

PerformanceChange

```
##      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.
## 0.06349  0.87350  0.99930  1.05700  1.13600 16.00000

##      Min.   1st Qu.   Median     Mean   3rd Qu.     Max.
## -0.8466000 -0.0676500 -0.0004403 -0.0020570  0.0646600  0.8375000
```

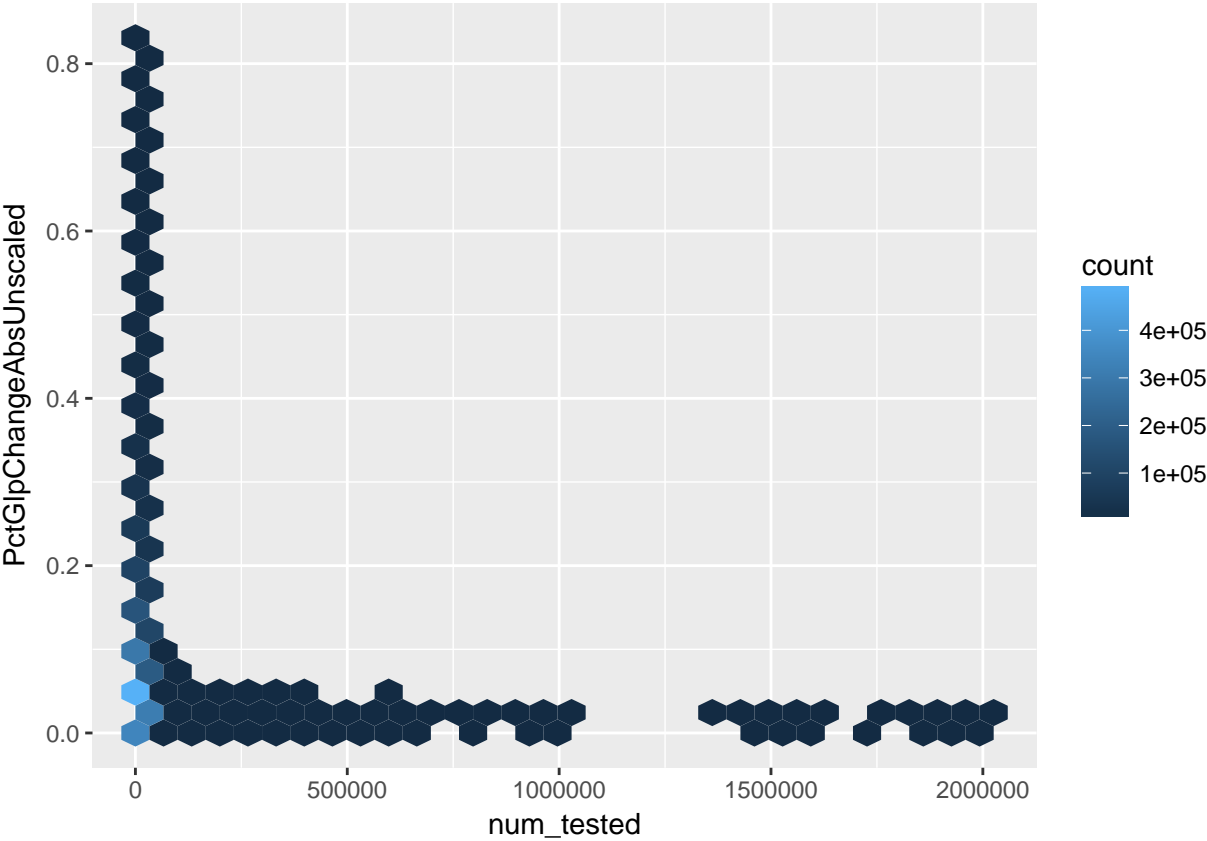
Why are some of the unscaled changes so high?

