



gbfs: General Bikeshare Feed Specification—R Package

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<https://github.com/ds-civic-data/gbfs>

<http://gbfs.netlify.com/>

Purpose of Package

- Supply a set of functions to interface with gbfs .json feeds in R
- Allow users to save and accumulate tidy .rds datasets
- Convert streaming data to archived data
- Mutate new, useful date & time columns
- Convert to rectangular data format to reduce file size

The Data

- Bikeshare data published as .json feeds in a standardized format
- 81 participating cities
- 7 static feeds
 - System information
 - Station information
 - System hours
 - System calendar
 - System regions
 - System pricing plans
 - System alerts
- 2 dynamic feeds
 - Station status
 - Free bike status

Features of Package

- Get bikeshare data by specifying city or supplying url of feed
- All feeds for a city can be saved with a single function
- New information from dynamic feeds can be appended to existing datasets
- Option to specify folder and file names for individual feeds

Future Work

- Add option to automate feed grabbing for dynamic feeds.
- Implement simultaneous downloading of multiple cities.

Example

