

A practitioner's view on data science tools

Actuarial Data Science Après-Midi October 7, 2020

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Goal

- Know your opportunity set
- Ask the right questions
- Understand your peer's setup

Intro

Speaker

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Disclaimer

My personal view

No claim to completeness

Scope

In scope: Data Science tools

Out of scope: Data Science studios & compute infrastructure

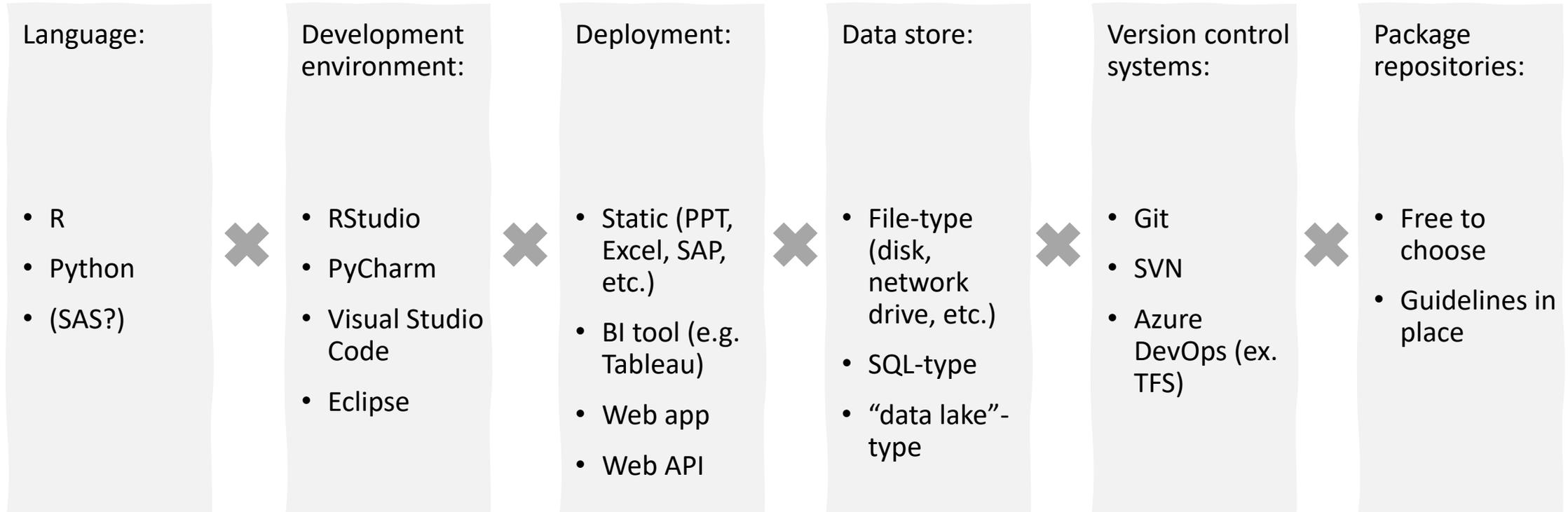
The actuarial data scientist's mandate

- Which language?
- Which development environment?
- Where/how to deploy?
- Slides or web APIs?

“[...] transform data into insights with your team.”

- Which data store?
- What computing infrastructure?
- How to share code & collaborate?
- What version control system?

