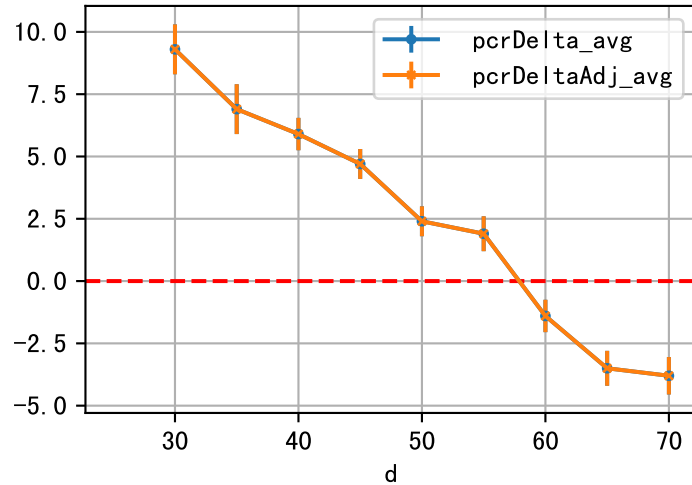
NdD: model est vs obs0v@Q50



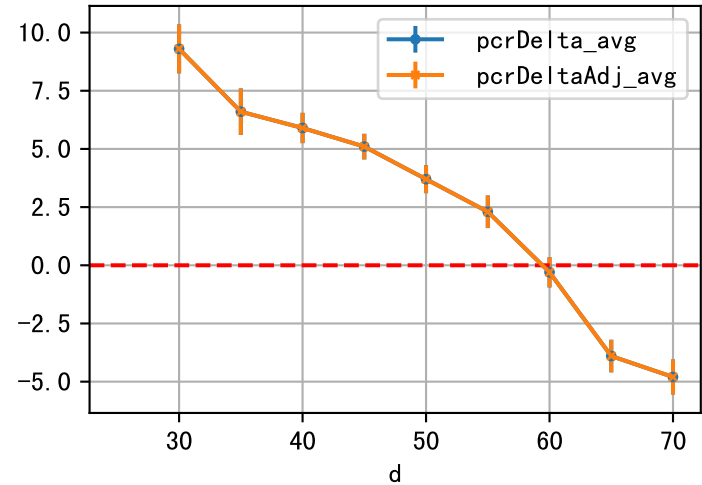
DeltaTypeAbbr=GrpByAge



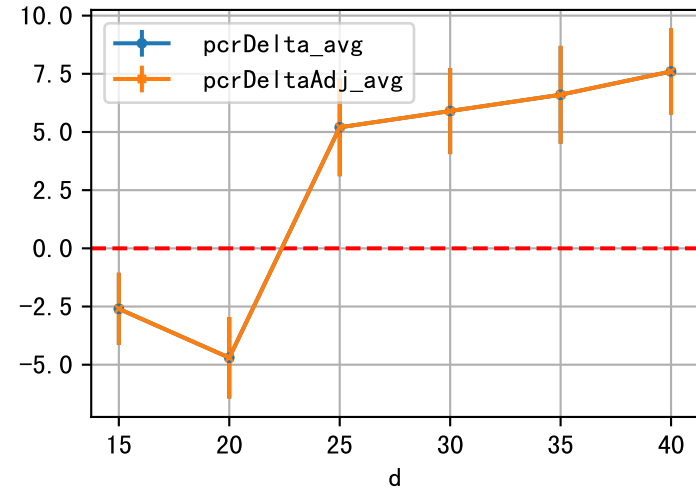
DeltaTypeAbbr=GrpByDay



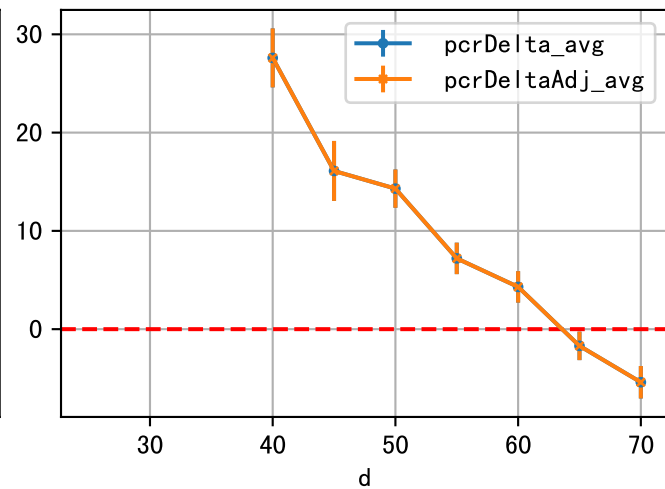
DeltaTypeAbbr=Wei AvgByD



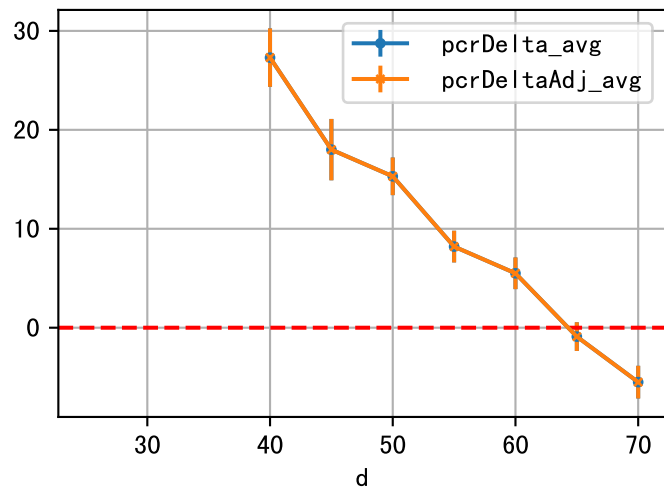
DeltaTypeAbbr=GrpByAge



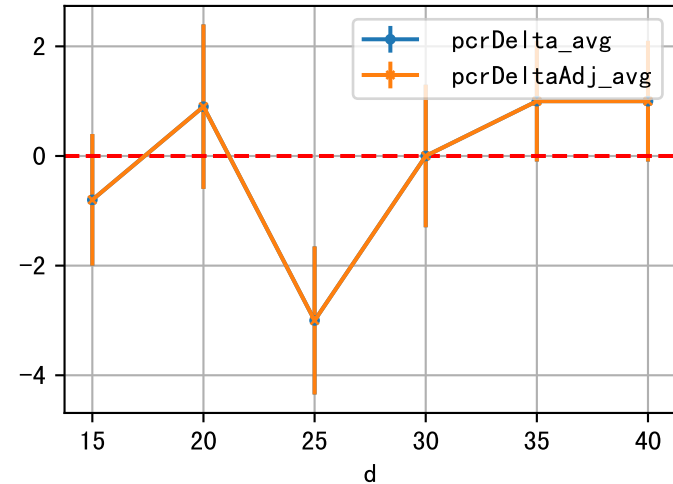
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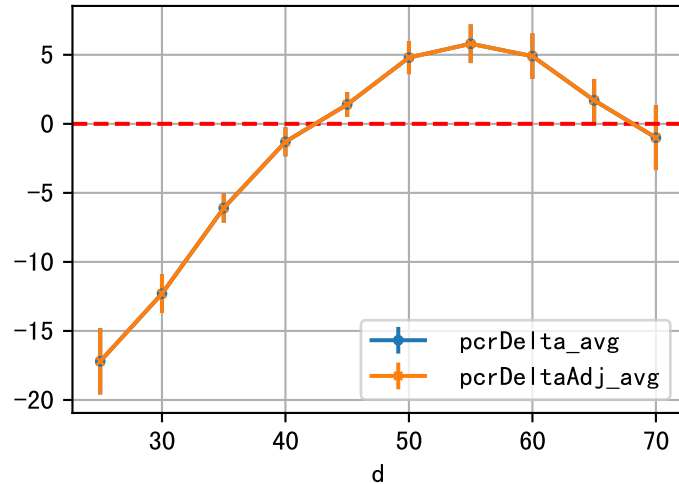
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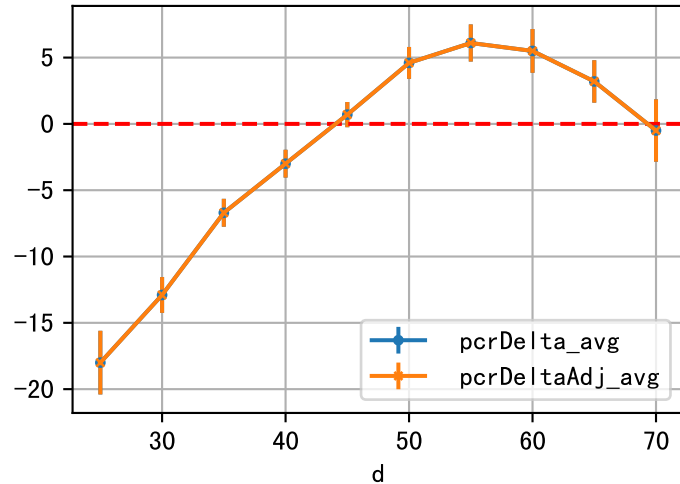
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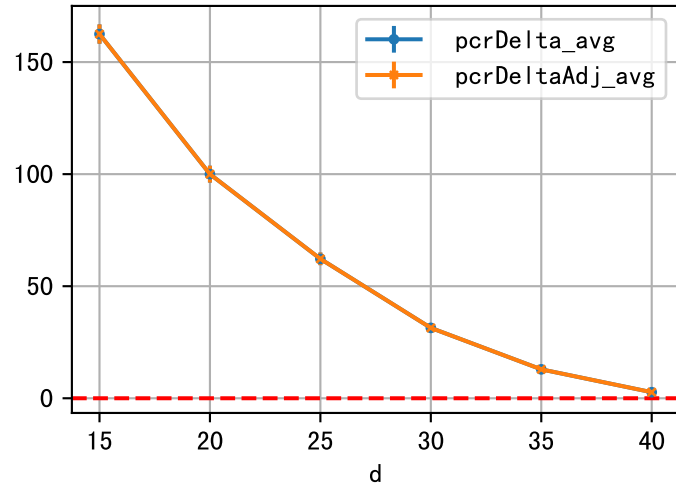
DeltaTypeAbbr=GrpByDay



