ida-gossip-analysis

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First Chunk Delivery

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    20.0   159.0   189.0   201.9   220.0  4658.0
```

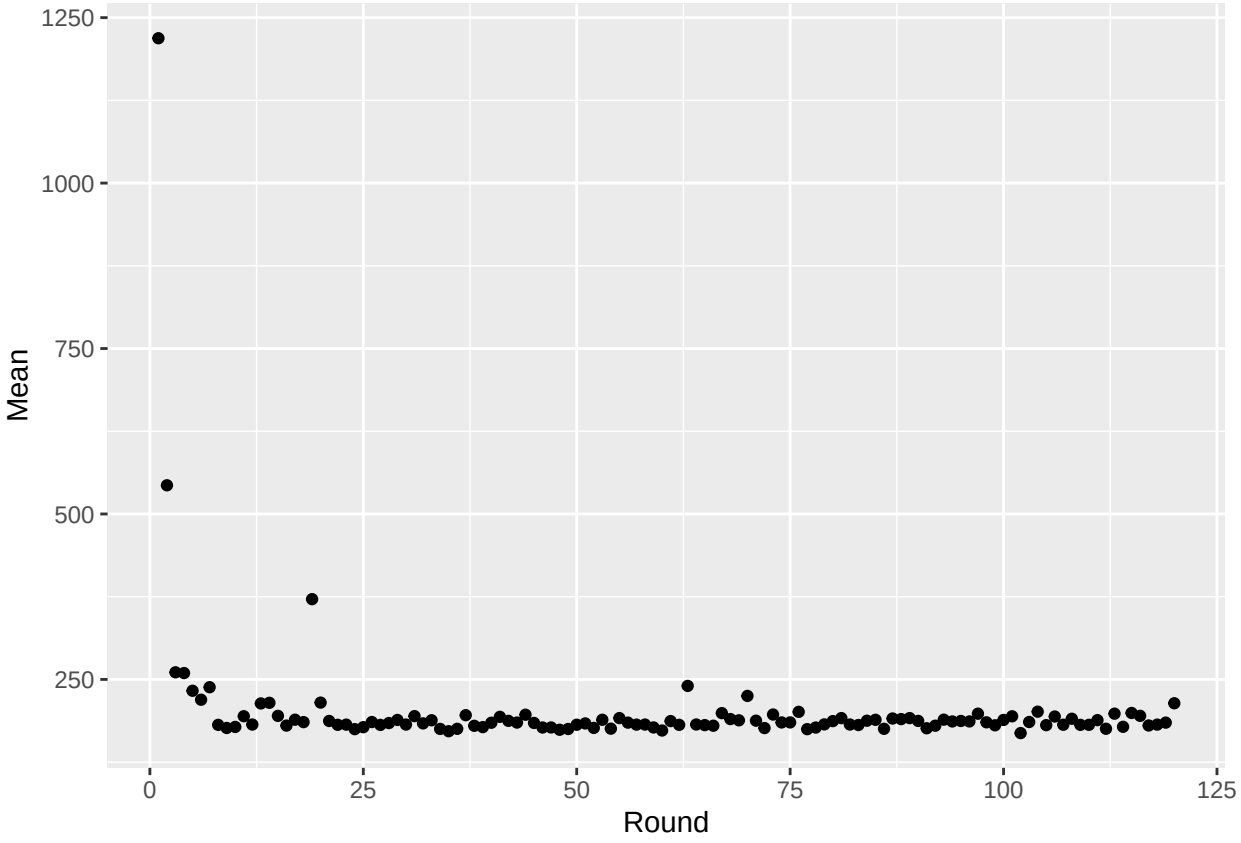
```
## [1] 201.2149
```

```
## [1] 201.9377
```

```
## [1] 202.6604
```

```
## [1] 129.2688
```

```
## `summarise()` ungrouping output (override with `.groups` argument)
```



Message Delivery

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    6964   10936   11821   11811   12719   19610
```

