

Shahid Beheshti University

Engineering Probability & Statistics

PRESENTED BY KAMYAB ABEDI | FALL 2021

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Introduction

Briefly elaborate on what we want to discuss.

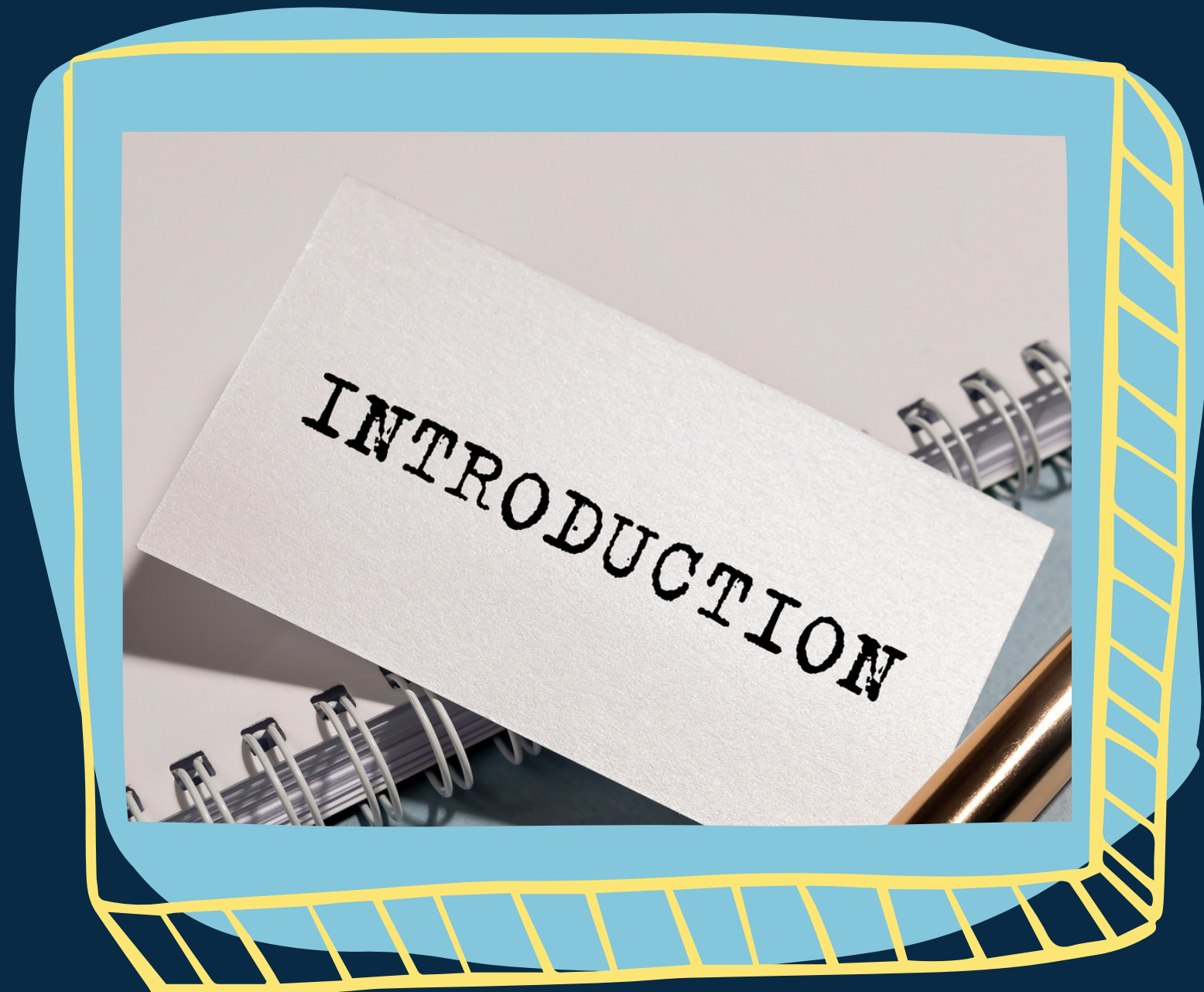
Jupyter Notebook: An Introduction

Getting Up and Running With Jupyter Notebook

Basic of python

Introduction to python

What is our target?



