

Multiliteracies for Student Presentations

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JALT National Conference, Tsukuba International Conference Centre
24 November 2023

Multiliteracies

buzz word

My perspective

Cf. New London Group (1996)

Information literacy inc. numeracy

Information management

Computer literacy

Spoken communication literacy

*Also cultural, narrative literacies (Buendgens-Kosten et al, 2023;
Sauro, 2017)*

Why it matters

University students
(high school students?)
require them for
studies



Assessments

- Essay
- Presentation
- Discussion
- Role play
- Standardised Test
 - IELTS
 - TOEFL
 - TOEIC

Research literacy

What sources are being used?

What sources *should* be used?

Presentation teaching

What content is to be taught?

How does this initiate students
into a *Community of Practice*
(Wenger, 1998)?



My context

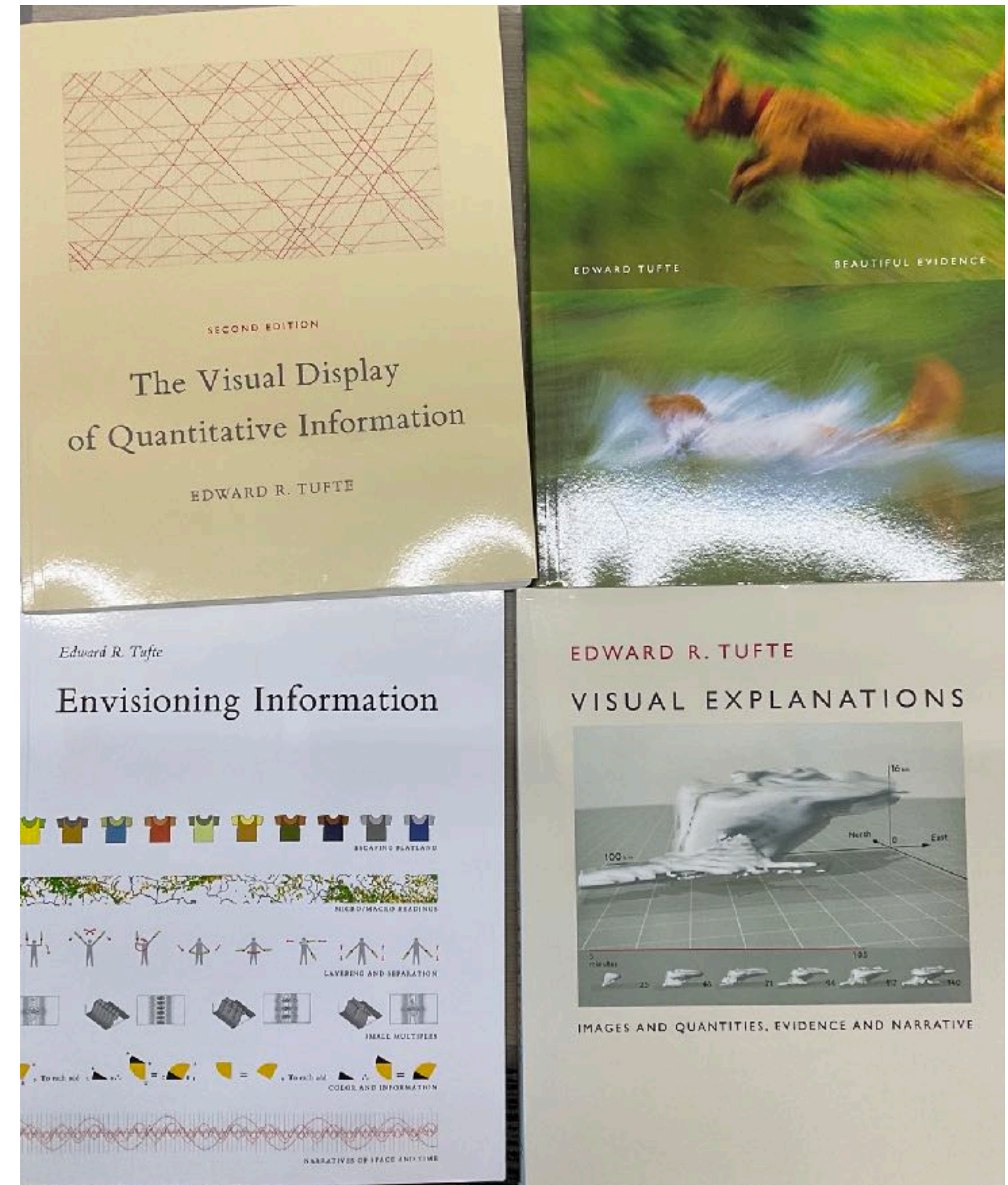
International students and domestic students

