

# Getting Started with Docker

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## 1 Prerequisites

1. A laptop running either MacOS or Windows 10 version 1903 or higher. For Windows users: You can check your version number by going to **Settings** → **System** → **About**.
2. At least 10 GB of free hard drive space.

## 2 Setup

1. (For Windows users only) Enable WSL2 (Windows Subsystem for Linux 2) and clone the `stat-471-fall-2021` Github repository into WSL2 via `git clone https://github.com/Katsevich-Teaching/stat-471-fall-2021.git`. See video for details.
2. Download and run Docker Desktop.
3. Open a Terminal (for Windows users, this should be in your Windows Terminal in the Ubuntu 20.04 tab) and navigate to your `stat-471-fall-2021` directory.
4. Type `docker pull ekatsevi/stat-471` in your Terminal and press enter. This will start a download that may take a few minutes. You'll only need to carry out this step once.
5. Type `docker-compose up` in the Terminal and press Enter.

## 3 Usage

1. Open Docker Desktop.
2. To start your Docker container, navigate to **Containers/Apps**, locate `stat-471-docker-env`, and click the “Play” icon if it is not already clicked.
3. Open a web browser and navigate to `localhost:8787`.
4. You should see an RStudio window in the browser; use it as usual.
5. When you are done, navigate to **Containers/Apps**, locate `stat-471-docker-env`, and click the “Stop” icon.

## 4 Acknowledgment

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