
datanator *frontenddocumentation*

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Karr Lab

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datanator_frontend is a web interface for *datanator*, a toolkit for discovering and aggregating data for building and calibrating dynamical models of cellular biochemistry.

datanator is particularly useful for building large models, such as whole-cell models, that require large amounts of data to constrain large numbers of parameters. *datanator* was motivated by the need for large amounts of data to constrain whole-cell models and the fact that this data is hard to utilize because it is scattered across numerous siloed repositories.

Please see the [datanator documentation](#) for more information.

1.1 Installation

1.1.1 Install Dependencies

First, please install the following dependencies:

- Node.js and npm

1.1.2 Install `datanator_frontend`

Second, please run the following shell commands to clone and install `datanator` from GitHub:

```
git clone git@github.com:KarrLab/datanator_frontend.git
npm install
```

Because `datanator_frontend` is under active development, we recommend regularly pulling the latest revision of `datanator_frontend` from GitHub.

1.1.3 Run `datanator_frontend`

To run a test server of the frontend, run the command:

```
npm run dev
```

NOTE: A backend server is needed to run successfully run the frontend. One can use the production Heroku server API or one can use a local server API (instructions on doing this shown below). To toggle between the two servers, toggle between `API_ENDPOINT(Production)` and `TEST_API_ENDPOINT(Local)` in the `lib/fetch.js` file.

1.1.4 Running Backend

Please see the [installation instructions](#) in the *datanator* documentation.

1.2 Tutorial

Please see the [tutorial](#) in the *datanator* documentation.

1.3 About

1.3.1 License

The software is released under the MIT license:

```
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```

1.3.2 Development team

This package was developed by the following researchers in the [Karr Lab](#) at the Icahn School of Medicine at Mount Sinai in New York, USA:

- [Saahith Pochiraju](#)
- [Jonathan Karr](#)

1.3.3 Acknowledgements

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1.3.4 Questions and comments

Please contact the [Karr Lab](#) with any questions or comments.