All year groups of university

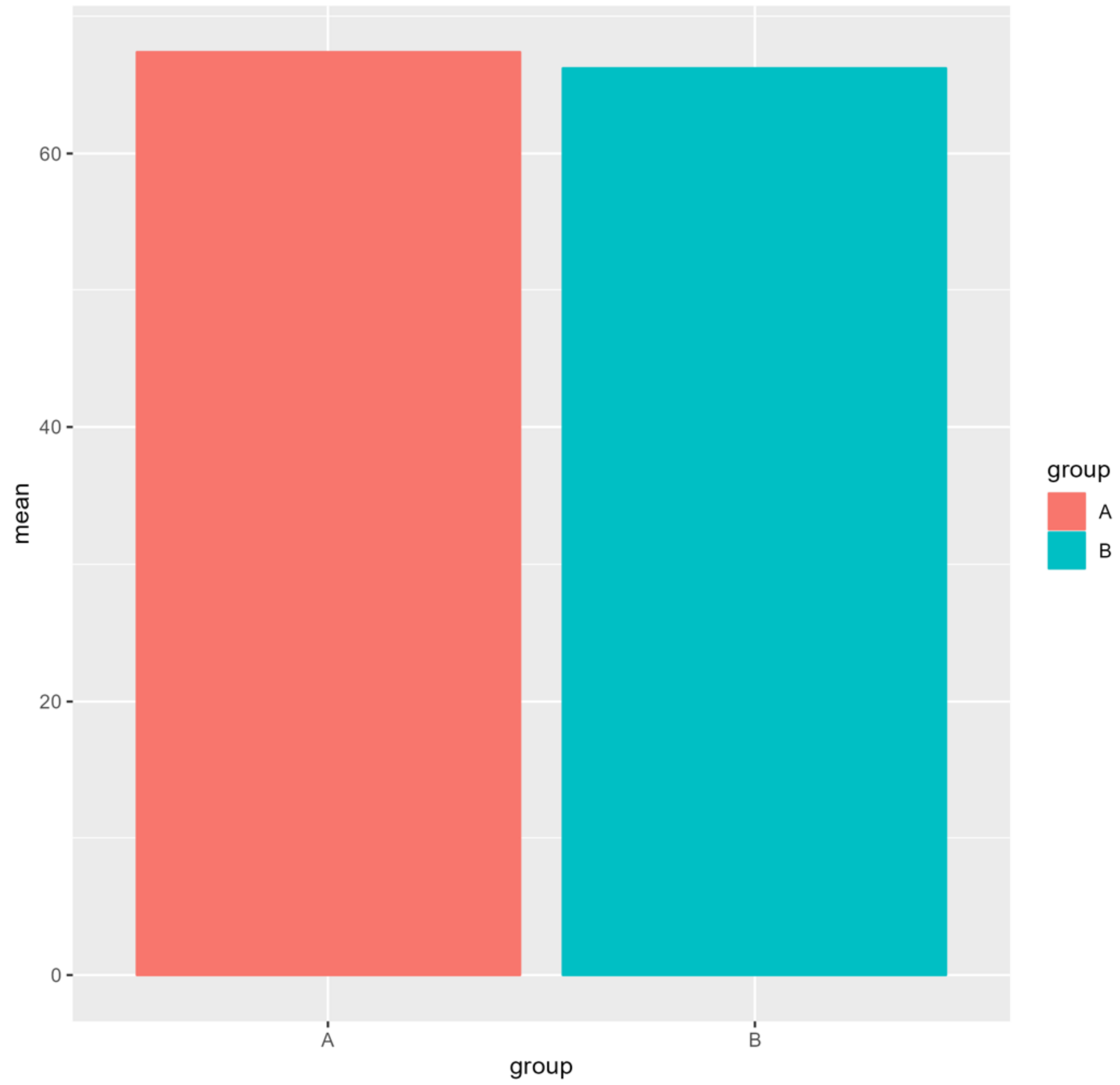
Elective presentation course

Principles

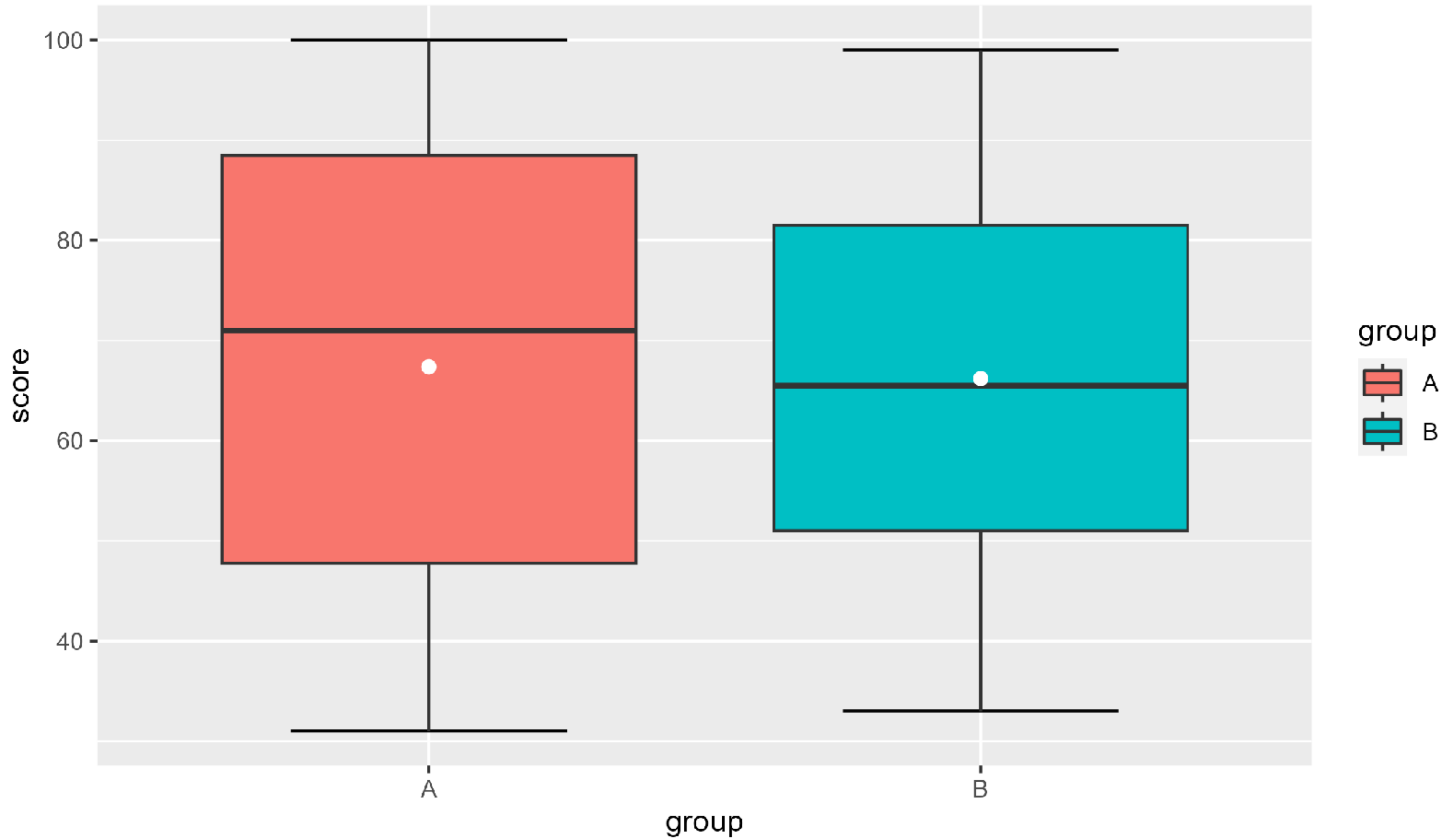
Simplify according to what *should* be presented



