

Testando o modelo Inext com dados simulados e reais do Pedro Vogeley

Primeiro vamos carregar as bibliotecas necessarias

```
library(readxl)
library(iNEXT)
```

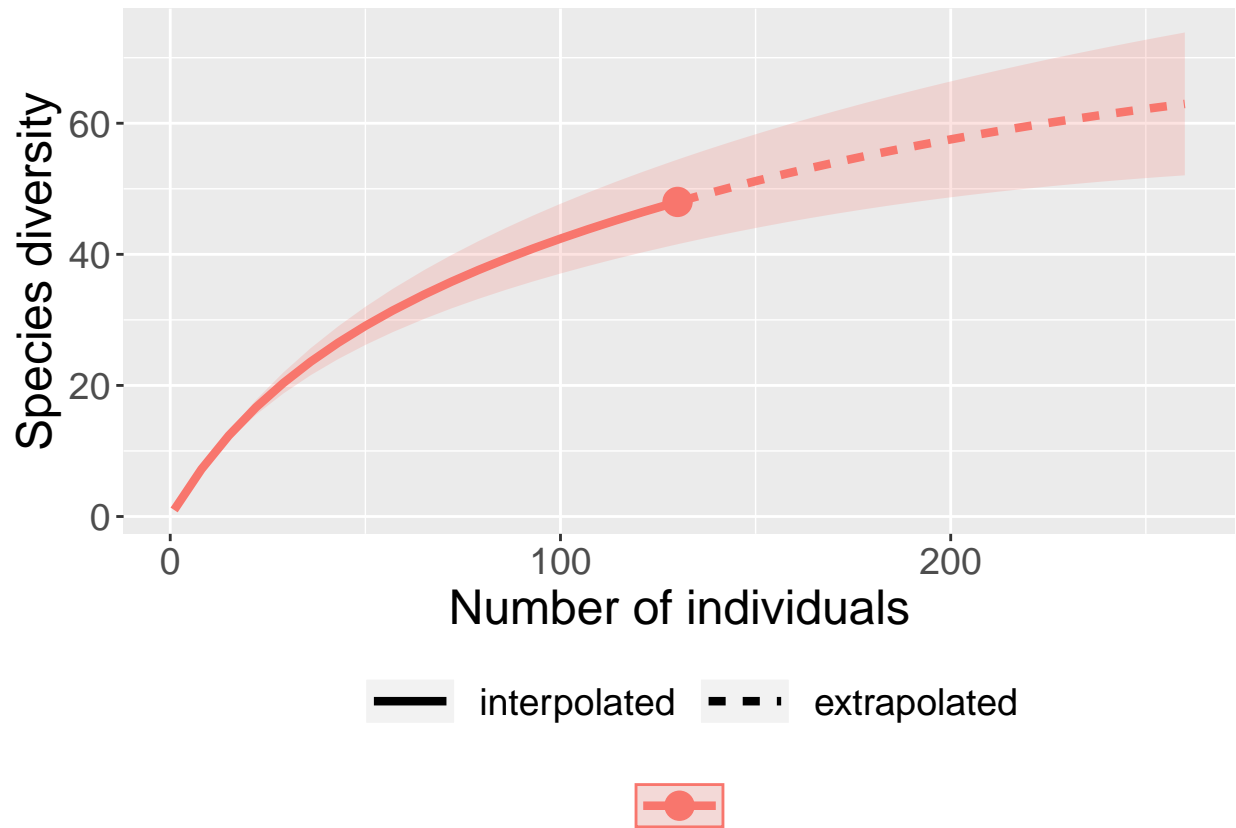
Agora vamos dar entrada dos dados Dois datasets de dados reais: mata e transecto Tres simulados: teste1 teste2 teste3

```
macmata <- read_excel("mac-mata.xlsx")
View(macmata)
mactransecto <- read_excel("mac-transecto.xlsx")
View(mactransecto)
macteste1 <- read_excel("mac-teste1.xlsx")
View(macteste1)
macteste2 <- read_excel("mac-teste2.xlsx")
View(macteste2)
macteste3 <- read_excel("mac-teste3.xlsx")
View(macteste3)
```

