

exp 2 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).

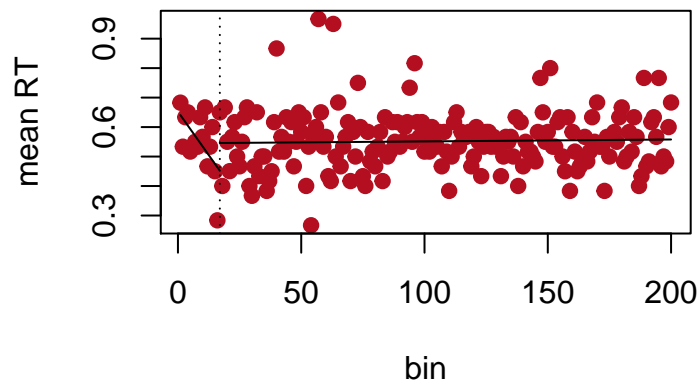


Figure 1: sub-501

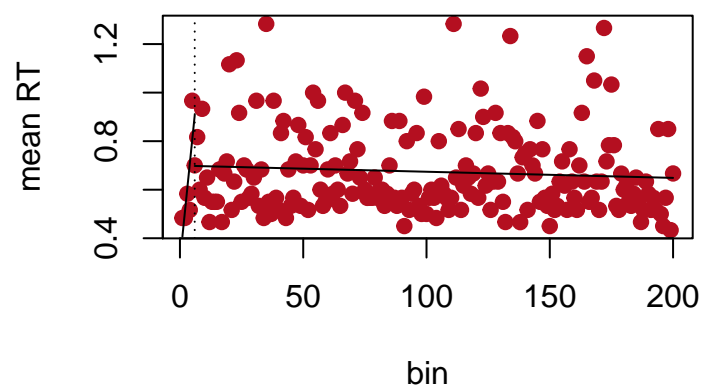


Figure 2: sub-502

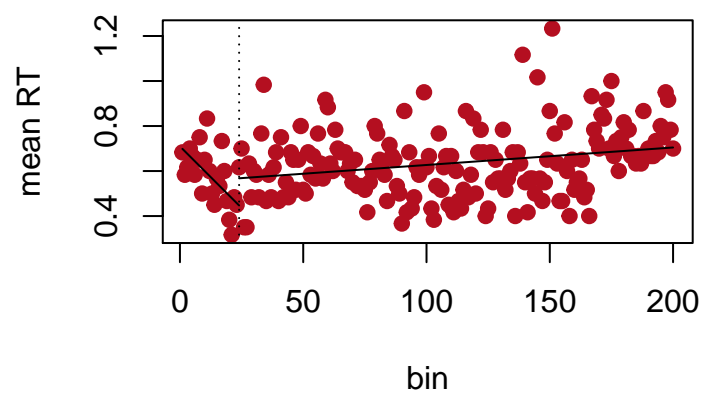


Figure 3: sub-503

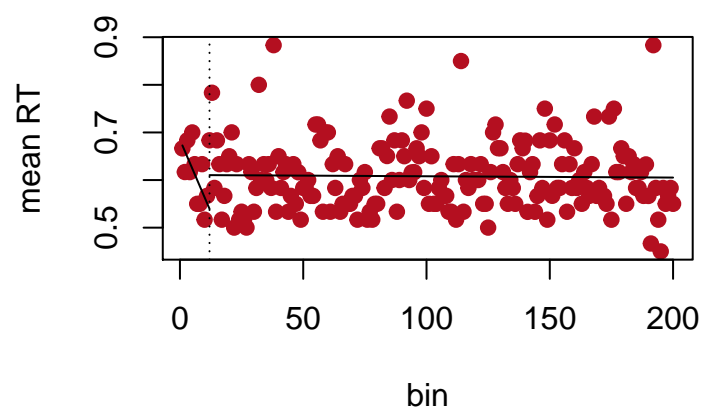


