EUROPE'S LEADING AEM DEVELOPER CONFERENCE

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AEM Data Science: AEMpy

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Prerequisites

1. Install Docker
2. docker pull odyssee/adaptto_aempy
3. docker run -p 8888:8888 -p 4502:4502 -it --rm odyssee/adaptto_aempy bash
4. sh ./start.sh

Definition

What is a Data Scientist?

- Cool word for “Statistician” or “Analyst”
- Answers questions with facts and numbers

- On free time:
  - DS does AI/ML
  - Compete on Kaggle.com (Google)

The Workshop (second part)

Workshop

1. Data Science in AEM using **Python** with **AEMpy**

2. Building Data Science Reports using AEM data and **Jupyter Notebook**

Why Python?

Python

- Simple, Fast
- Strong Scientific Libraries:
  - Scikit Learn, Numpy, Pandas
- Machine Learning Libraries:
  - Pytorch (Facebook), TensorFlow (Google), MXNet(Apache)
- Graphics and Visualization tools

adaptTo()

What is AEMpy?

AEMpy

Assets
Logs
Pages
Repository
…

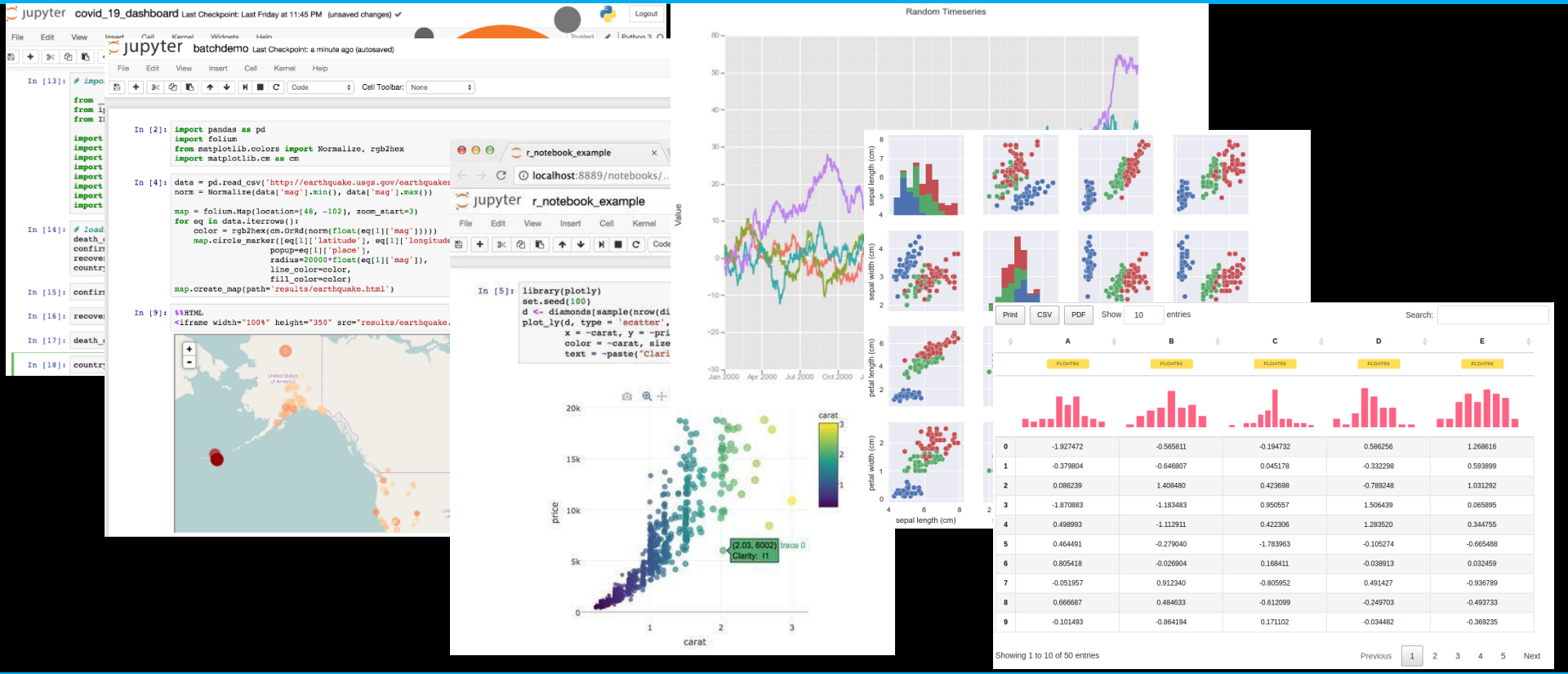
Python

AEM

adaptTo()

What is Jupyter?

Jupyter


jupyter covid_19_dashboard Last Checkpoint: Last Friday at 11:45 PM (unsaved changes)
jupyter batchdemo Last Checkpoint: a minute ago (autosaved)
r_notebook_example
localhost:8889/notebooks/...
jupyter r_notebook_example
Random Timeseries
Value
Jan 2000
Apr 2000
Jul 2000
Oct 2000
sepal length (cm)
sepal width (cm)
petal length (cm)
petal width (cm)
Print
CSV
PDF
Show 10 entries
Search:
A
B
C
D
E
FLOAT64
Showing 1 to 10 of 50 entries
Previous
Next
price
carat
(2.03, 6002)
trace 0
Clarity: I1

Let’s Start!

What's Next?

- Fork and contribute:
  - github.com/houseofai/aempy