Agora vamos rodar as analises reais e simuladas

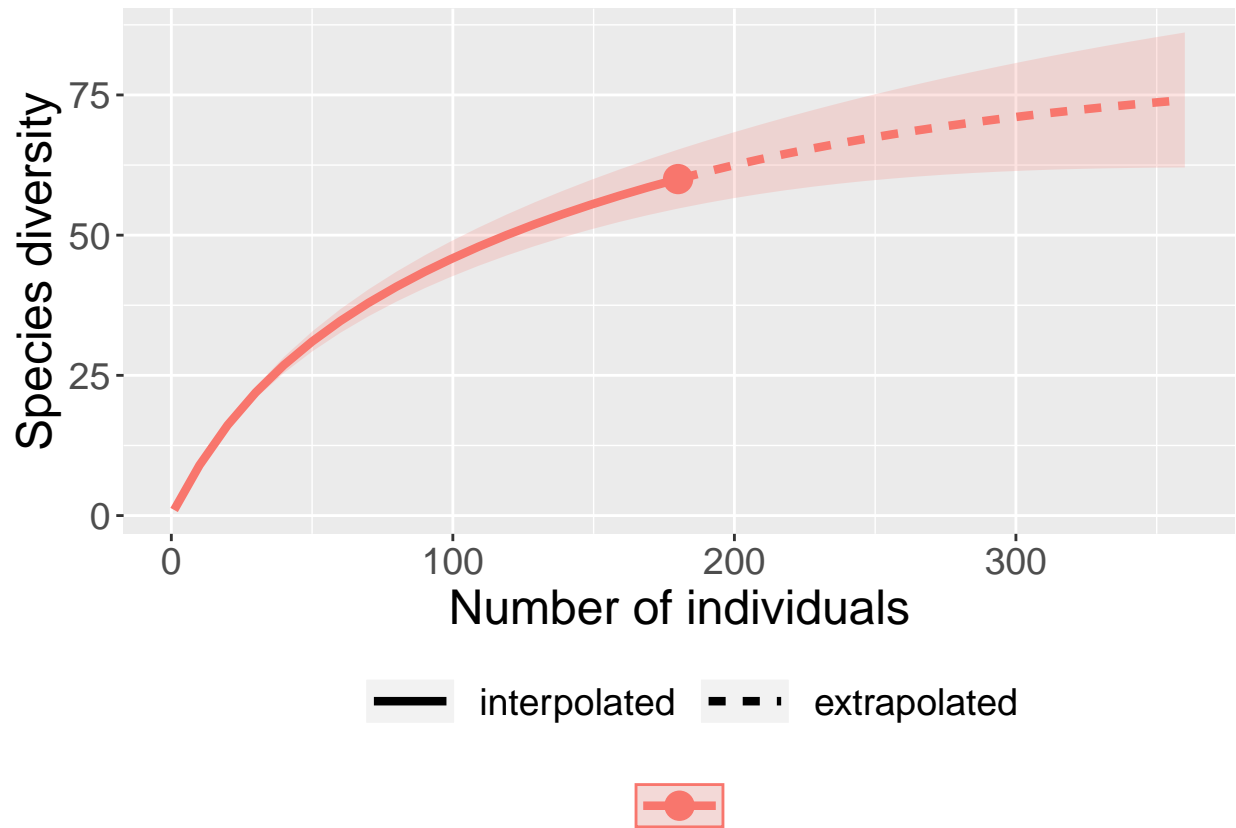
Primeiro os dados dos pontos da mata

```
dadomata <- iNEXT(macmata$conta, q=0, datatype = "abundance")
ggiNEXT(dadomata, type=1, se=TRUE, facet.var="none", color.var="site", grey=FALSE)
```



