exp 1 data cleaning

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this code

loads the raw data - assigns factors to variables etc, load functions

conducts piecewise linear functions to the data (collapsed over blocks)

removes trials up to the breakpoint

saves data as a dataframe

```
## Loading required package: wesanderson
```

```
## Loading required package: plyr
```

```
## Loading required package: ggplot2
```

```
## Warning in as.POSIXlt.POSIXct(Sys.time()): unknown timezone 'zone/tz/2020a.
## 1.0/zoneinfo/Australia/Brisbane'
```

```
## Loading required package: reshape2
```

```
## Warning in rows$sub = levels(dat$sub): Coercing LHS to a list
```

block switches

As learning should be demonstrated by a speeding of RTs over the block, I am now going to plot the RTs by trial number (collapsed across all blocks and conditions conditions) after each block switch, and apply piecewise linear regression method to remove trials contaminated by the switch (i.e. remove trials occurring prior to the breakpoint).
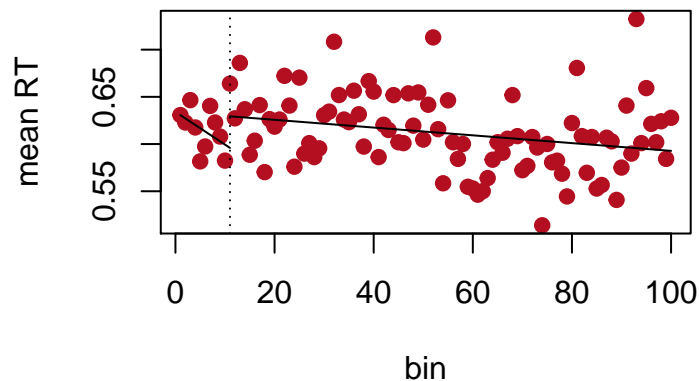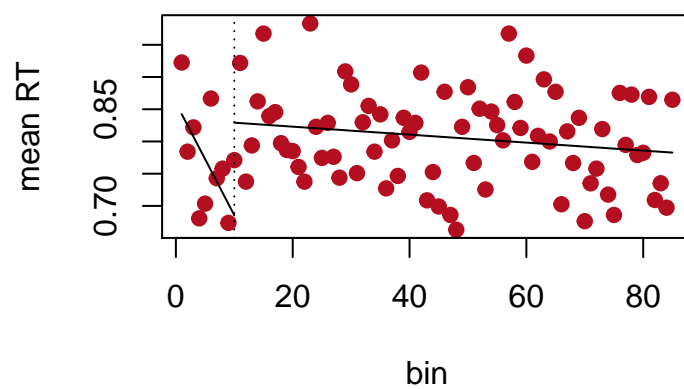
save data for analysis
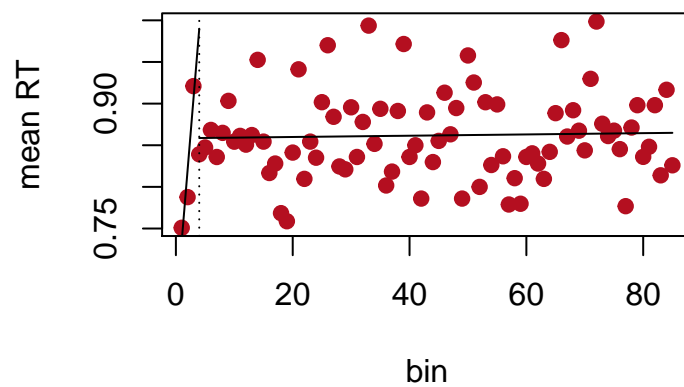