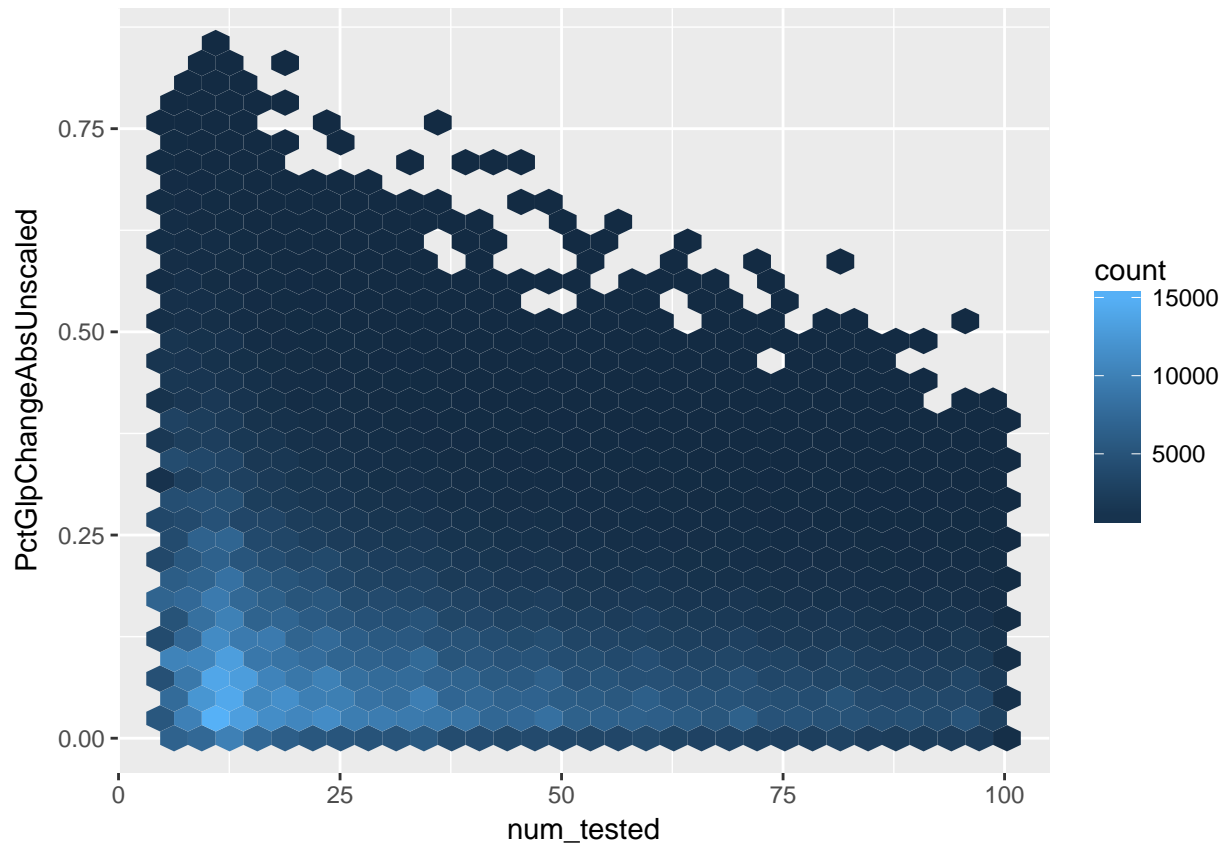
```
##      0.1%      1%      2%      3%
## 0.000000000 0.000000000 0.001181429 0.002463054

##      99.9%      99%      98%      97%
## 0.61111111 0.4333333 0.3725490 0.3333333

## [1] 0.04320322

##      0%      25%      50%      75%     100%
## 0.00000000 0.02839442 0.06653251 0.13105413 0.84659091
```

