week8-part2

Haily Kil

March 6, 2017

```r
library(ggplot2)
setwd("/home/eeb177-student/Desktop/eeb-177/homework-folder/week-8-hw/")
felis <- read.csv("/home/eeb177-student/Desktop/eeb-177/homework-folder/week-8-hw/felis_3.csv", header =
names(felis) <- c("occurrence_no", "record_type", "reid_no", "flags", "collection_no", "accepted_name",
head(felis)
```

```
##   occurrence_no record_type reid_no flags collection_no        accepted_name
## 1        184431         occ    5442    NA         18076 Felis rexroadensis
## 2        186892         occ    6128    NA         18359 Felis rexroadensis
## 3        188048         occ    6535    NA         18573 Felis rexroadensis
## 4        188070         occ    6541    NA         18577 Felis rexroadensis
## 5        193443         occ    8514    NA         19703 Felis rexroadensis
## 6        193461         occ    8517    NA         19705 Felis rexroadensis
##   accepted_rank accepted_no   early_interval late_interval max_ma min_ma
## 1       species       46527 Late Hemphillian                  10.3  4.900
## 2       species       46527 Late Hemphillian                  10.3  4.900
## 3       species       46527 Late Hemphillian                  10.3  4.900
## 4       species       46527 Late Hemphillian                  10.3  4.900
## 5       species       