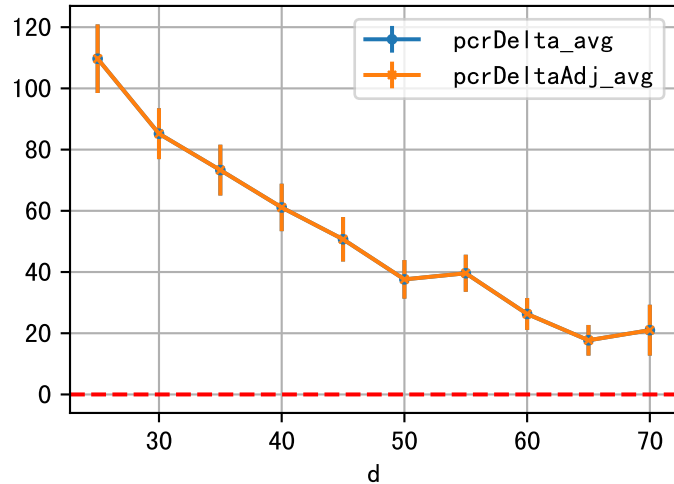
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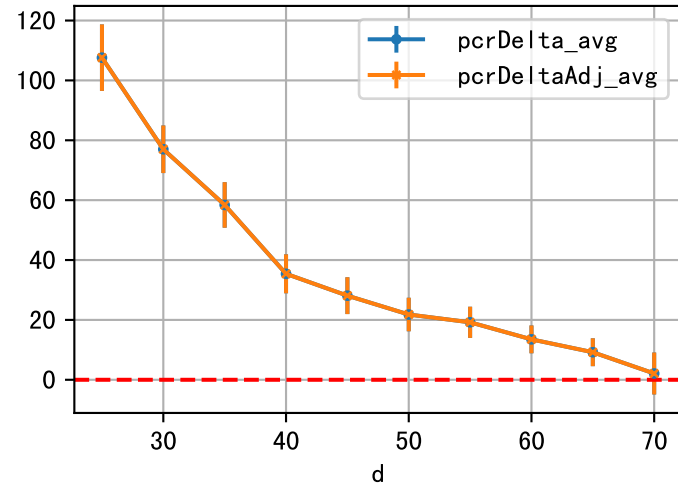
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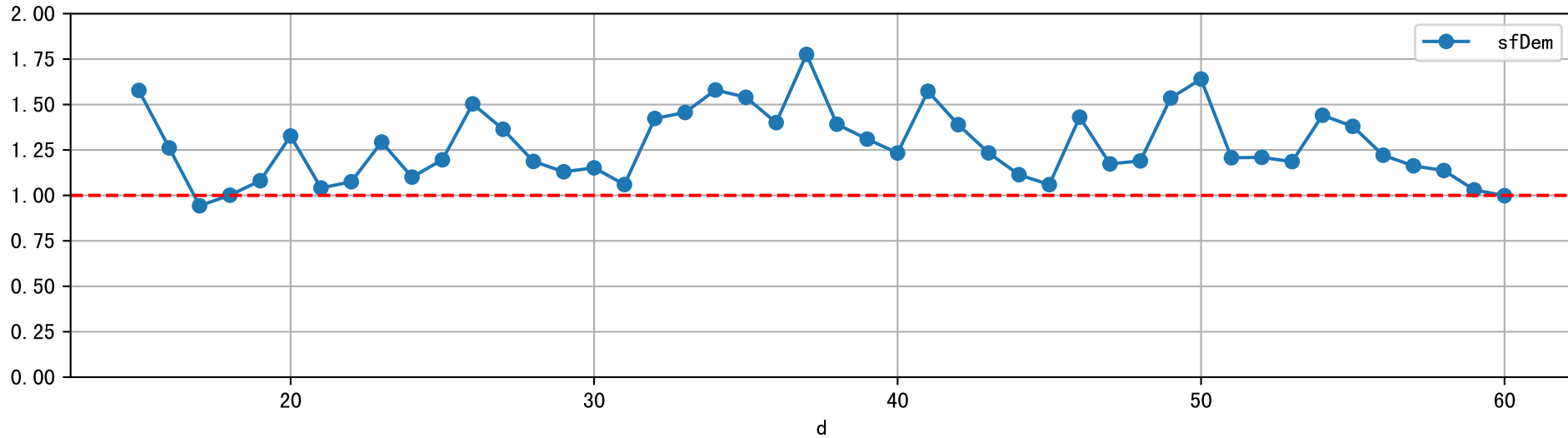
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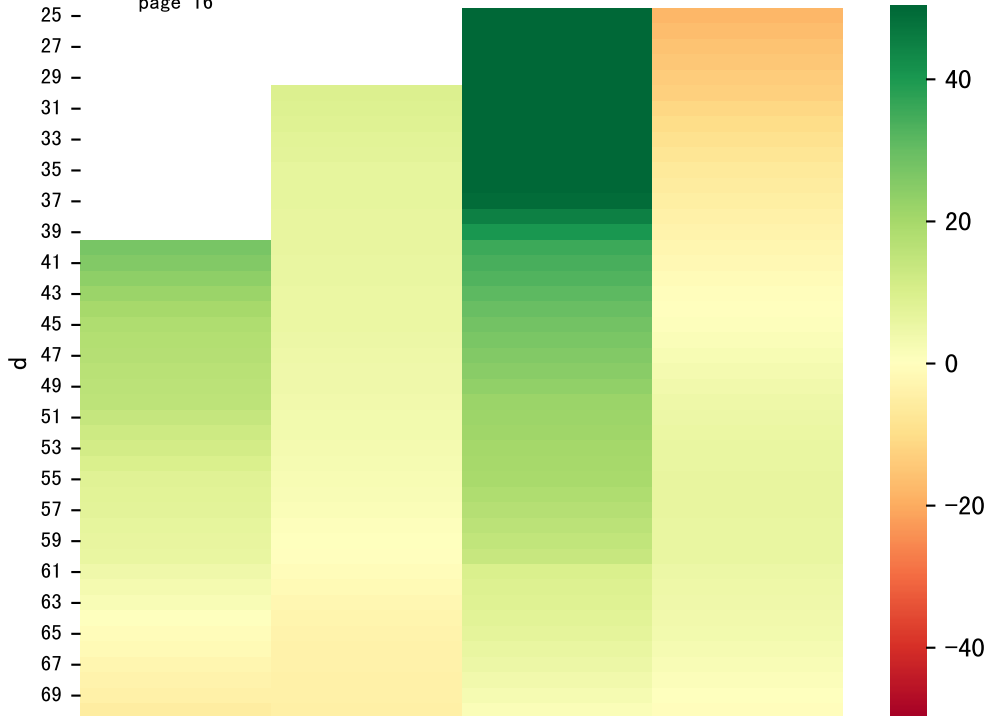


