User Input of Scripts for Article Figures

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May 23, 2023

Contents

1 Figure 2

1.1 Figure 2a:

From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('approachavoid').
For user inputs please enter the following inputs:
i) Enter genotype: CRL: Long Evans
ii) Do you want to analyze only approach trials? (y/n) n
iii) Enter tasktypedone (or enter "all" for all task types): P2L1
iv) Which health types do you want to analyze?
(enter multiple values separated by comma and a space or type 'all' for all types): N/A
v) Start date? 06/16/2022
vi) End date? 06/23/2022
vii) Do you want to split the graph by gender? (y/n) y

1.2 Figure 2d:

From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('entrytime').
For user inputs please enter the following inputs:
i) Enter genotype: CRL: Long Evans
ii) Do you want to analyze only approach trials? (y/n) y
For rest of the user inputs please enter the same inputs as in **Figure 2a**

1.3 Figure 2e:

From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('distanceaftertoneuntillimitingtimestamp').

For user inputs please enter the same inputs as **Figure 2a**

1.4 Figure 2f:

From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('stoppingpts_per_unittravel_method6').
For user inputs please enter the same inputs as **Figure 2a**

1.5 Figure 2g:

From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('bigaccelerationperunittravel').
For user inputs please enter the same inputs as **Figure 2a**

1.6 Figure 2h:

From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('passingcentralzonerejectinitialpresence').
For user inputs please enter the same inputs as **Figure 2a**

2 Figure 5

2.1 Figure 5a:

Step 1: Get 'Sans food dep' figure.
For 'Sans food dep' From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('approachavoid').
For user inputs please enter the following inputs:
i) Enter genotype: CRL: Long Evans
ii) Do you want to analyze only approach trials? (y/n) n
iii) Enter tasktypedone (or enter "all" for all task types): P2L1
iv) Which health types do you want to analyze?
(enter multiple values separated by comma and a space or type 'all' for all types): N/A
v) Start date? 06/16/2022
vi) End date? 06/23/2022
vii) Do you want to split the graph by gender? (y/n) n
viii) Do you want to a graph for specific animal? (y/n) n

Step2: Get 'Food dep' figure.
For 'Food dep' From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('approachavoid').

For user inputs please enter the following inputs:
i) Enter genotype: CRL: Long Evans
ii) Do you want to analyze only approach trials? (y/n) n
iii) Enter tasktypedone (or enter "all" for all task types): P2L1
iv) Which health types do you want to analyze?
(enter multiple values separated by comma and a space or type 'all' for all types): Food Deprivation
v) Start date? 08/23/2022
vi) End date? 08/25/2022
vii) Do you want to split the graph by gender? (y/n) n
viii) Do you want to a graph for specific animal? (y/n) n

Step3: Overlay 'Sans food dep' and 'Food dep' figures.
i) Open *mergePlots.m* from 'Plots' directory
ii) Paste the figures obtained in step 1 and 2 for 'f1' and 'f2'
iii) Comment out rest of the figure names since we don't want to overlay more
iv) Run the script

2.2 Figure 5c:

Step 1: Get 'Sans food dep' figure.
For 'Sans food dep' From "Data Analysis" directory run the function, *masterPsychometricFunctionPlot('entrytime')*. For user inputs please enter the following inputs:
i) Enter genotype: CRL: Long Evans
ii) Do you want to analyze only approach trials? (y/n) y
For rest of the user inputs please enter the same inputs as Step1 in **Figure 5a**

Step2: Get 'Food dep' figure.
For 'Food dep' From "Data Analysis" directory run the function, *masterPsychometricFunctionPlot('entrytime')*.
For user inputs please enter the following inputs:
i) Enter genotype: CRL: Long Evans
ii) Do you want to analyze only approach trials? (y/n) y
For rest of the user inputs please enter the same inputs as Step2 in **Figure 5a**

Step3: Overlay 'Sans food dep' and 'Food dep' figures.
Please follow the same steps as Step3 in **Figure 5a**

2.3 Figure 5d:

Step 1: Get 'Sans food dep' figure.
For 'Sans food dep' From "Data Analysis" directory run the function, *masterPsychometricFunctionPlot('distanceaftertoneuntillimitingtimestamp')*.