Figure 1: sub-301
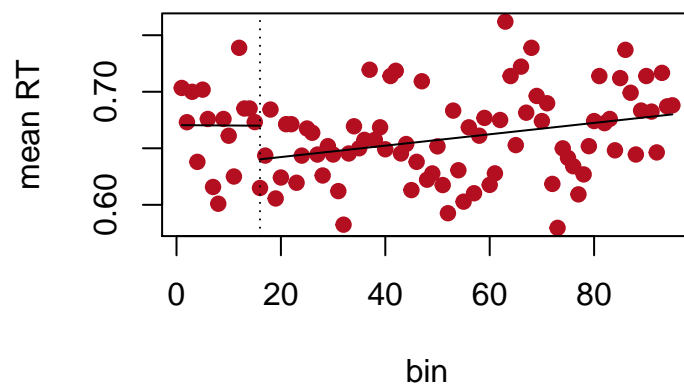
Figure 2: sub-302

Figure 3: sub-303

Figure 4: sub-304
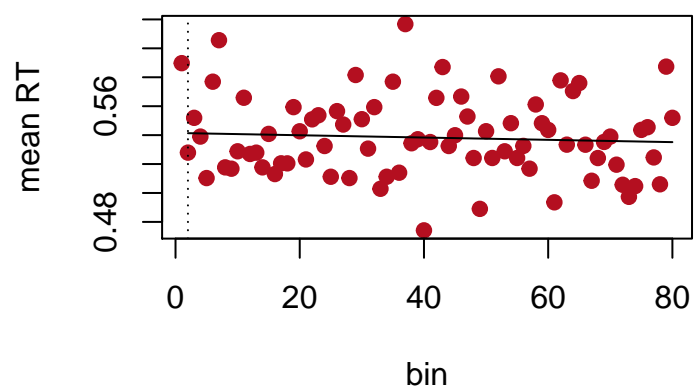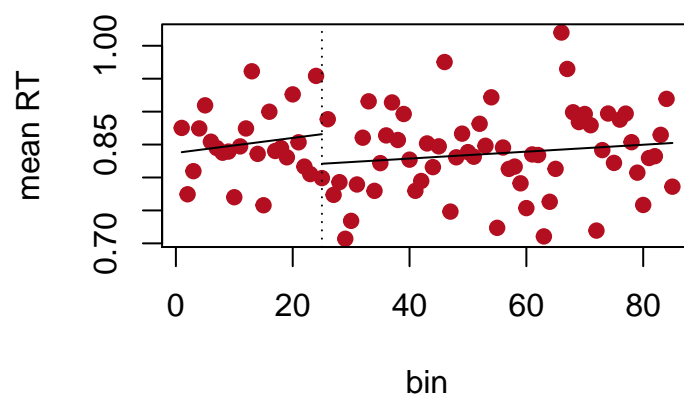
2

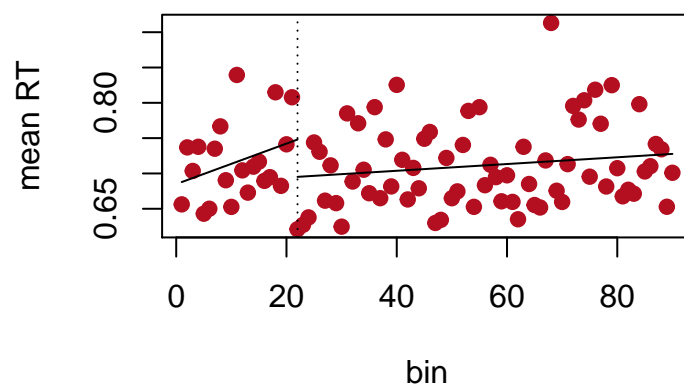Figure 5: sub-305
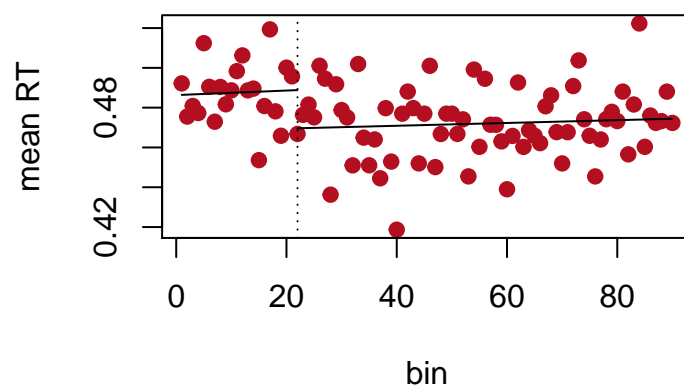

