

## Summary of estimates of the “beta” vector

**Note: The time scale is rescaled as Time(s)/10.**

1. Empirical mean and standard deviation for each variable,  
plus standard error of the mean:

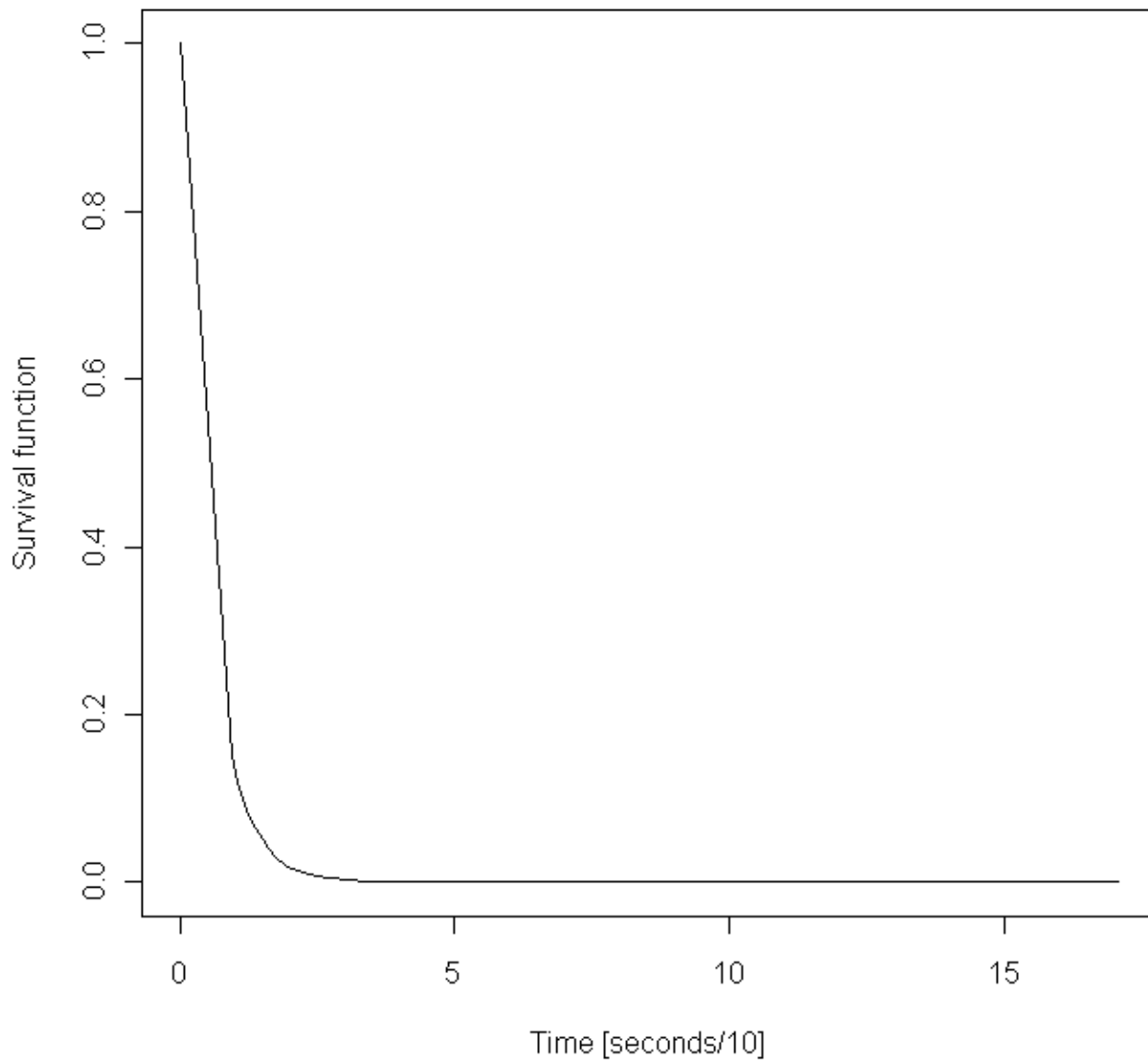
(pay attention to the columns “Mean ” and “SD”, include them in your thesis)