An Introduction



Welcome,
my awesome students!

LET'S WORK TOGETHER, DO OUR BEST TO LEARN
AS MUCH AS WE CAN, AND RESPECT AND
SUPPORT EACH OTHER THROUGH ALL THE
CHALLENGES. LET'S DO THIS!

THE PRESENTERS

ALIREZA
CHAGHA-MIRZAEI

4th year student of CE

ALIREZA
ZAMANI

4th year student of CE

EHSAN
SAJADI

4th year student of CE

KAMYAB
ABEDI

4th year student of CE



Engineering Probability & Statistics


We will study basic mathematical concepts, principles and procedures.

We will cover principles of algebra, geometry and trigonometry. We will learn to use mathematical analysis and problem solving to prepare you for advanced courses.



Individual Work

ASSIGNMENTS





Homework will be handed out for each lesson. You will be expected to submit them on the deadline indicated.

QUIZZES

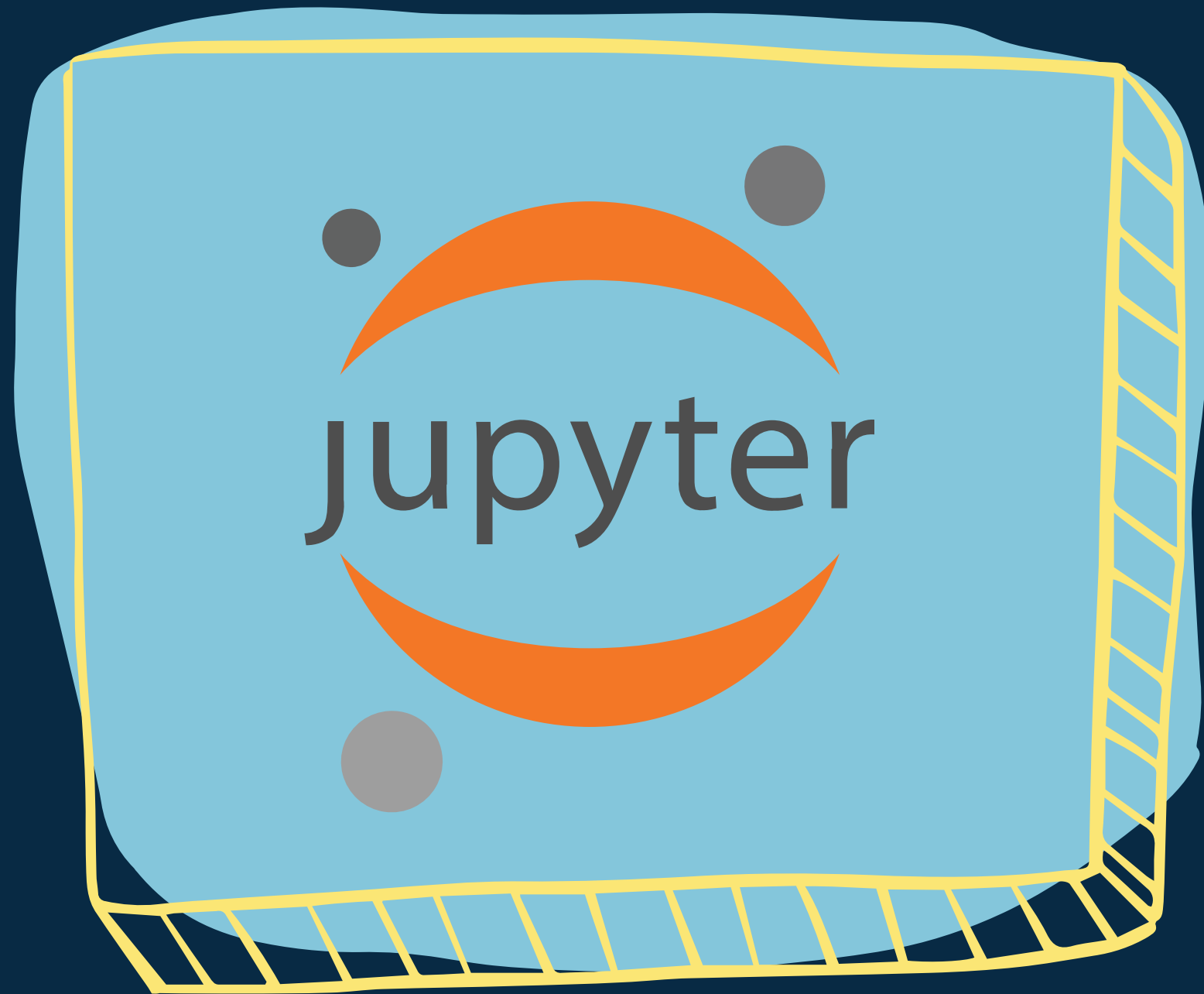
There will be quizzes weekly to assess your understanding of the lesson for the week.

