

Introduction to E-Prime

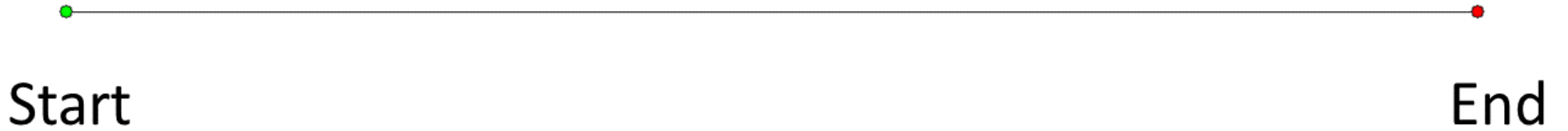
Yu-Han Luo

Outline

- Linear Execution
- Cueing Task
- .es, .ebs & .edat
- Data Management
- Show-off: What you can do with the data

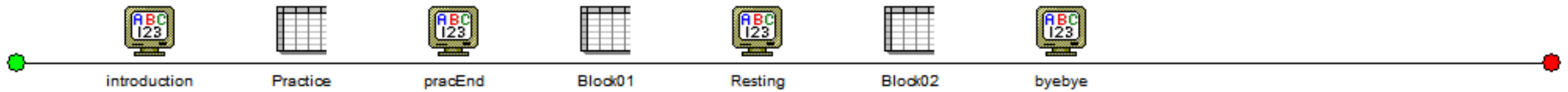
All the files can be downloaded at: <https://github.com/yh-luo/eprime-intro>

