Mayfly
Reproducible Research in Minutes
• Reproducible Research is the new paradigm
• And more graphics should be interactive
• So, why don’t people do it?

• Never learned how
• It’s a hassle
• No consistent platform

• So:
• Create platform for reproducible research
• Hosted by OSDC

Step 1: Configure Environment

<table>
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<tr>
<td>• IPython</td>
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<td>• R</td>
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<td>• Dropbox</td>
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<td>• Dropbox Publisher</td>
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<td>• Configures Dropbox</td>
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Step 2: Research!
Why is this a good idea?

• Document your research
• Share code, charts, and images
• Host interactive visuals!
• Code is already written
Usage case

• Mary wants to investigate iris flowers
• Needs computational power
• Wants visualizations
• Thinks that reproducible research is good

So,

• Runs setup program
• Points to Python script
• ...
• And is given a dropbox link to her report
• Shares with coworkers, gets feedback, spots a coding mistake by her RA...

Mayfly

• IPython
• R
• Dropbox
• Dropbox Publisher
• Configures Dropbox