DeltaTypeAbbr=Wei AvgByD

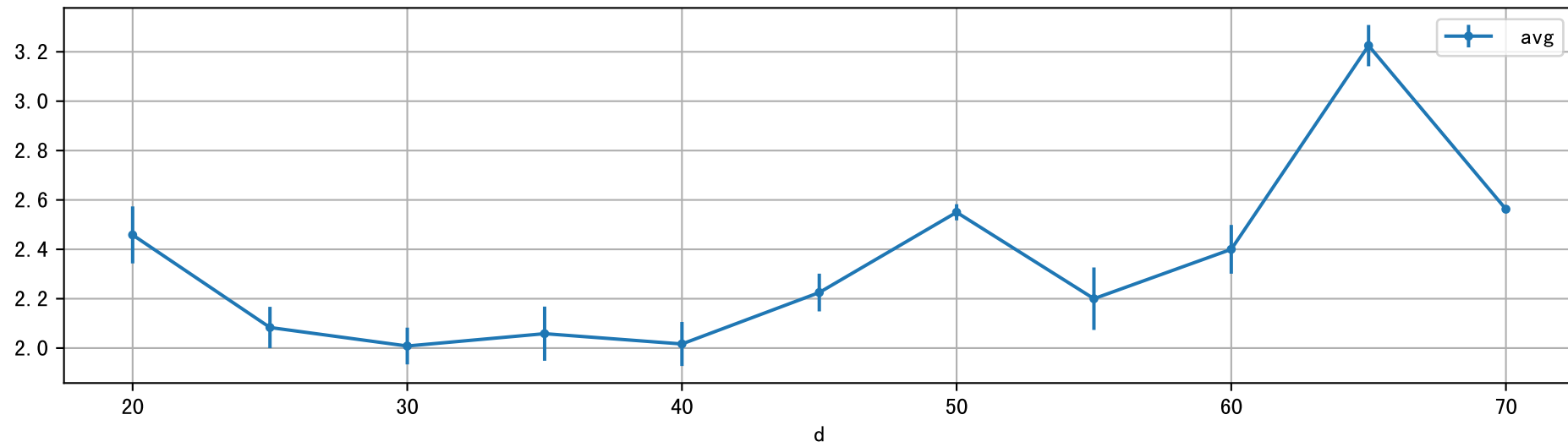


NdD: sfDem

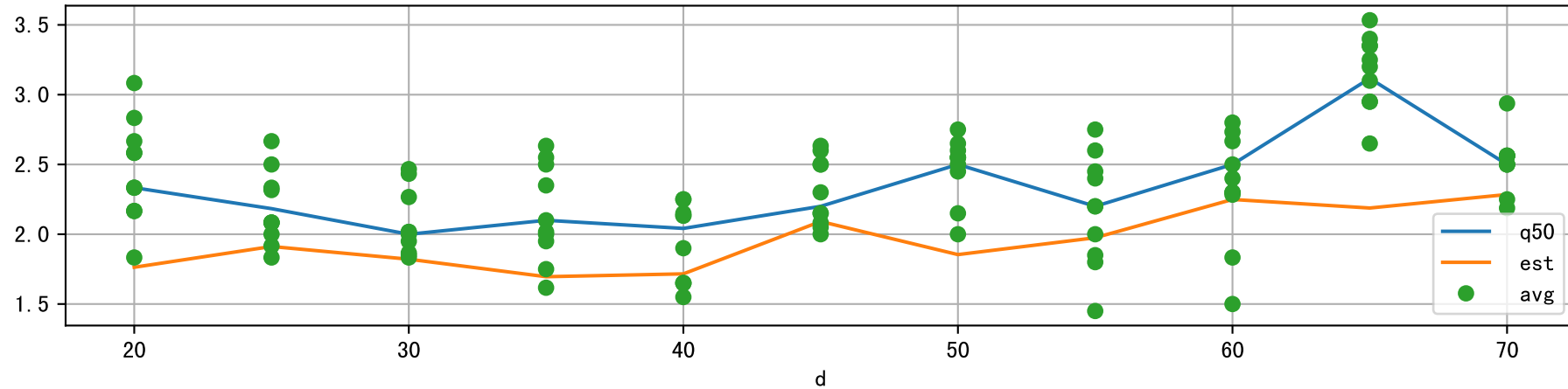




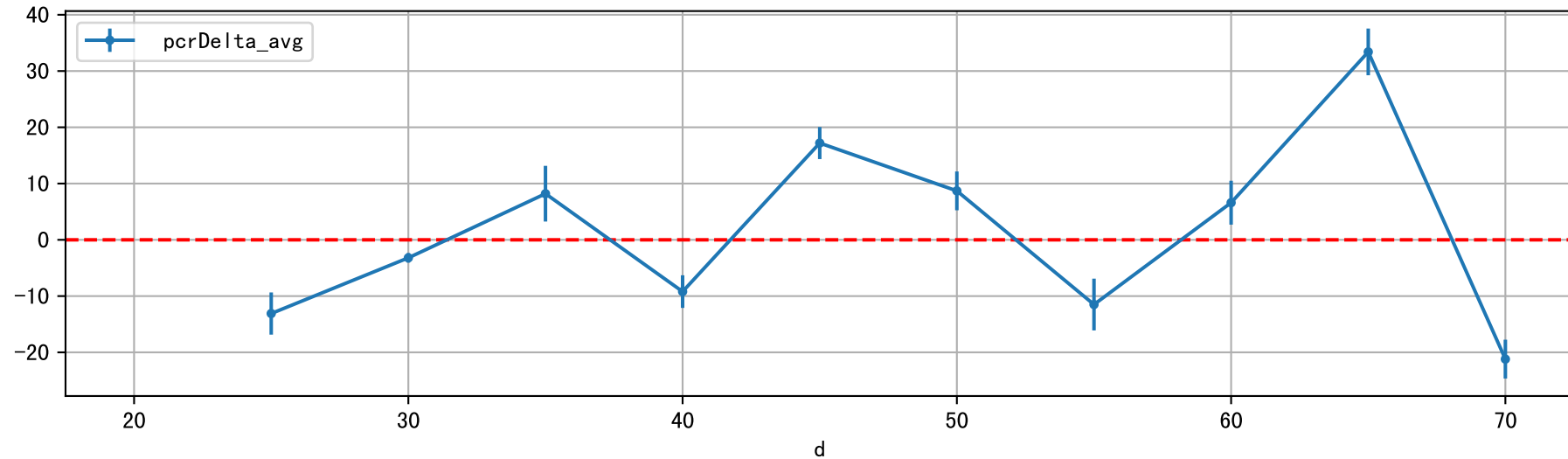
dStH: avg vs. d



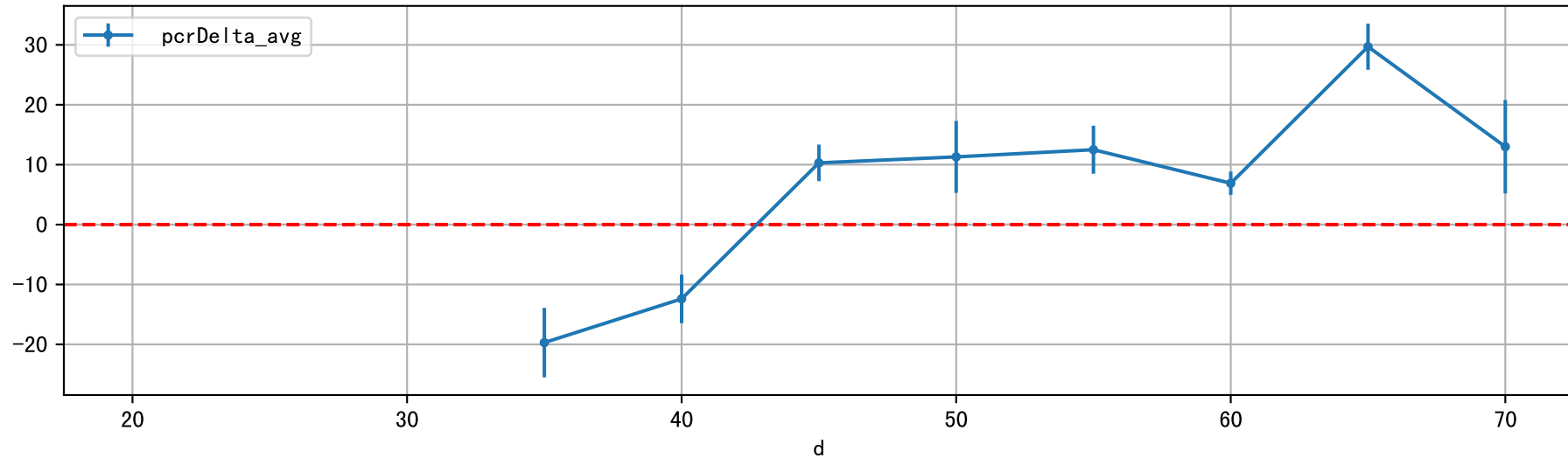
dStH: obsAvg vs obs0v@Q50



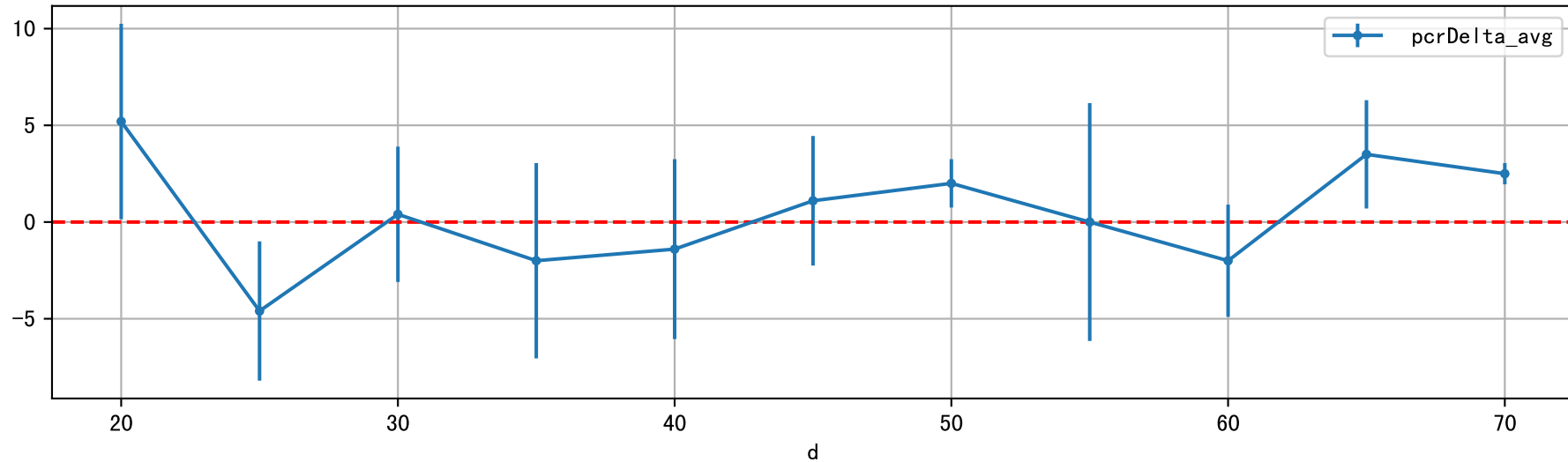
dStH: D_5d_StH



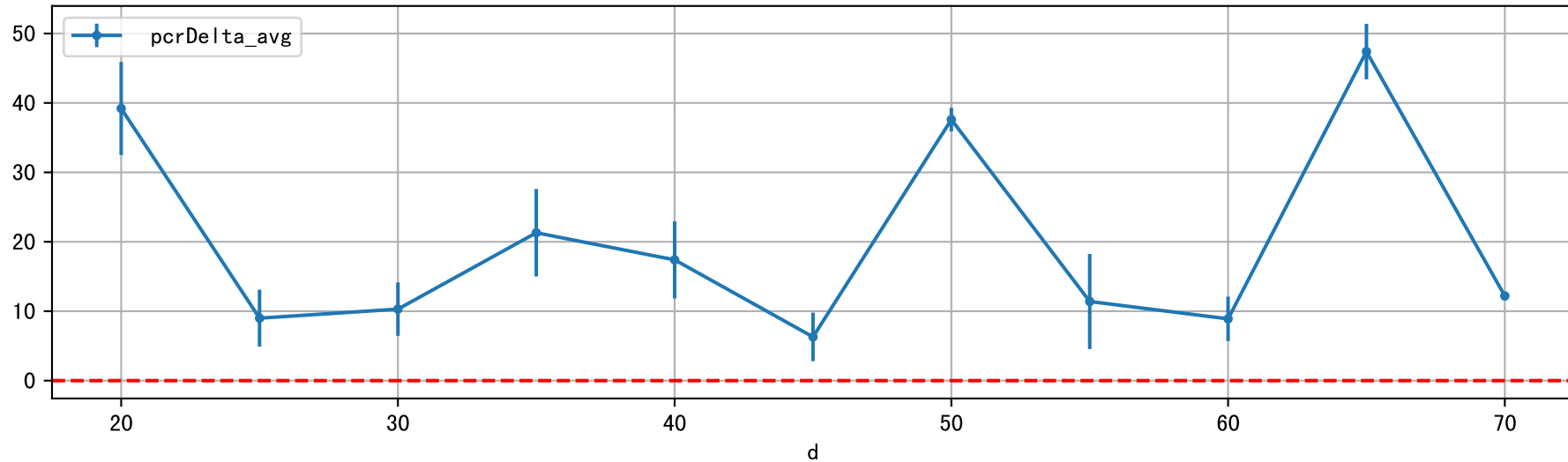
dStH: D_15d_StH



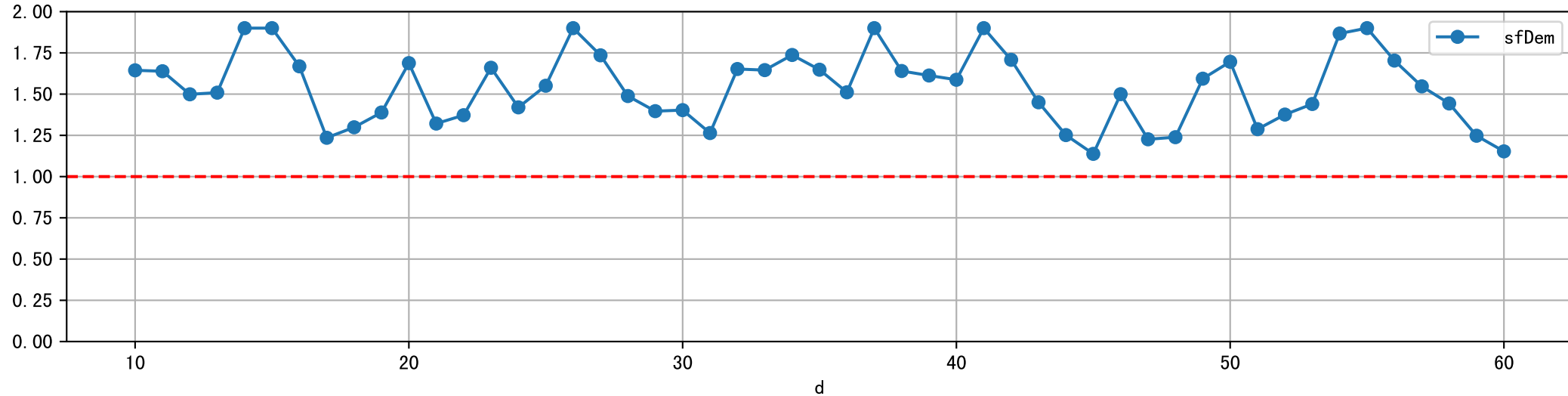
dStH: D_Q50_StH

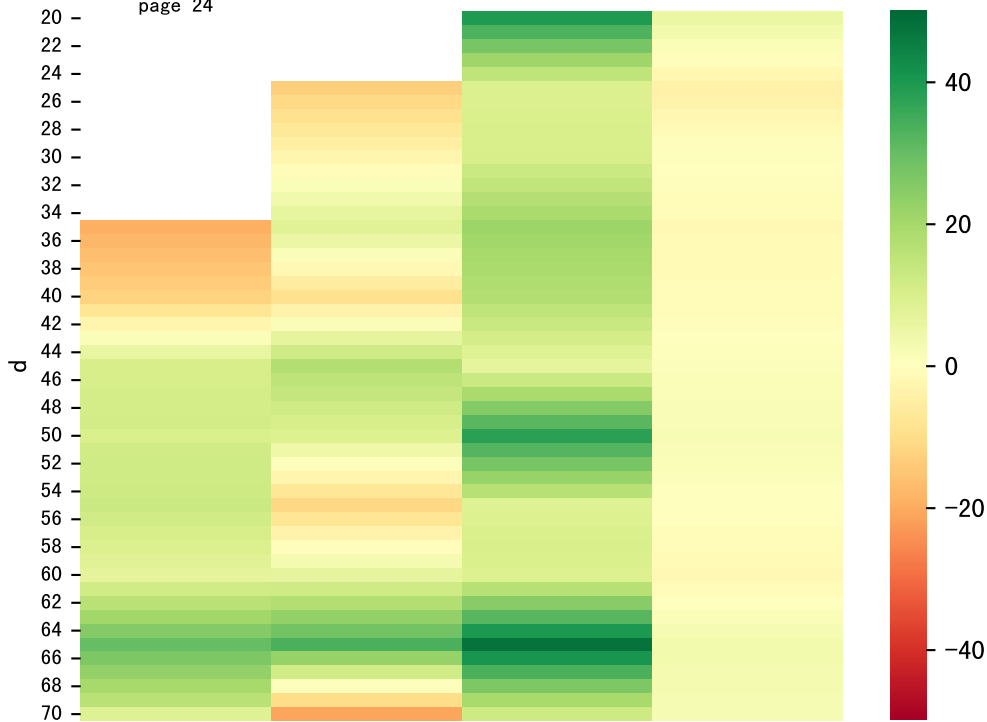


dStH: D_Est_StH



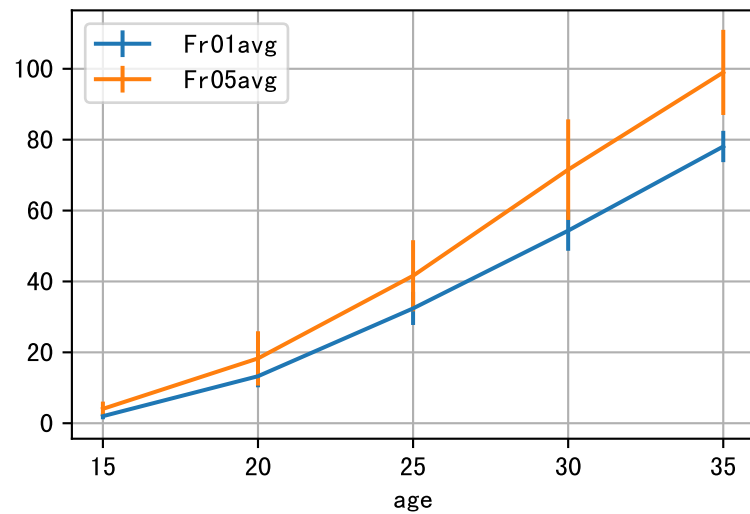
dStH: sfDem