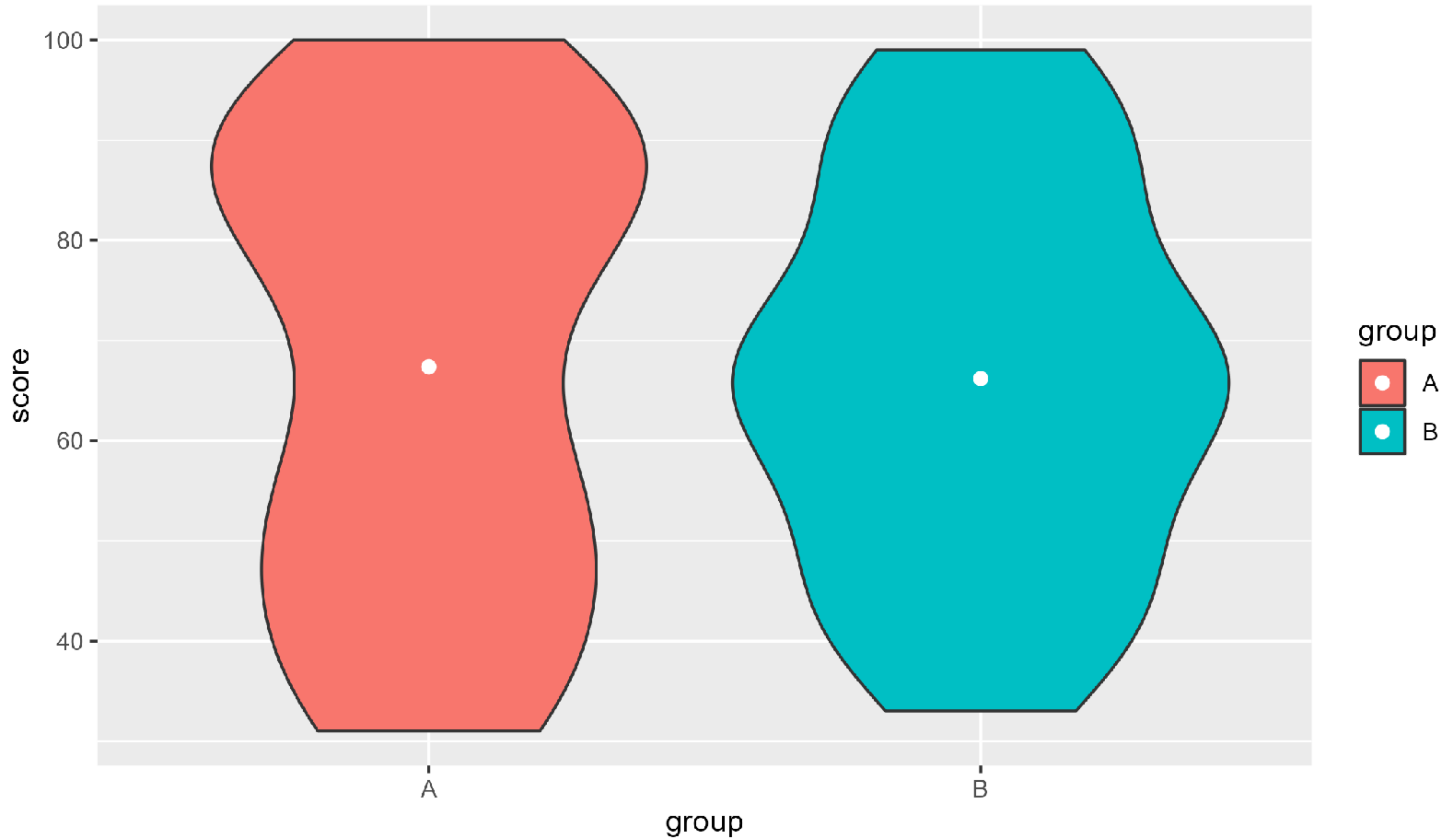
Bar Chart by group



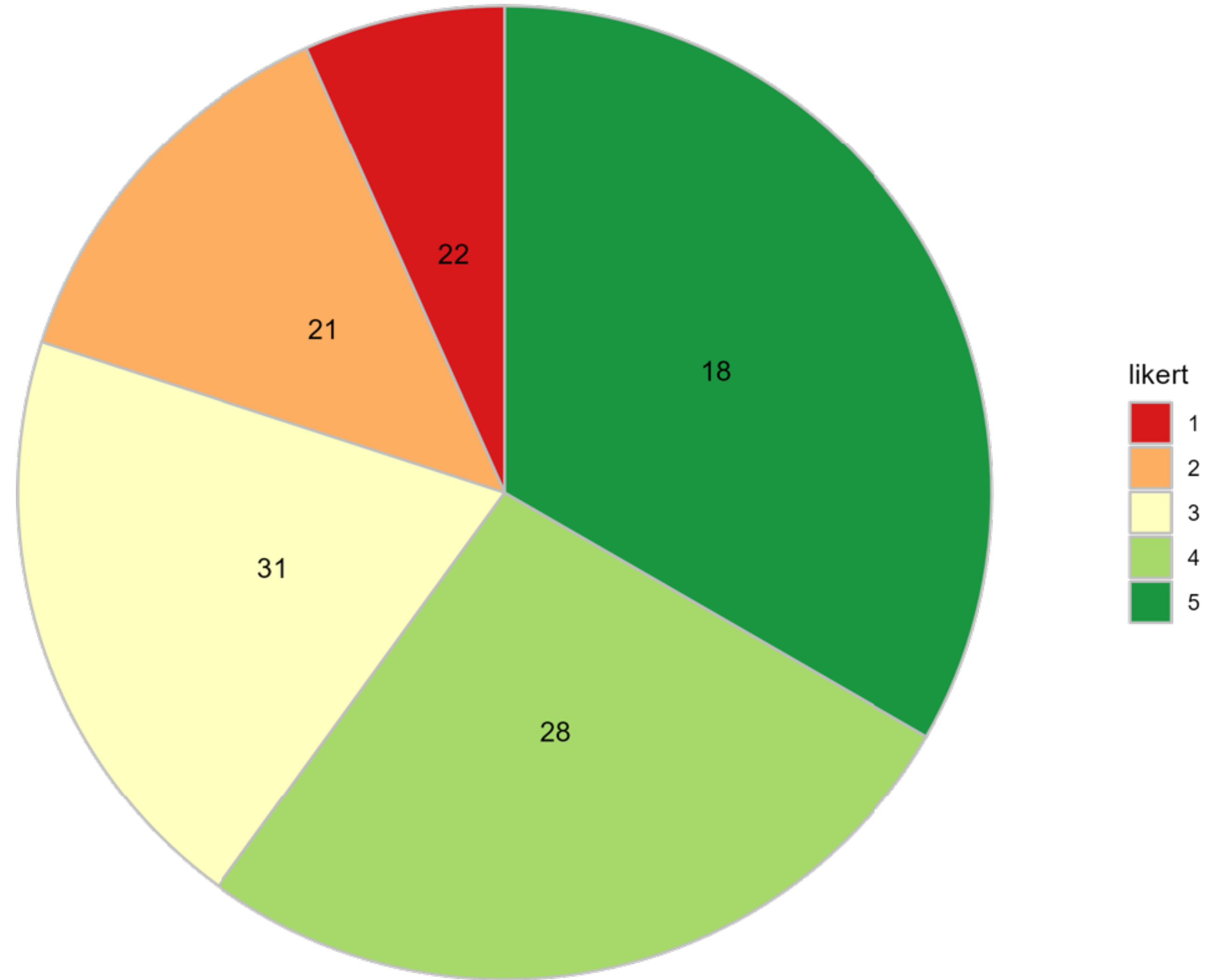
Box Plot by group



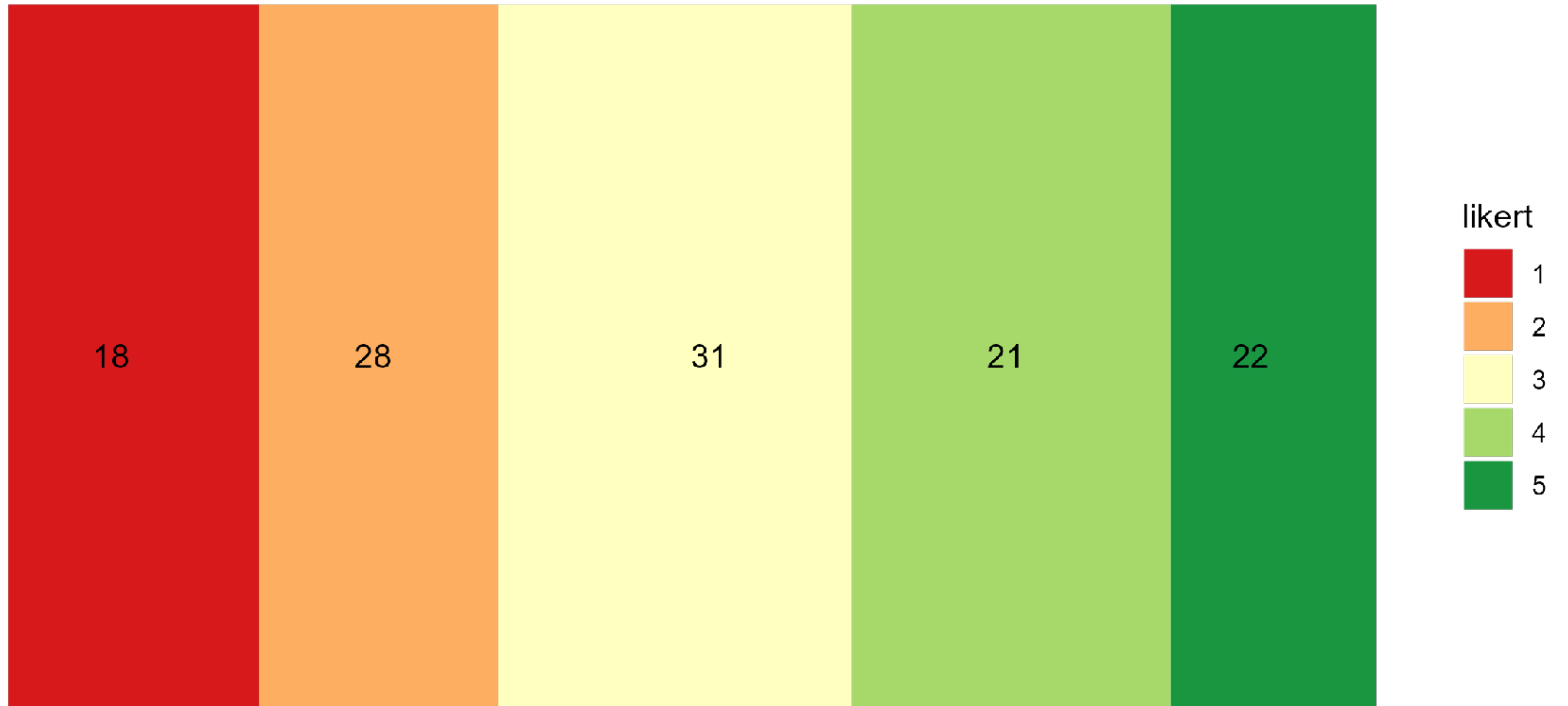
Violin Plot by group



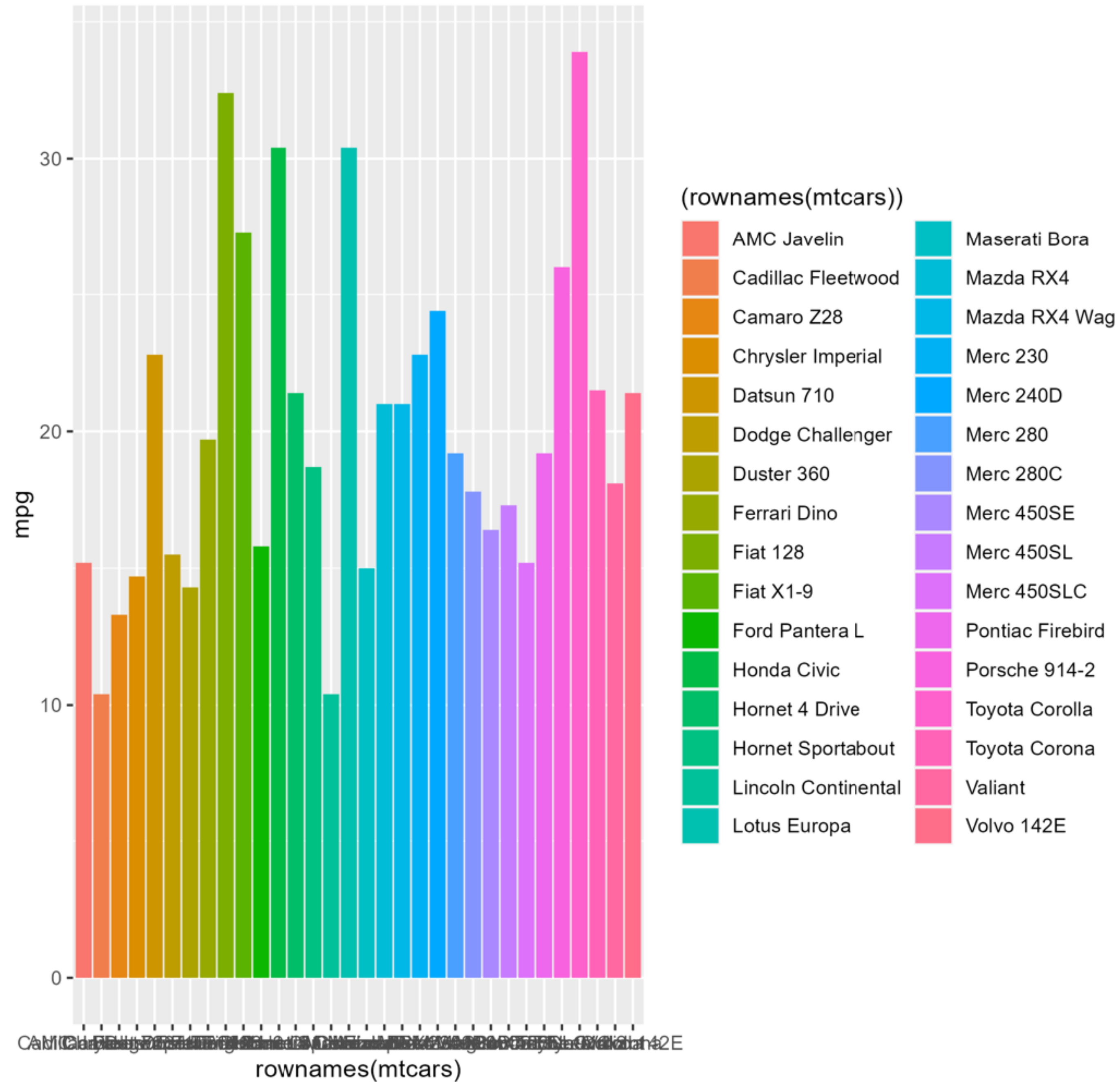
Pie chart of liking chocolate



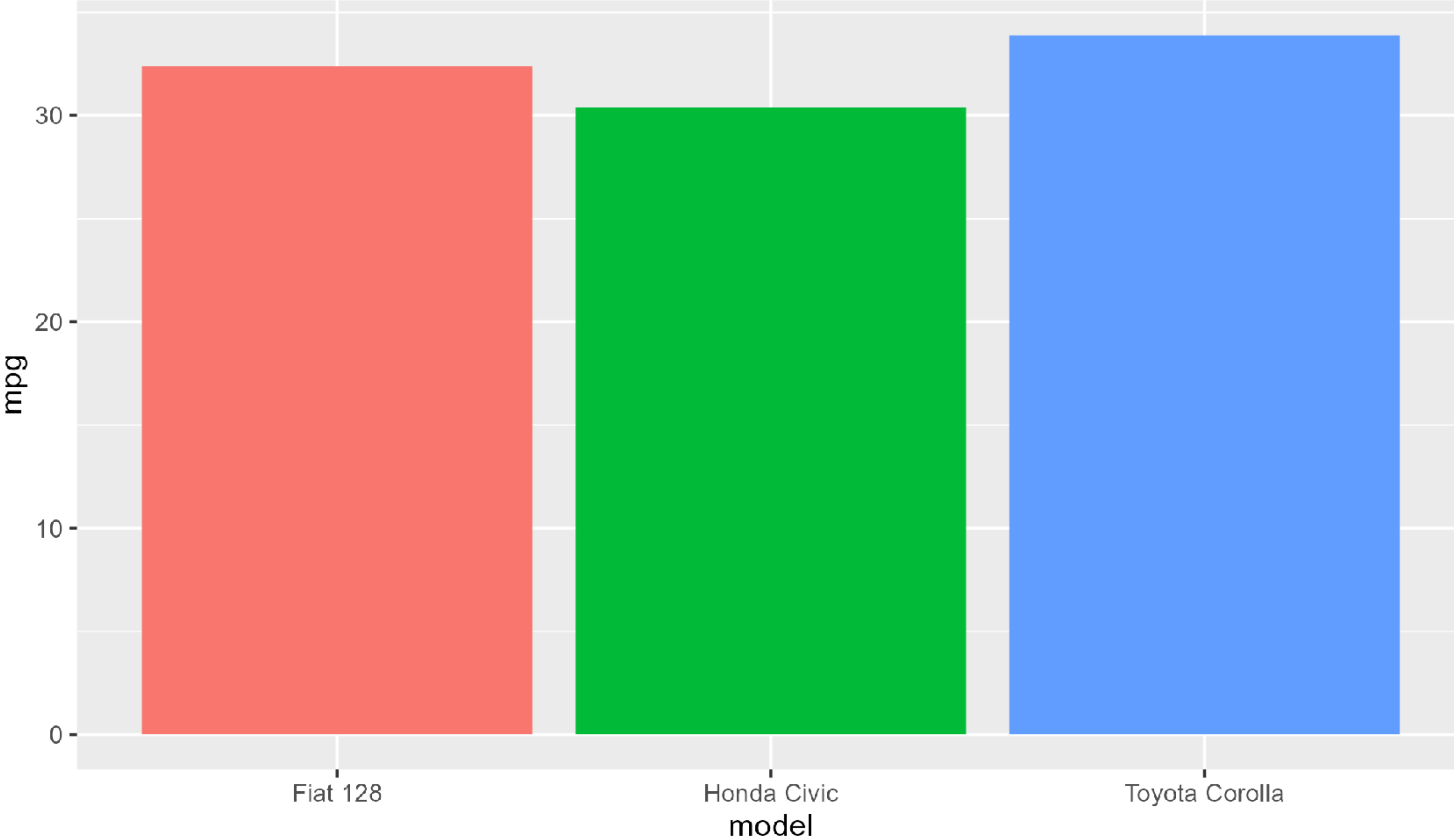
'Energy bar' of liking chocolate



