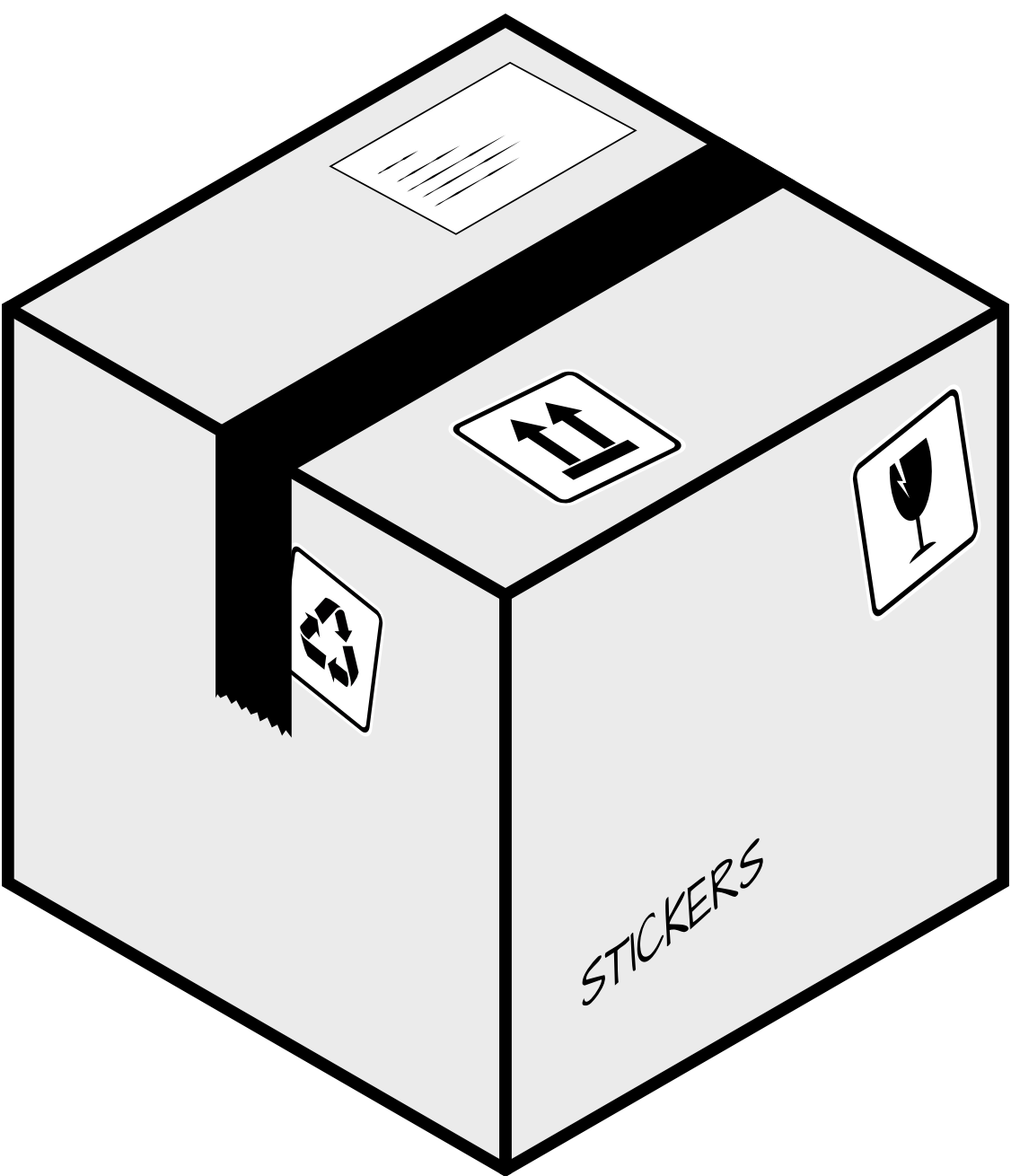








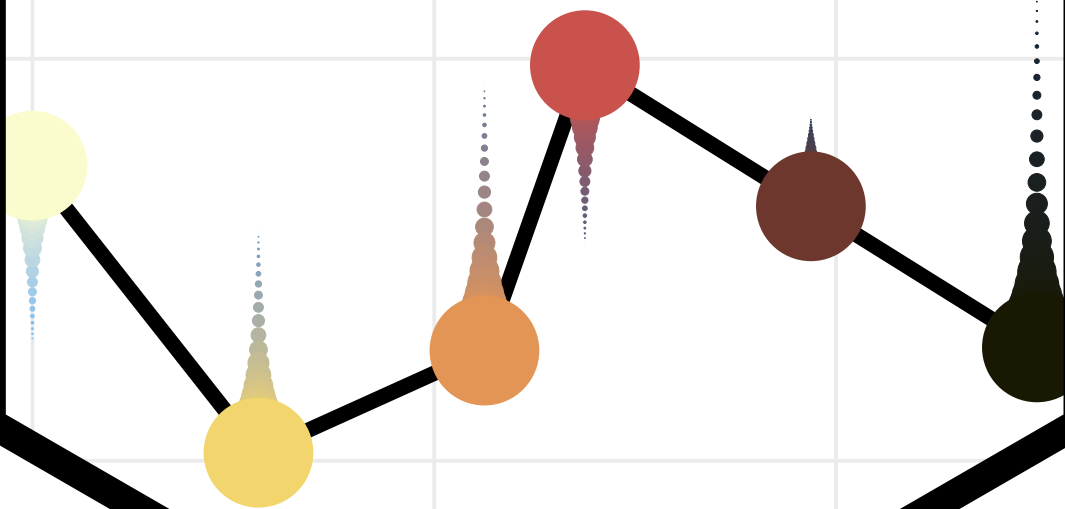
[www.data-innaginginist.com/slides/user2018](http://www.data-innaginginist.com/slides/user2018)