	Mean	SD	Naive SE	Time-series SE
as.factor(TypeP)1	-0.182131	0.09013	0.0005204	0.001279
as.factor(TypeA)1	0.000967	0.08849	0.0005109	0.001285
as.factor(Map)2	-0.474466	0.11156	0.0006441	0.001819
as.factor(Map)3	-0.874868	0.11967	0.0006909	0.001942
as.factor(Map)4	-0.835034	0.12459	0.0007193	0.001896
as.factor(Map)5	-1.149131	0.13739	0.0007932	0.001975
as.factor(Map)6	-0.587355	0.11600	0.0006697	0.001772

2. Quantiles for each variable:

(this is a summary of all parameters you might or might not include in your thesis,)

	2.5%	25%	50%	75%	97.5%
as.factor(TypeP)1	-0.3578	-0.24270	-0.182584	-0.12221	-0.005765
as.factor(TypeA)1	-0.1692	-0.05833	0.001393	0.05949	0.177048
as.factor(Map)2	-0.6946	-0.54897	-0.475534	-0.39954	-0.253063
as.factor(Map)3	-1.1061	-0.95616	-0.876046	-0.79452	-0.640189
as.factor(Map)4	-1.0820	-0.91960	-0.833905	-0.75063	-0.593195
as.factor(Map)5	-1.4190	-1.24033	-1.147951	-1.05543	-0.884289
as.factor(Map)6	-0.8150	-0.66575	-0.586841	-0.50902	-0.357619



3. Empirical mean and standard deviation for each variable,  
plus standard error of the mean:

Factor effect	Mean	SD	Naive SE	Time-series SE
as.factor(TypeP)1	0.8369	0.07562	0.0004366	0.0010655
as.factor(TypeA)1	1.0049	0.08917	0.0005148	0.0013004
TypeAvsP				

4. Quantiles for each variable:

(this is a summary of all parameters you might or might not include in your thesis,)

	2.5%	25%	50%	75%	97.5%
as.factor(TypeP)1	0.6992	0.7845	0.8331	0.8850	0.9943
as.factor(TypeA)1	0.8443	0.9433	1.0014	1.0613	1.1937
TypeAvsP					

## 5. Exploratory statistics by group (Time.s.) See and compare the mean time for the three cases

### # Statistics by group (MapType)

```
var n mean sd median trimmed mad min max range skew kurtosis se
group: A
Time.s. 1 344 20.88 13.97 17.41 18.87 8.19 4.44 170.64 166.2 4.66 40.23 0.75
var n mean sd median trimmed mad min max range skew kurtosis se
Time.s. 1 344 21.12 11.94 17.73 19.25 8.34 6.59 86.96 80.37 2.08 6.26 0.64
group: P
Time.s. 1 343 24.06 17.24 18.66 20.66 9.38 5.73 129.64 123.91 2.54 8.23 0.93
```

### # Statistics by group (MapType) for "Correct" answers

```
var n mean sd median trimmed mad min max range skew kurtosis se
group: A
1 1 265 19.78 13.84 16.11 17.81 7.5 4.44 170.64 166.2 5.43 51.81 0.85
group: G
1 1 217 19.74 10.52 16.73 18.06 7.25 6.59 67.62 61.03 1.84 4.16 0.71
group: P
1 1 244 21.46 14.42 17.21 18.97 8.05 5.73 129.64 123.91 3.05 14.84 0.92
```

### # Statistics by group (MapType) for "Incorrect" answers

```
var n mean sd median trimmed mad min max range skew kurtosis se
group: A
1 1 79 24.55 13.85 21.19 22.62 8.93 8.82 101.92 93.1 2.62 10.72 1.56
group: G
1 1 127 23.49 13.77 20.12 21.46 9.74 7.05 86.96 79.91 2.06 5.93 1.22
group: P
1 1 99 30.46 21.52 22.74 26.48 10.16 10.37 103.14 92.77 1.76 2.52 2.16
```

## 6. Contrast of hypothesis

The number marked in bold colour corresponds to the Monte Carlo estimate of your hypothesis

	TypeP	TypeA	TypeAvsP	ContrastAvsP
Min. :	-0.5772	-0.362938	-0.1966	0.0000
1st Qu.:	-0.2427	-0.058329	0.1226	1.0000
Median :	-0.1826	0.001393	0.1836	1.0000
Mean :	-0.1821	0.000967	0.1831	<b>0.9768</b>
3rd Qu.:	-0.1222	0.059494	0.2450	1.0000
Max. :	0.1501	0.378059	0.5176	1.0000

The follow histogram shows the distribution of “beta\_A-beta\_P”