Figure 6: sub-306
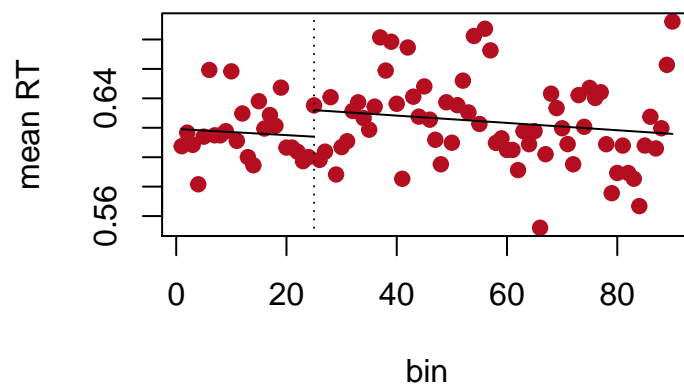

Figure 7: sub-307

3

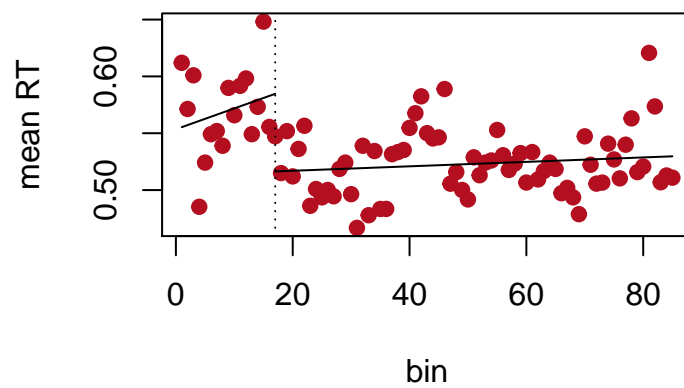Figure 8: sub-308

Figure 9: sub-309
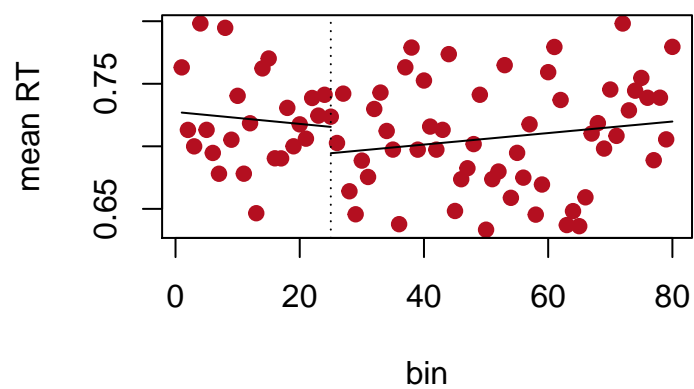

Figure 10: sub-310
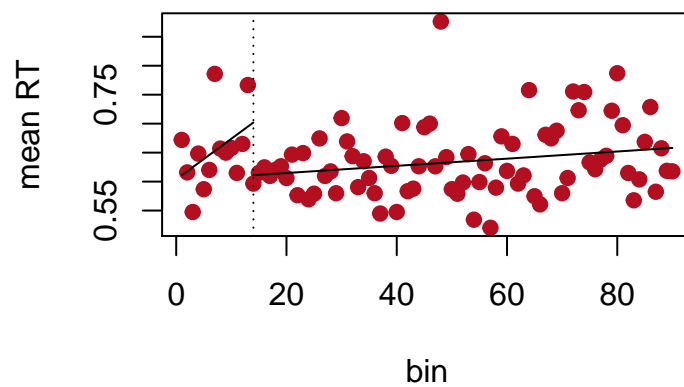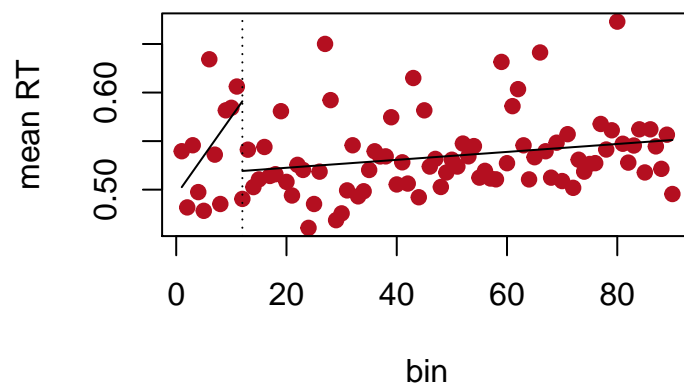
4