ggg annate

- First iteration created by David Robinson
  - Frame-as-an-aesthetic
  - Fluid transitions only with help from e.g. tweenr
- Second iteration is a complete rewrite with a new API, focusing on animation grammar

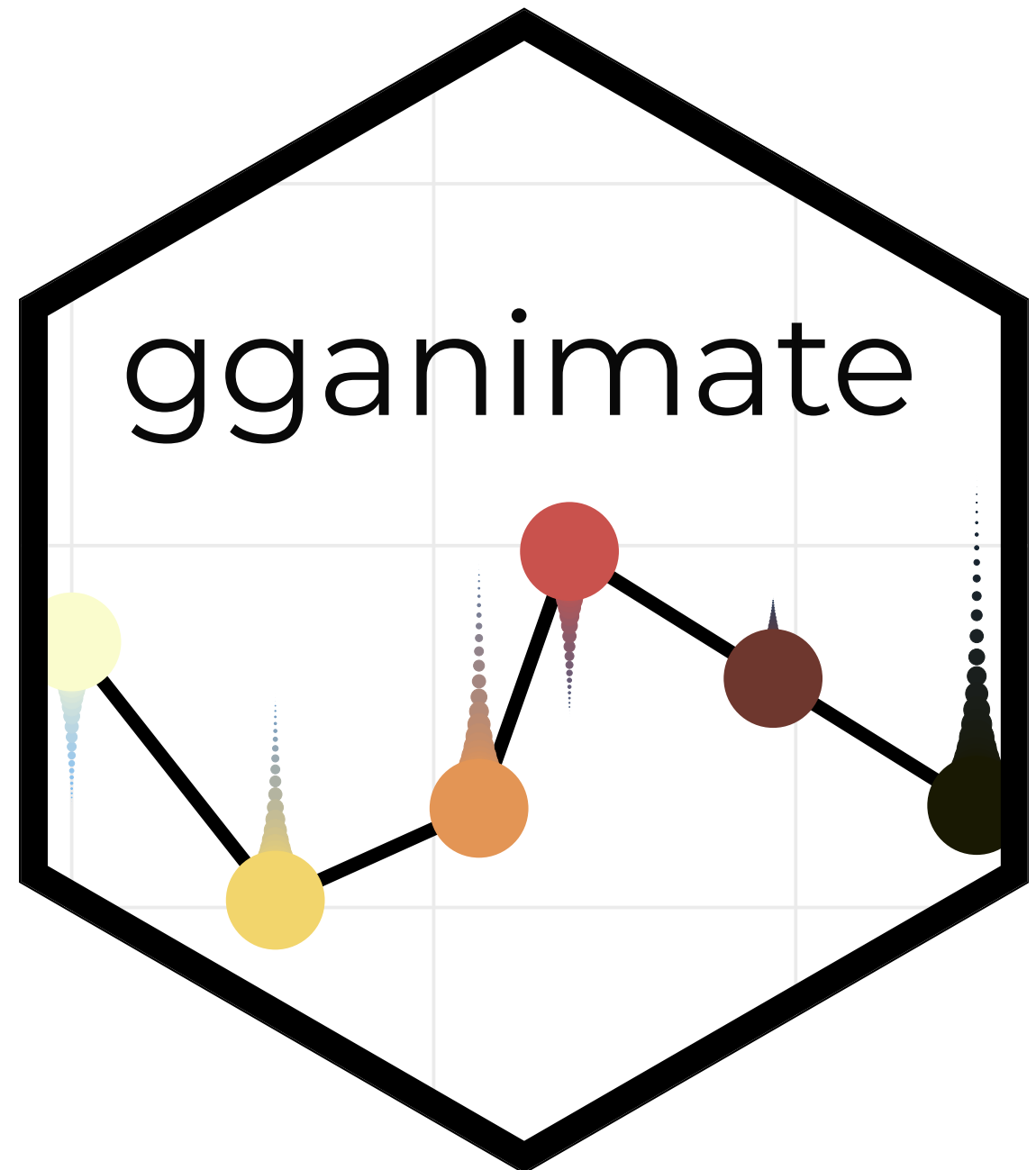
gganimate





# gganimate

- First iteration created by David Robinson
  - Frame-as-an-aesthetic
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- Second iteration is a complete rewrite with a new API, focusing on animation grammar



# Design philosophy

- Add to ggplot2 API, not wrap it
- Extensible by design
- Expressed in unitless time
- Agnostic to renderer