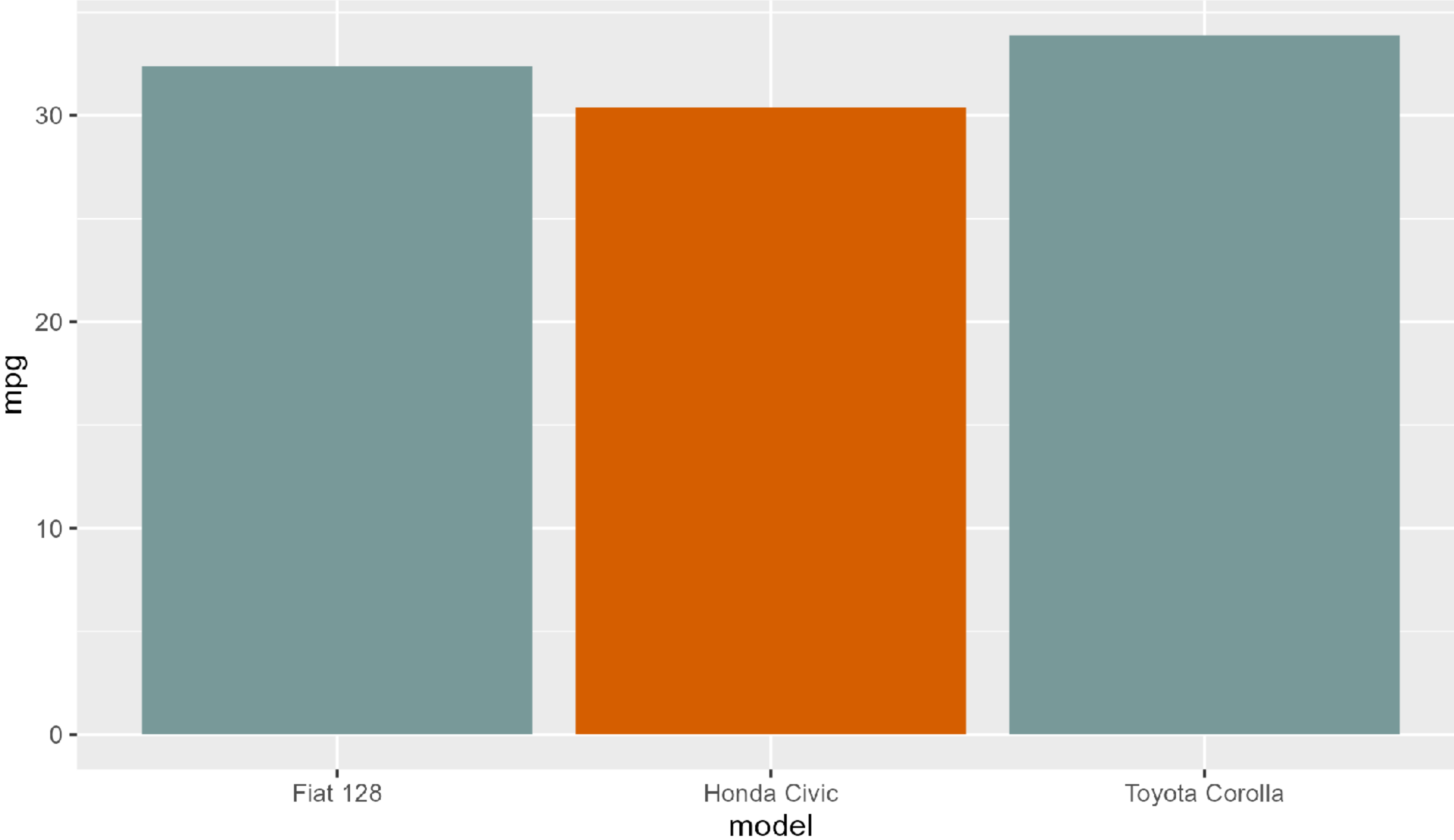
Fuel economy of cars



Fuel economy of cars



Fuel economy of cars



Try it

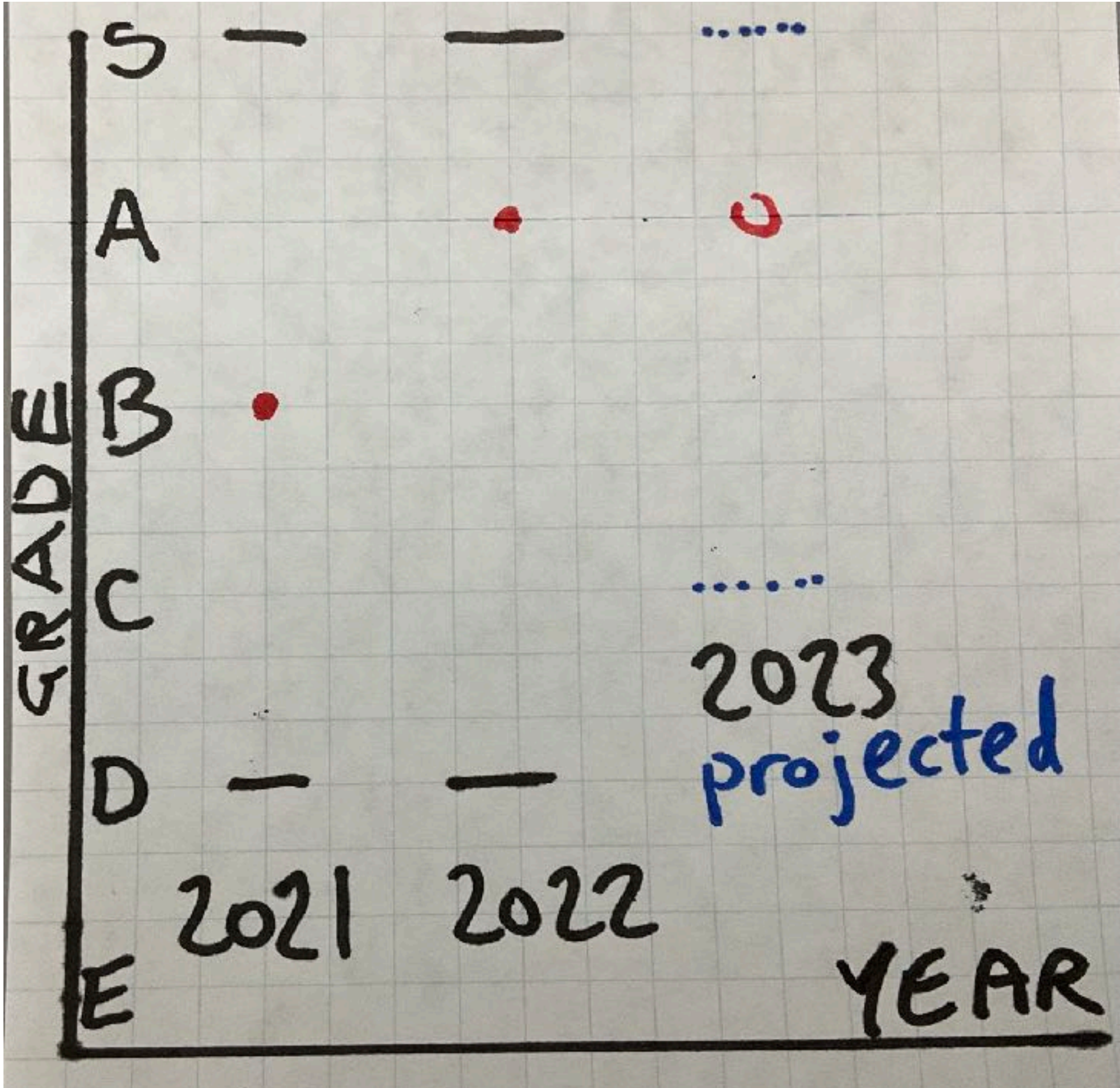
Pens & Paper - Rough work

Isolate the most important data points worth presenting

How can you present them most effectively?

Presentation is focus