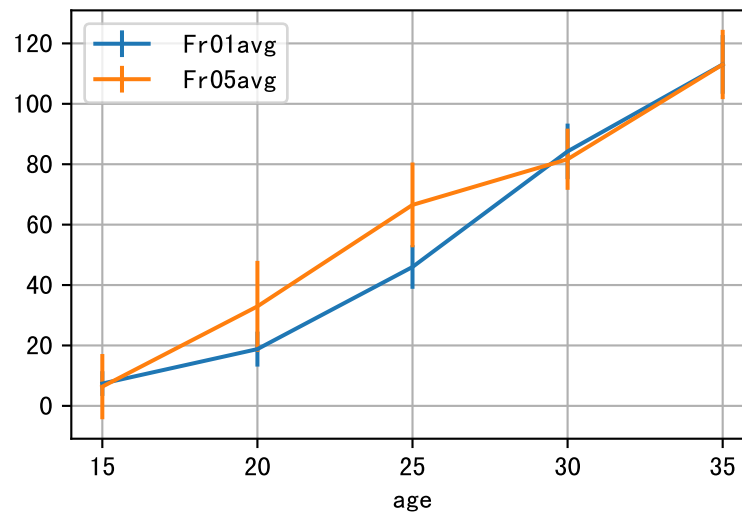


FrV: Fr01 vs Fr05 at each truss

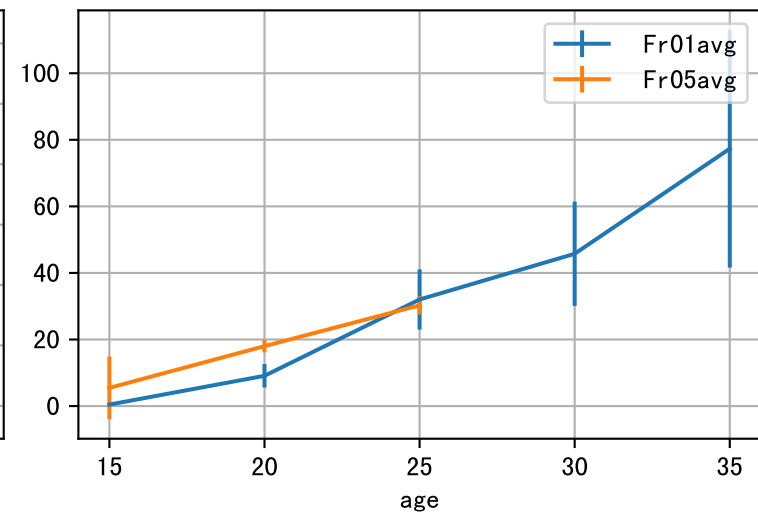
organID=T01



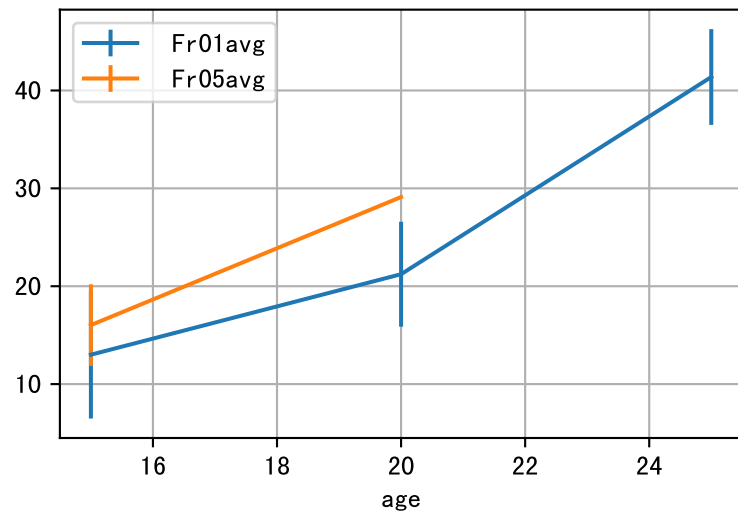
organID=T02



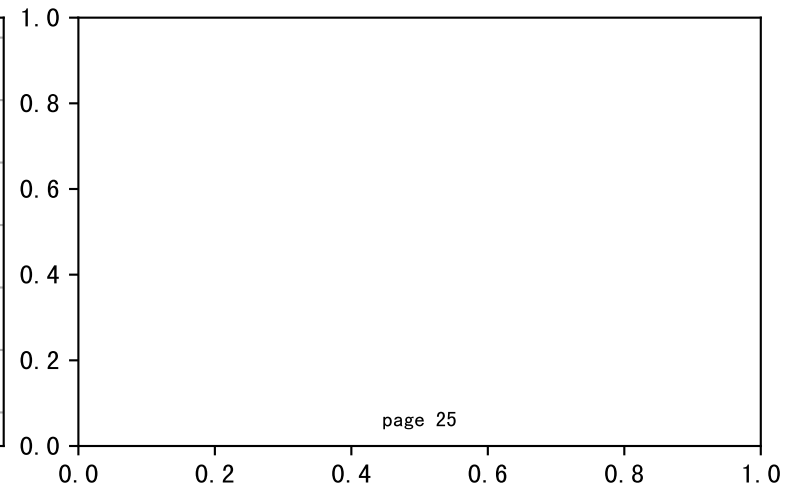
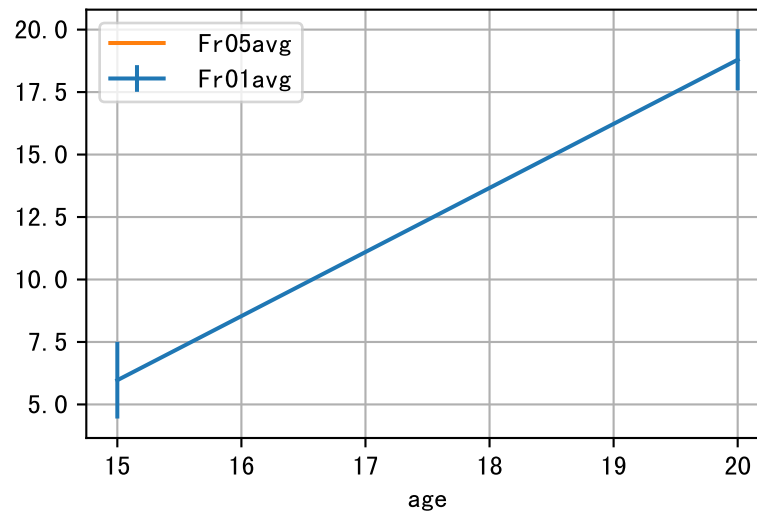
organID=T03



organID=T04

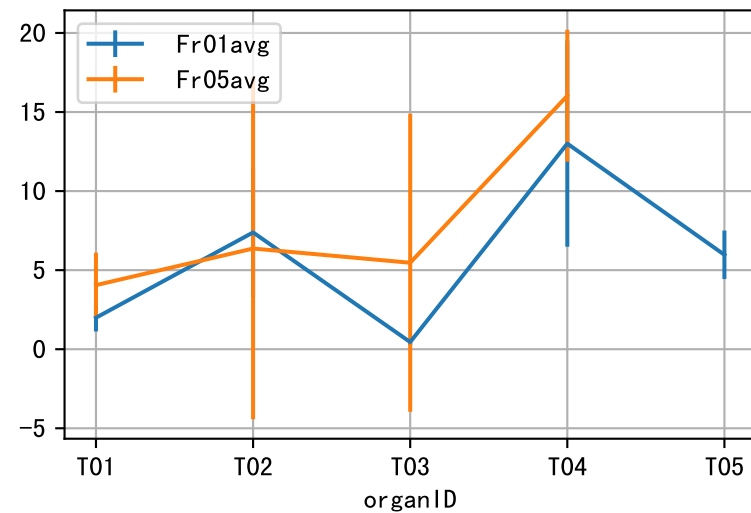


organID=T05

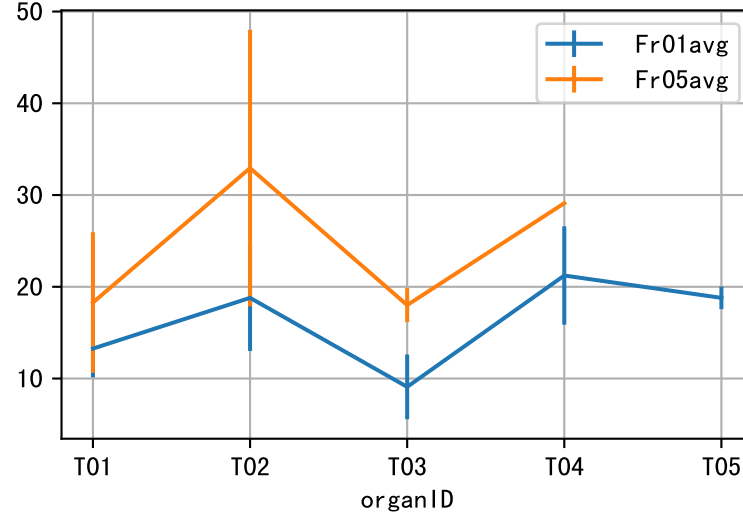


FrV trend at each age

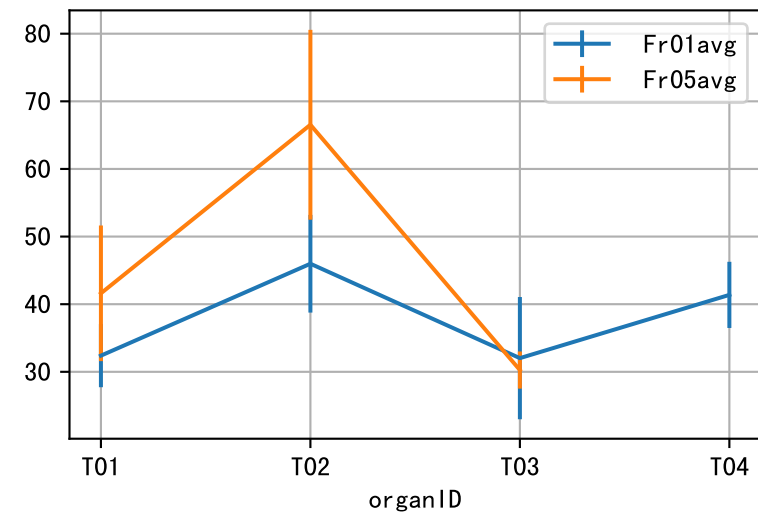
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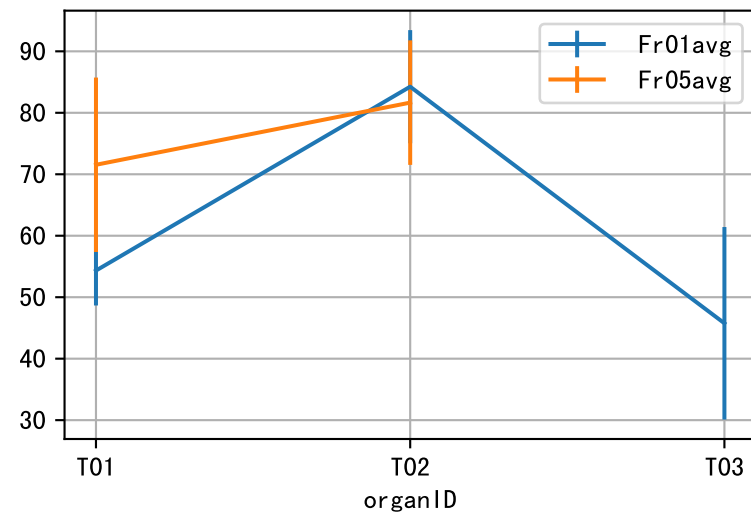
age=20