Linear Execution

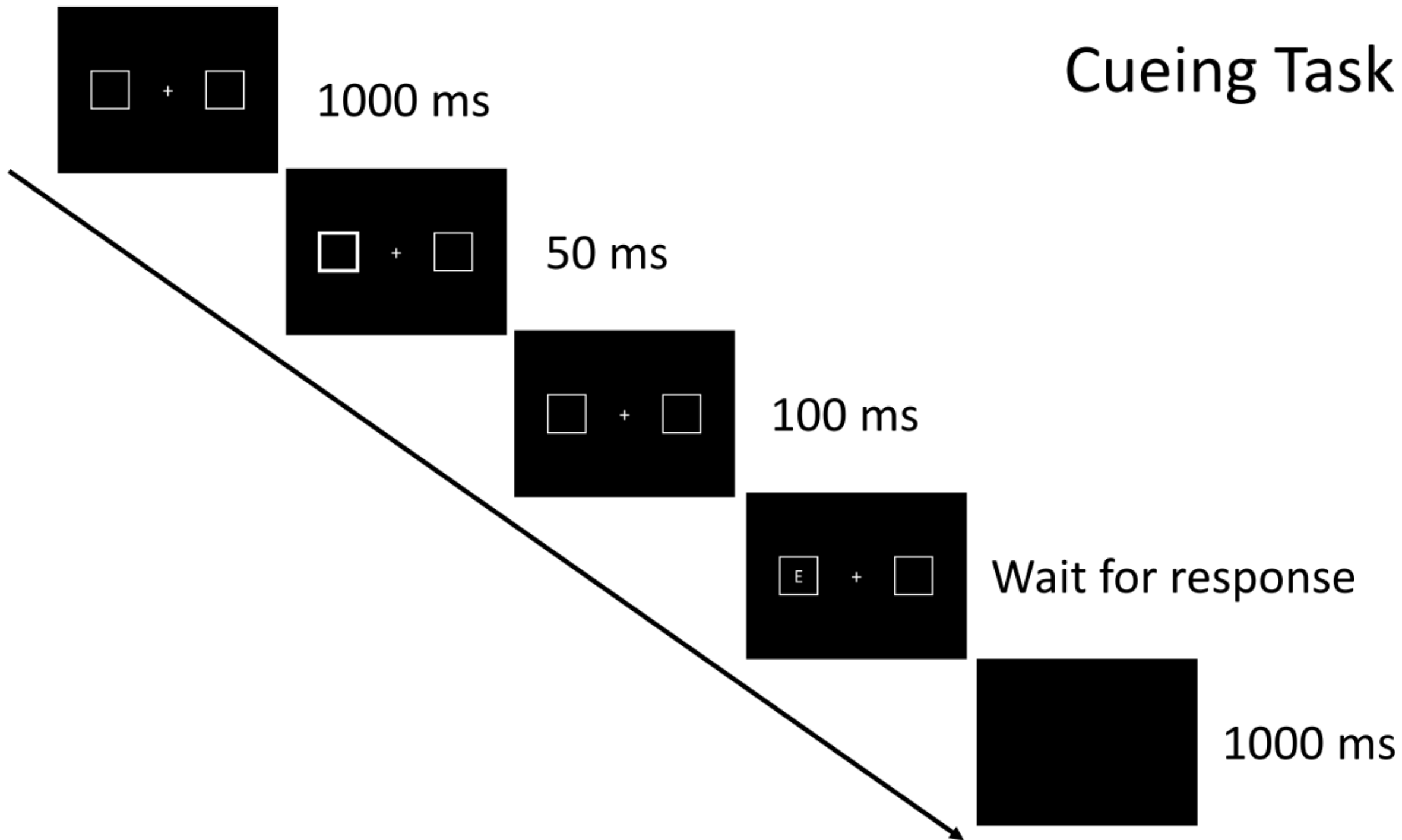


Linear Execution

- Drag and drop the objects

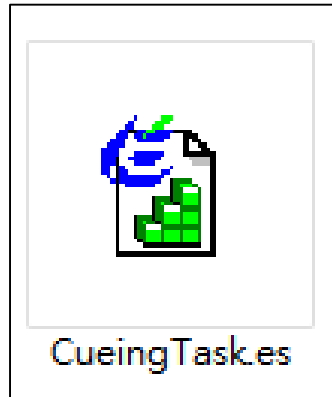


Cueing Task

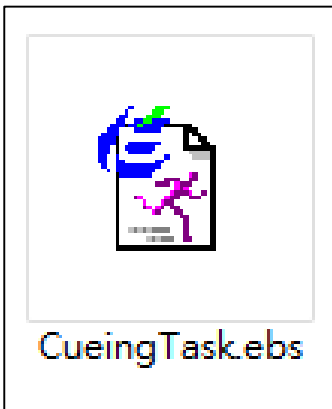


.es, .ebs & .edat

Generate .ebs from .es for E-Run to execute the experiment.



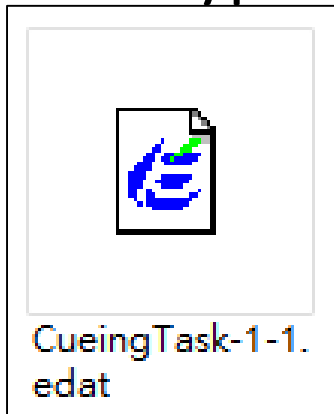
- .es: E-Studio file for humans to design the experiment



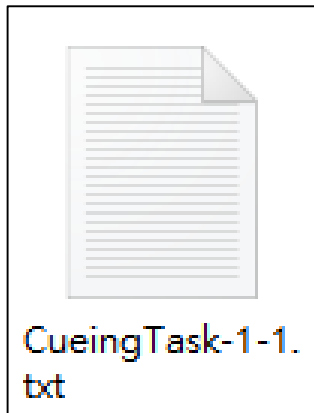
- .ebs: E-Run file for computers to run the experiment

.es, .ebs & .edat

Two types of data file:



- .edat: complete data



- .txt: ongoing data

Data Management

- Use E-DataAid to preview data
- Use E-Recovery to recover data
- Use E-Merge to merge different data files
- Export data

Use E-DataAid to preview data

CueingTask-1-1.edat - E-DataAid

File Edit View Tools Help

ExperimentName Subject Session Display.RefreshRate Group RandomSeed SessionDate SessionTime Block ans Block01 Block01.Cycle Block01.Sample Block02 Block02.Cycle Block02.Sample borL borR condition Practice

