

Approach 1: Copy and paste

Create and maintain two separate artifacts: Shiny app and R Markdown report

- 😘 Easy to understand
- 😘 Reproducible code is high fidelity
- 😓 Two copies of code to keep in sync
- 😓 Will not work for more dynamic apps (i.e. not only changing *parameters*, but changing *instructions*)

Approach 2: Lexical analysis

E.g. scriptgloss by Doug Kelkhoff

Automatically generate scripts from app source code, using static analysis and heuristics

- 🤗 Very easy to add to your app
- 🤗 Few decisions to make (mostly just what outputs are interesting)
- 😓 Not all apps can be translated automatically
- 😓 Generated code is not “camera ready”—still contains code relating only to Shiny structure