EXAMS

There will be three major exams - 2 midterm and a final exam. They will be done online and you will be given ample time to complete them.







Jupyter Notebook: An Introduction

Getting Up and Running With
Jupyter Notebook



Jupyter Notebook

THE JUPYTER NOTEBOOK IS AN OPEN SOURCE WEB APPLICATION THAT YOU CAN USE TO CREATE AND SHARE DOCUMENTS THAT CONTAIN LIVE CODE, EQUATIONS, VISUALIZATIONS, AND TEXT. JUPYTER NOTEBOOK IS MAINTAINED BY THE PEOPLE AT PROJECT JUPYTER.





Jupyter Notebook: An Introduction

✿ GETTING UP AND RUNNING WITH JUPYTER NOTEBOOK

- Installation
- Starting the Jupyter Notebook Server

✿ EXPORTING NOTEBOOKS

- How to Use nbconvert
- Example Usage
- Use the Menu

✿ CREATING A NOTEBOOK

- Naming
- Running Cells
- The Menus
- Starting Terminals and Other Things
- Viewing What's Running

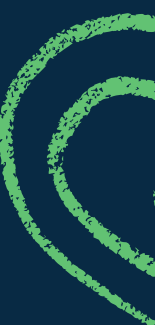
✿ NOTEBOOK EXTENSIONS

- What Are Extensions?
- Where Do I Get Extensions?
- How Do I Install Them?