1	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	1	z	NULL	NULL	NULL	NULL	NULL	NULL	1	3	congruent	2
2	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	2	z	NULL	NULL	NULL	NULL	NULL	NULL	3	1	incongruen	6
3	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	3	{f}	NULL	NULL	NULL	NULL	NULL	NULL	3	1	congruent	3
4	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	4	{f}	NULL	NULL	NULL	NULL	NULL	NULL	3	1	congruent	3
5	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	5	z	NULL	NULL	NULL	NULL	NULL	NULL	3	1	congruent	1
6	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	6	z	NULL	NULL	NULL	NULL	NULL	NULL	1	3	congruent	2
7	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	7	{f}	NULL	NULL	NULL	NULL	NULL	NULL	1	3	congruent	4
8	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	8	z	NULL	NULL	NULL	NULL	NULL	NULL	1	3	incongruen	5
9	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	9	{f}	NULL	NULL	NULL	NULL	NULL	NULL	1	3	incongruen	7
10	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	10	z	NULL	NULL	NULL	NULL	NULL	NULL	3	1	congruent	1
11	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	11	{f}	NULL	NULL	NULL	NULL	NULL	NULL	3	1	incongruen	8
12	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	12	{f}	NULL	NULL	NULL	NULL	NULL	NULL	3	1	incongruen	8
13	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	13	z	NULL	NULL	NULL	NULL	NULL	NULL	3	1	incongruen	6
14	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	14	{f}	NULL	NULL	NULL	NULL	NULL	NULL	1	3	congruent	4
15	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	15	z	NULL	NULL	NULL	NULL	NULL	NULL	1	3	incongruen	5
16	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	16	{f}	NULL	NULL	NULL	NULL	NULL	NULL	1	3	incongruen	7
17	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	17	z	1	1	1	NULL	NULL	NULL	3	1	congruent	NULL
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20	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	20	z	5	1	4	NULL	NULL	NULL	1	3	incongruen	NULL
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29	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	29	z	5	1	13	NULL	NULL	NULL	1	3	incongruen	NULL
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31	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	31	{f}	3	1	15	NULL	NULL	NULL	3	1	congruent	NULL
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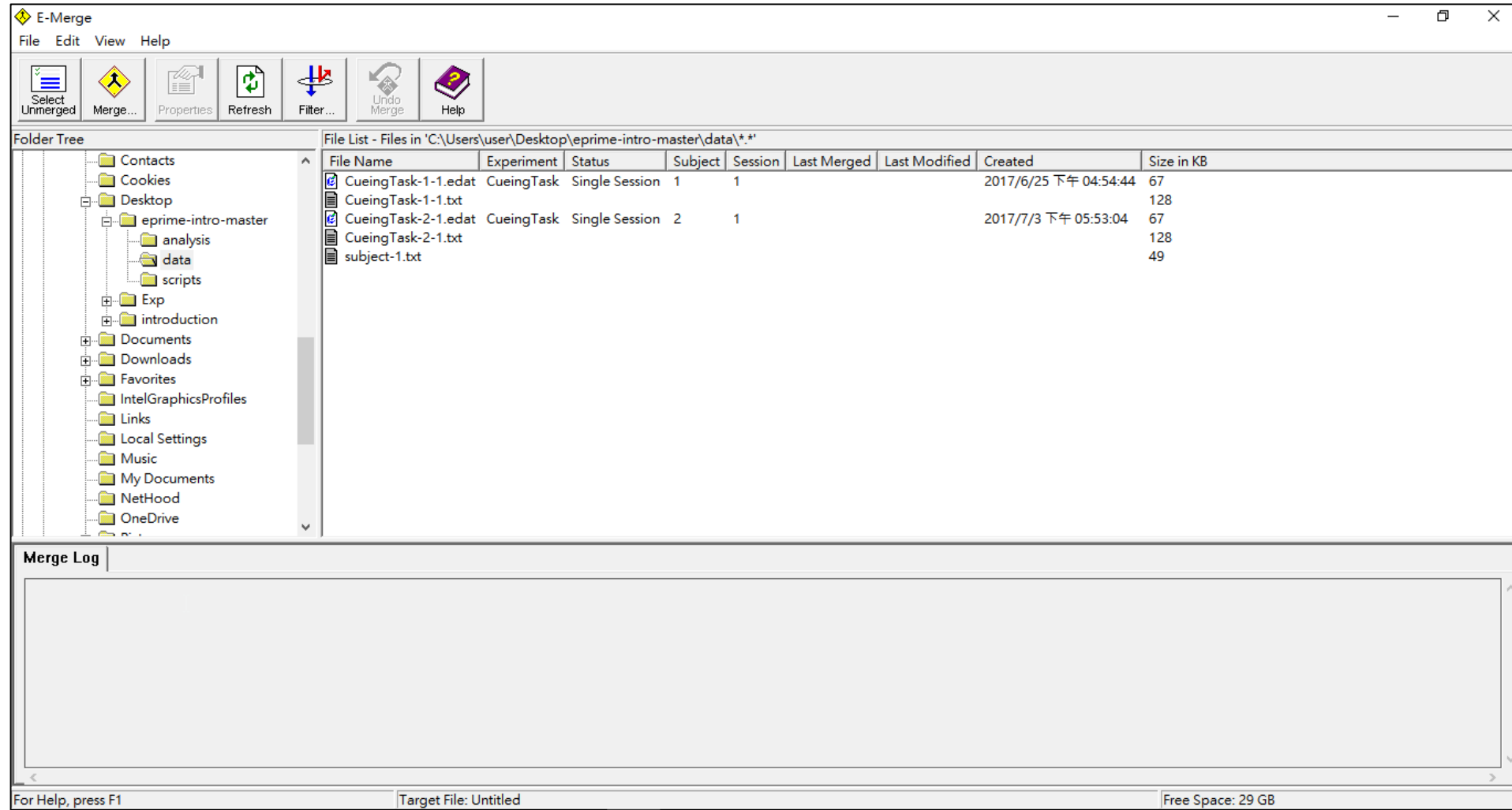
Filters