Figure 4: sub-504

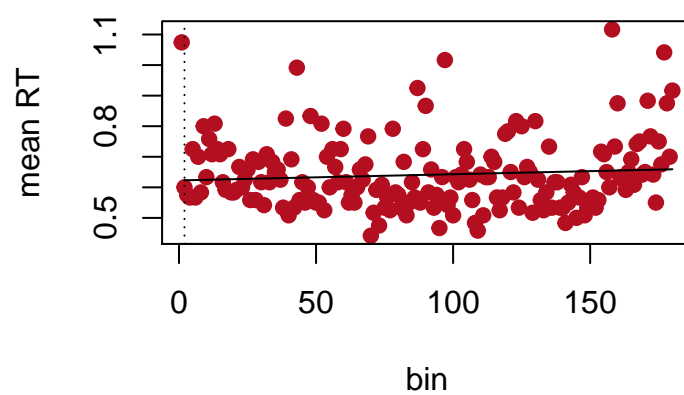


Figure 5: sub-505

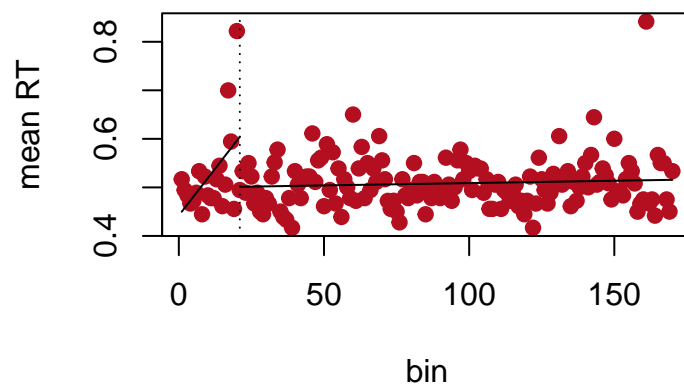


Figure 6: sub-506

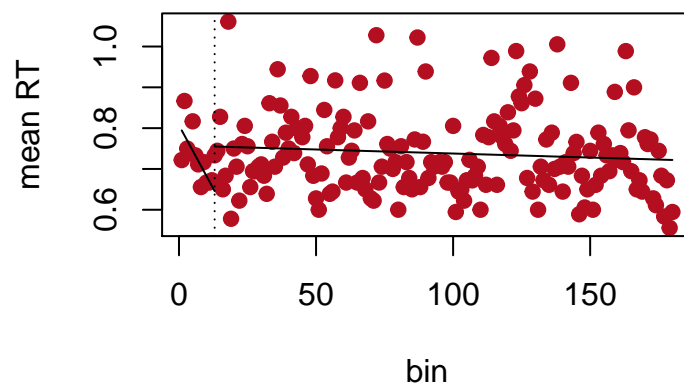


Figure 7: sub-507

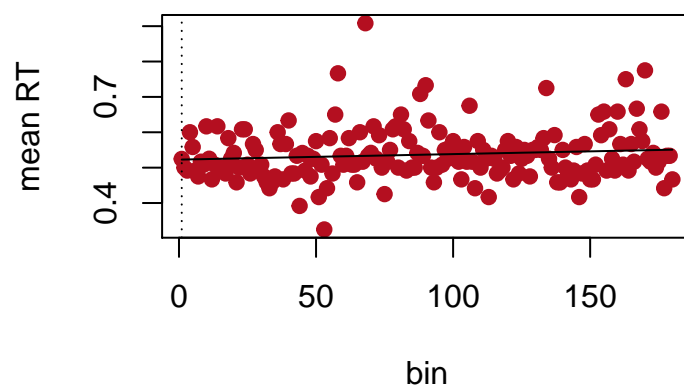


Figure 8: sub-508

