



Dockerizing a Shiny App

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Docker

Recap

- You have a model, app, etc.
- You want to share it or make it available

Docker - a 'container' to easily transport your code to others

- Include all relevant files (R, packages, etc.)
- No chance of code not running, bugs, etc. (if you've done things right!)

Dockerizing Shiny Apps

[Article 1](#) and [Article 2](#) on commands needed to Dockerize a shiny app

- If you can host your app somewhere, not really a need to dockerize...

Dockerizing a Shiny App

- Create app in a folder with all files needed (images, etc)
 - All paths relative!
- Pull appropriate docker image
 - `docker pull rocker/shiny-verse`
- Create the `DOCKERFILE`
- Build the image
 - `docker build -t <NAME> <DOCKERFILE PATH>`
 - If in directory of `DOCKERFILE`, just put '.' for path
- Deploy the image
 - Ex: `docker run -p 3838:3838 <NAME>`

Example Dockerization

Let's Dockerize a basic app

- An app to visualize bayes theorem