For user inputs please enter the same inputs as Step1 in **Figure 5a**

Step2: Get 'Food dep' figure.
For 'Food dep' From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('distanceaftertoneuntillimitingtimestamp').
For user inputs please enter the same inputs as Step2 in **Figure 5a**

Step3: Overlay 'Sans food dep' and 'Food dep' figures.
Please follow the same steps as Step3 in **Figure 5a**

2.4 Figure 5e:

Step 1: Get 'Sans food dep' figure.
For 'Sans food dep' From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('stoppingpts_per_unittravel_method6').
For user inputs please enter the same inputs as Step1 in **Figure 5a**

Step2: Get 'Food dep' figure.
For 'Food dep' From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('stoppingpts_per_unittravel_method6').
For user inputs please enter the same inputs as Step2 in **Figure 5a**

Step3: Overlay 'Sans food dep' and 'Food dep' figures.
Please follow the same steps as Step3 in **Figure 5a**

2.5 Figure 5f:

Step 1: Get 'Sans food dep' figure.
For 'Sans food dep' From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('bigaccelerationperunittravel').
For user inputs please enter the same inputs as Step1 in **Figure 5a**

Step2: Get 'Food dep' figure.
For 'Food dep' From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('bigaccelerationperunittravel').
For user inputs please enter the same inputs as Step2 in **Figure 5a**

Step3: Overlay 'Sans food dep' and 'Food dep' figures.
Please follow the same steps as Step3 in **Figure 5a**

2.6 Figure 5g:

Step 1: Get 'Sans food dep' figure.
For 'Sans food dep' From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('passingcentralzonerejectinitialpresence').
For user inputs please enter the same inputs as Step1 in **Figure 5a**

Step2: Get 'Food dep' figure.
For 'Food dep' From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('passingcentralzonerejectinitialpresence').
For user inputs please enter the same inputs as Step2 in **Figure 5a**

Step3: Overlay 'Sans food dep' and 'Food dep' figures.
Please follow the same steps as Step3 in **Figure 5a**

3 Figure 6

3.1 Figure 6b (Left):

From "Data Analysis" directory run the function,
alcoholPsychometricFunctionPlot('approachavoid').
For user inputs please enter the following inputs:
i) Enter genotype: CRL: Long Evans
ii) Do you want to analyze only approach trials? (y/n) n
iii) Enter tasktypedone (or enter "all" for all task types): P2A
iv) Which health types do you want to analyze?
(enter multiple values separated by comma and a space or type 'all' for all types): N/A
v) Start date? 09/16/2022
vi) End date? 10/03/2022
vii) Do you want to split the graph by gender? (y/n) y

3.2 Figure 6b (Right):

From "Data Analysis" directory run the function,
alcoholPsychometricFunctionPlot('approachavoid').
For user inputs please enter the following inputs:
i) Enter genotype: lg_boost, lg_etoh
ii) Do you want to analyze only approach trials? (y/n) n
iii) Enter tasktypedone (or enter "all" for all task types): P2A
iv) Which health types do you want to analyze?
(enter multiple values separated by comma and a space or type 'all' for all types): N/A
v) Start date? 11/02/2022

vi) End date? 12/01/2022
vii) Do you want to split the graph by gender? (y/n) y

3.3 Figure 6d (Left):

From "Data Analysis" directory run the function,
alcoholPsychometricFunctionPlot('entrytime')
For user inputs please enter the following inputs:
i) Enter genotype: CRL: Long Evans
ii) Do you want to analyze only approach trials? (y/n) y
For rest of the user inputs please enter the same inputs as in **Figure 6b (Left)**

3.4 Figure 6d (Right):

From "Data Analysis" directory run the function,
alcoholPsychometricFunctionPlot('entrytime')
For user inputs please enter the following inputs:
i) Enter genotype: lg_boost, lg_etoh
ii) Do you want to analyze only approach trials? (y/n) y
For rest of the user inputs please enter the same inputs as in **Figure 6b (Right)**

3.5 Figure 6e:

From "Data Analysis" directory run the function,
oxyPsychometricFunctionPlot('approachavoid').
For user inputs please enter the following inputs:
i) Which data do you want to analyze? Print "Oxycodon" or "Incubation"
Oxycodon
ii) Do you want to analyze only approach trials? (y/n) n
iii) Do you want to split the graph by gender? (y/n) y

3.6 Figure 6f:

From "Data Analysis" directory run the function,
oxyPsychometricFunctionPlot('stoppingpts_per_unittravel_method6').
For user inputs please enter the same inputs as **Figure 6e**

3.7 Figure 6g:

From "Data Analysis" directory run the function,
oxyPsychometricFunctionPlot('approachavoid').

For user inputs please enter the following inputs:
i) Which data do you want to analyze? Print "Oxycodon" or "Incubation" Incubation
ii) Do you want to analyze only approach trials? (y/n) n
iii) Do you want to split the graph by gender? (y/n) y

3.8 Figure 6h:

From "Data Analysis" directory run the function,
oxyPsychometricFunctionPlot('stoppingpts_per_unittravel_method6').
For user inputs please enter the same inputs as **Figure 6g**

3.9 Figure 6k:

From "Data Analysis" directory run the function, ***barPlotOfOxy.m***.