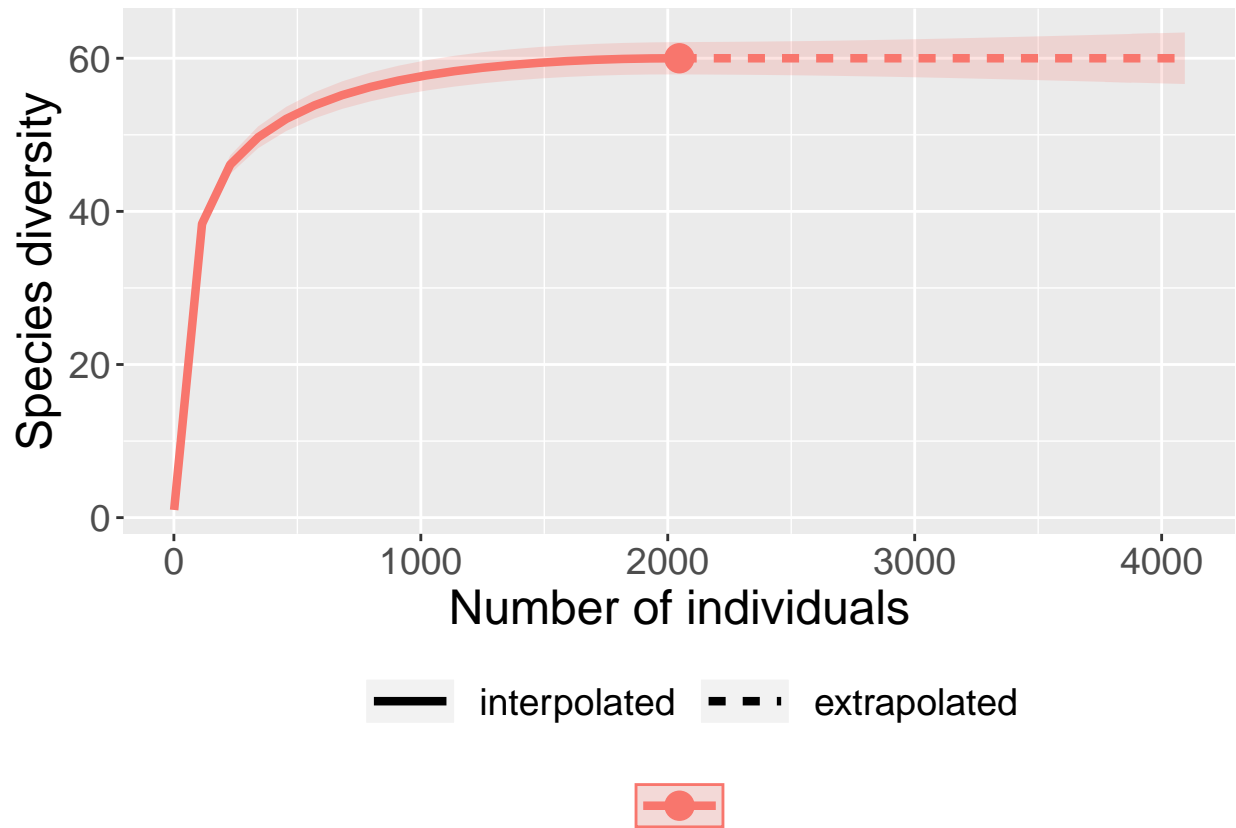
Agora os dados do transecto

```
dadotransecto <- iNEXT(mactransecto$conta, q=0, datatype = "abundance")
ggiNEXT(dadotransecto, type=1, se=TRUE, facet.var="none", color.var="site", grey=FALSE)
```