Figure 11: sub-311

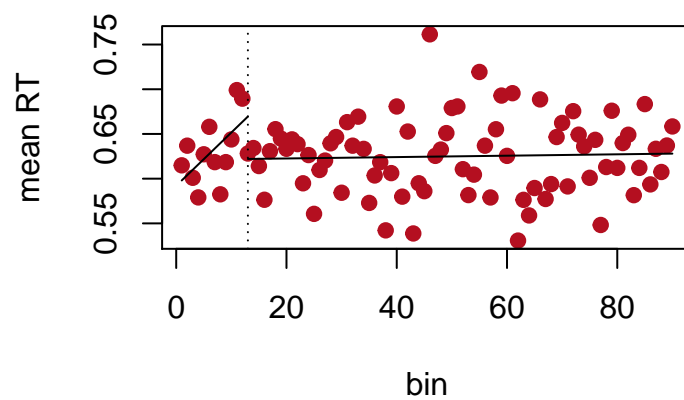Figure 12: sub-312
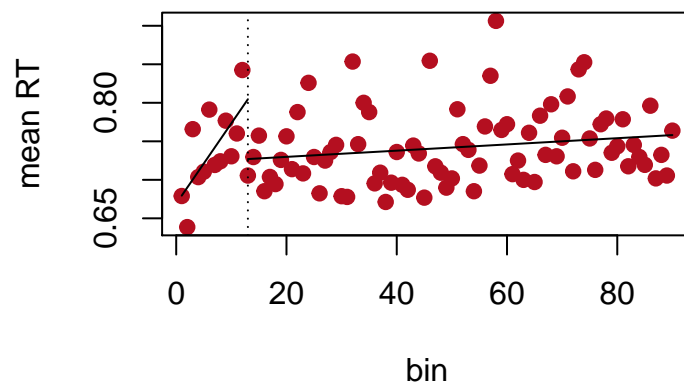

