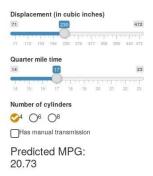
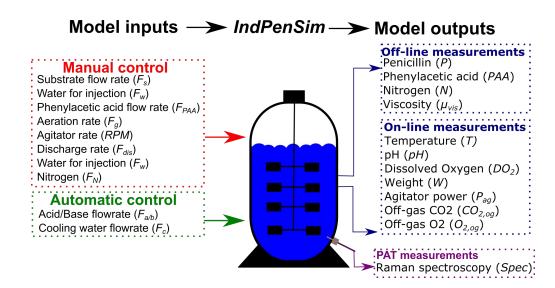
# Reactor Modeling Sandbox

### Frontend





#### **Backend**

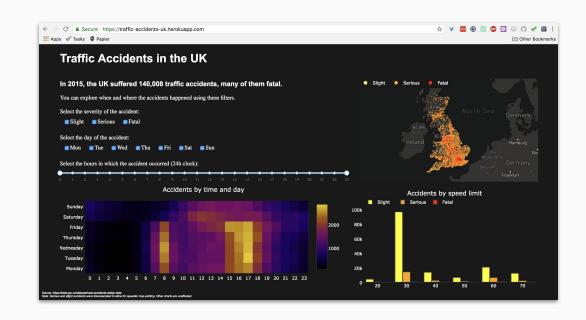
## Dashboard/Interface Tech

Tool	Language	Compatibility with Jupyter	Processing Speed	Customizability
Bokeh	Python, JavaScript	Natively renders visualizations	Low	Medium
Dash	Python, HTML, CSS, JavaScript	Supported by plotly extension	Medium	High
Voila	Python	Natively renders visualizations	Medium	Medium
Streamlit	Python	Not compatible	High	Low

### We chose Dash!

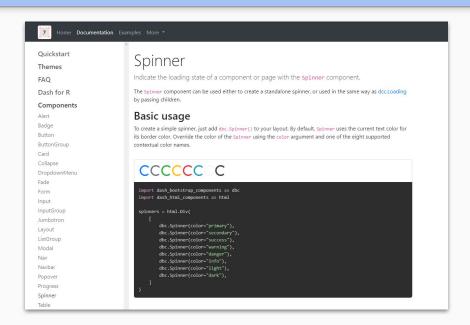
#### What is Dash?

- A Python framework for building interactive web apps.
- Apps are rendered in the web browser.
- Deploys apps to servers and shares them through URLs.



# Dash: Advantages

- Customizability
- Large community examples
- Many components



### Dash: Drawbacks

- HTML and CSS heavy
- More lines of code
- Not as easy to deploy as Streamlit