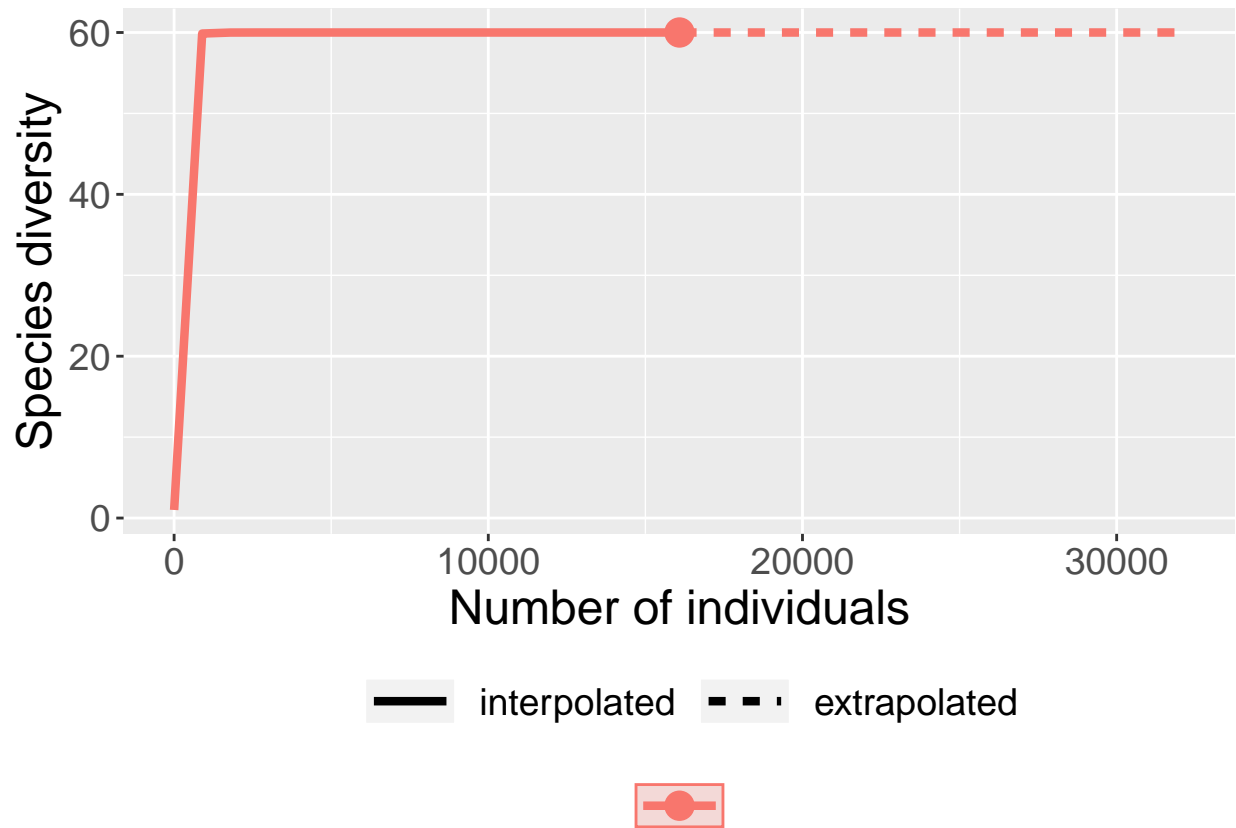
Agora os dados do teste 1

```
dadotest1 <-iNEXT(mactest1$conta, q=0, datatype = "abundance")  
ggiNEXT(dadotest1, type=1, se=TRUE, facet.var="none", color.var="site", grey=FALSE)
```



