

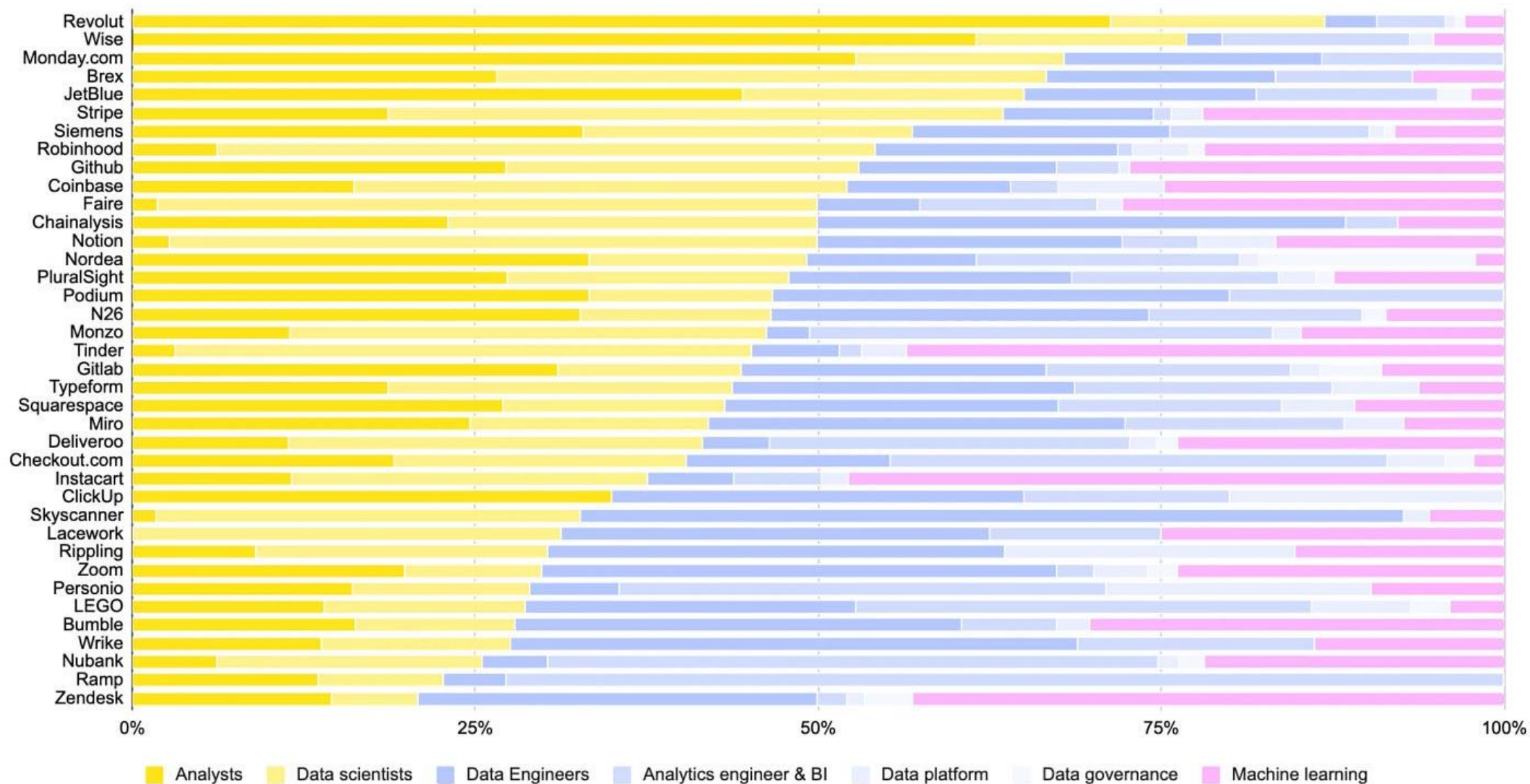
A group of miners in a dark cave, illuminated by headlamps, with a large pile of diamonds and a wheelbarrow.

# DATA SCIENCE DEVELOPMENT TOOLS

PART 1: PYTHON, NUMPY



# “HOW TOP DATA TEAMS ARE STRUCTURED”



# TOOLS FOR DATA MINING

- Start with Pickaxe and Shovel
- Move to jack hammer and other automated tools
- Python, SQL, R are common languages
- NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn (Python Packages)
- Tableau, PowerBI
- AWS SageMaker, Dataiku, DataRobot, DataBricks



# GOOGLE COLAB NOTEBOOK, SAMPLE PYTHON CODING

- [Welcome Page: Colab.research.google.com](https://colab.research.google.com)
- [Python Basics Notebook](#) (Part 1) (Do at home)
- [Python Basics Notebook \(Part 2\)](#)
- [NumPy Basics Notebook](#)