Figure 13: sub-313

5

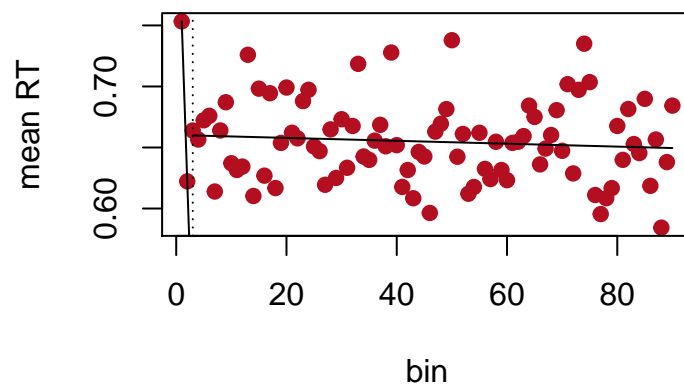Figure 14: sub-314

Figure 15: sub-315
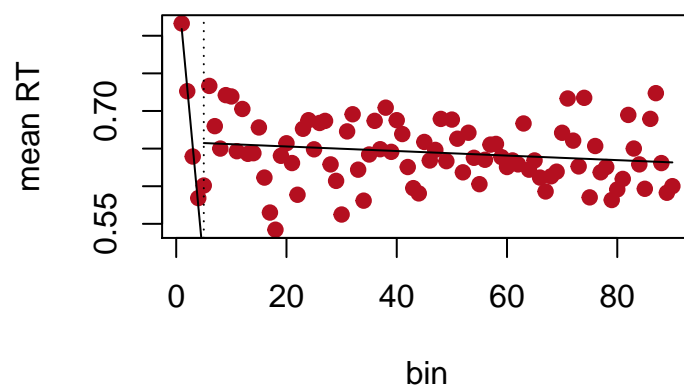

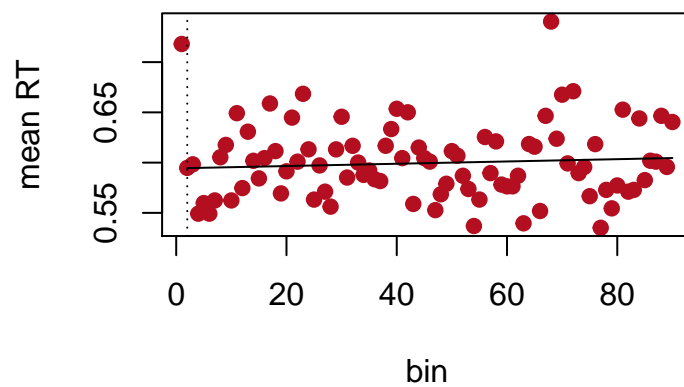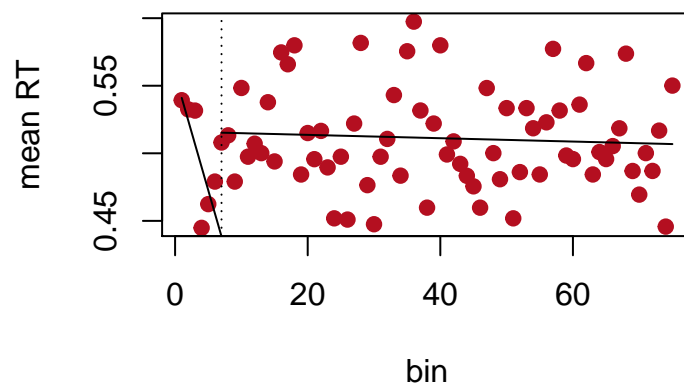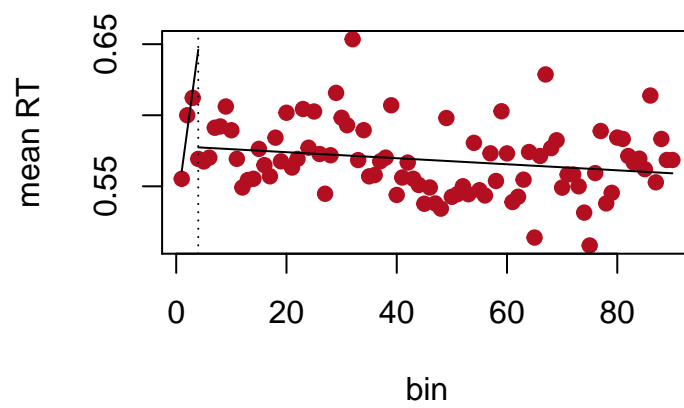Figure 16: sub-316

6

Figure 17: sub-317

Figure 18: sub-318
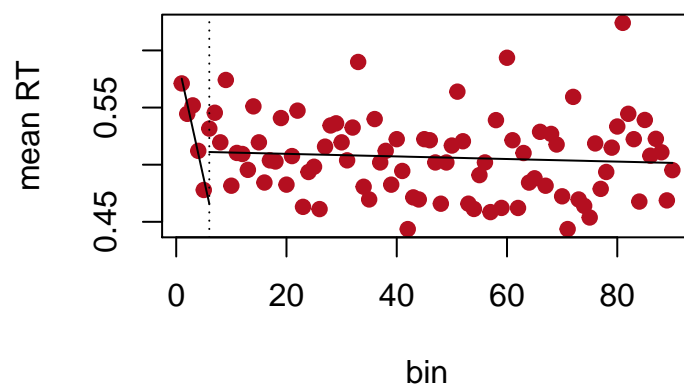

Figure 19: sub-320

Figure 20: sub-321

Figure 21: sub-323