Unbounded Theta aDDM (unbounded)

* Theta fit in range [0,2].
* NLL calculated for each subject, then summed across subjects.
* Gain NLL: 13064.88
* Loss NLL: 13649.9
* A graph of loss and loss

  Description automatically generated

Additive Attention Model (add)

* Gains
  + NLL: 13063.06
  + across subjects
  + T-test of NLL unbounded - NLL additive: mean=.14, p=.74
* Losses
  + NLL: 13636.25
  + across subjects
  + T-test of NLL unbounded – NLL additive: mean = 1.05, p=.26
* Didn’t bother plotting the estimates.

Goal Relevant Model (goal)

* Gains
  + NLL: 13073.26
  + across subjects
  + T-test of NLL unbounded - NLL goal: mean=-.6, p=.01
* Losses
  + NLL: 13598.44
  + across subjects
  + T-test of NLL unbounded – NLL goal: mean = 3.95, p=.077
* Plots were messed up. Need to fix the code.

Range Normalized Model (range)

* Gains
  + NLL: 12973.01
  + across subjects
  + T-test of NLL unbounded - NLL range: mean=-.8, p=.007
  + T-test of NLL range-normalized – NLL goal: mean=.20, p=.12
* Losses
  + NLL: 13604.61
  + across subjects
  + T-test of NLL unbounded – NLL range: mean = 3.48, p=.01
  + T-test of NLL range-normalized – NLL goal: mean=.47, p=.71
* A group of graphs showing loss and loss

  Description automatically generated

Divisive Normalized Model (div)

* Gains
  + NLL: 12973.01 \*\*\*
  + across subjects
  + T-test of NLL unbounded - NLL div: mean=7.07, p=0
* Losses
  + NLL: 13940.95
  + across subjects
  + T-test of NLL unbounded – NLL div: mean = -22.4, p=.0
* A graph of loss and loss

  Description automatically generated

Range Normalized Plus (RNP; range normalized, with an additional parameter for shifting the starting point of the range)

* Gains
  + NLL: 13057.14
  + across subjects
  + T-test of NLL unbounded - NLL range: mean=.60, p=.06
  + T-test of NLL goal – NLL range: mean=1.24, p=.02
* Losses
  + NLL: 13567.40
  + across subjects
  + T-test of NLL unbounded – NLL range: mean = 6.35, p=.02
  + T-test of NLL goal – NLL range: mean=2.39, p=.07
* 