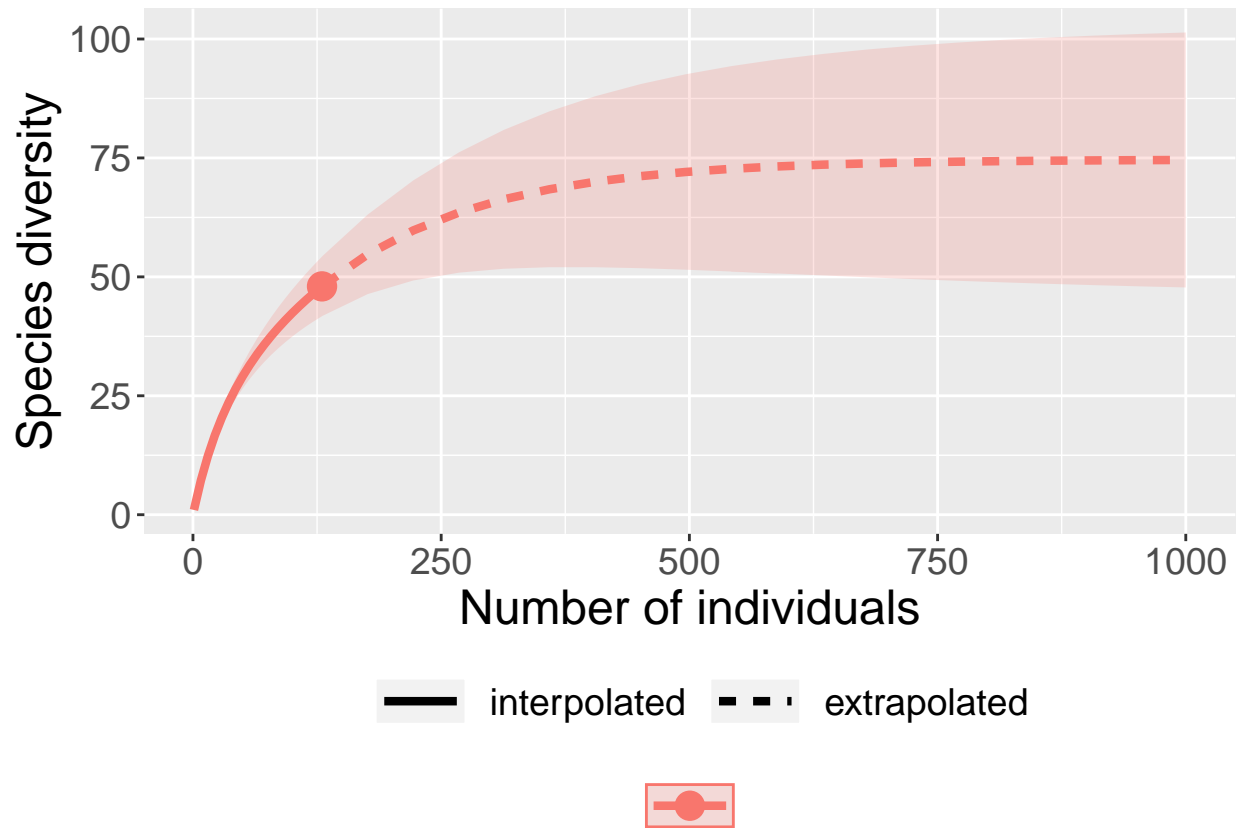
Agora os dados do teste 2

```
dadoteste2 <-iNEXT(macteste2$conta, q=0, datatype = "abundance")
ggiNEXT(dadoteste2, type=1, se=TRUE, facet.var="none", color.var="site", grey=FALSE)
```



Agora rodando 1000 vezes cada mata e transecto

```
dadomata1000 <- iNEXT(macmata$conta, q=0, datatype = "abundance", endpoint = 1000)
ggiNEXT(dadomata1000, type=1, se=TRUE, facet.var="none", color.var="site", grey=FALSE)
```



```
dadotransecto1000 <- iNEXT(mactransecto$conta, q=0, datatype = "abundance", endpoint = 1000)
ggiNEXT(dadotransecto1000, type=1, se=TRUE, facet.var="none", color.var="site", grey=FALSE)
```