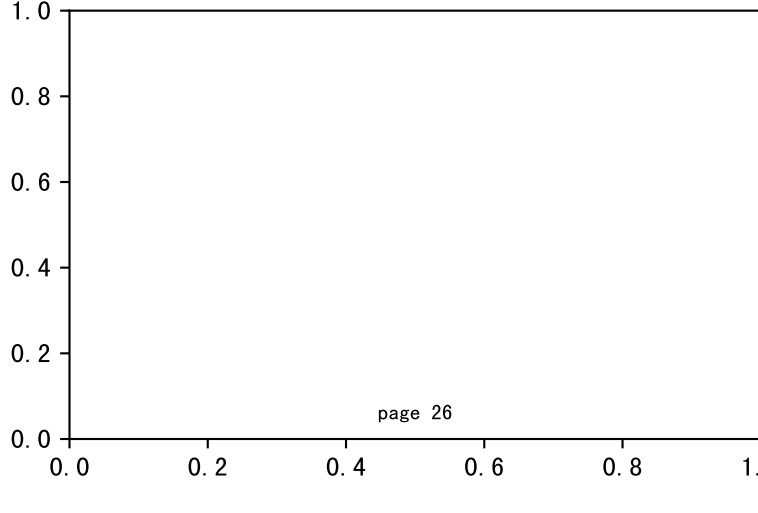
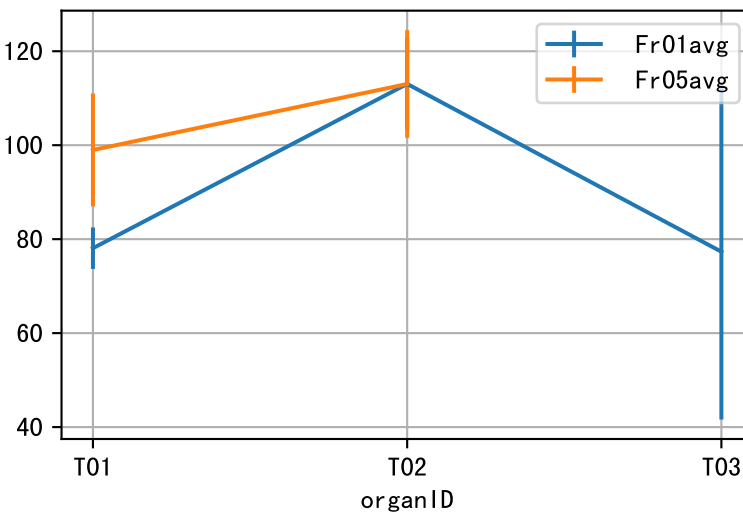
age=25