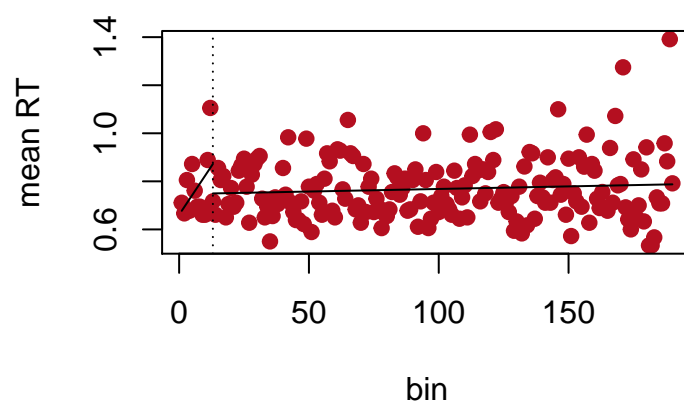


Figure 9: sub-509

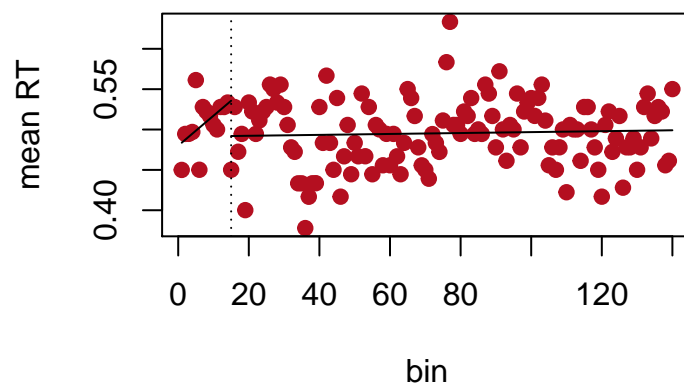


Figure 10: sub-510

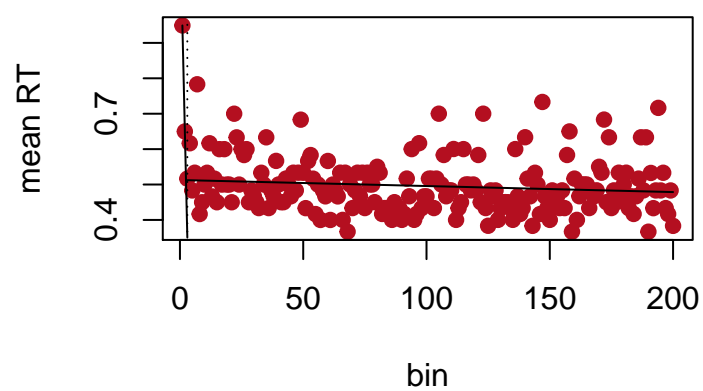


Figure 11: sub-511

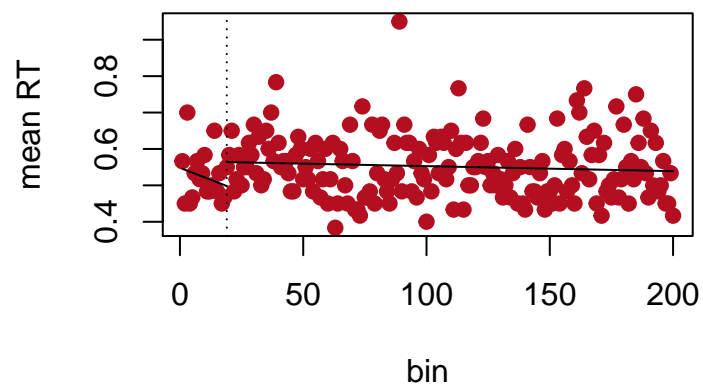


Figure 12: sub-512

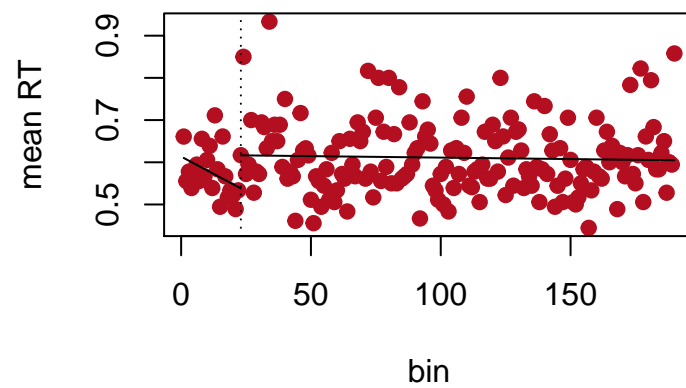


