

# Say Hello to Multilingual Shiny Apps!

rstudio::conf 2022

Nicola Rennie



# Why translate your Shiny app?



< 20% of people speak English

# Why translate your Shiny app?

Select language:

English ▲

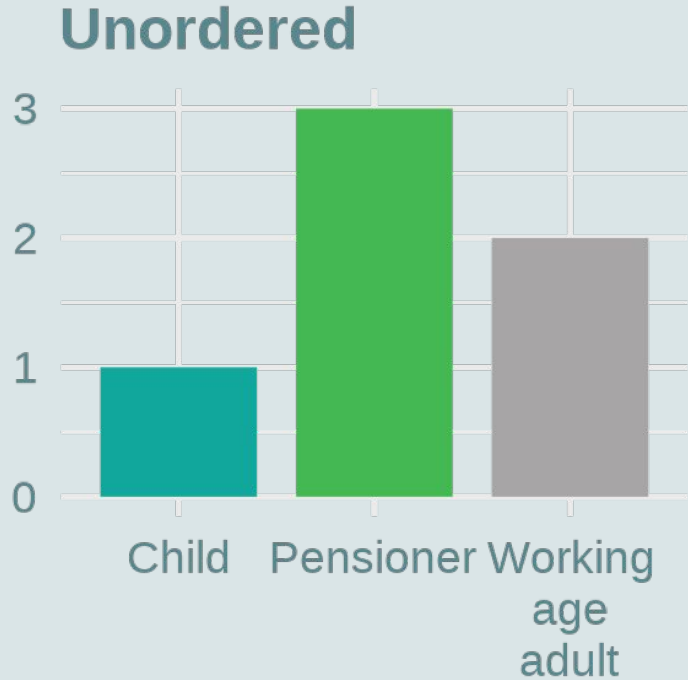
English

Español

Français

Norsk

# Single language factors... easy!

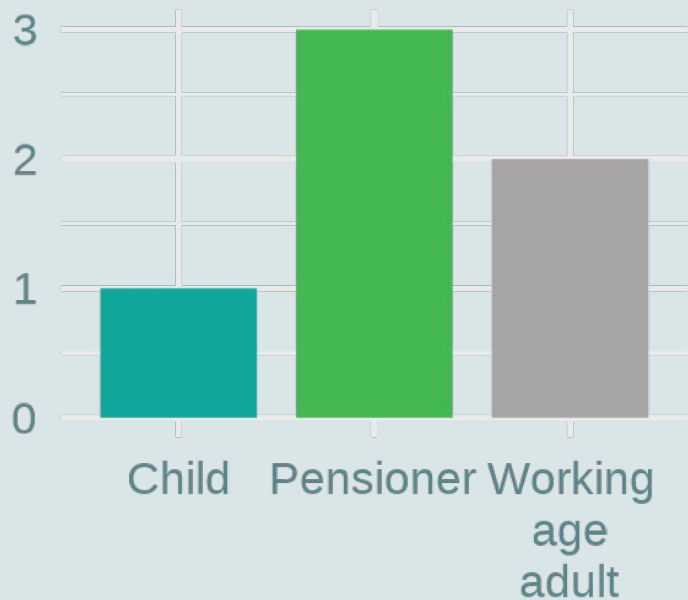


Nicola Rennie



# Single language factors... easy!

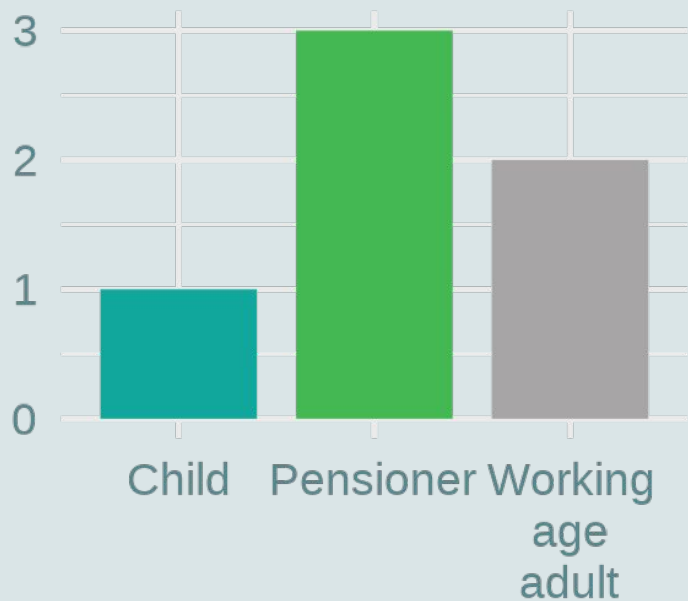
Unordered



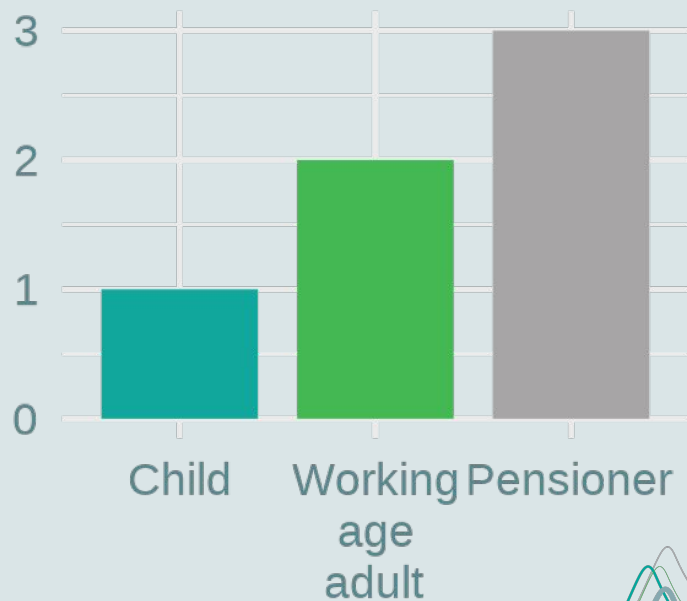
```
factor(age,  
levels =  
c("Child",  
"Working age adult",  
"Pensioner"))
```

# Single language factors... easy!

## Unordered



## Ordered



Nicola Rennie



# Multiple language factors... not so easy!

✗ Rely on alphabetical ordering

# Multiple language factors... not so easy!

✘ Rely on alphabetical ordering

✘ Manually specify factor levels for all languages



# Multiple language factors... not so easy!

✓ Use default language for all data processing

# Multiple language factors... not so easy!

✓ Use default language for all data processing

breaks (data)

labels (breaks, language)

*Translation was the first problem to think about, but the last code to run.*

[twitter.com/nrennie35](https://twitter.com/nrennie35)

[github.com/nrennie](https://github.com/nrennie)

[nrennie.rbind.io](https://nrennie.rbind.io)

[jumpingrivers.com](https://jumpingrivers.com)

Nicola Rennie

