

likert: An R Package for Visualization and Analysis of Likert-Based Items

This package aims to provide the necessary tools to allow the user to make his/her own decisions about how the data should be treated, while also providing figures that may help clarify how well the assumptions discussed here hold up.

Motivation

- summarize likert type items
- provide tabular results
- provide visualizations
- allow flexibility (e.g. ggplot2 annotate) have a consistent aesthetic
- use familiar S3 generics (i.e. print, plot, summary)

Data

```
require(likert)
require(pisa)
data(pisaitems)
```

The figure to follow will use Item 24 regarding 'Reading Attitudes' from the Programme for International Student Assessment (PISA) from pisaitems dataframe in the pisa package, which asks:

- I read only if I have to.
- Reading is one of my favorite hobbies.
- I like talking about books with other people.
- I find it hard to finish books.
- I feel happy if I receive a book as a present.
- For me, reading is a waste of time.
- I enjoy going to a bookstore or a library.
- I read only to get information that I need.
- I cannot sit still and read for more than a few minutes.
- I like to express my opinions about books I have read.
- I like to exchange books with my friends.