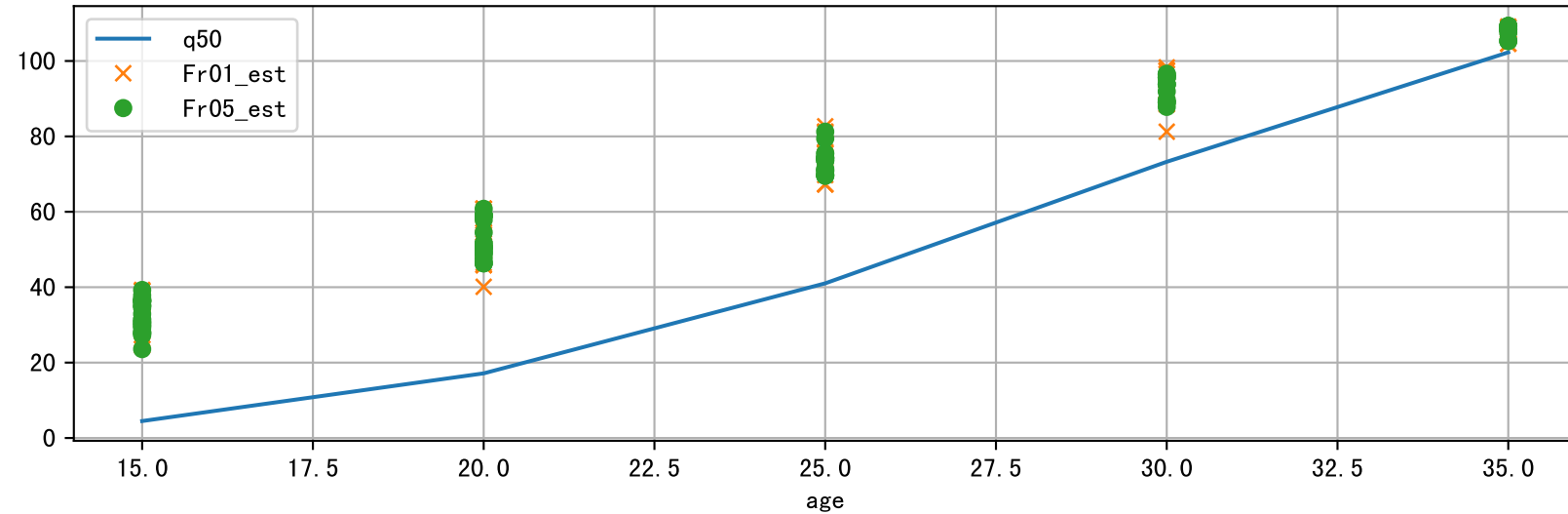
age=30



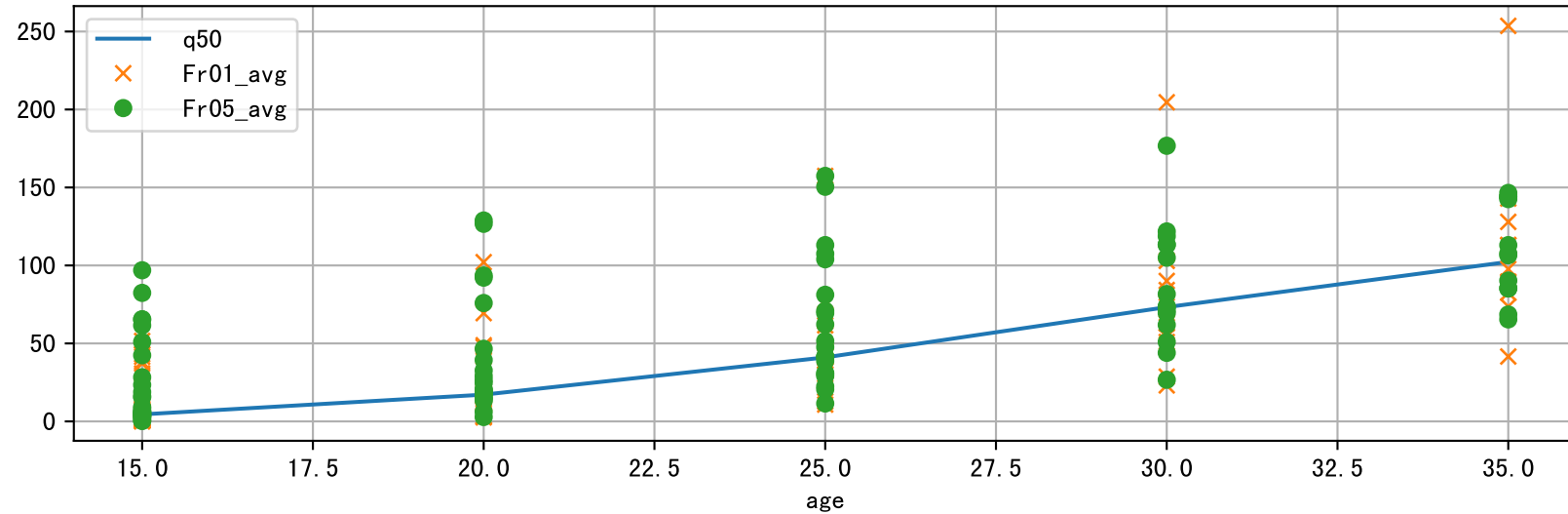
age=35



FrV: model Est vs obsFrV at Q90

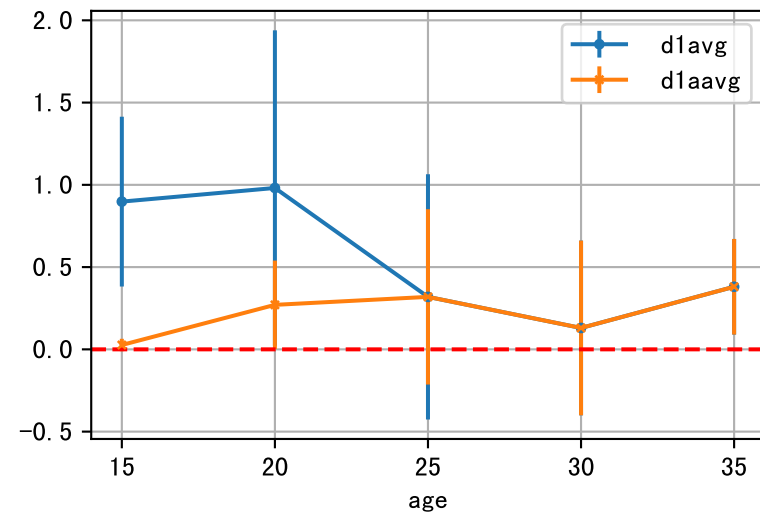


FrV: obsFrV vs obsFrV@Q90

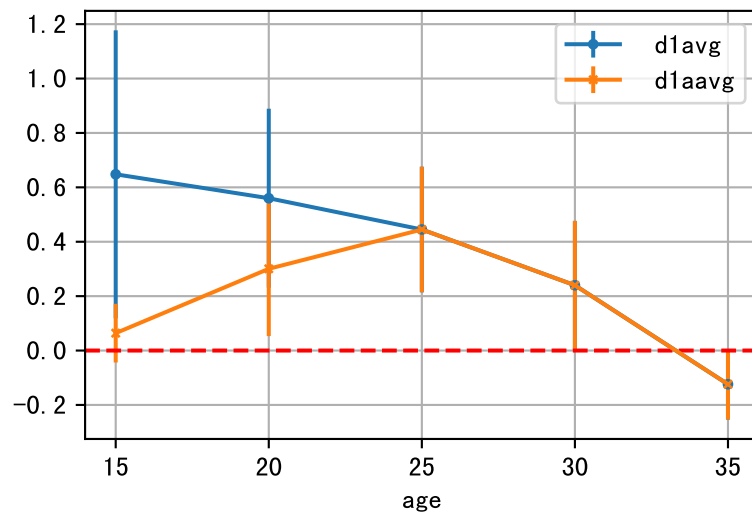


FrV: D_Fr1_FrV

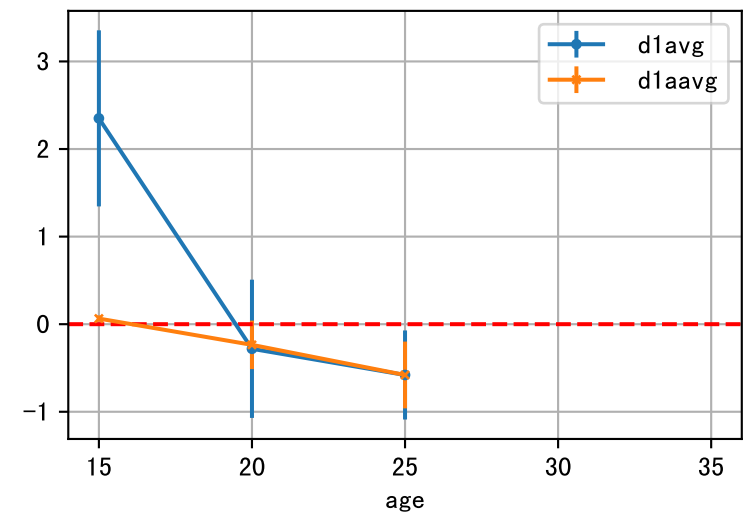
organID=1



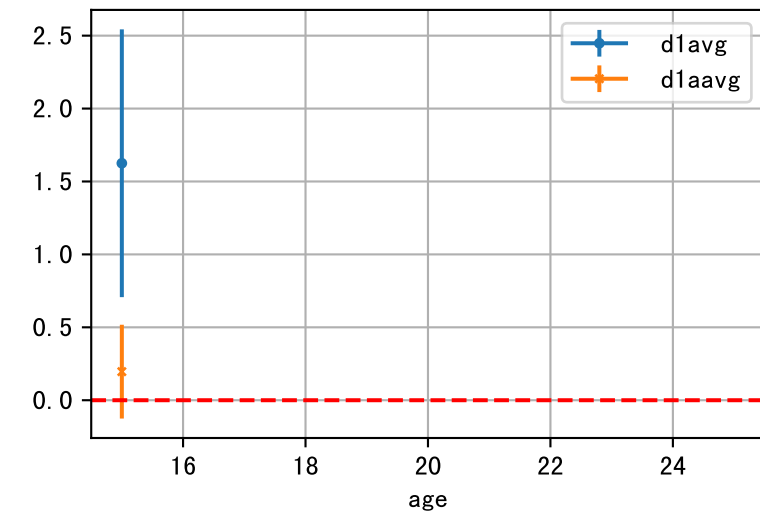
organID=2



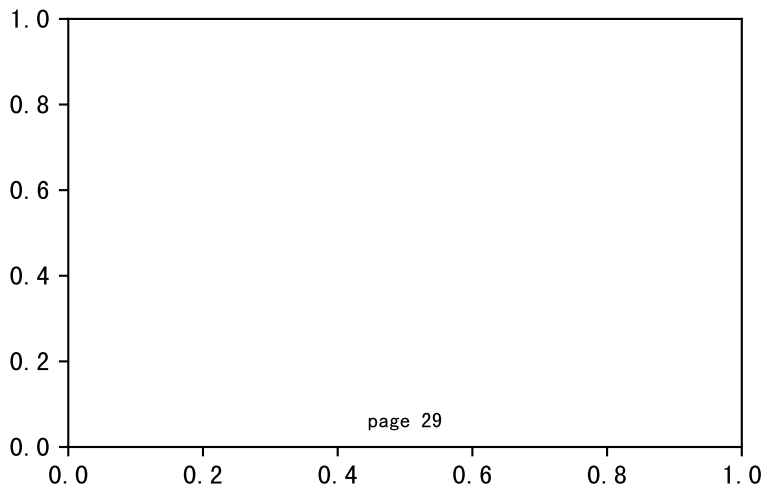
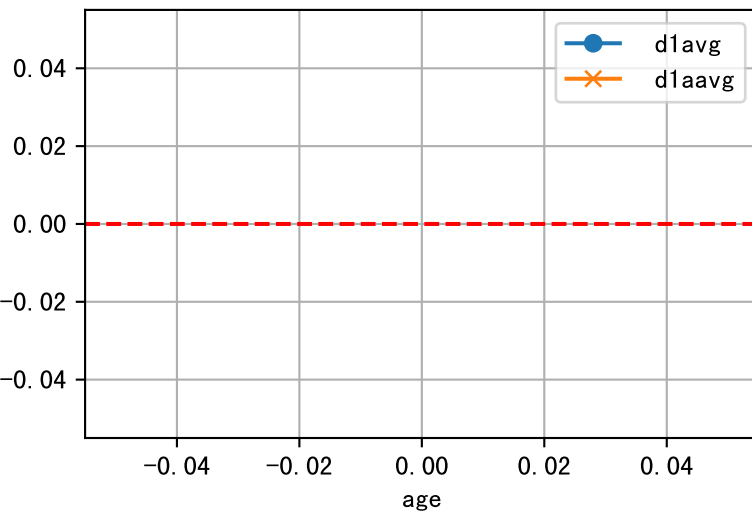
organID=3