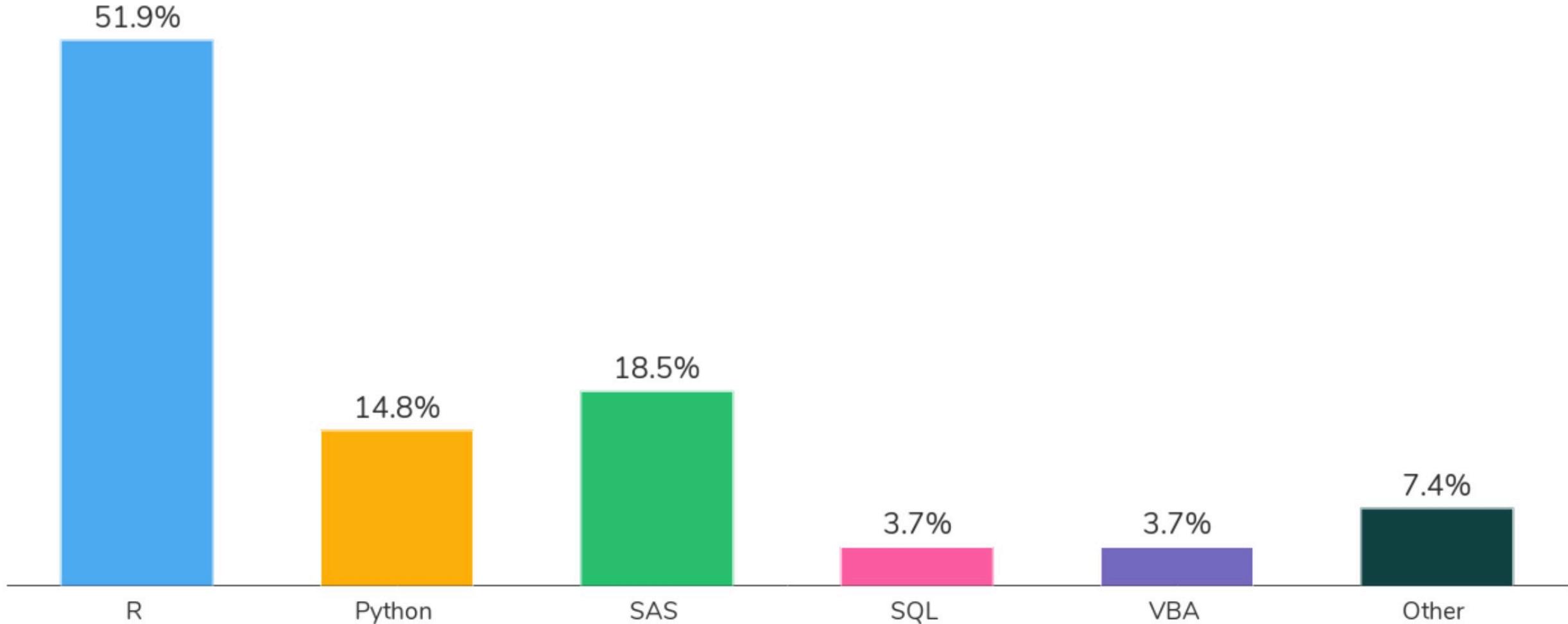
A opportunity subset



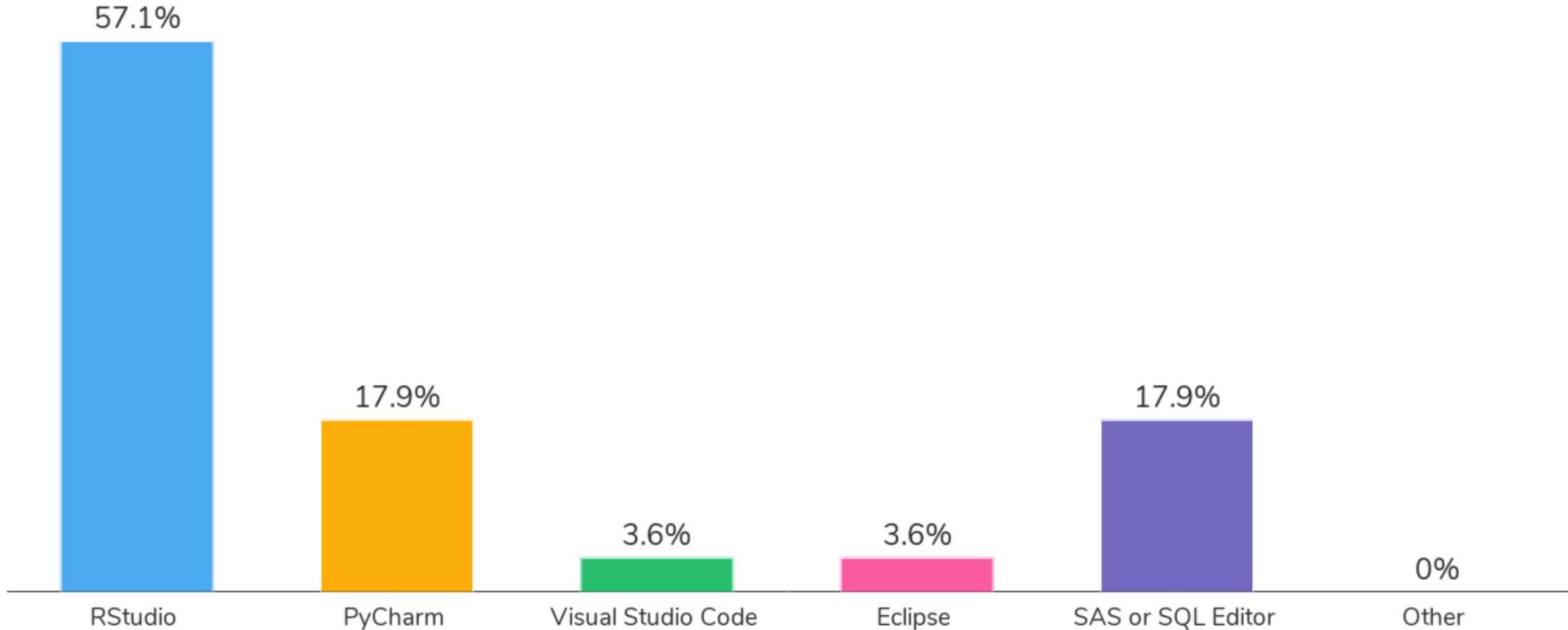
What's your setup?