Done. Rows Displayed: 336 NUM

Use E-Recovery to recover data



Use E-Merge to merge different data files



Export data

mergedData.emrg - E-DataAid

File Edit View Tools Help

Export

Export to: StatView and SPSS

File Configuration

☐ Include comments.

☒ Include column names.

☐ Include column flags.

Missing data:

Begin comment:

End comment:

Variable separator:

Data separator:

Begin data line:

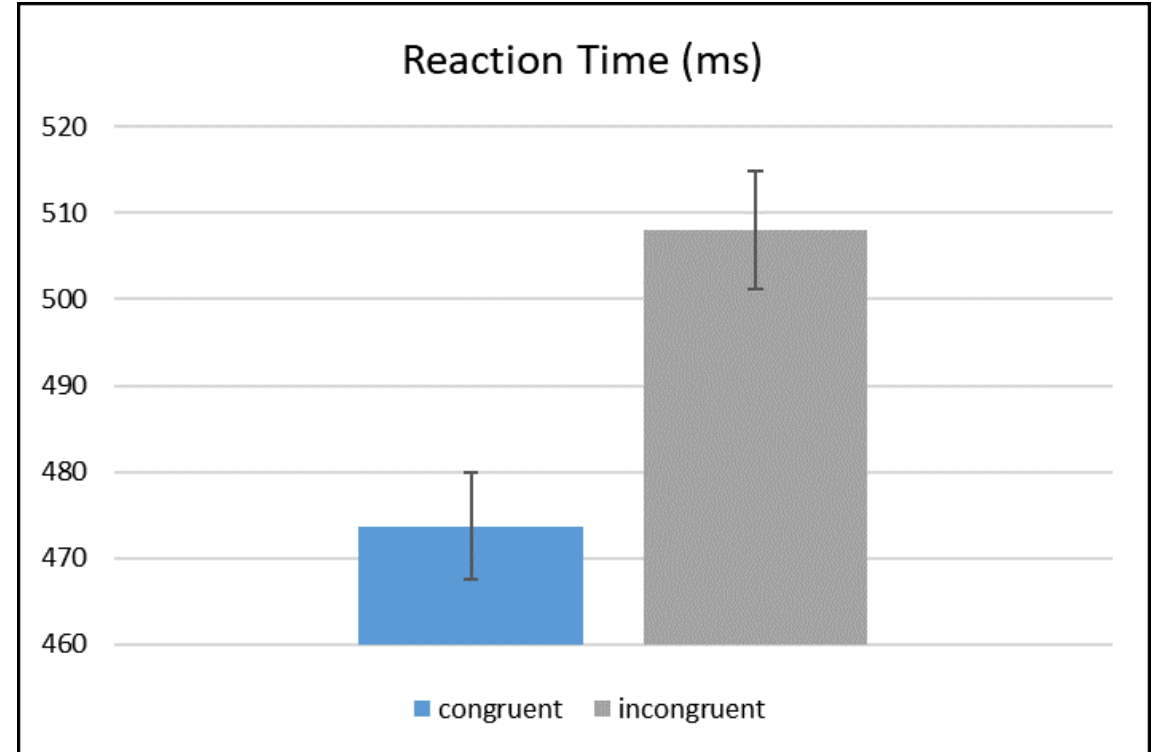
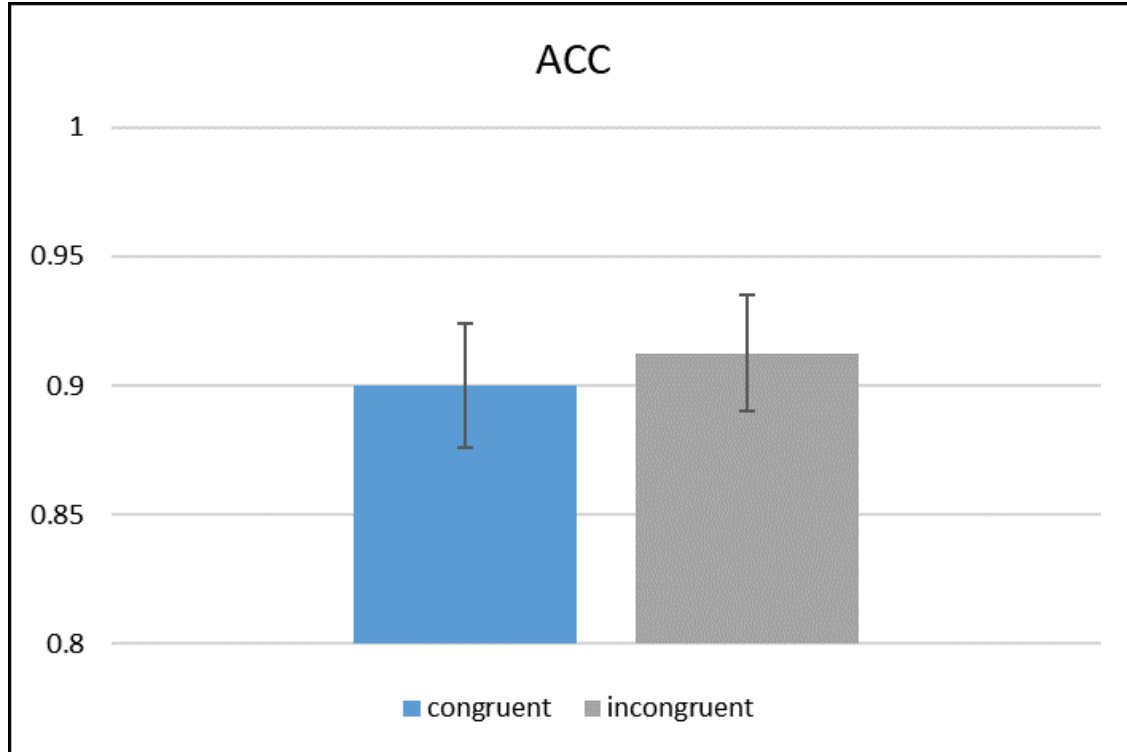
End data line:

OK Cancel

	ExperimentName	Subject	Session	Display.RefreshRate	Group	RandomSeed	SessionDate	SessionTime	Block	ans	Block01	Block01.Cycle	Block01.Sample	Block02	Block02.Cycle	Block02.Sample	borL	borR	condition	Practice
1	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	1	z	NULL	NULL	NULL	NULL	NULL	NULL	1	3	congruent	2
2	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	2	z	NULL	NULL	NULL	NULL	NULL	NULL	3	1	incongruen	6
3	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	3	{/}	NULL	NULL	NULL	NULL	NULL	NULL	3	1	congruent	3
4	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	4	{/}	NULL	NULL	NULL	NULL	NULL	NULL	3	1	congruent	3
5	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									3	1	congruent	1
6	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	congruent	2
7	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	congruent	4
8	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	incongruen	5
9	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	incongruen	7
10	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									3	1	congruent	1
11	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									3	1	incongruen	8
12	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									3	1	incongruen	8
13	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									3	1	incongruen	6
14	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	congruent	4
15	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	incongruen	5
16	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	incongruen	7
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19	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	congruent	NULL
20	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	incongruen	NULL
21	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									3	1	incongruen	NULL
22	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	congruent	NULL
23	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									3	1	congruent	NULL
24	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	congruent	NULL
25	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									3	1	congruent	NULL
26	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	congruent	NULL
27	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	incongruen	NULL
28	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									3	1	congruent	NULL
29	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59									1	3	incongruen	NULL
30	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	30	{/}	7	1	14	NULL	NULL	NULL	1	3	incongruen	NULL
31	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	31	{/}	3	1	15	NULL	NULL	NULL	3	1	congruent	NULL
32	CueingTask	1	1	60.012	1	1380855282	06-25-2017	16:33:59	32	z	6	1	16	NULL	NULL	NULL	3	1	incongruen	NULL

