



APSSDC

Andhra Pradesh State Skill Development Corporation



Data Science



Using Python

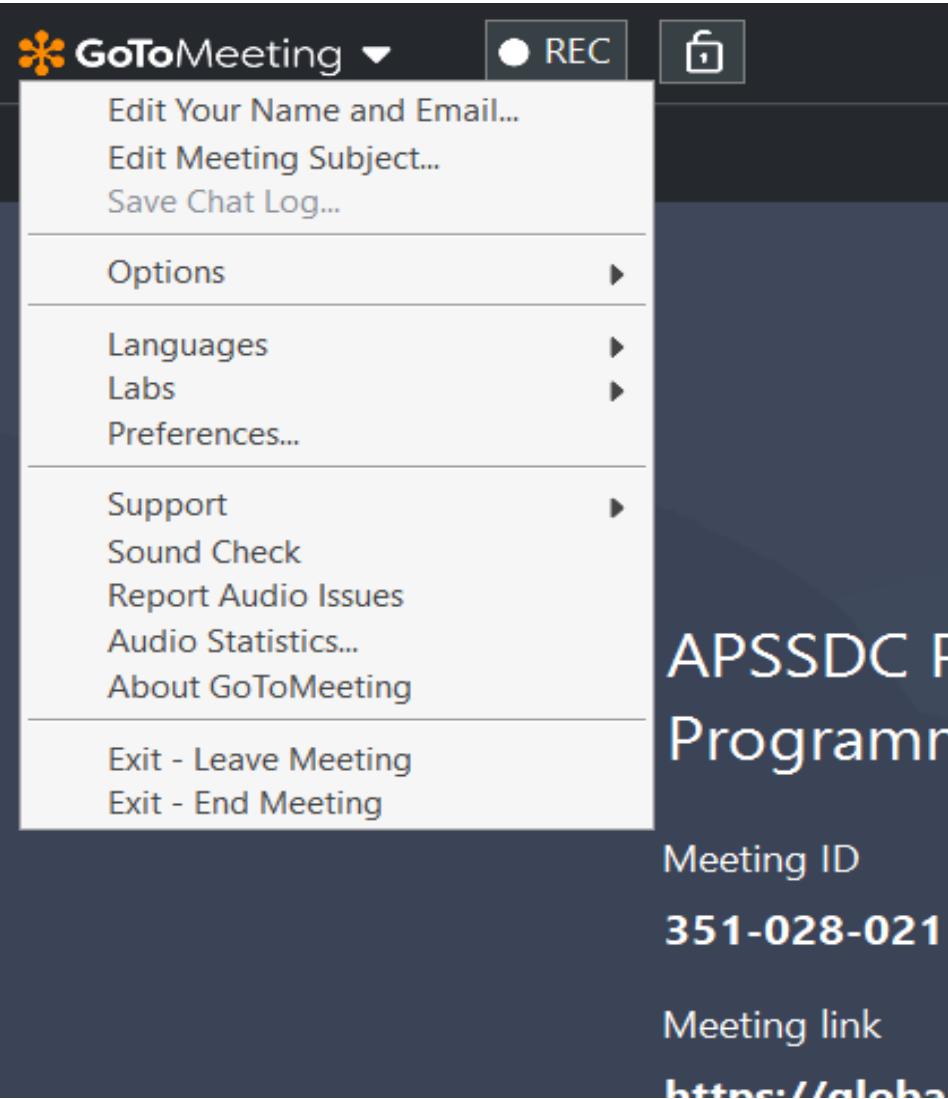


NumPy



For Attendance and
Verification Purpose

RollNo-Name-
College-Code/
CollegeName
And Registered
Email ID



The screenshot shows the GoToMeeting interface. At the top, there is a 'GoToMeeting' logo with a dropdown arrow, a 'REC' button, and a lock icon. A dropdown menu is open, listing the following options: 'Edit Your Name and Email...', 'Edit Meeting Subject...', 'Save Chat Log...', 'Options', 'Languages', 'Labs', 'Preferences...', 'Support', 'Sound Check', 'Report Audio Issues', 'Audio Statistics...', 'About GoToMeeting', 'Exit - Leave Meeting', and 'Exit - End Meeting'. Below the menu, the text 'APSSDC P' and 'Programr' is visible. Further down, the 'Meeting ID' is displayed as '351-028-021' and the 'Meeting link' is partially visible as 'https://globo'.