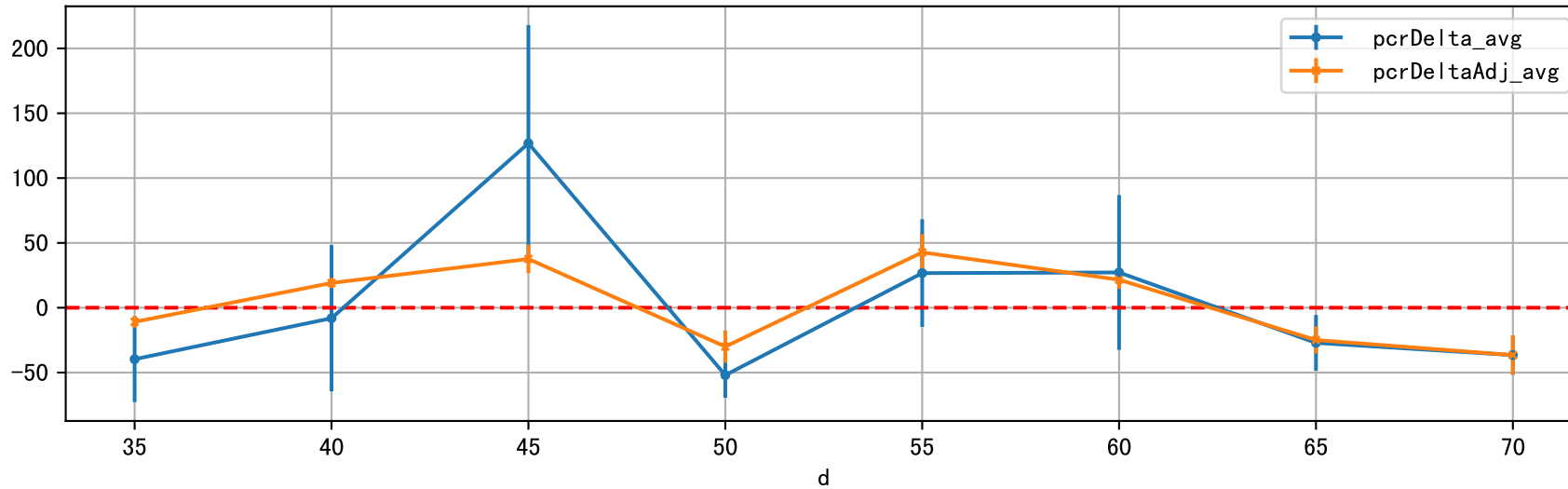
organID=4



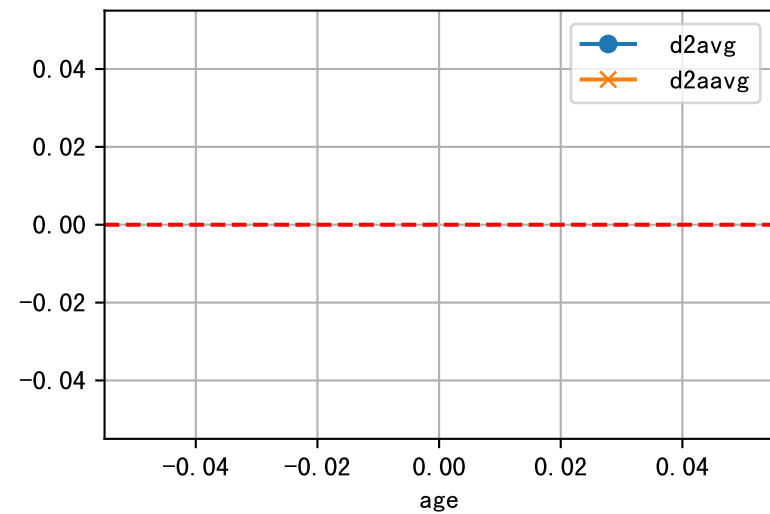
organID=5



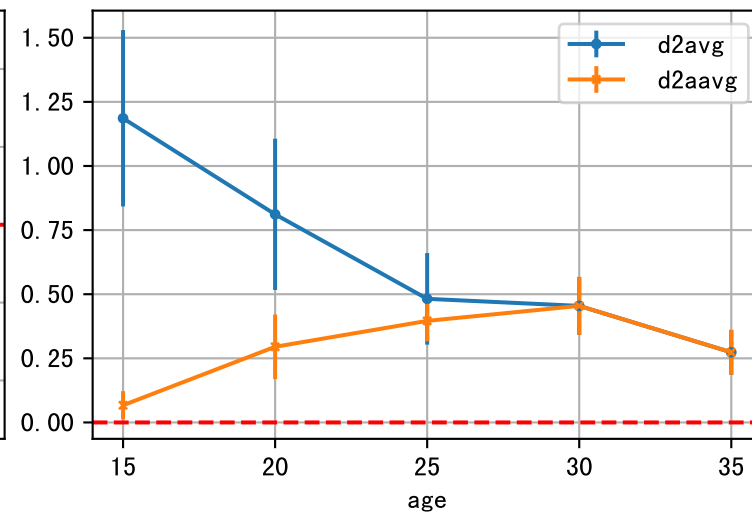
P3-6 FrV: D_Fr1_FrV



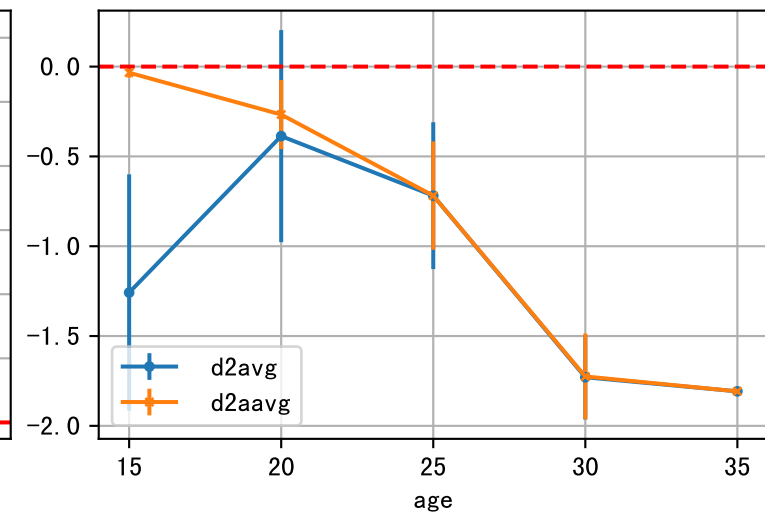
organID=1



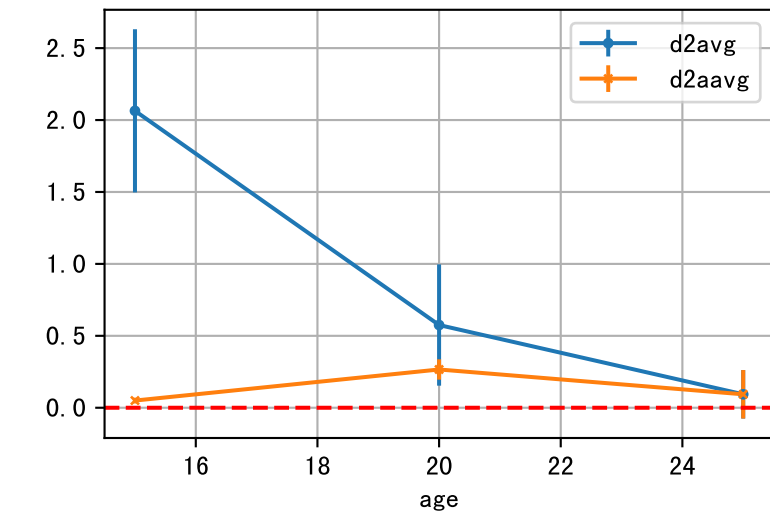
organID=2



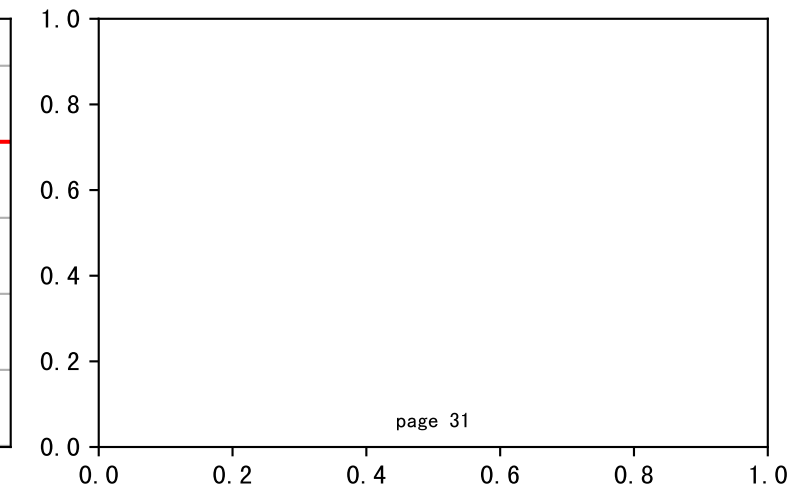
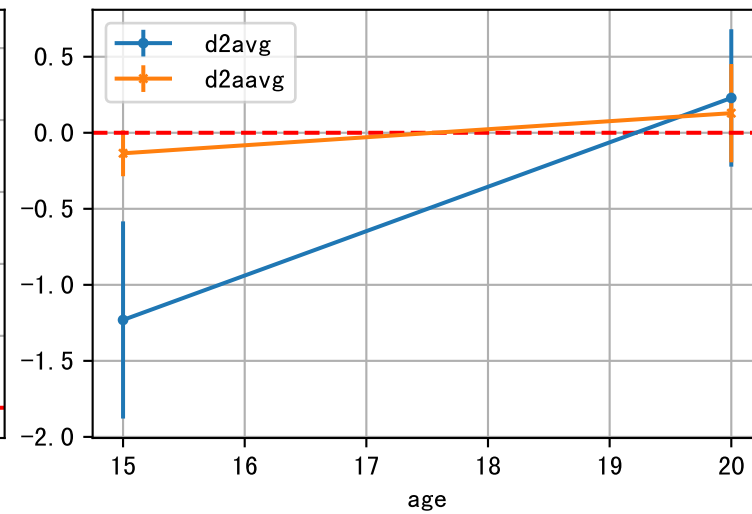
organID=3



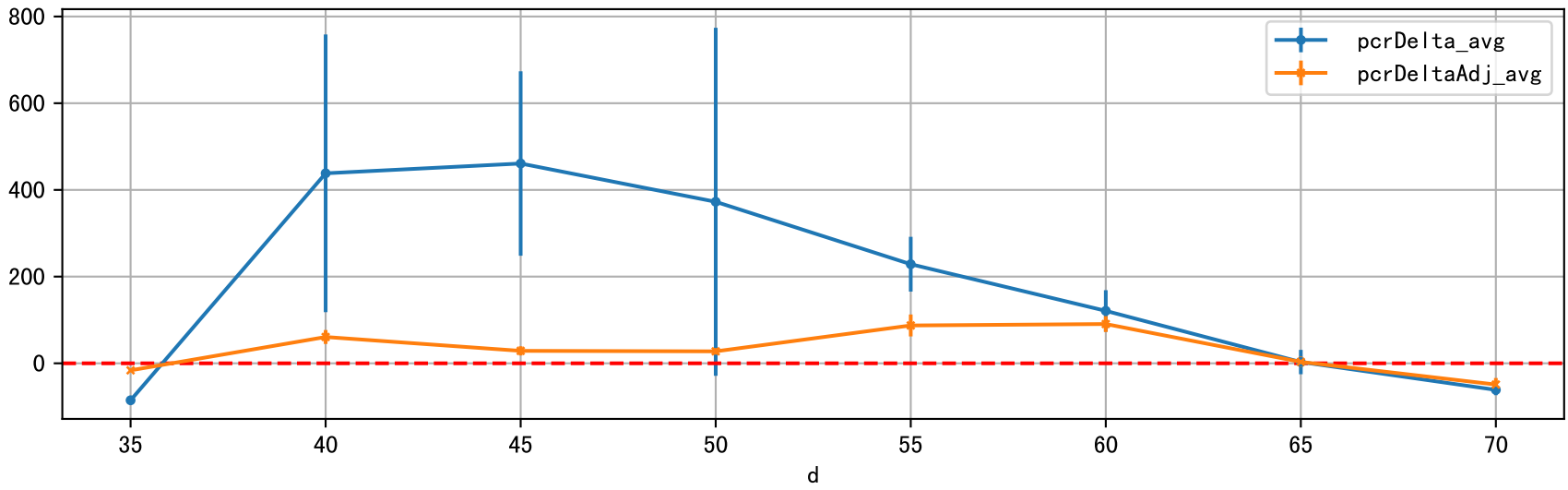
organID=4



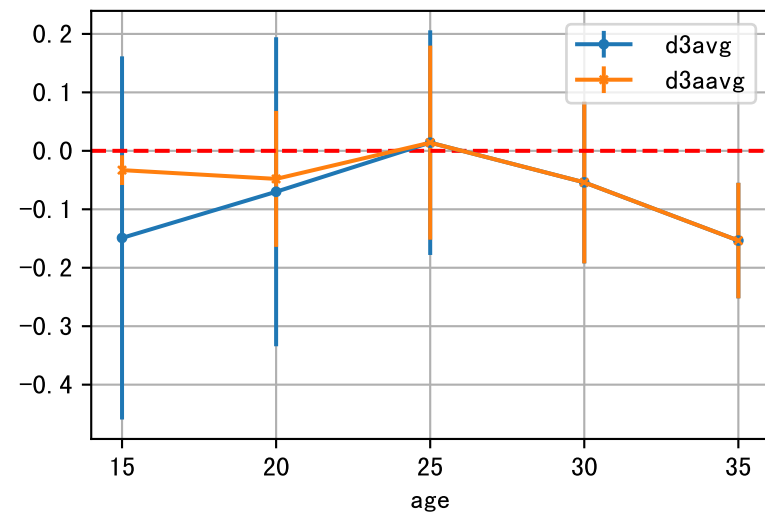
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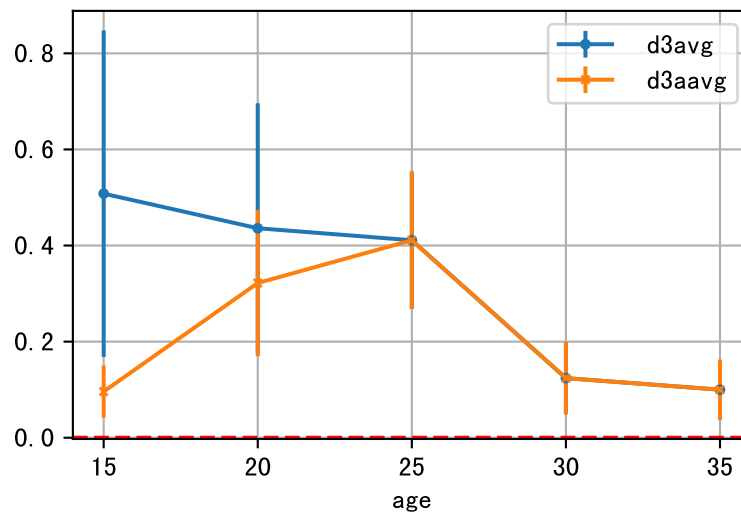
P3-6 FrV: D_Ts_FrV



