

Hillsboro Python Machine Learning Meetup

January/2018

Ernest Bonat, Ph.D.

Senior Software Engineer

Senior Data Scientist

DAT Wi-Fi

Username: DAT Guest

Password: beaverton dat

- 6:00 – 6:40 pm: Pizza, **water only** and networking.
- 6:40 – 6:45 pm: Welcome message by Ernest Bonat, Ph.D.
- 6:45 – 8:00 pm: Presentation and open discussions.
- 8.00 pm – 9.00 pm: Coding and learning session. Bring your Python development laptop!

Why did I create this meetup?

1. Bad traffic to Portland downtown.
2. Vert hard to find a parking lot.
3. Bad Python presentation code.
4. No time at all to review the presentation and learn something after the meeting.

We need your support:

1. Need 1 Senior Python Developers for presentation and code review every month (Co-organizers, 4-6 hours a month)
2. Email Ernest at ebonat@15itresources.com

Our Meetup Mission:

1. *“Come, Listen, Code and Learn”*
2. Finding and presenting best practices of Machine Learning using Python Data Stack.
3. Create great networking place for Hillsboro-Beaverton Data Scientists.

Today Presentation

“Refactoring Python Code for Data Science Projects.
Python “Spaghetti Code” Everywhere!”

3 Main Online Machine Learning Teaching Companies:

1. Udemy (<https://www.udemy.com/>)
2. Springboard (<https://www.springboard.com/>)
3. Thinkful (<https://www.thinkful.com/>)

Look at the following blog:

“Building a Neural Network in Python”

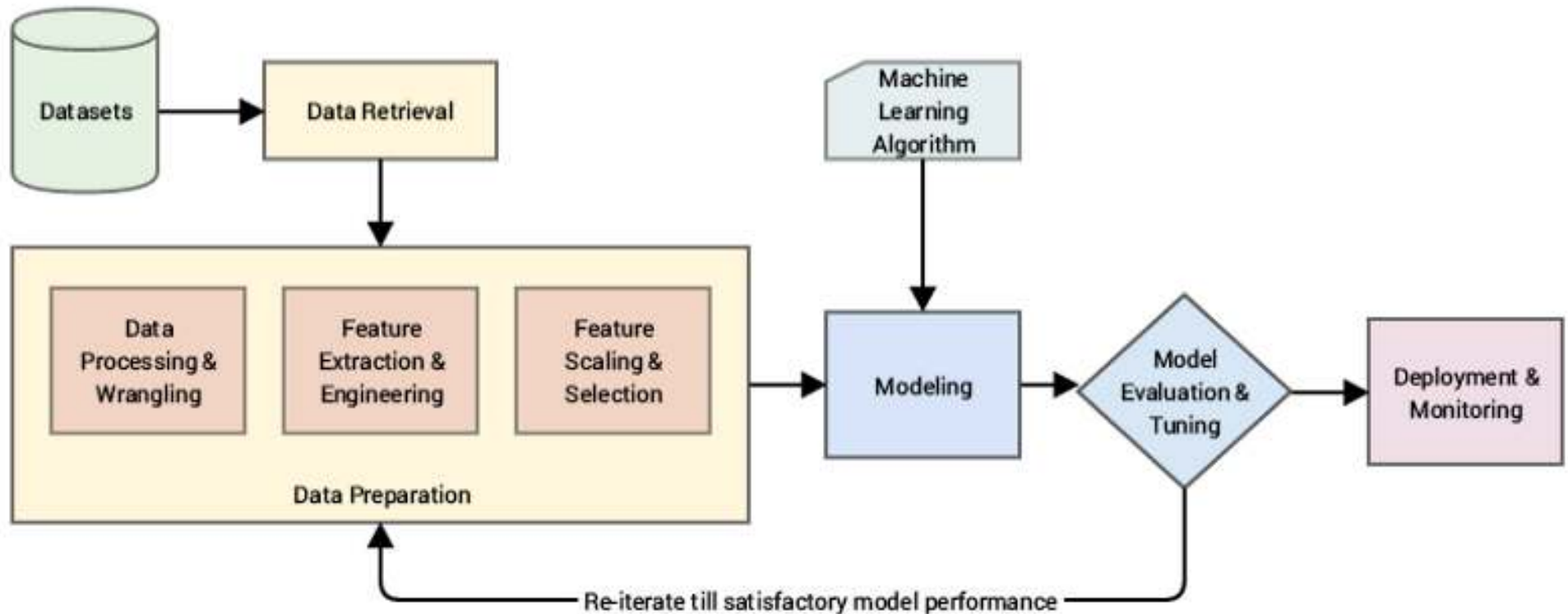
<https://www.springboard.com/blog/beginners-guide-neural-network-in-python-scikit-learn-0-18/>

Main Issues:

1. Top-Down programming style – general apply to procedures programming (“pythonic way”).
2. Using Procedure Programming (PP) instead of Object-Oriented Programming (OOP).
3. Hardcode numerical and string parameter and hyperparameter values.
4. Using Python old code from previous version
5. No code comments nowhere.
6. No error handling implementation nowhere
7. No unit test nowhere.

8. No Style Guide for Python Code (PEP 8).

Machine Learning Pipeline



Recommendations ?