ML Week

0x0C   The Beginning

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The Basics

- Everything is a math problem (and a vector space)
- Features are king (and most of our time)
- More data is usually better

The Choices (I)

- Supervised (I know some answers)
- Unsupervised (I don't know much)

The Choices (II)

- Regression (answers in $\mathbb{R}$)
- Classification (answers are categories)

The Tools

- pandas
- scikit-learn

There are many others, but these are good for starting.
It's easy to waste time

- Linear (and non-linear) regression
- Logistic regression
- SVM

Under the hood, it's almost always a cost function and gradient descent.

Techniques (II): Neural networks

- Feed forward
- Backpropagation
- Deep
- Feature learning

Techniques (III)

- KMeans
- PCA
- Recommendation

The Future

- Learning
- Algorithms about learning
- Algorithms about features!

Resources

- Nantes Machine Learning Meetup
- Community
- Conversation

Questions?

purple.com/talk-feedback