Figure 13: sub-513

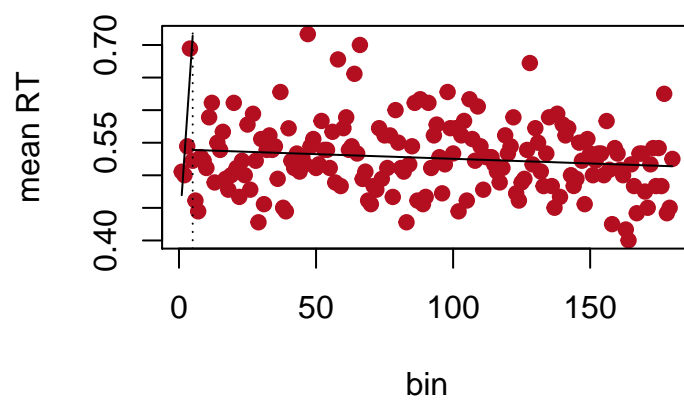


Figure 14: sub-514

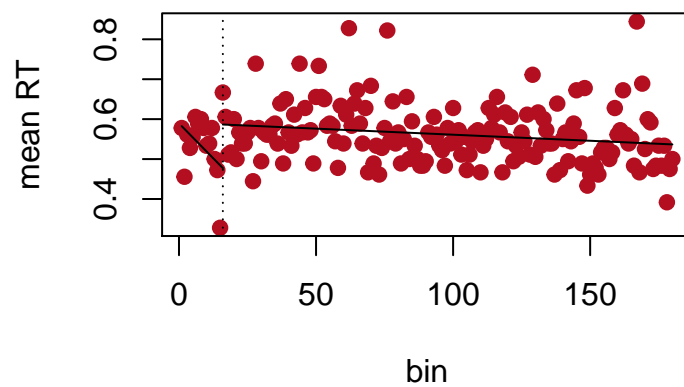


Figure 15: sub-515

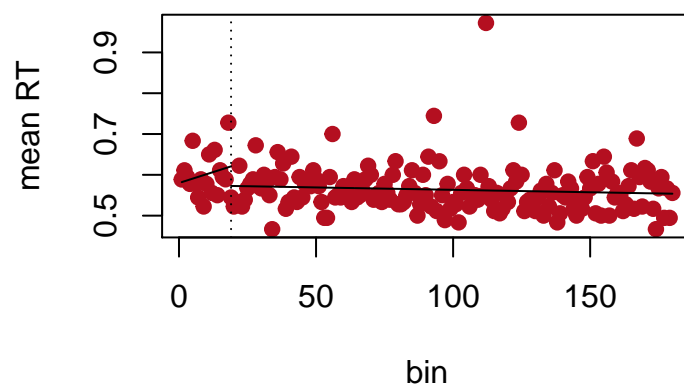


Figure 16: sub-516

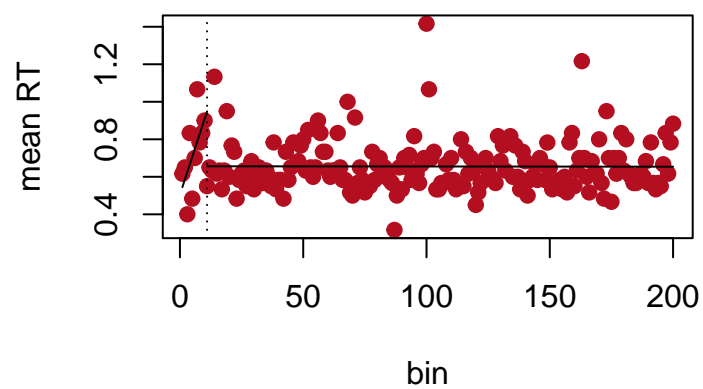


Figure 17: sub-517

