

**PROFESSIONAL CERTIFICATE
IN MACHINE LEARNING AND
ARTIFICIAL INTELLIGENCE**

**Office Hour #1 with
Savio Saldanha**

March 14, 2022 at 5 pm UTC

AGENDA

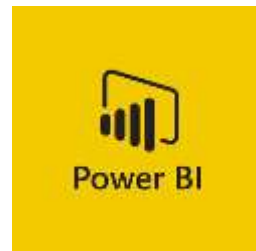
- **Ice breaker**
- **AI use cases**
- **DIY ML Experiments**
- **Module 1 review**

INTRODUCTION – LEARNING FACILITATOR



Savio Saldanha, PMP

- Managing Consultant for Analytics and Machine Learning and Artificial Intelligence at Ernst and Young.
- Served as analytics manager, consultant and professor at various organizations.
- Usually roped in to initiate and execute analytics practices, programs and projects.
- Authored a popular book on Project Management aligned to the University of Mumbai curriculum.
- Contributing author to the Project Management Body of Knowledge Seventh Ed.
- Contributing member of the Python Software Foundation



Logos belong to their respective owners

ICE BREAKER

- We'll break into groups of two.

ICE BREAKER

- What goal(s) have you achieved in the past year or two?
- What skills were important in achieving the goal(s)?

ICE BREAKER

- What's your understanding of machine learning?

DIY ML Experiments

Quick fun applications of ML AI



Systems gone wrong...



Prestige without the price

Cash rewards exclusively for you—
and no annual fee!

Plus, get a \$100 cash back bonus offer

Use Is A Slut McIntire, you've earned this special offer.
You are invited to receive this exceptional offer for the BankAmericard Cash Reward
Key International Honour Society. You can accept this invitation by calling 1.877.511.1234

Exclusive? Yes.
An offer like this can be extended only to those who are creditworthy. That's because it's almost, well, too good to be true.

A screenshot of a Bank of America credit card offer. The text promotes a 'Prestige without the price' offer with cash rewards and a \$100 cash back bonus. It includes a personalized message: 'Use Is A Slut McIntire, you've earned this special offer.' and an invitation to accept the offer by calling 1.877.511.1234. Below the text, there are four black silhouettes of women, each with a red target symbol on their back. The fourth silhouette from the left has a '!?' symbol above it, indicating a system error or a situation that deviates from the expected norm.

POTENTIAL APPLICATIONS OF ML IN YOUR WORK

- Take a minute to think about how ML can be used in your work?
- Lets share

ADDITIONAL RESOURCES



Useful Learning Resources

Savio Sakdhanha
All Sections

Mar 9 at 7:05pm

Dear Participants,

Here are some additional popular resources which might be useful, especially as a refresher to stats and programming in Python.

Note that you don't need to study the whole of these resources. Pick and choose topics within them based on the course content and areas you'd like to refresh.

Running Python Code in Your Browser, using Google's Compute for FREE

- [Google Colab](#) (requires an internet connection, but very useful if you're programming on a PC / laptop with a weak configuration). You'll see a popup asking you to create a new notebook as soon as you land on this page; click Cancel, and read the Getting Started guide on the page to know more.

Statistics

- <https://onlinestatbook.com/2/index.html>
- [Khan Academy](#)
- [Introduction to Probability for Data Science](#)
- <https://www.youtube.com/c/joshstarmar> (Love his trademark BAAM! :D)

Machine Learning

- [An Introduction to Statistical Learning](#) (in R)
- [Python Data Science Handbook](#)

Data Visualization in Python using the Matplotlib or Seaborn packages (note there are several other visualization packages available)

- [Matplotlib in 6 minutes](#)
- [Matplotlib in one video](#)
- [Seaborn in one video](#)

Pandas

- [Pandas for Data Science in 20 Minutes](#)
- [Pandas Exercises](#): After watching the above video, practice these pandas quizzes

Practice the Data science concepts together

- [Data Analysis with Python](#)

MODULE 1 REVIEW and QUESTIONS?

- Data repos
- Pandas
- Selecting data
- Plotting data (hist, scatter, line, bar)