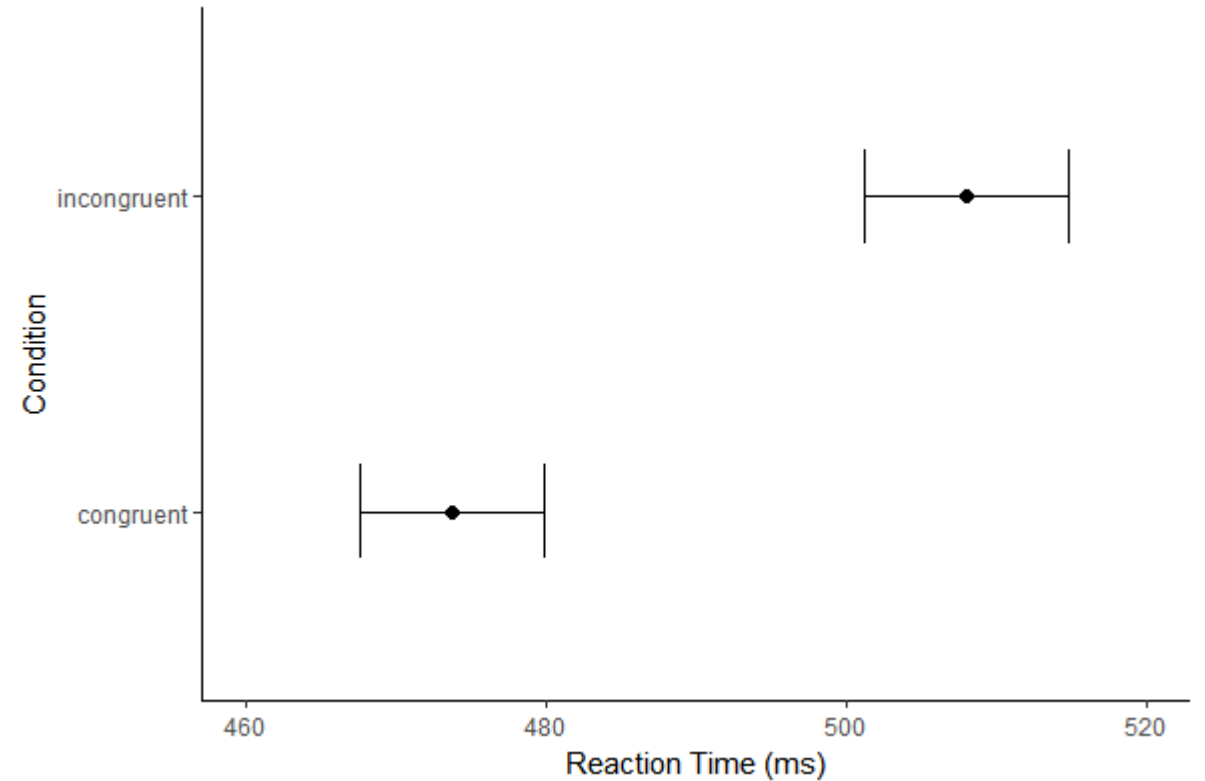
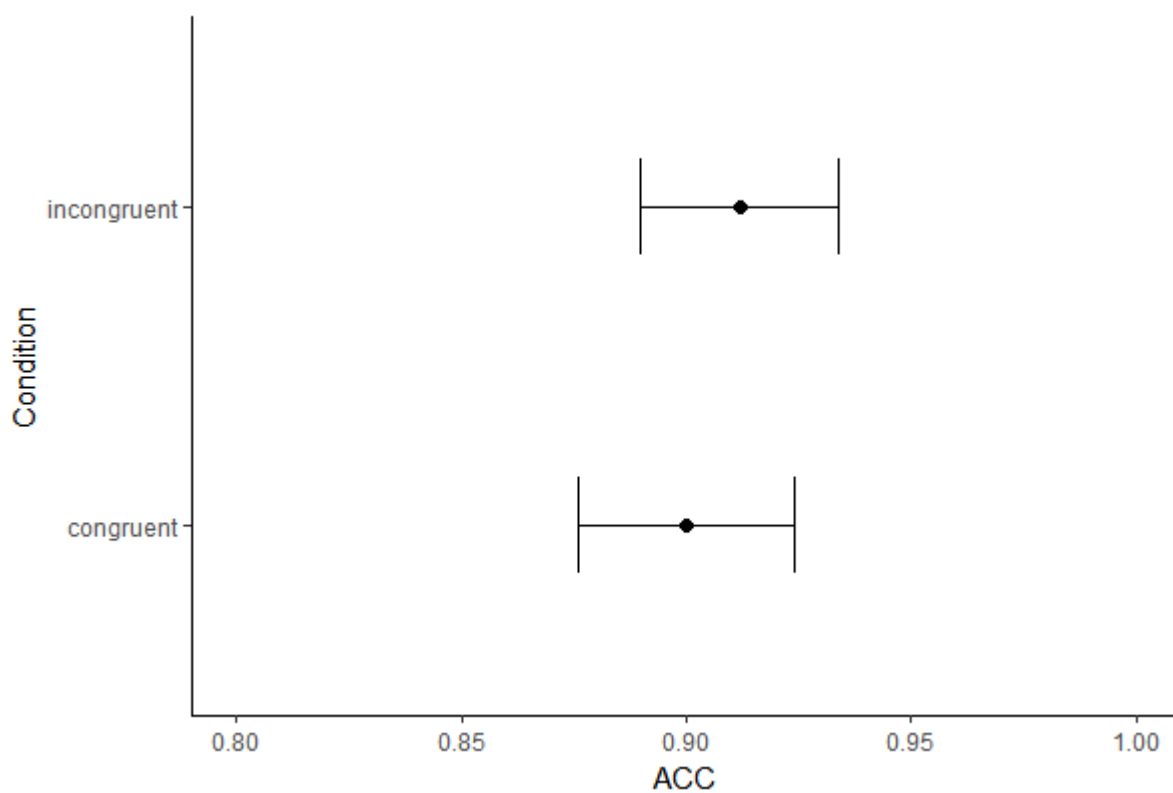
Show-off: What you can do with the data

- Excel



Show-off: What you can do with the data

- R



Thank you!