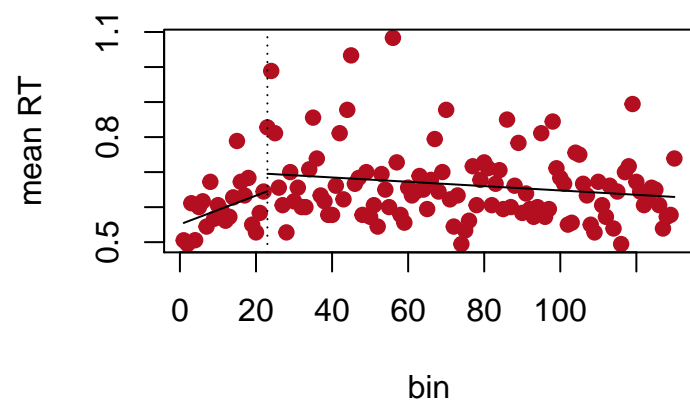


Figure 18: sub-518

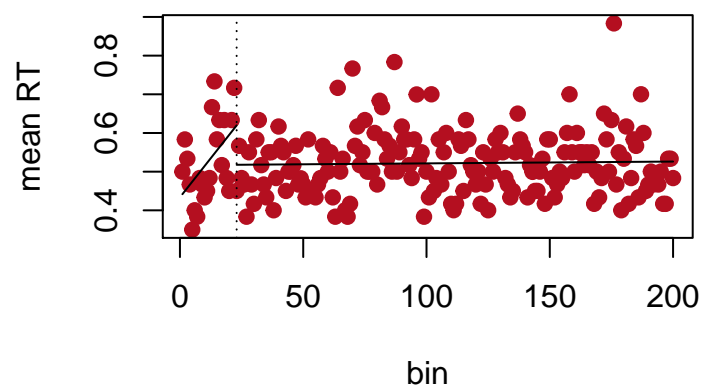


Figure 19: sub-519

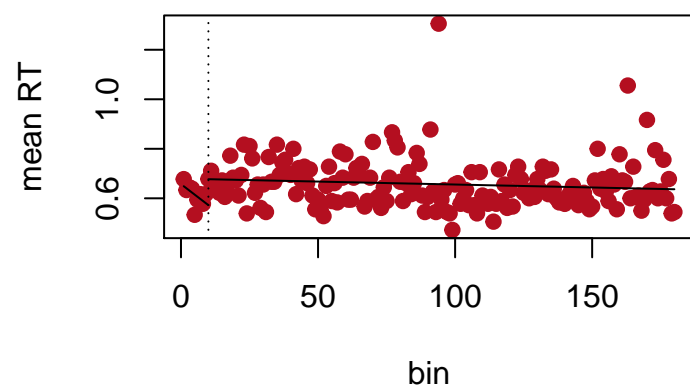


Figure 20: sub-520

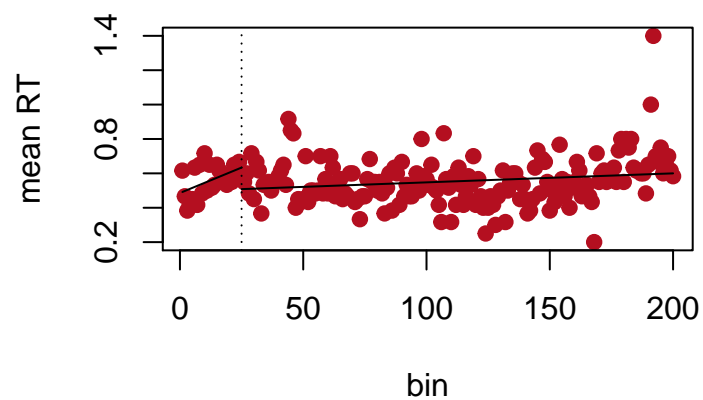


Figure 21: sub-521

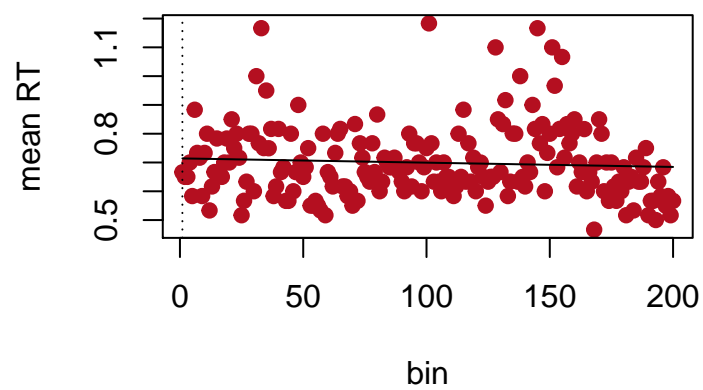