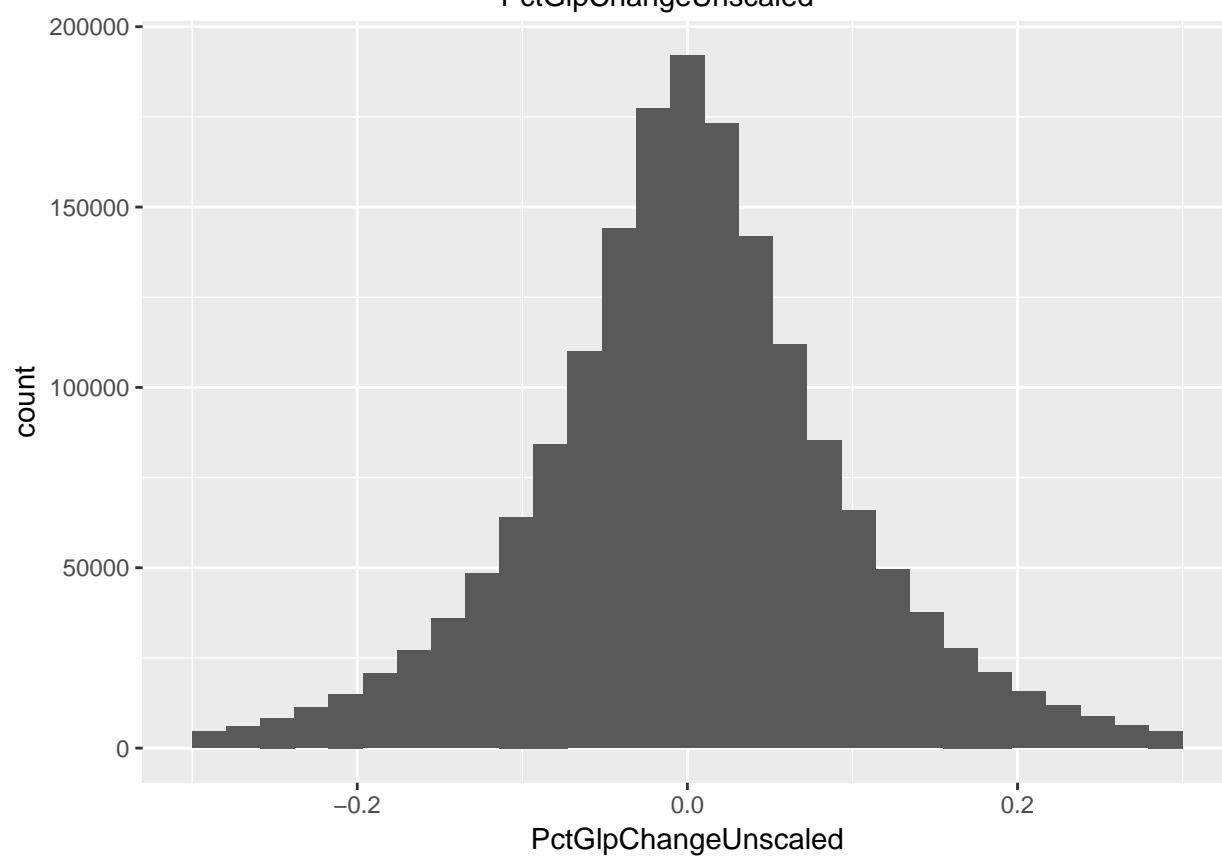
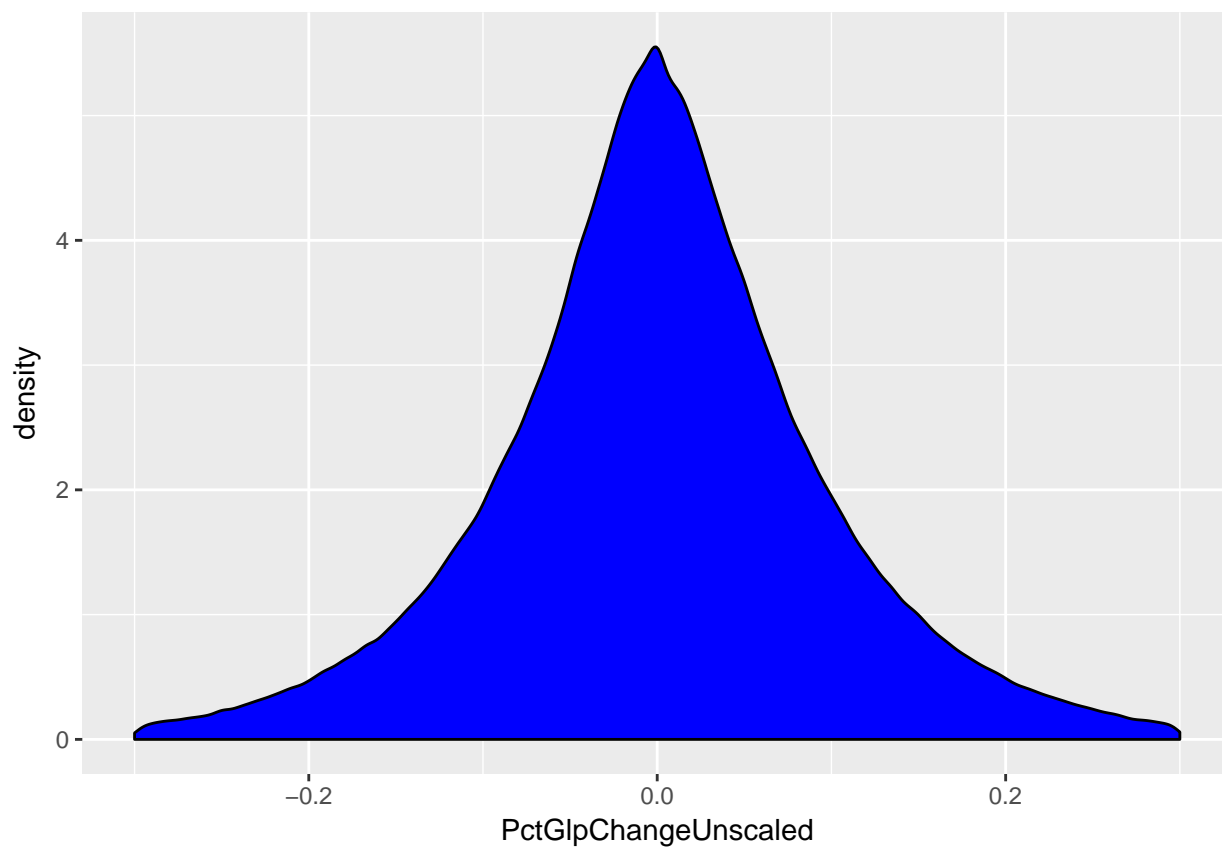


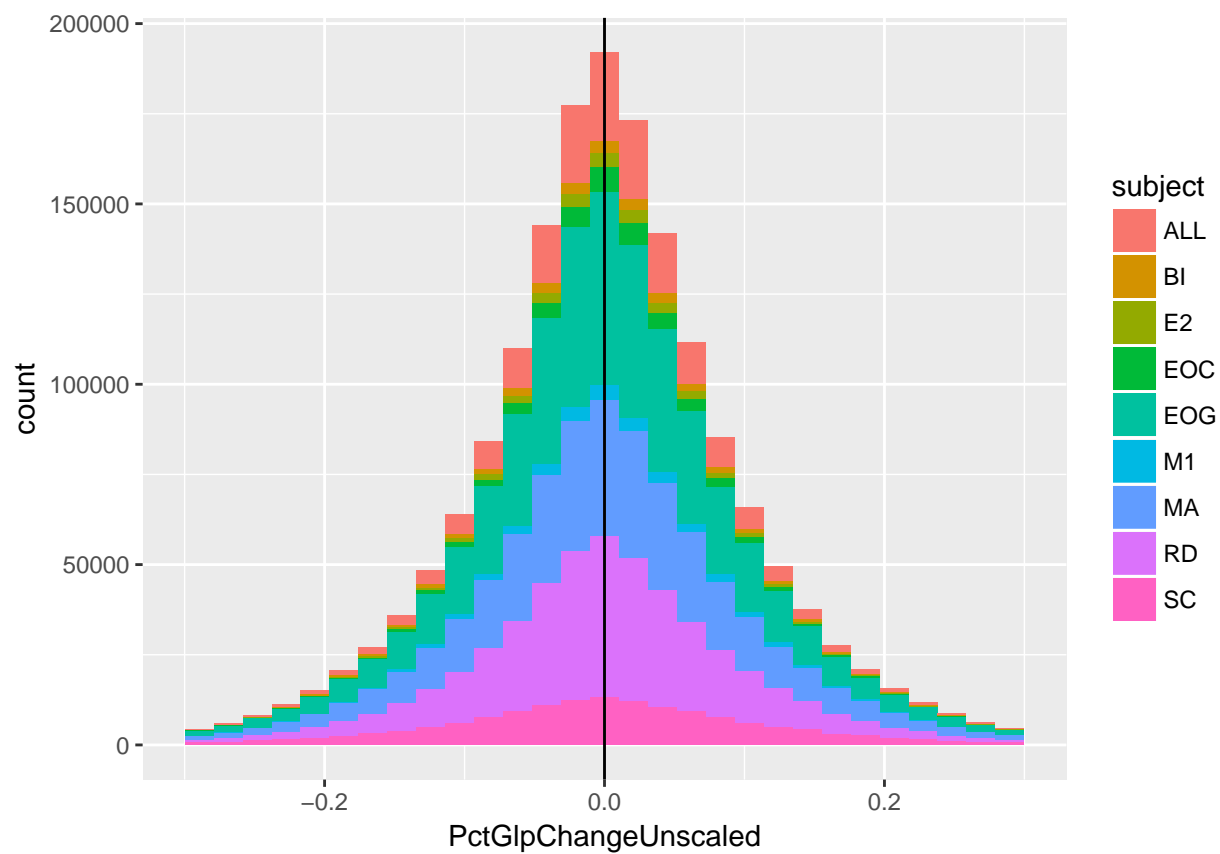
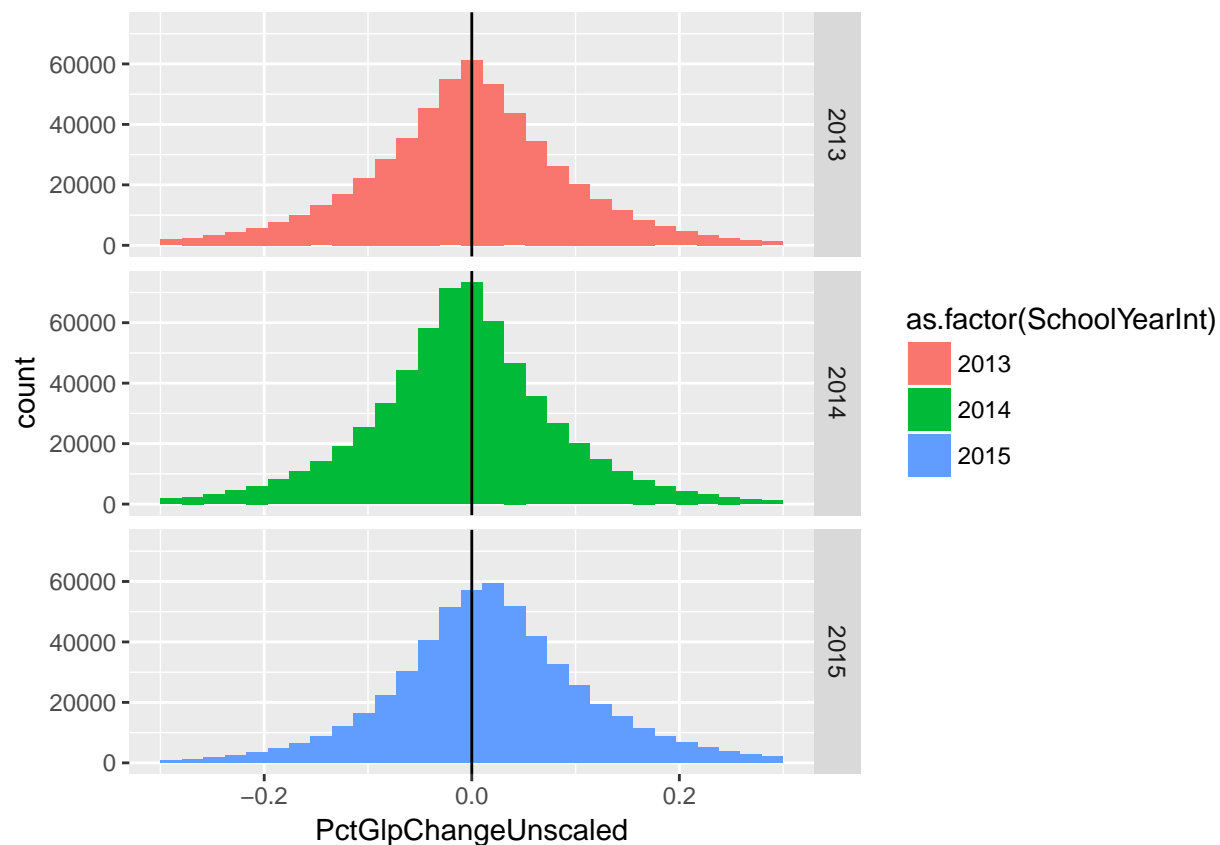


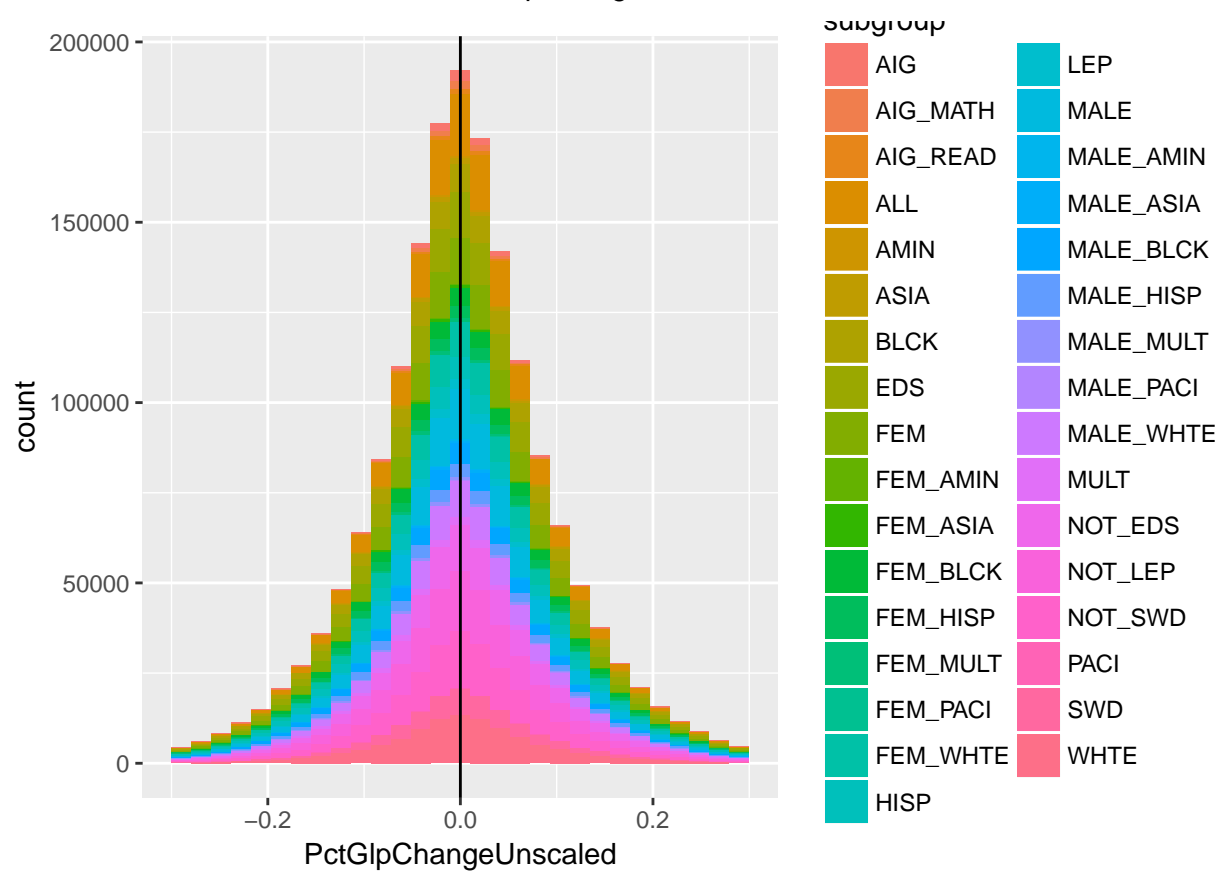
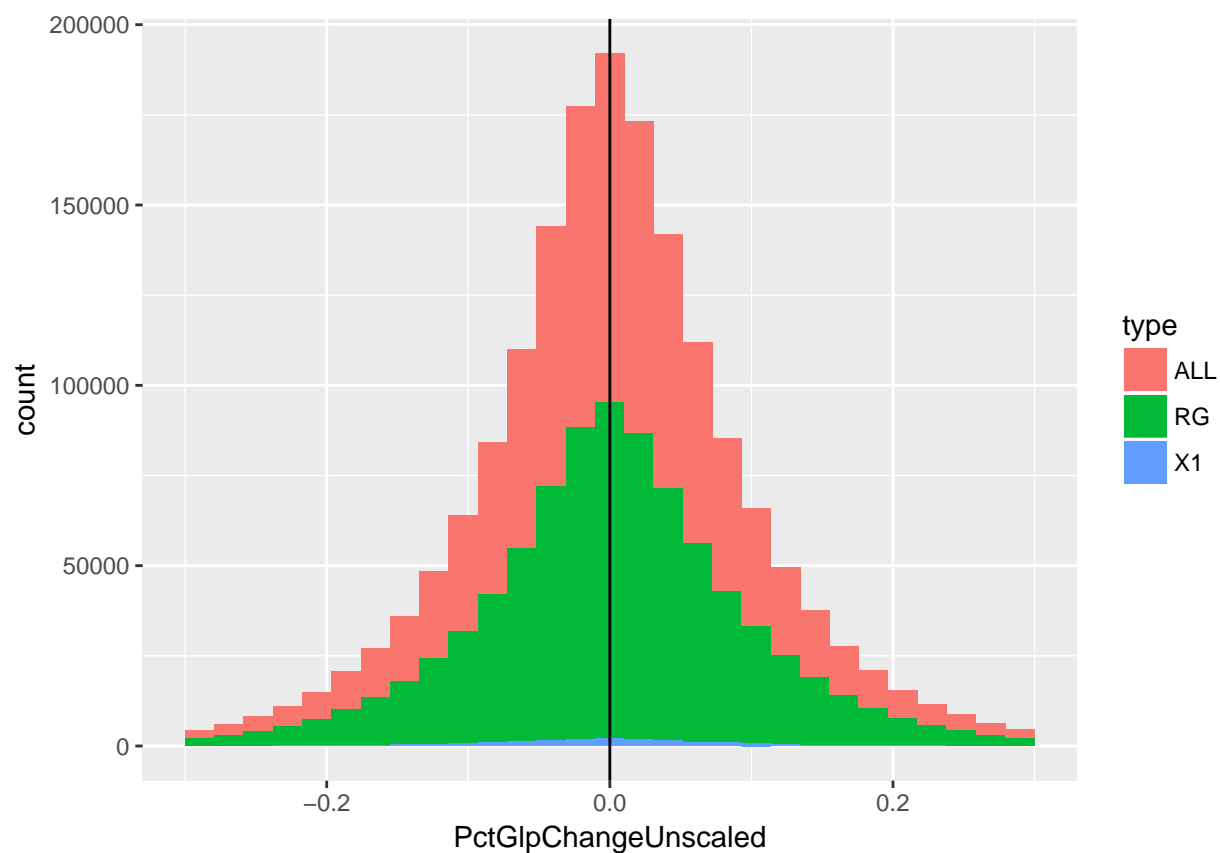
```