- Better ideas when presenting data
- Better focus when reading research



Limitations

Assuming *basic numeracy & data literacy*

Assuming *motivation (elective)*

6 samples, $\frac{x-\mu}{\sigma}$

95% Conf level
= 0.025 in each tail

need z score for 1 - 0.025 = 0.975

$$z = \frac{x_{\text{observed value}} - \mu_{\text{mean of sample}}}{\sigma / \sqrt{n}}$$
$$z = \frac{0.975 - 101.82}{1.2} = -84.85$$

$\bar{x} = \frac{\sum x - \text{data values}}{n}$
mean

$\sigma = \sqrt{\frac{\sum (x - \bar{x})^2}{n}}$
SD

Confidence level
 $z_{\alpha/2} \times \frac{\sigma}{\sqrt{n}}$
confidence coeff

7 * 1.2 = 8.4

50.98
= -100.155
5.078
= 95.8077

- Slide 4 Photo by bruce mars on Unsplash https://unsplash.com/photos/woman-in-white-shirt-using-smartphone-FWVMhUa_wbY?utm_content=creditCopyText&utm_medium=referral&utm_source=unsplash
- Slide 7 Photo by Jerry Wang on Unsplash https://unsplash.com/photos/girl-holding-paper-with-drawing-RwCP91RwZeM?utm_content=creditCopyText&utm_medium=referral&utm_source=unsplash
- Slide 13 Photo by Brian J. Tromp on Unsplash https://unsplash.com/photos/a-person-sitting-at-a-desk-writing-on-a-piece-of-paper-qBzpG7EqITo?utm_content=creditCopyText&utm_medium=referral&utm_source=unsplash

References

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