46527           Piacenzian               3.6  2.588
## 6       species       46527             Blancan                4.9  1.800
##     NA
## 1 3585
## 2 6294
## 3 2374
## 4 6294
## 5 6294
## 6 6294
```
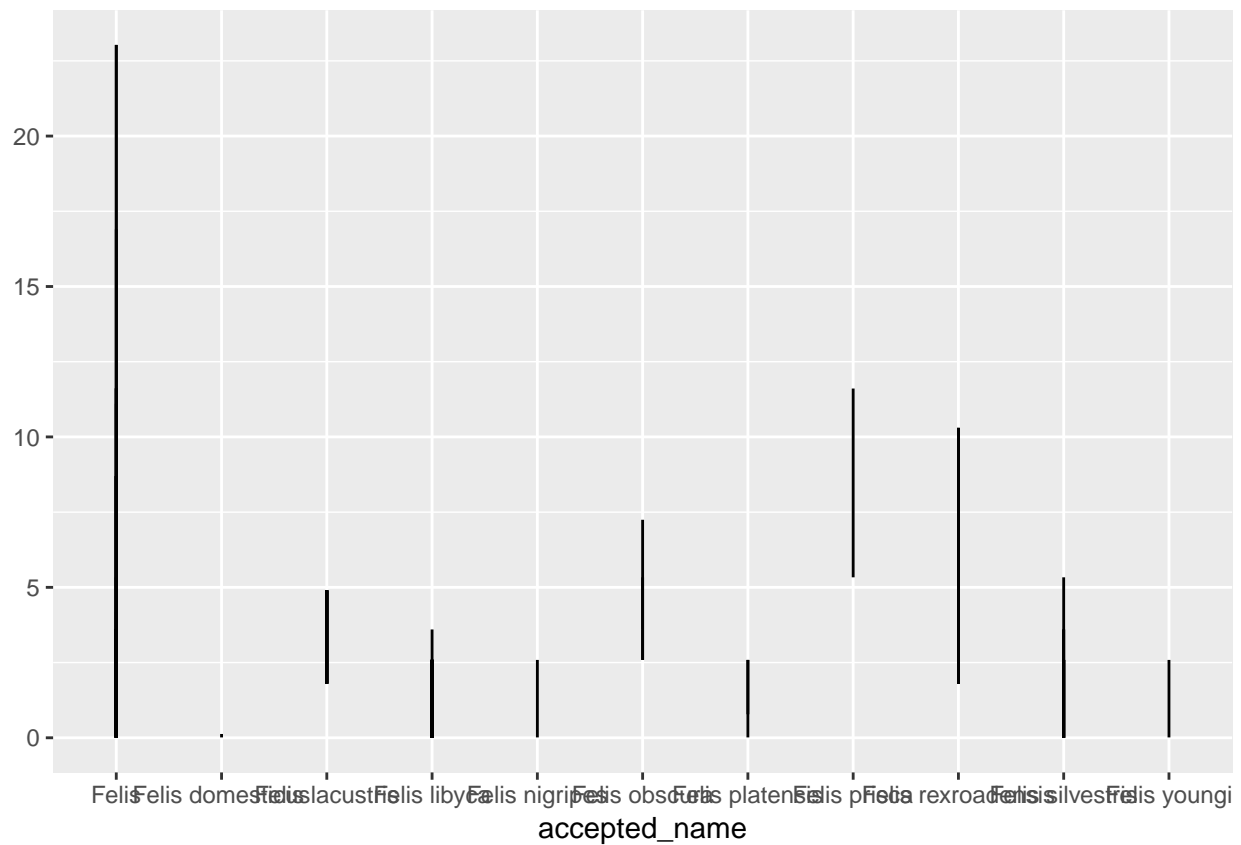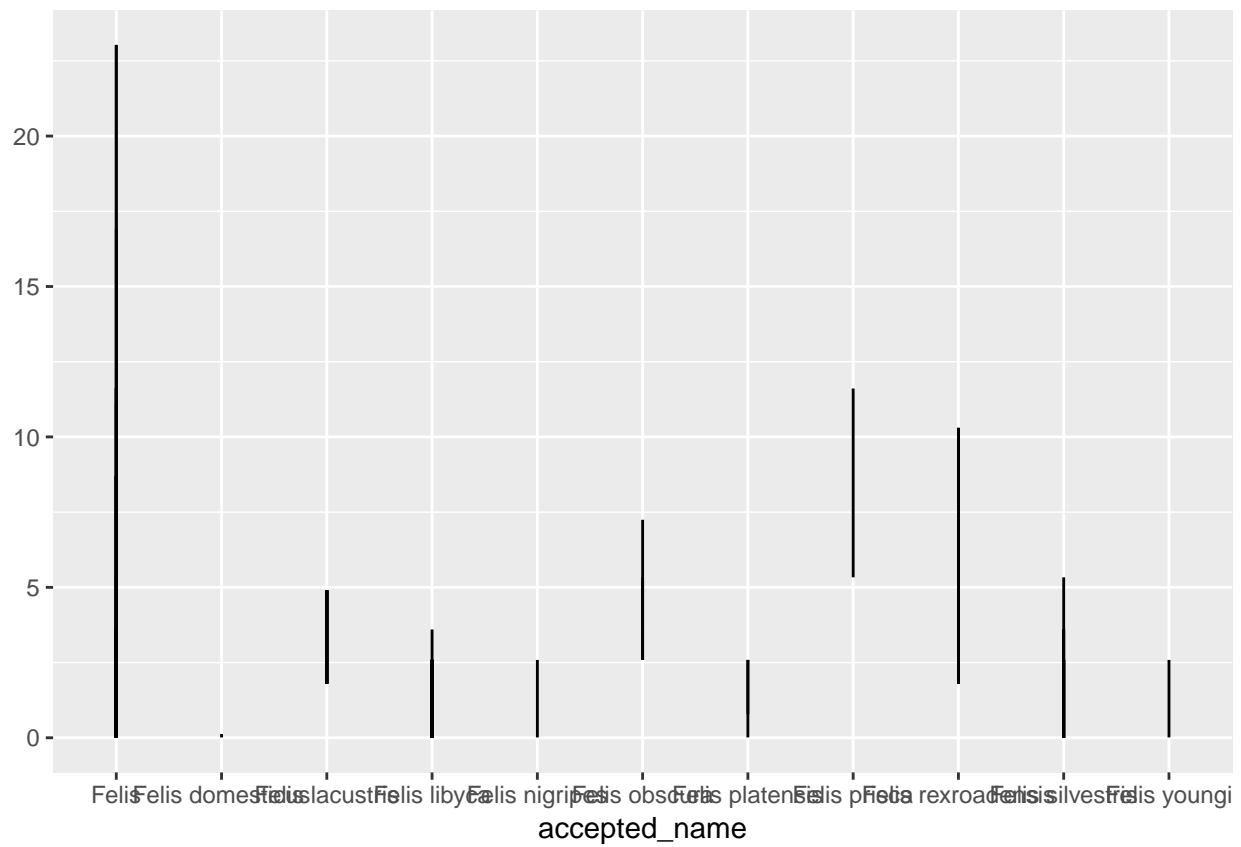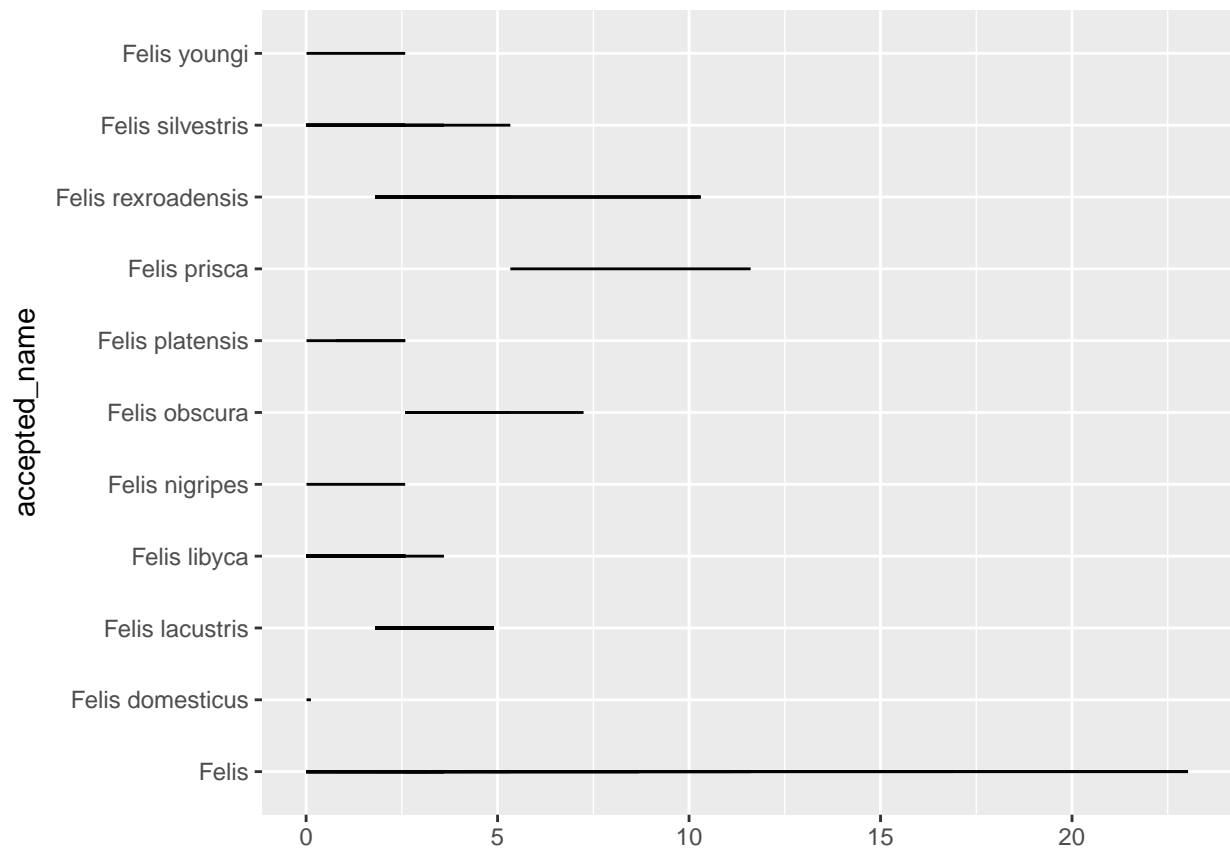
```r
felis_occ <- ggplot(felis, aes(accepted_name, ymax =max_ma, ymin=min_ma), color = accepted_rank)