## # A tibble: 2,313,022 × 14
##   school_code grade_span subject gradeFactor type subgroup SchoolYearInt
##   <chr>      <chr>    <chr>      <ord> <chr>    <chr>      <int>
## 1    NC-SEA    <NA>      ALL        ALL   ALL     ALL        2013
## 2    NC-SEA    <NA>      ALL        ALL   ALL     ALL        2014
## 3    NC-SEA    <NA>      ALL        ALL   RG      ALL        2014
## 4    NC-SEA    <NA>      ALL        ALL   RG      ALL        2013
## 5    NC-SEA    <NA>      ALL        ALL   ALL     NOT_LEP    2013
## 6    NC-SEA    <NA>      ALL        ALL   ALL     NOT_LEP    2014
## 7    NC-SEA    <NA>      ALL        ALL   RG      NOT_LEP    2014
## 8    NC-SEA    <NA>      ALL        ALL   RG      NOT_LEP    2013
## 9    NC-SEA    <NA>      ALL        ALL   ALL     NOT_SWD    2015
## 10   NC-SEA    <NA>      ALL        ALL   RG      NOT_SWD    2013
## # ... with 2,313,012 more rows, and 7 more variables: num_tested <int>,
## #   pct_glp <dbl>, CurrentGLP <dbl>, PriorGLP <dbl>, PctGlpChange <dbl>,
## #   PctGlpChangeUnscaled <dbl>, PctGlpChangeAbsUnscaled <dbl>
```

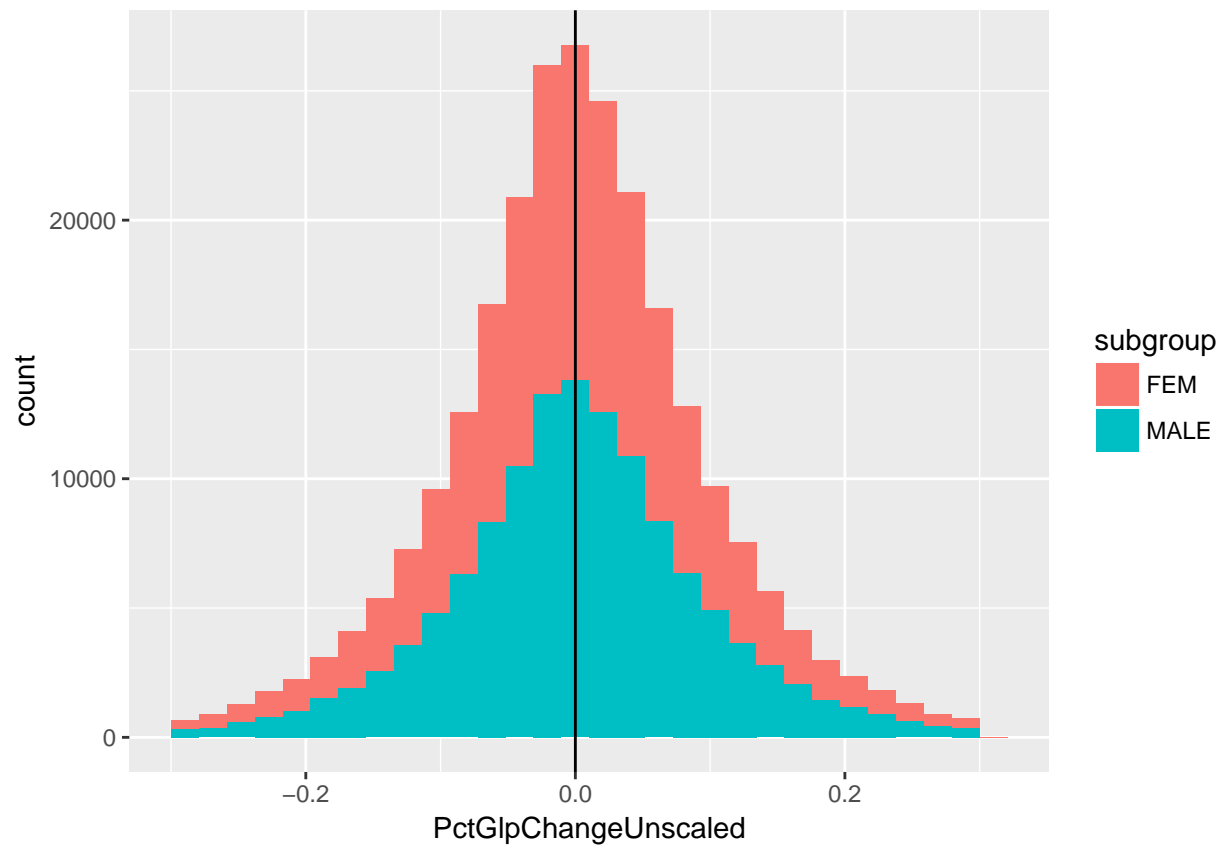
Work with unscaled changes lte 25%

```
## [1] 0.01359523
```









```
## # A tibble: 2 × 2
##   subgroup TotalTested
##   <chr>      <int>
## 1     FEM    67569193
## 2     MALE    70844486

## chr "dfDisag"
## chr "dfGender"
## chr "dfPlot"
## chr "dfYearToYear"
## chr "dfYearToYearSmallSize"
## chr "dfYearToYearTrunc"
## chr "plt"
## chr "pltBySubGroup"
## chr "pltBySubject"
## chr "pltByType"
## chr "pltByYear"
## chr "pltGender"
## chr "pltOverall"

## NULL
```