4 Supplemental Figure 6

4.1 Supplemental Figure 6a:

From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('approachavoid').
For user inputs please enter the following inputs:
i) Enter genotype: CRL: Long Evans
ii) Do you want to analyze only approach trials? (y/n) n
iii) Enter tasktypedone (or enter "all" for all task types): P2L1
iv) Which health types do you want to analyze?
(enter multiple values separated by comma and a space or type 'all' for all types): Food Deprivation
v) Start date? 08/23/2022
vi) End date? 08/25/2022
vii) Do you want to split the graph by gender? (y/n) y

4.2 Supplemental Figure 6b:

From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('distanceaftertoneuntillimitingtimestamp').
For user inputs please enter the same inputs as **Supplemental Figure 6a**.

4.3 Supplemental Figure 6c:

From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('stoppingpts_per_unittravel_method6').
For user inputs please enter the same inputs as **Supplemental Figure 6a**.

4.4 Supplemental Figure 6d:

From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('bigaccelerationperunittravel').
For user inputs please enter the same inputs as **Supplemental Figure 6a**.

4.5 Supplemental Figure 6e:

From "Data Analysis" directory run the function,
masterPsychometricFunctionPlot('passingcentralzonerejectinitialpresence').
For user inputs please enter the same inputs as **Supplemental Figure 6a**.

5 Supplemental Figure 7

5.1 Supplemental Figure 7a (Left):

From "Data Analysis" directory run the function,
alcoholPsychometricFunctionPlot('bigaccelerationperunittravel').
For user inputs please enter the same inputs as **Figure 6b (Left)**.

5.2 Supplemental Figure 7a (Right):

From "Data Analysis" directory run the function,
alcoholPsychometricFunctionPlot('bigaccelerationperunittravel').
For user inputs please enter the same inputs as **Figure 6b (Right)**.

5.3 Supplemental Figure 7b (Left):

From "Data Analysis" directory run the function,
alcoholPsychometricFunctionPlot('distanceaftertoneuntillimitingtimestamp').
For user inputs please enter the same inputs as **Figure 6b (Left)**.

5.4 Supplemental Figure 7b (Right):

From "Data Analysis" directory run the function,
alcoholPsychometricFunctionPlot('distanceaftertoneuntillimitingtimestamp').
For user inputs please enter the same inputs as **Figure 6b (Right)**.

5.5 Supplemental Figure 7d:

From "Data Analysis" directory run the function,
oxyPsychometricFunctionPlot('entrytime').
For user inputs please enter the following inputs:
i) Which data do you want to analyze? Print "Oxycodon" or "Incubation"
Oxycodon
ii) Do you want to analyze only approach trials? (y/n) y
iii) Do you want to split the graph by gender? (y/n) y

5.6 Supplemental Figure 7e:

From "Data Analysis" directory run the function,
oxyPsychometricFunctionPlot('passingcentralzonerejectinitialpresence').
For user inputs please enter the same inputs as **Figure 6e**.

5.7 Supplemental Figure 7f:

From "Data Analysis" directory run the function,
oxyPsychometricFunctionPlot('bigaccelerationperunittravel').
For user inputs please enter the same inputs as **Figure 6e**.

5.8 Supplemental Figure 7g:

From "Data Analysis" directory run the function,
oxyPsychometricFunctionPlot('distanceaftertoneuntillimitingtimestamp').
For user inputs please enter the same inputs as **Figure 6e**.

5.9 Supplemental Figure 7h:

From "Data Analysis" directory run the function,
oxyPsychometricFunctionPlot('entrytime').
For user inputs please enter the following inputs:
i) Which data do you want to analyze? Print "Oxycodon" or "Incubation"
Incubation
ii) Do you want to analyze only approach trials? (y/n) y

iii) Do you want to split the graph by gender? (y/n) y

5.10 Supplemental Figure 7i:

From "Data Analysis" directory run the function,
oxyPsychometricFunctionPlot('bigaccelerationperunittravel').
For user inputs please enter the same inputs as **Figure 6g**.

5.11 Supplemental Figure 7j:

From "Data Analysis" directory run the function,
oxyPsychometricFunctionPlot('distanceaftertoneuntillimitingtimestamp').
For user inputs please enter the same inputs as **Figure 6g**.

5.12 Supplemental Figure 7k:

From "Data Analysis" directory run the function,
oxyPsychometricFunctionPlot('passingcentralzonerejectinitialpresence').
For user inputs please enter the same inputs as **Figure 6g**.