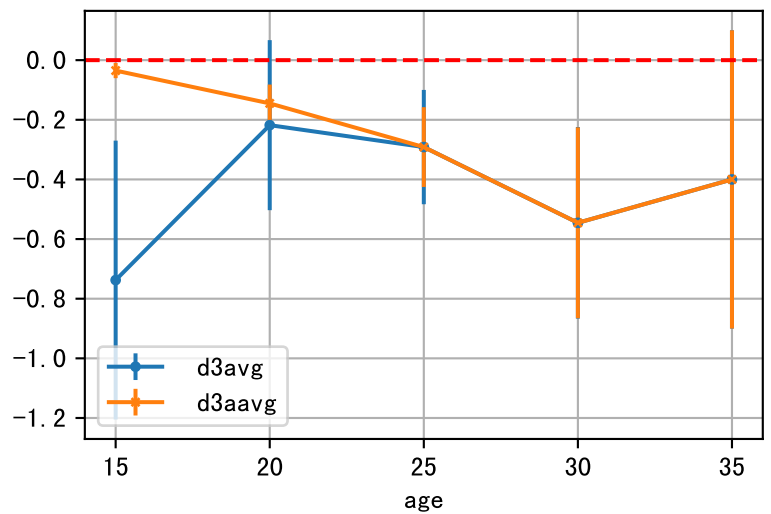
organID=1



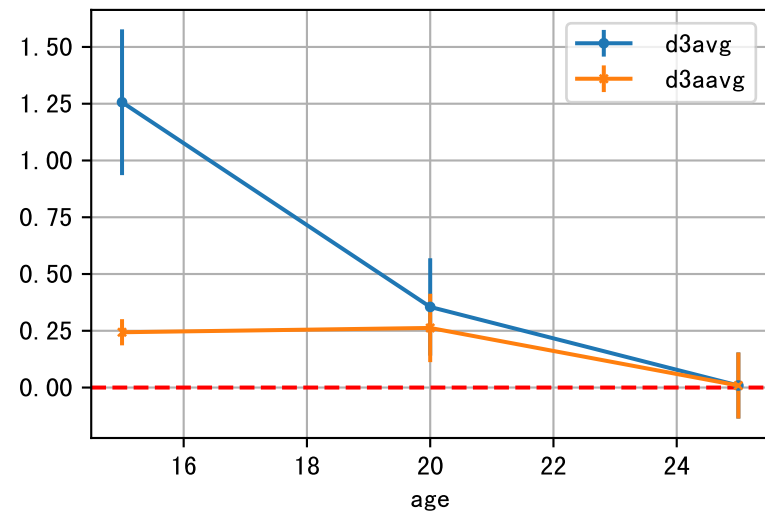
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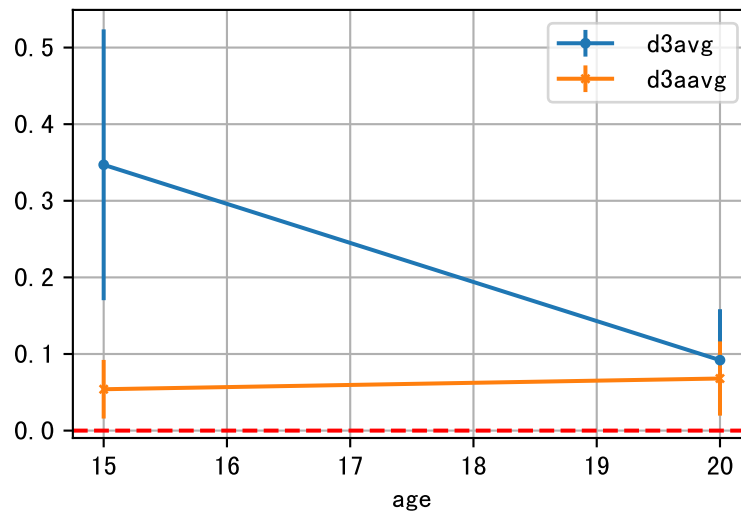
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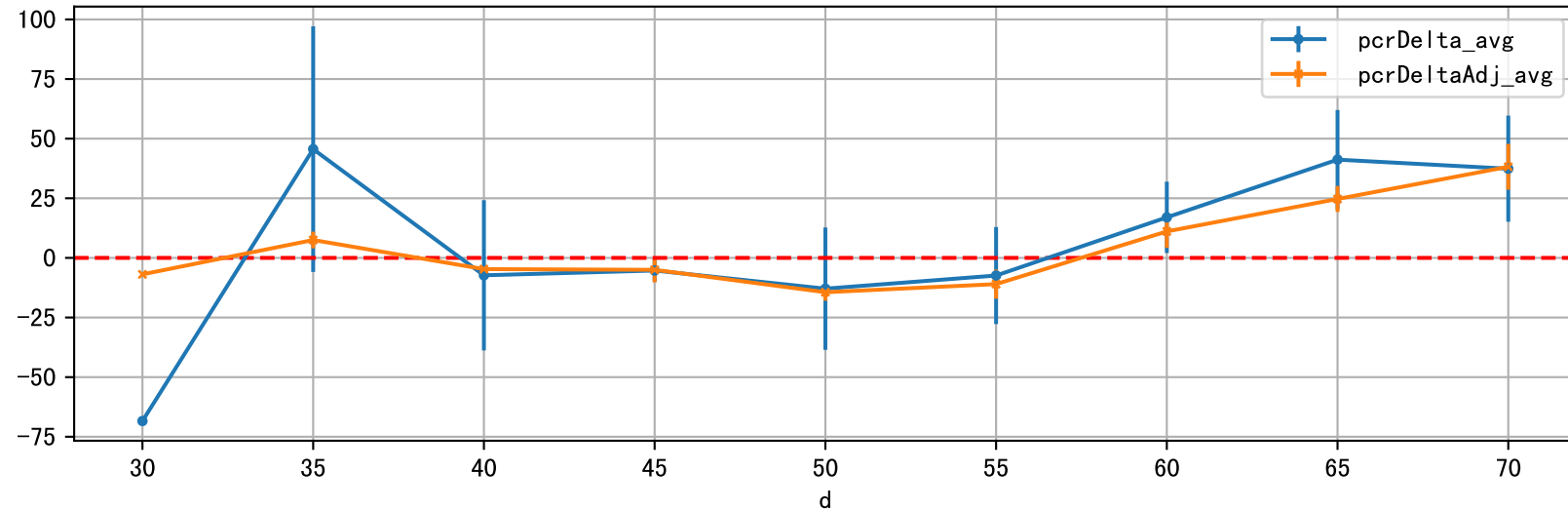
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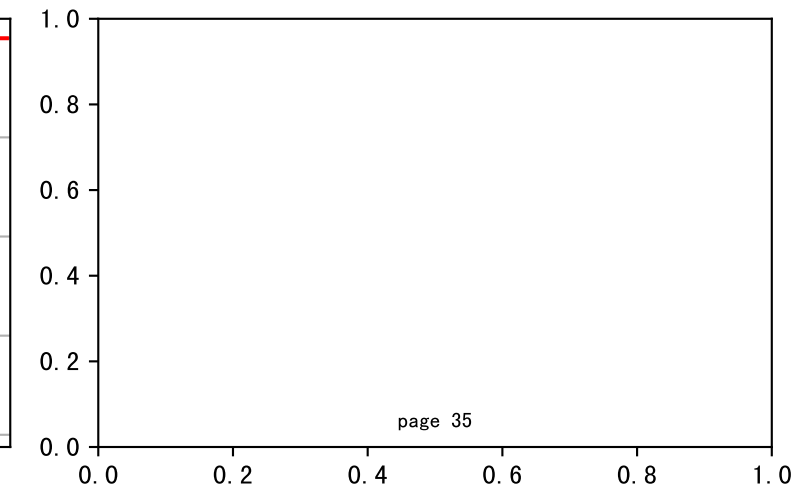
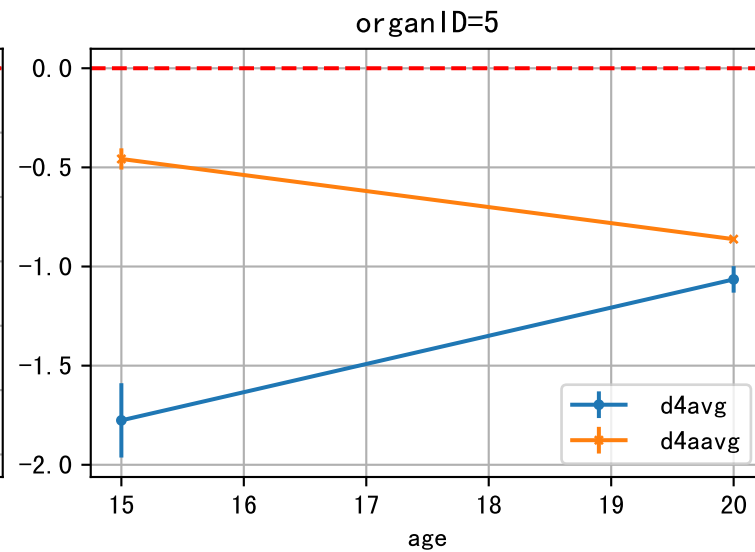
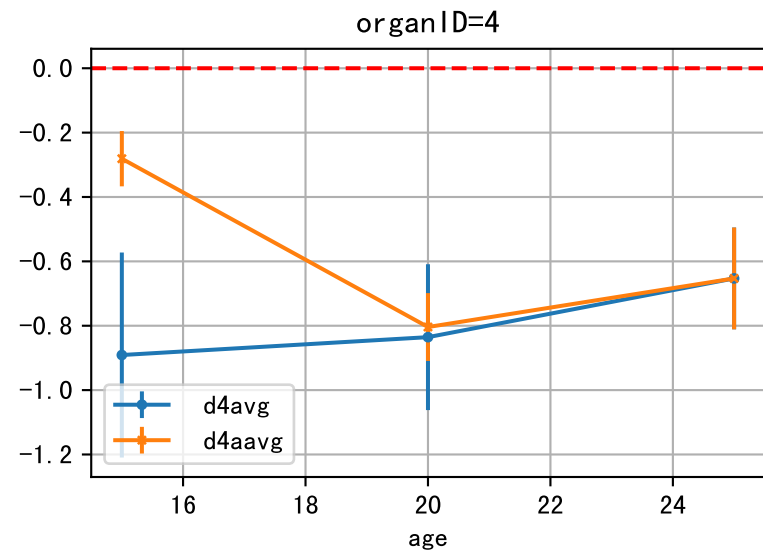
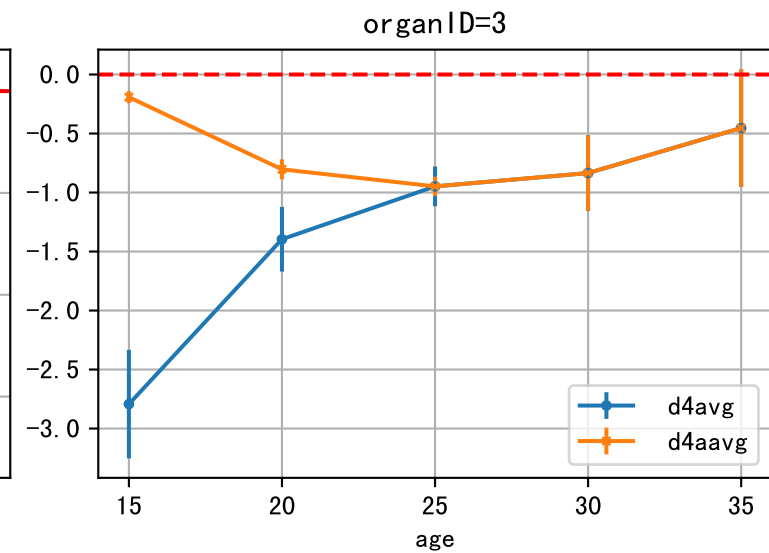
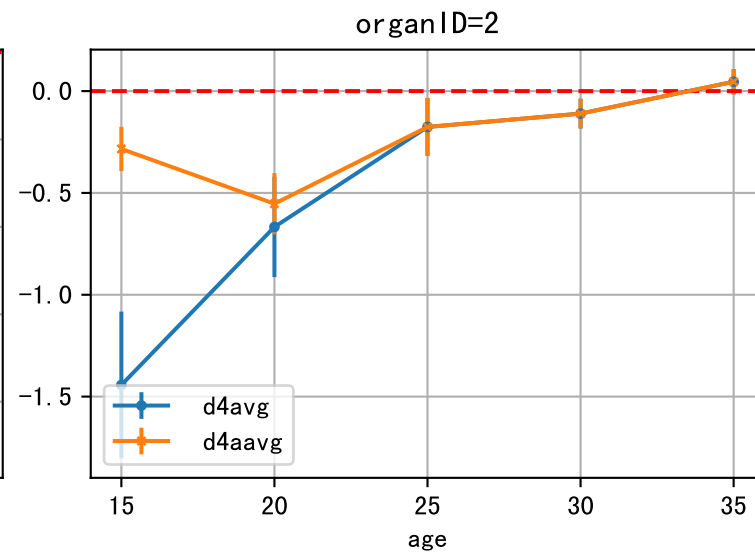
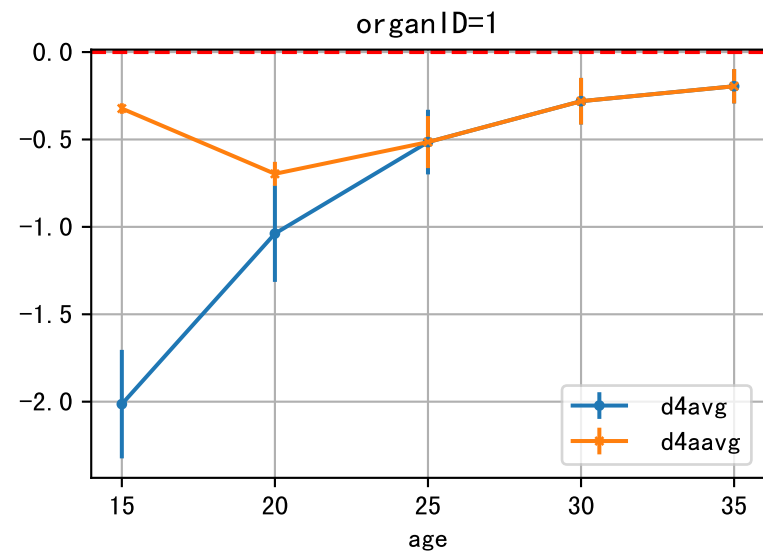
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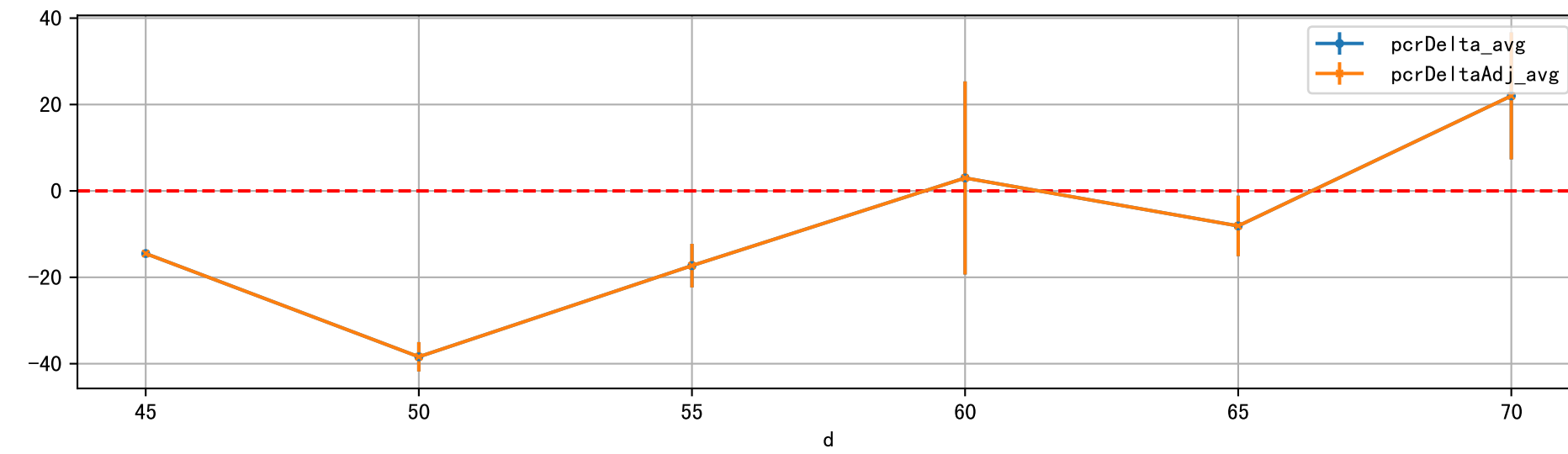
P3-6 FrV: D_Q50_FrV



FrV: D_Est_FrV



P3-6 FrV: D_Est_FrV



P3-6 FrV: sfDem