felis_occ <- felis_occ + geom_linerange()
felis_occ
```
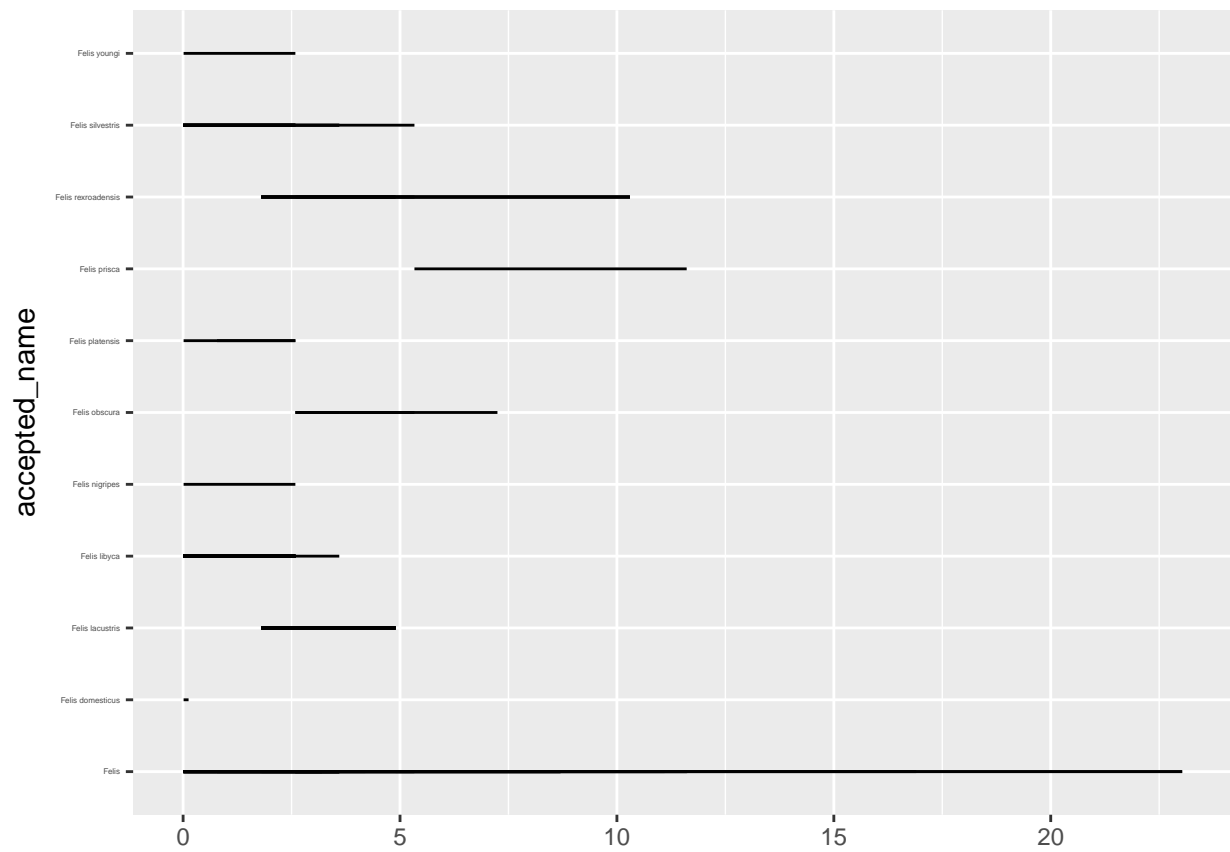
```
felis_occ <- felis_occ + theme(legend.position="none")
felis_occ
```
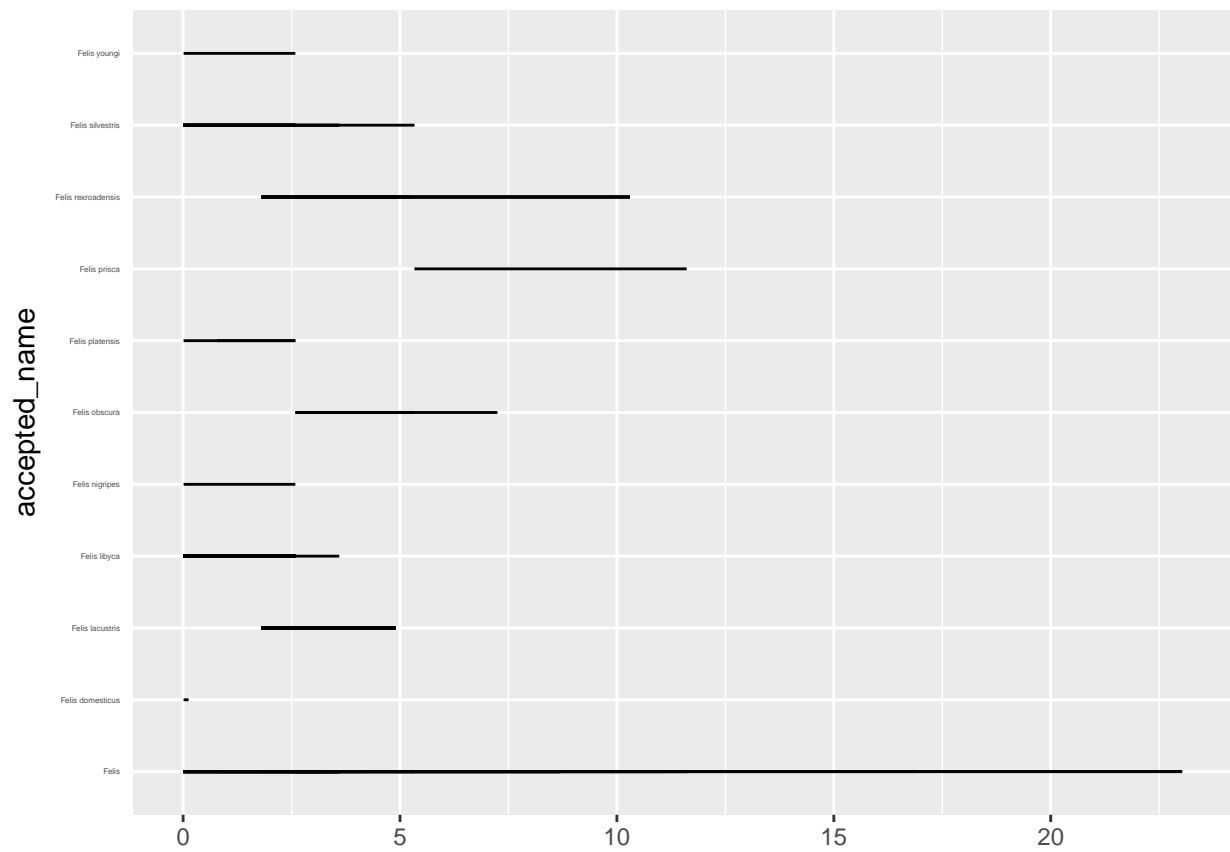
```
felis_occ <- felis_occ + coord_flip()
felis_occ
```
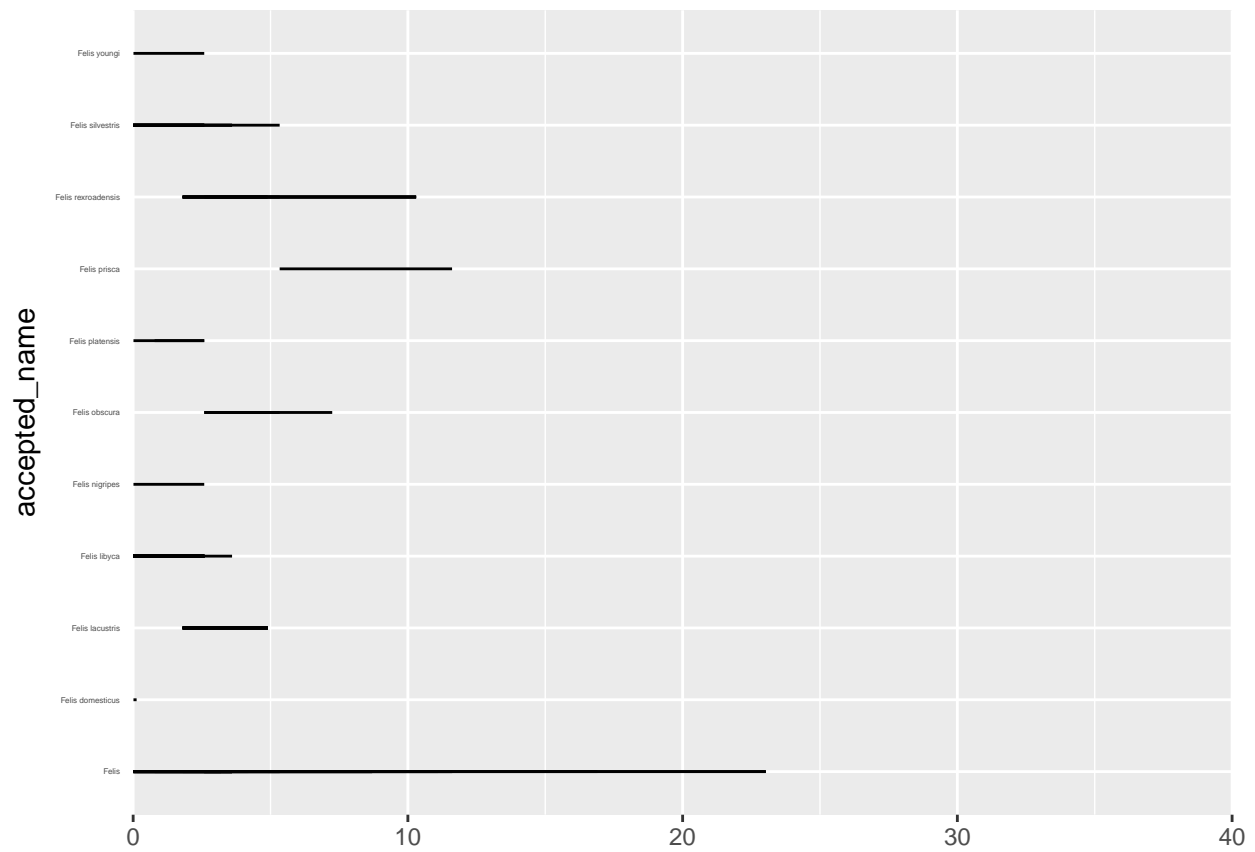
```
felis_occ <- felis_occ +  theme(axis.text.y = element_text(size=3))
felis_occ
```

```
felis_occ <- felis_occ + theme(axis.ticks.y=element_blank())