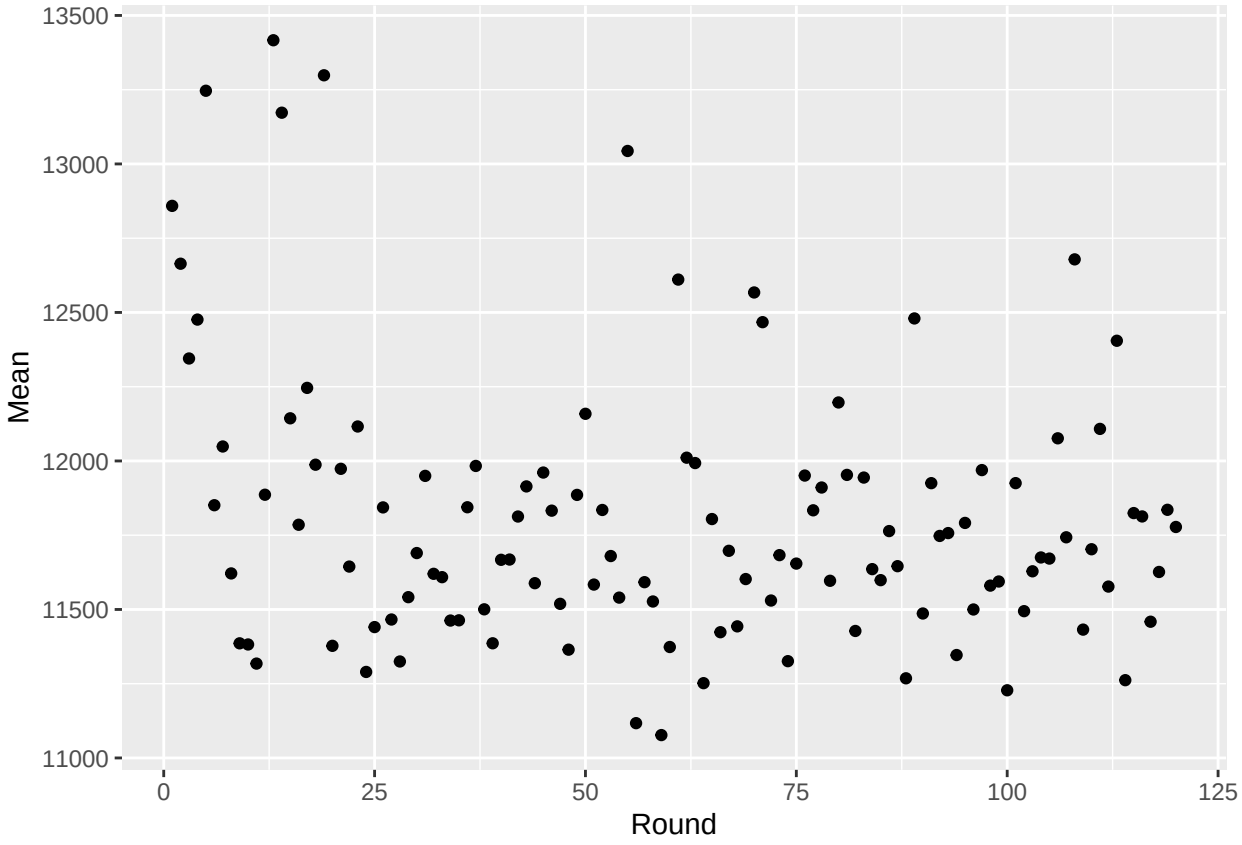
```
## [1] 11805.99
```

```
## [1] 11810.94
```

```
## [1] 11815.88
```

```
## [1] 1250.298
```

```
## `summarise()` ungrouping output (override with `.groups` argument)
```



First chunk delivery cummulative sum

```
row_count <- nrow(first_chunk_df)

row_count
```

```
## [1] 122880
```

```
row_order_vector <- 1:row_count

first_chunk_df <- first_chunk_df %>% arrange(Value)
first_chunk_df$RowOrder <- row_order_vector

first_chunk_df <- first_chunk_df %>% mutate(
```

```
  Percentatile = RowOrder*100/row_count
)


first_chunk_df <- first_chunk_df %>% filter(Percentatile < 99.1)

png("first_chunk_delivery_cummulative.png")

ggplot(first_chunk_df, aes(x=Value, y=Percentatile)) + geom_point() + xlab("Delivery Time(ms)") + ylab(

dev.off()
```

```
## pdf
##   2
```