# Max Heritability Plot

*Vivek Sriram*

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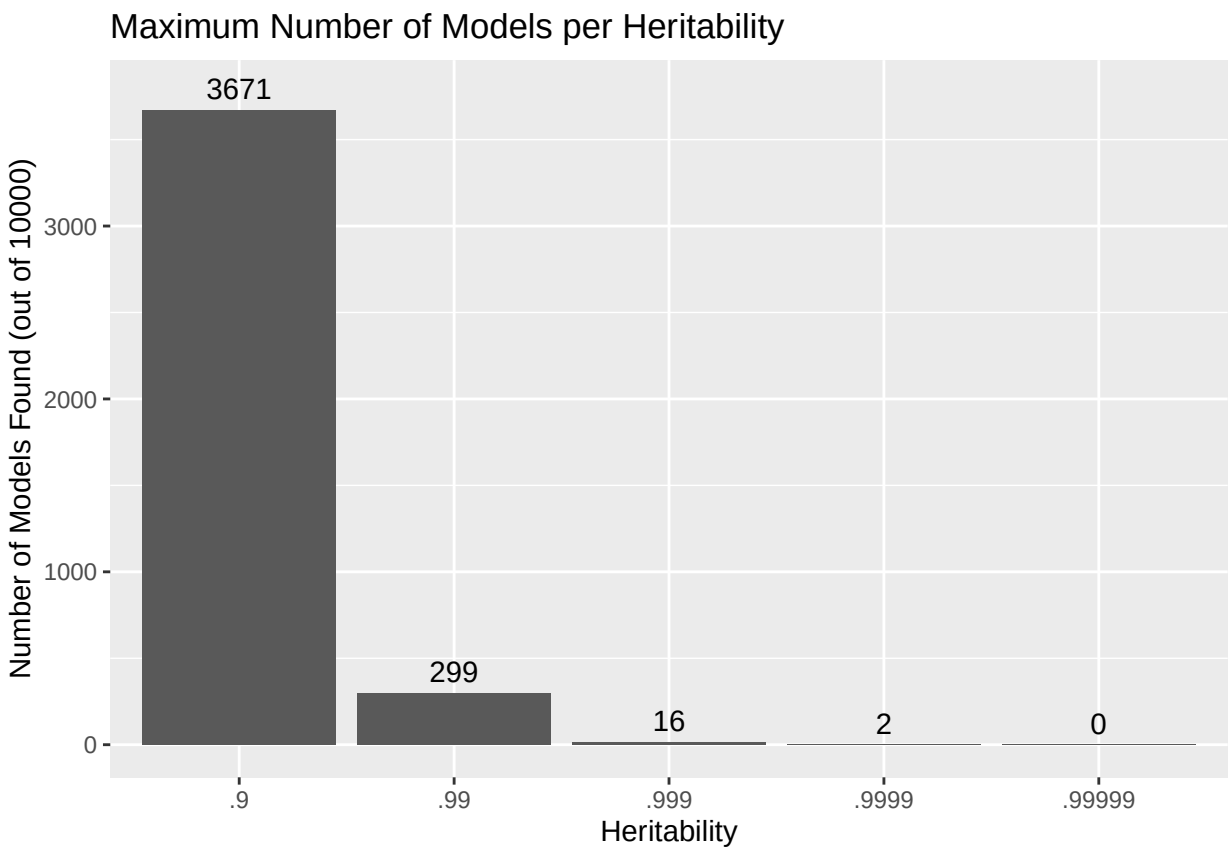
```
library(ggplot2)
library(knitr)
library(kableExtra)
```

```
maxHeritabilityDf = data.frame(matrix(ncol = 2, nrow = 5))
colnames(maxHeritabilityDf) = c("heritability", "numModelsFound")
maxHeritabilityDf$heritability = c(".9", ".99", ".999", ".9999", ".99999")
maxHeritabilityDf$numModelsFound = c(3671, 299, 16, 2, 0)
```

```
maxHerPlot = ggplot(maxHeritabilityDf, aes(x = heritability, y = numModelsFound, ymax = max(maxHeritabil
  geom_col() +
  scale_x_discrete("Heritability") +
  scale_y_continuous("Number of Models Found (out of 10000)") +
  geom_text(aes(label=numModelsFound), position=position_dodge(width=0.6), vjust=-0.5) +
  ggtitle("Maximum Number of Models per Heritability")

maxHerPlot
```




```
ggsave("/Users/viveksriram/Desktop/GAMETES-2.2/src/testingEffectsOfHeritability/maxHeritabilityTests/nu
```

```
## Saving 6.5 x 4.5 in image
```

```r
text_tbl <- data.frame(
  Heritability = c(".9", ".99", ".999", ".9999", ".99999"),
  "Number of Features Identified (out of 10^4)" = c(3671, 299, 16, 2, 0)
)

kable(text_tbl)  %>%
  kable_styling()
```

| Heritability | Number.of.Features.Identified..out.of.10.4. |
|---|---|
| .9 | 3671 |
| .99 | 299 |
| .999 | 16 |
| .9999 | 2 |
| .99999 | 0 |