

Rating Analysis

Project Report

<Version 1.0>

Industrial Training

(ECS - 599)

BACHELOR OF TECHNOLOGY (CSE)

Specialization In Artificial Intelligence

PROJECT GUIDE:

Mrs. Neeraj Kumari

Assistant Professor (CCSIT)

SUBMITTED BY:

Ayush Jain

TCA1959016

October,2021



FACULTY OF ENGINEERING & COMPUTING SCIENCES

TEERTHANKER MAHAVEER UNIVERSITY, MORADABAD

ACKNOWLEDGEMENT

I would like to express my special thanks to my supervisor of internshala who helped me in my training of MACHINE LEARNING. I was fully supported throughout the training duration with all the required data and related details to prepare this report.

I would also like to express my gratitude towards Mrs. Neeraj Kumari mam for guiding me throughout the project. I also feel thankful and express my kind gratitude towards our Principal Dr. Rakesh Kumar Dwivedi for allowing me to conduct this project of RATING ANALYSIS. I am making this project for self improvement and knowledge.

Ayush Jain

TCA1959016

Place: Moradabad

Date: 19 December 2021

DECLARATION

We hereby declare that this Project Report titled **Rating Analysis** submitted by us and approved by our project guide, the College of Computing Sciences and Information Technology (CCSIT), Teerthanker Mahaveer University, Moradabad, is a bonafide work undertaken by us and it is not submitted to any other University or Institution for the award of any degree diploma / certificate or published any time before.

CERTIFICATE OF TRAINING



Certificate of Training

Ayush Jain

from Teerthanker Mahaveer College Of Engineering has successfully completed a 6-week online training on **Machine Learning**. The training consisted of Introduction to Machine Learning, Data, Introduction to Python, Data Exploration and Pre-processing, Linear Regression, Introduction to Dimensionality Reduction, Logistic Regression, Decision Tree, Ensemble Models, and Clustering (Unsupervised Learning) modules.

We wish Ayush all the best for future endeavours.

A handwritten signature in black ink, appearing to read "Sarvesh", written over a light blue horizontal line.

Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2021-09-05

Certificate no. : 20D5D206-3586-0DE4-AB45-33B2497EA644

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

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A: Data Flow Diagram (DFD)

B: Use Case Diagram (UCD)

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1 Project Title

Rating Analysis

2 Problem Statement

When you have to do analysis of data for any purpose like personal ,selling and buying , industrial or any other purpose to know where we have do more work ,If the data is small and readable you can do Analysis of the data but when the data is very big and not readable which is very much time consumable for human to gain important information from that data ,here we can use this project model to do analysis of this data.

3 Project Description

When we import the dataset to the project model and give some input, then the model Analyse the data to gain some important data and display that data into web page in the form of line graphs . In this model we work on Rating Attribute of dataset and the data is display line graph by average rating by month, average rating by week, average rating by day, average rating week daywise and display full dataset in sorted form.

3.1 Scope of the Work

The domain of this project is to make dataset human readable by Analysis in Machine Learning.

