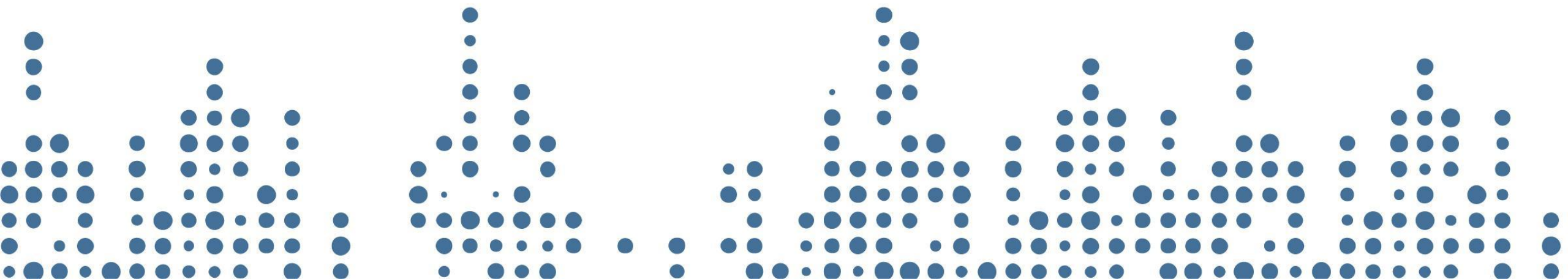




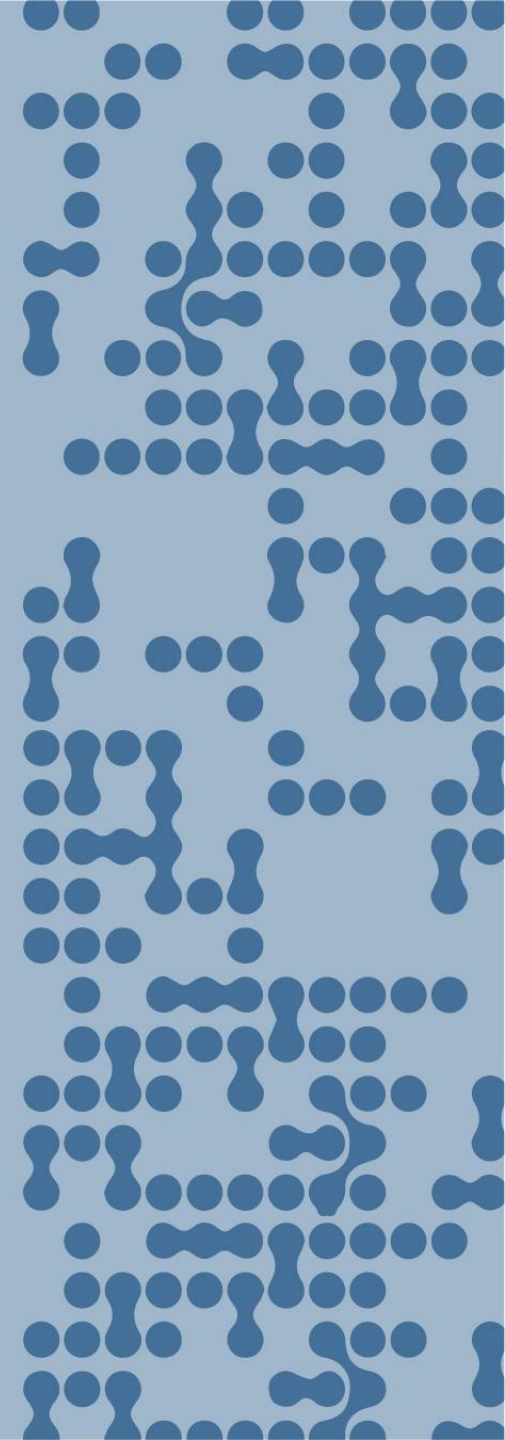
# DevOps Principles for R Developers

Alex Gold  
2023-05-04





It me!





DevOps is a set of **processes, tools,**  
and **cultural norms** designed to  
make it *easier, quicker, and less risky* to  
put software into production.





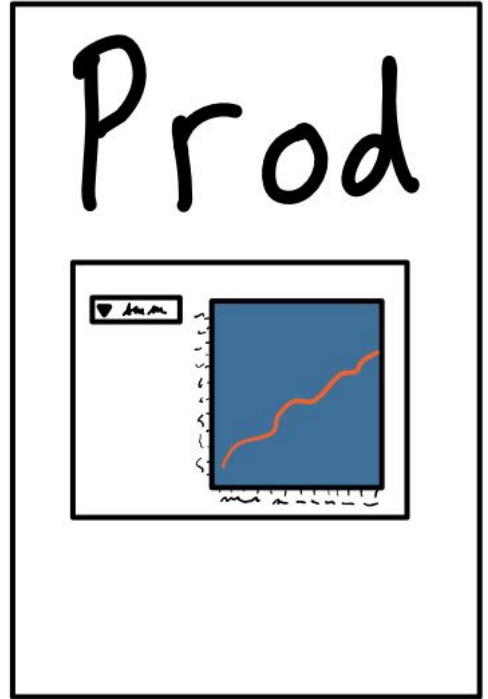
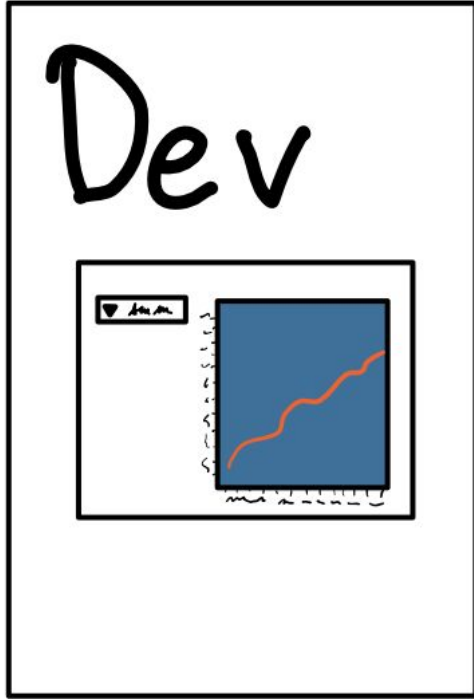


