MDB_issue

Anna Trendl

24 January 2019

```r
vlines <- unique(all.days[England_lost == TRUE | England_draw == TRUE | England_win == TRUE, c("England_lost", "England_draw", "England_wi
vlines <- melt(vlines, id.vars = "Date", measure.vars = c("England_lost", "England_draw", "England_win"))
vlines <- vlines[value == TRUE, c("Date", "variable")]

vlines
```

```
##          Date      variable
##  1: 2010-06-27 England_lost
##  2: 2012-06-24 England_lost
##  3: 2014-06-14 England_lost
##  4: 2014-06-19 England_lost
##  5: 2016-06-27 England_lost
##  6: 2010-06-12 England_draw
##  7: 2010-06-18 England_draw
##  8: 2012-06-11 England_draw
##  9: 2014-06-24 England_draw
## 10: 2016-06-11 England_draw
## 11: 2016-06-20 England_draw
## 12: 2010-06-23  England_win
## 13: 2012-06-15  England_win
## 14: 2012-06-19  England_win
## 15: 2016-06-16  England_win
```

```r
ggplot(data = alcbyday, aes(Transaction.Date, N)) + geom_line() +
  geom_vline(data = vlines,aes(xintercept = Date, colour = variable), linetype = 4) +
  theme(text = element_text(size= 20))
```