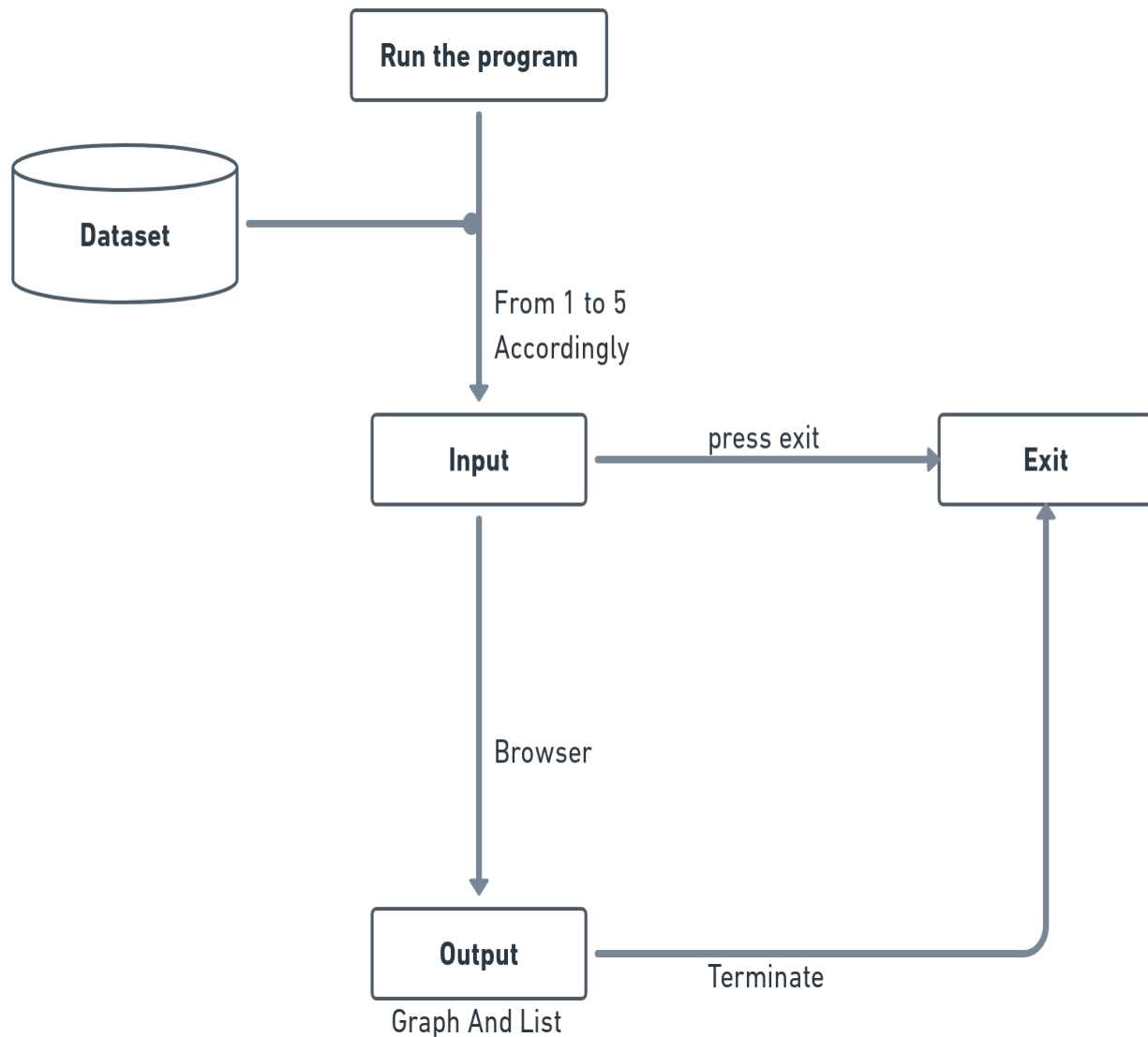
3.2 Project Modules

Following python libraries are used in this project:-

1. Pandas :- which is use for import CSV file to the program
2. Justpy :- which is a python web framework
3. Tkinter :- For Graphical User Interface
4. Webbrowser :- for opening Web browser automatically

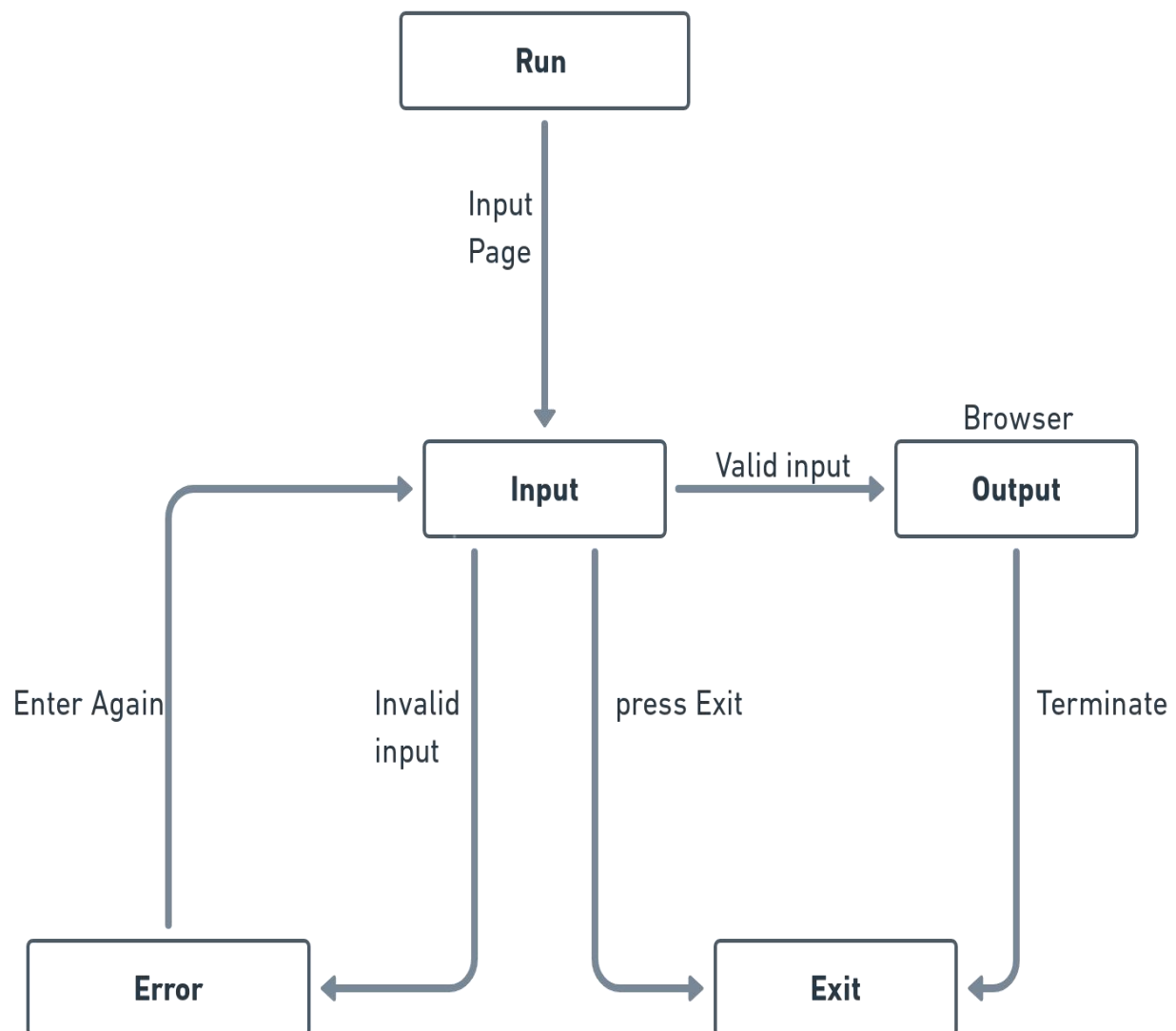
In this machine learning project we work on a CSV file which is a huge dataset of reviews of courses which has four attributes such that Course Name , Time Stamp , Rating and Comment . Here we are work on the rating attribute by analyse that .