Session Resources



[https://bit.ly/apssdc-ds-](https://bit.ly/apssdc-ds-internship)
[internship](https://bit.ly/apssdc-ds-internship)

WHAT IS DATA SCIENCE

Data science is the domain of study that deals with vast volumes of **data** using modern tools and techniques to find unseen patterns, derive meaningful information, and make business decisions

WHAT DOES A DATA SCIENTIST DO?

A **data scientist** analyzes business data to extract meaningful insights. In other words, a data scientist solves business problems through a series of steps, including:

- Ask the right questions to understand the problem
- Gather data from multiple sources — enterprise data, public data, etc
- Process raw data and convert it into a format suitable for analysis
- Feed the data into the analytic system—ML algorithm or a statistical model
- Prepare the results and insights to share with the appropriate stakeholders

DATA SCIENCE APPLICATIONS

Fraud and Risk
Detection

Healthcare.

Internet Search

Targeted
Advertising

Website
Recommendations

Advanced Image
Recognition

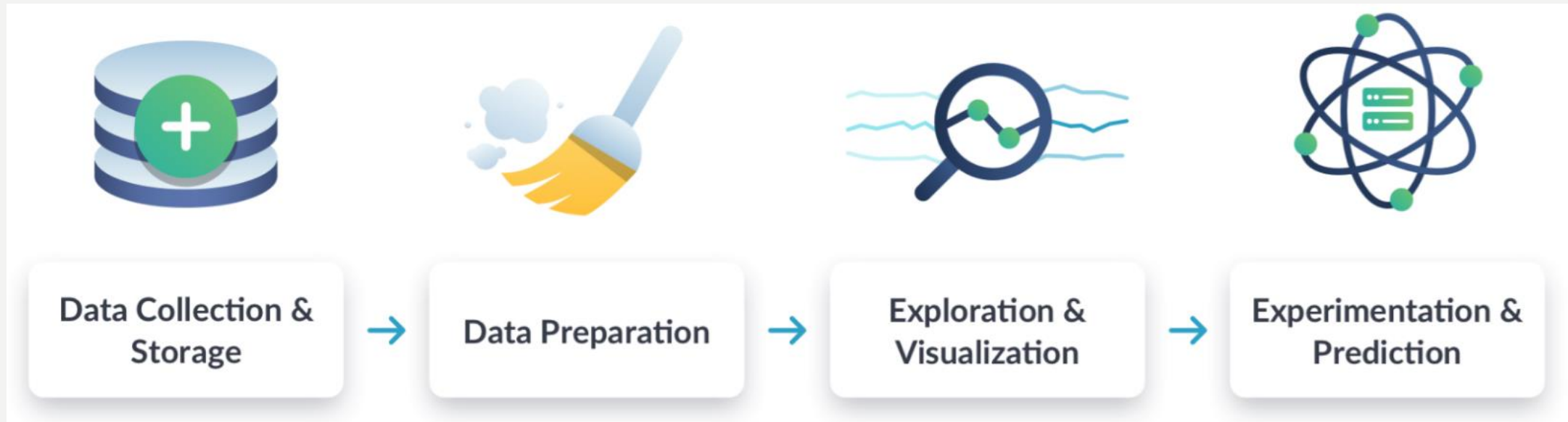
Speech
Recognition

Airline Route
Planning

IF DATA IS THE NEW OIL



DATA SCIENCE WORKFLOW



By Anil Kumar APSSDC

AGENDA PART - 1

Intro to Data
and Data
Manipulation
with NumPy

Cleaning Data
in Python

Introduction
to Data
Visualization
& Matplotlib



Data Analysis
with pandas

Data
Preprocessing
with Scikit-
Learn

Data
Visualization
using Seaborn

AGENDA PART - 2