ahaslides.com/ADSAM

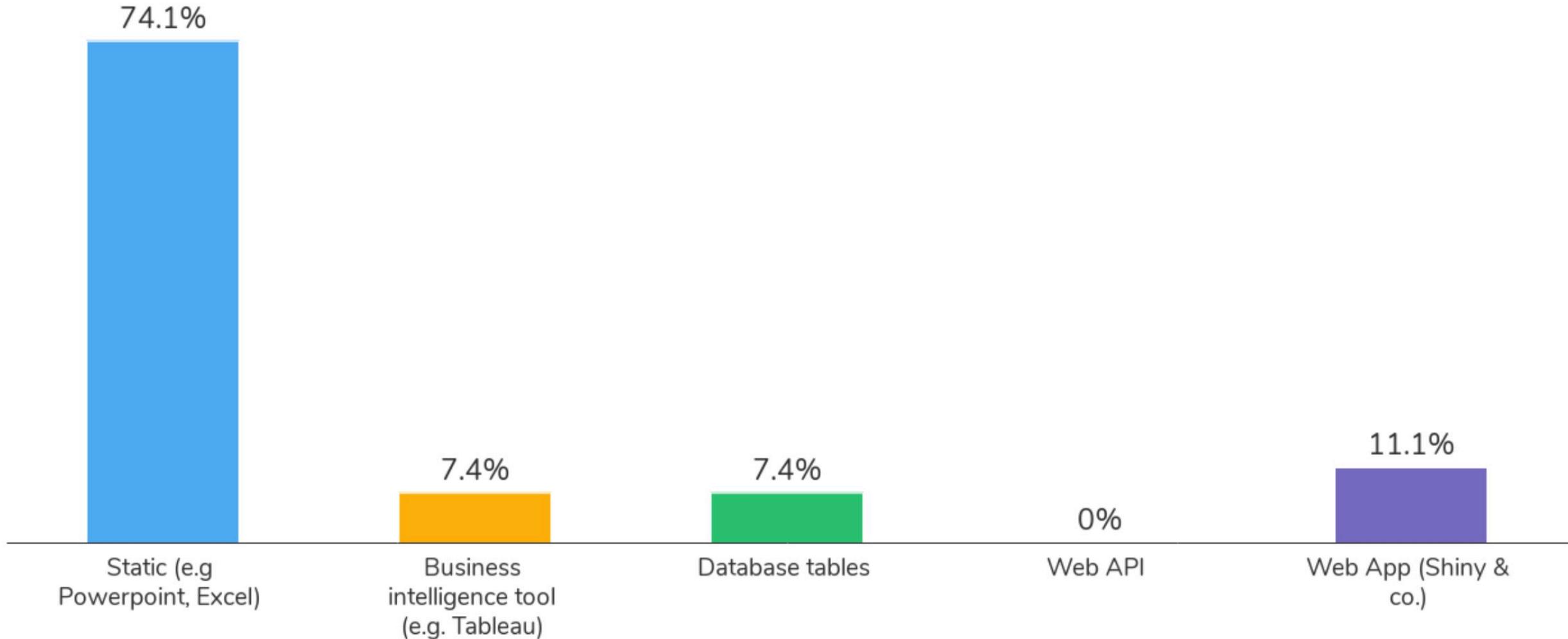
What's your primary language?