felis_occ
```
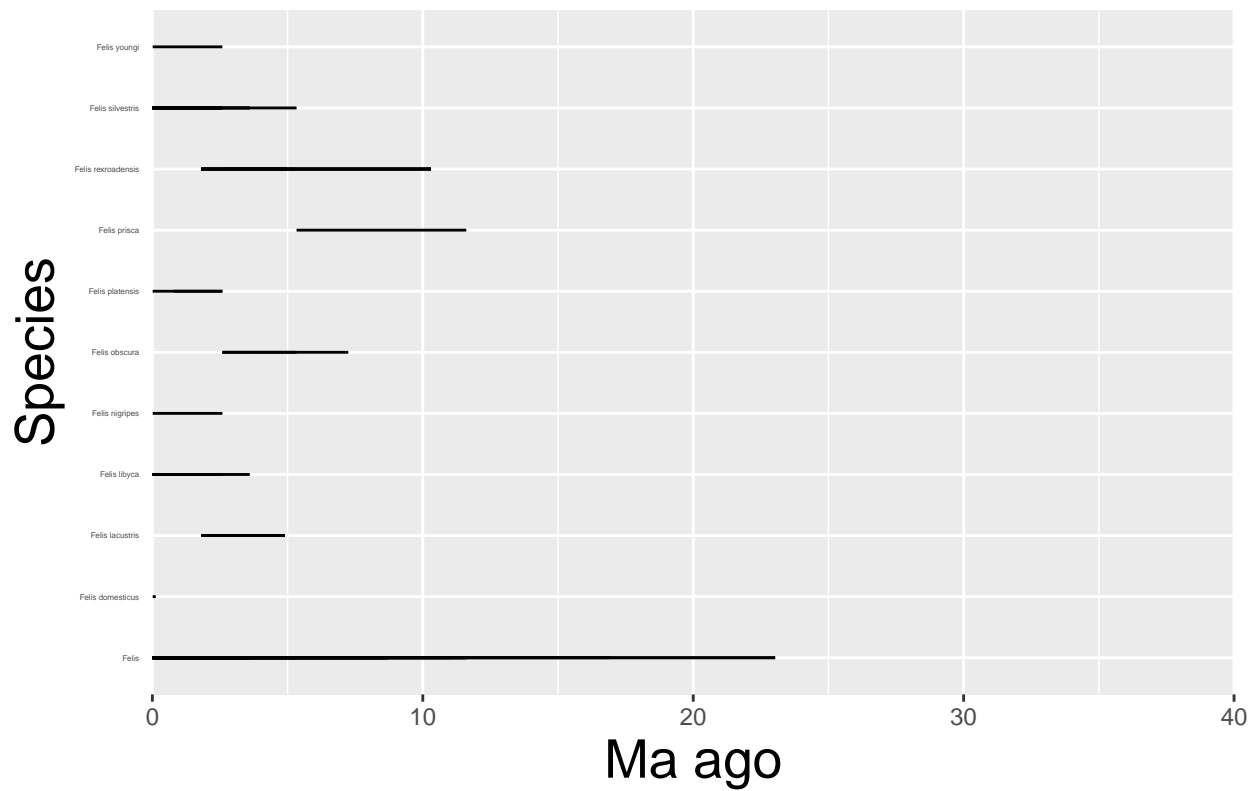
```r
felis_occ <- felis_occ + scale_y_continuous(limits=c(0, 40), expand = c(0, 0), breaks=c(0, 10, 20, 30, 4
felis_occ
```

```
felis_occ <- felis_occ + labs(title = "Felis Fossil Occurrences", x = "Species", y = "Ma ago") + theme(
felis_occ
```

Felis Fossil Occurrences


```
ggsave(filename = "felis-occ.pdf", plot = felis_occ)
```

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