R Notebook

### Area of investigation

This report is specifically looking at CHROM\_2.

## ── Attaching packages ─────────────────────────────────────────────────────────────────────────────────────────────── tidyverse 1.2.1 ──

## ✔ ggplot2 3.0.0 ✔ purrr 0.2.4  
## ✔ tibble 1.4.2 ✔ dplyr 0.7.4  
## ✔ tidyr 0.8.1 ✔ stringr 1.3.1  
## ✔ readr 1.1.1 ✔ forcats 0.3.0

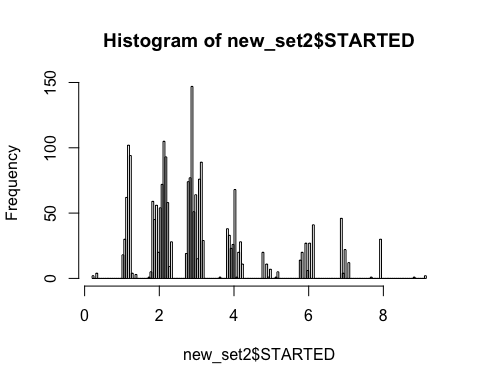
## ── Conflicts ────────────────────────────────────────────────────────────────────────────────────────────────── tidyverse\_conflicts() ──  
## ✖ dplyr::filter() masks stats::filter()  
## ✖ dplyr::lag() masks stats::lag()

##   
## Attaching package: 'lubridate'

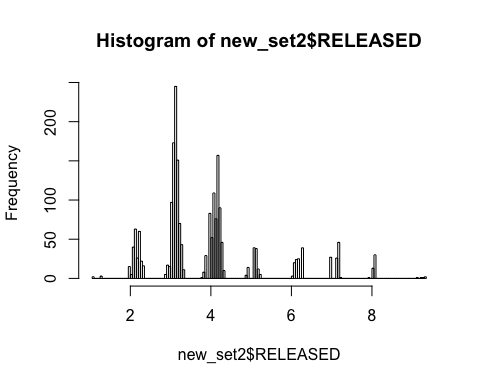
## The following object is masked from 'package:base':  
##   
## date

Possible other areas are CHROM\_1, WET\_CHEM, PHYSICAL, CHROM\_2, CHROM\_3, GRAVIMTRIC, NA, METALS, CH\_COUNCIL, INNOVATION, COMPOSITN, CALC, SAMP\_PREP, GENERAL

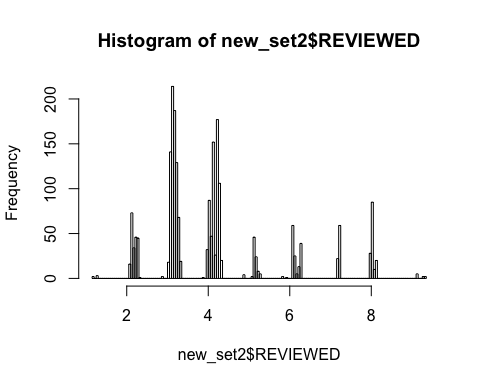
hist(new\_set2$STARTED,  
 breaks = 240)



hist(new\_set2$RELEASED,  
 breaks = 240)



hist(new\_set2$REVIEWED,  
 breaks = 240)



new\_set2 <- na.omit(new\_set2)  
  
summary.set <- new\_set2 %>%  
 group\_by(ANALYSIS) %>%  
 summarise(n = n(),   
 ave.start = round(mean(STARTED),2),   
 `95.pct.started` = round(quantile(STARTED, 0.95),2),  
 `95.pct.test.TAT` = round(quantile(RELEASED,0.95),2),  
 `95.pct.project.TAT` = round(quantile(REVIEWED,0.95),2))  
   
summary.set

## # A tibble: 1 x 6  
## ANALYSIS n ave.start `95.pct.started` `95.pct.test.TAT`  
## <chr> <int> <dbl> <dbl> <dbl>  
## 1 AFLA090615 2112 3.02 6.88 7.13  
## # ... with 1 more variable: `95.pct.project.TAT` <dbl>