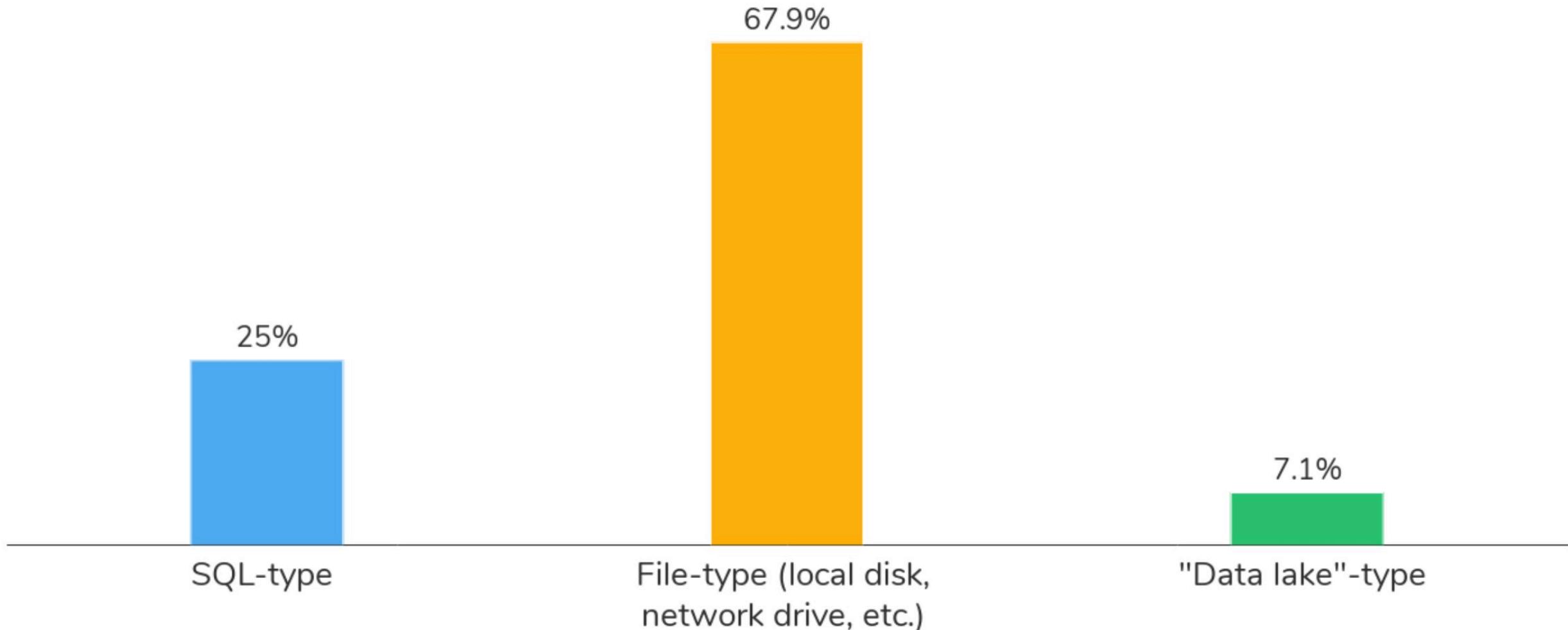
Which development environment are you using?



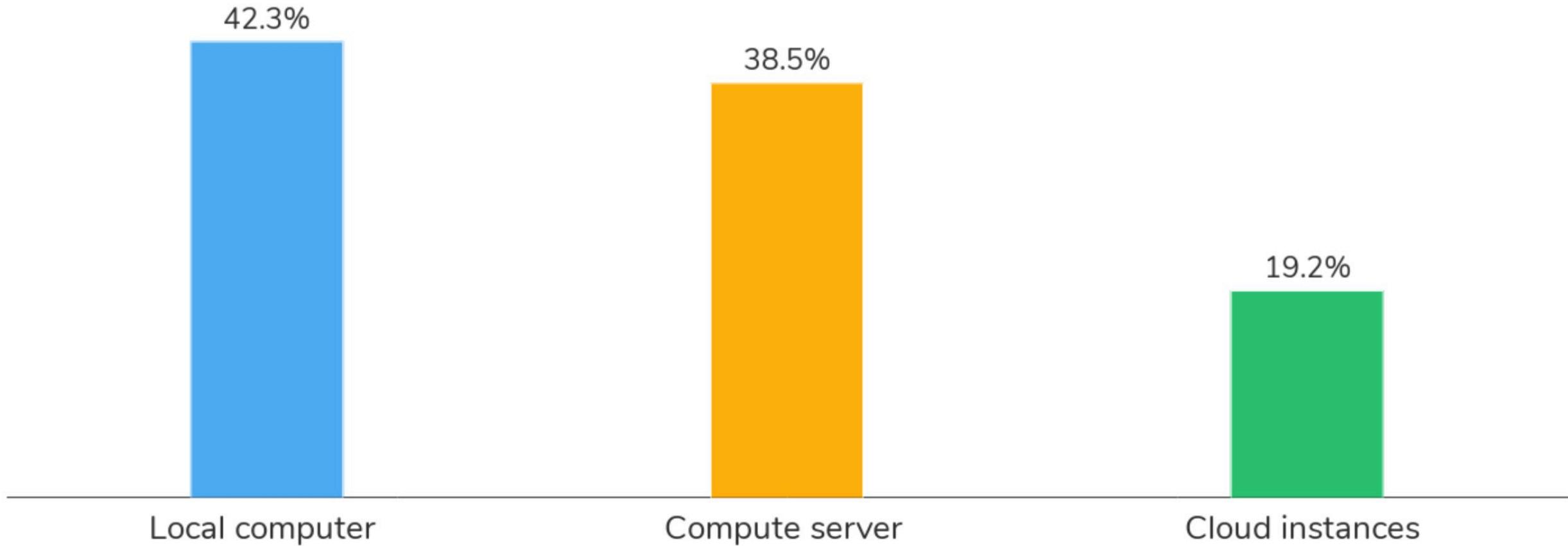
Where do you mainly deploy your results?