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# 1. Consider Code Promotion

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Version Control

Merge  
Pull Request

CI/CD



Action



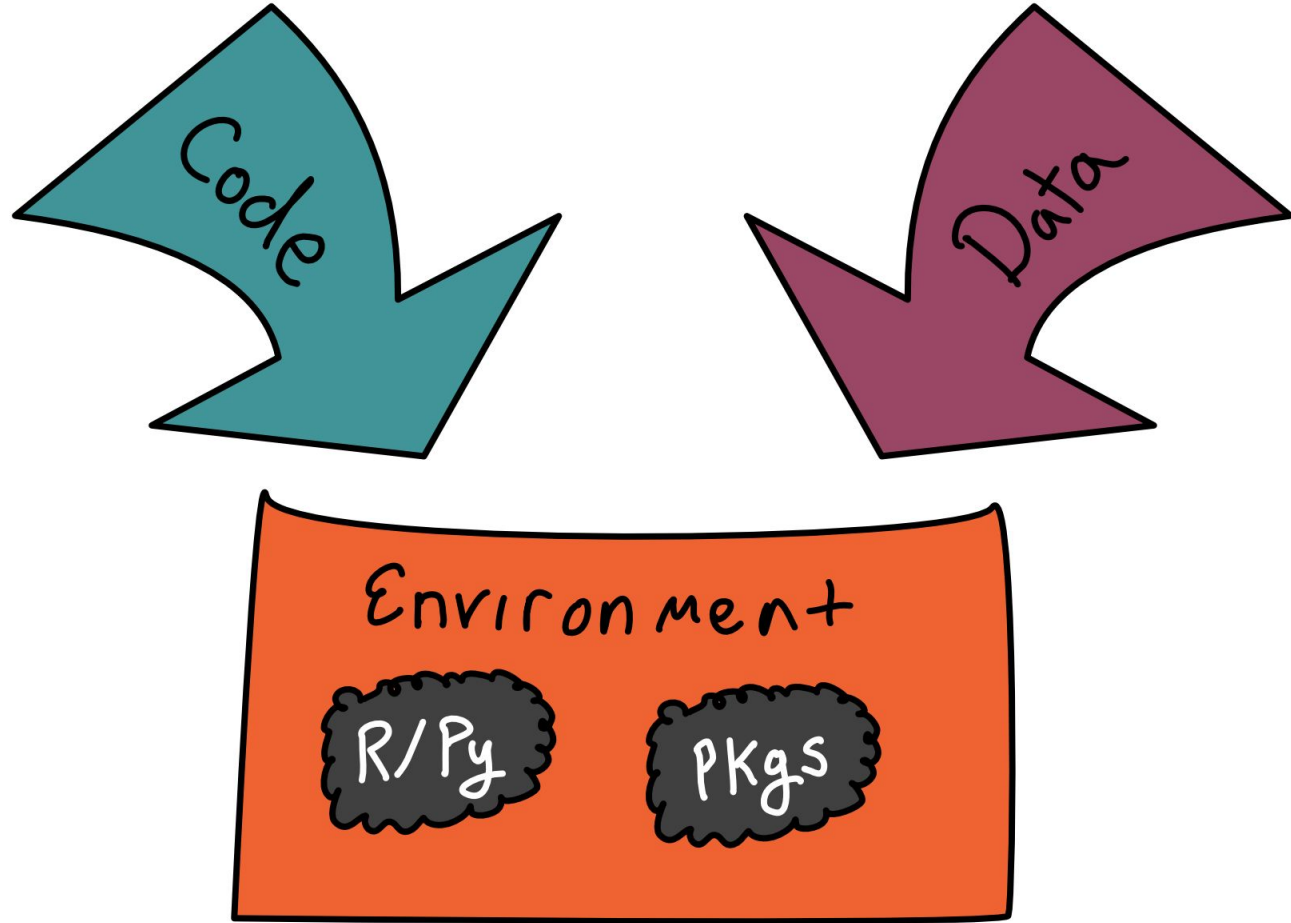


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1. Consider Code Promotion
- 2. Create environments as code**

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1. Isolation
2. Reproducibility



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1. Consider Code Promotion
2. Create environments as code
- 3. Put your data in a pipeline**

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```
my-project/  
├── app.R  
├── data/  
│   ├── data.csv  
│   └── model.rds
```



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Code

Runtime



Data  
*Bucket (s3)*  
*{pins}*  
*Database*  
*Network File System*





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1. Consider Code Promotion
2. Create environments as code
3. Put your data in a pipeline
4. **Design smart application layers**

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Project

SHINY APP



# Project

Front End

{shiny}

Business  
Logic

R Pkg  
{plumber}

Data

Pipeline



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1. Consider Code Promotion
2. Create environments as code
3. Put your data in a pipeline
4. Design smart application layers
- 5. Add monitoring + logging**

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1. Always Iterate ( $qmd/rmd$ )
2.   $\{\log_4 r\}$  





# Thank you!

1. Consider Code Promotion
2. Create environments as code
3. Put your data in a pipeline
4. Design smart application layers
5. Add monitoring + logging

[do4ds.com](https://do4ds.com)





It me!