Figure 22: sub-522

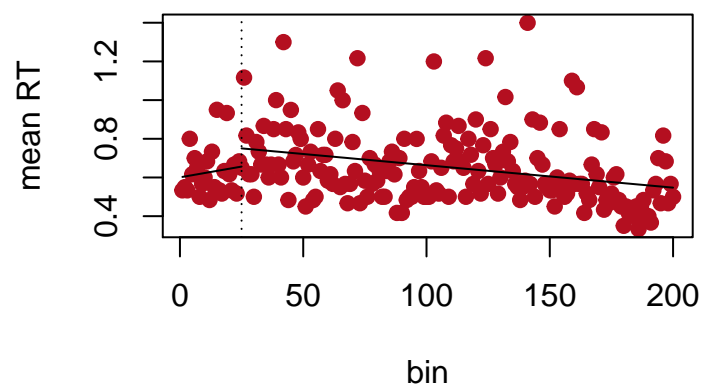


Figure 23: sub-523

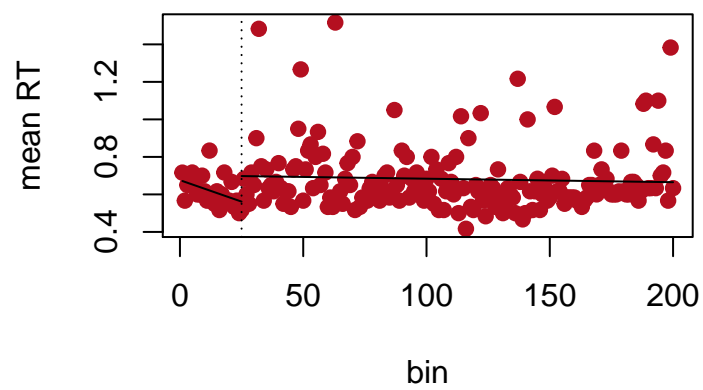


Figure 24: sub-524

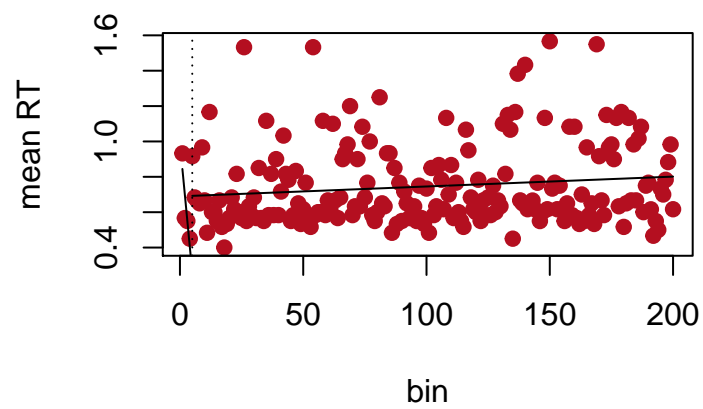


Figure 25: sub-525

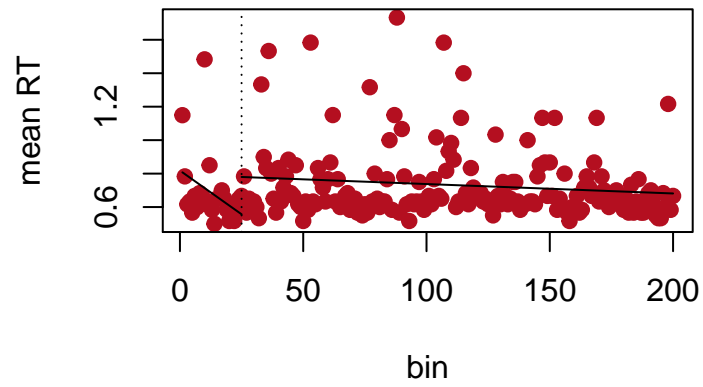


Figure 26: sub-526