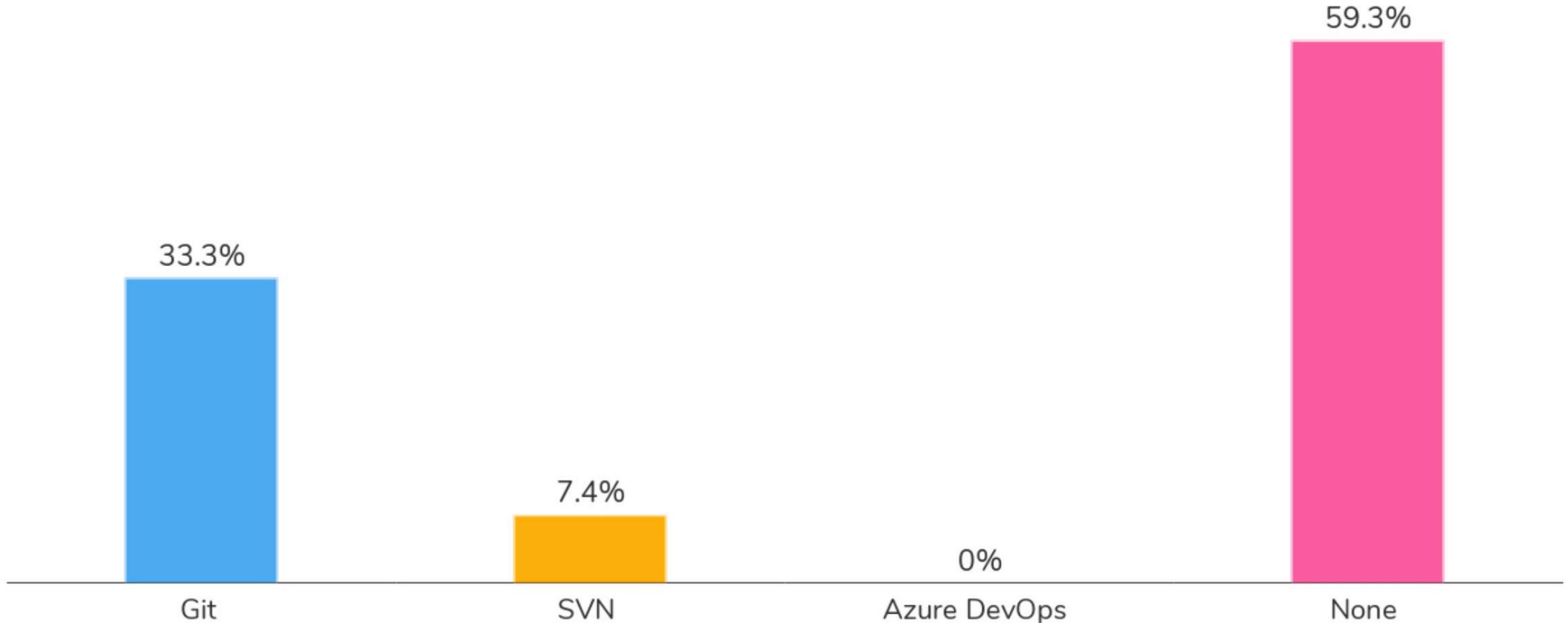
What kind of data store do you use predominantly?



What kind of computing infrastructure setup do you use?



Which version control system are you using?



Five key questions

- 1) What's the Data Science literacy of your team?
- 2) How important is collaboration?
- 3) What types of business problems do you solve?
- 4) What's the level of support from IT/Ops?
- 5) How computationally intensive are your problems?

My professional experience

...some stories...

Thank you!