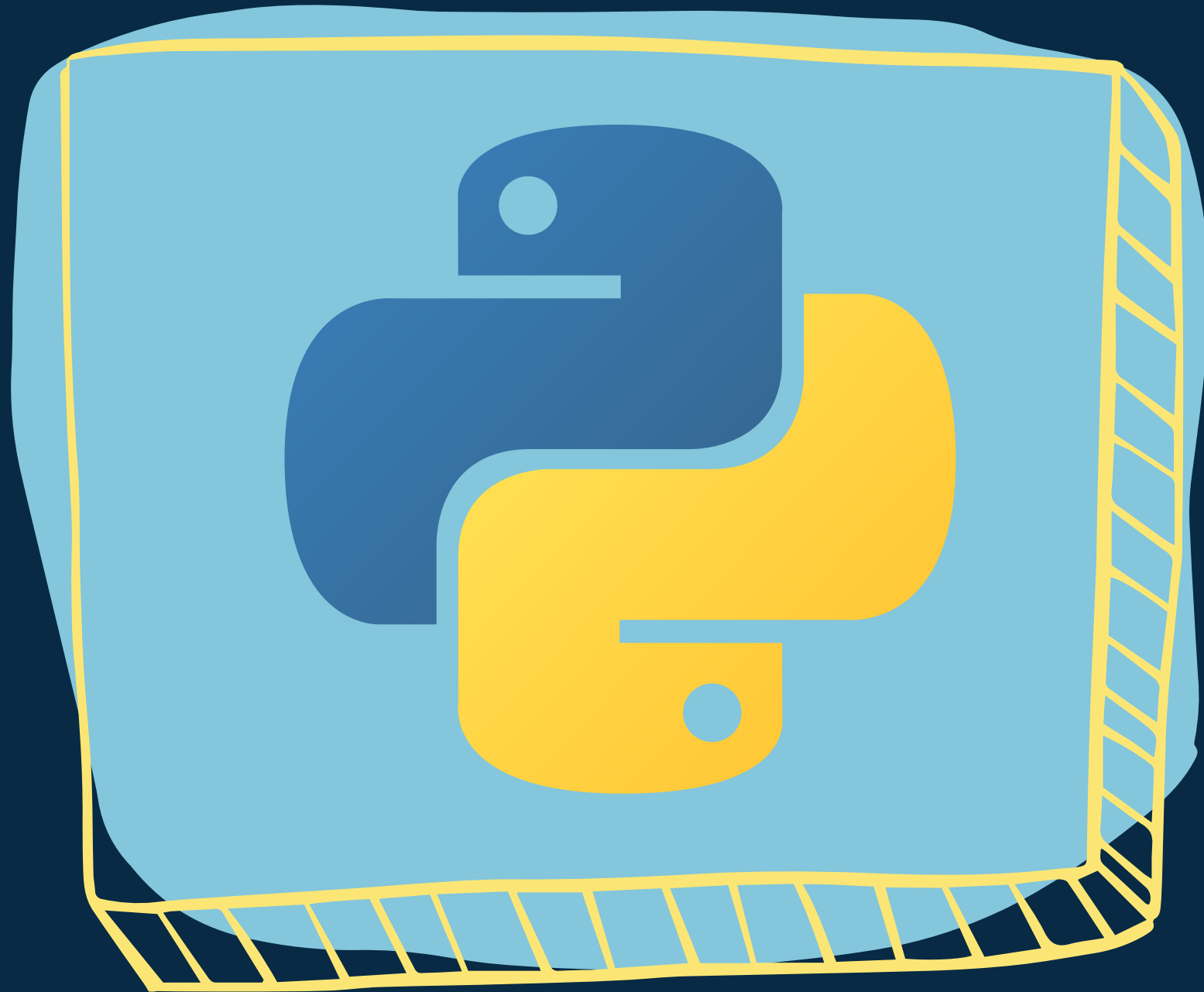
✿ ADDING RICH CONTENT

- Cell Types
- Styling Your Text
- Headers
- Creating Lists
- Code and Syntax Highlighting

✿ CONCLUSION







Basic of python

Introduction to python

A decorative border surrounds the central text, featuring various colorful shapes and patterns. At the top, there is a red square, a blue wavy line, a yellow diamond, a red scribble, a green triangle, a red spiral, a pink semi-circle, and a blue arrow. At the bottom, there is a red wavy line, a yellow scribble, a blue L-shape, a red scribble, a green flower-like shape, a yellow semi-circle, and several red and yellow stars.

What is Python?

PYTHON IS A POPULAR PROGRAMMING LANGUAGE. IT WAS
CREATED BY GUIDO VAN ROSSUM, AND RELEASED IN 1991.



It is used for:

- web development (server-side),
- software development,
- mathematics,
- system scripting.



Coding Time

Tell me and I forget, teach
me and I may remember,
involve me and I learn.

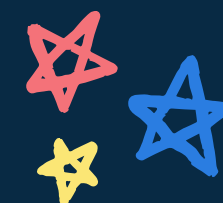
- Benjamin Franklin

MAY WE HAVE FUN AND PRODUCTIVE
LEARNING SESSIONS AHEAD.
WELCOME TO LEARNING PYTHON COURSE!



source

- python.org
- jupyter.org
- docs.python.org/3/tutorial/
- realpython.com
- projecteuler.net/archives





Feel free to get in touch

Contact us for any questions or clarifications

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