3.3 Context Diagram (High Level)



4 Implementation Methodology

In this machine learning project , Firstly you have to run the program from desktop icon name “Rating Analysis” or by Python Idle, then the pop-up GUI window display on the screen where the size and shape of data are mentioned followed by the instruction of input . Give input in the textbox (from 1 to 5) According to the input instruction and press Result Button And Exit if you want to exit. If input is valid and correct then the program is redirected to the browser (chrome) where it show the output result according to the input and if input is invalid then small pop-up window of Error , appear on the screen.



5 Technologies to be used

5.1 Software Platform

- Python programming
- Javascript

5.2 Hardware Platform

- RAM : 4 GB
- HDD : 500 GB
- OS : 64-bit Windows
- Browser : chrome, Firefox
- CPU : I5 proccessor

5.3 Tools

- Visual Studio Code (version 1.60 and above)
- HighCharts

6 Advantages of this Project

1. It saves the time and human efforts
2. This project sort the whole dataset which was easy to understand
3. It can do complex analysis which was difficult for us
4. Web based graphs
5. Fast processing
6. User Friendly

7 Assumptions

NONE

8 Future Scope and further enhancement of the Project

This ML project can analyse the data from dataset and predict outcomes to improve that in future . We can add more features to our machine to do more things on data and also we can enhance the accuracy of machine to analyse the data more accurately.

9 Project Repository Location

S#	Project Artifacts (softcopy)	Location	Verified by Project Guide	Verified by Lab In-Charge
1.	Project Synopsis Report (Final Version)	https://docs.google.com/document/d/1RM-Yqk8m2AWnJ6ZZRJtRejcZi20ZVwmA/edit?usp=sharing&oid=115783959917367418441&rtpof=true&sd=true		
2.	Project Progress updates	NONE		
3.	Project Requirement specifications	NONE		
4.	Project Report (Final Version)			
5.	Test Repository	NONE		

S#	Project Artifacts (softcopy)	Location	Verified by Project Guide	Verified by Lab In-Charge
6.	Any other document, give details	https://docs.google.com/document/d/1RM-Yqk8m2AWnJ6ZZRJtRejcZi20ZVwmA/edit?usp=sharing&ouid=115783959917367418441&rtpof=true&sd=true		

10 Definitions, Acronyms, and Abbreviations

Abbreviation	Description
RAM	Random Access Memory
HDD	Hard Disk Drive
GUI	Graphical User Interface
OS	Operating System
IDLE	Integrated Development Environment
CPU	Central Processing Unit
CSV	Comma – Separated values
ML	Machine learning

11 Conclusion

1. In the end machine give us useful information from dataset by line graphs.
2. Graphs are easy to understand as compare to dataset. Machine display graph by months ,weeks, days and daywise.
3. Program give us a sorted dataset which we can easily understand.

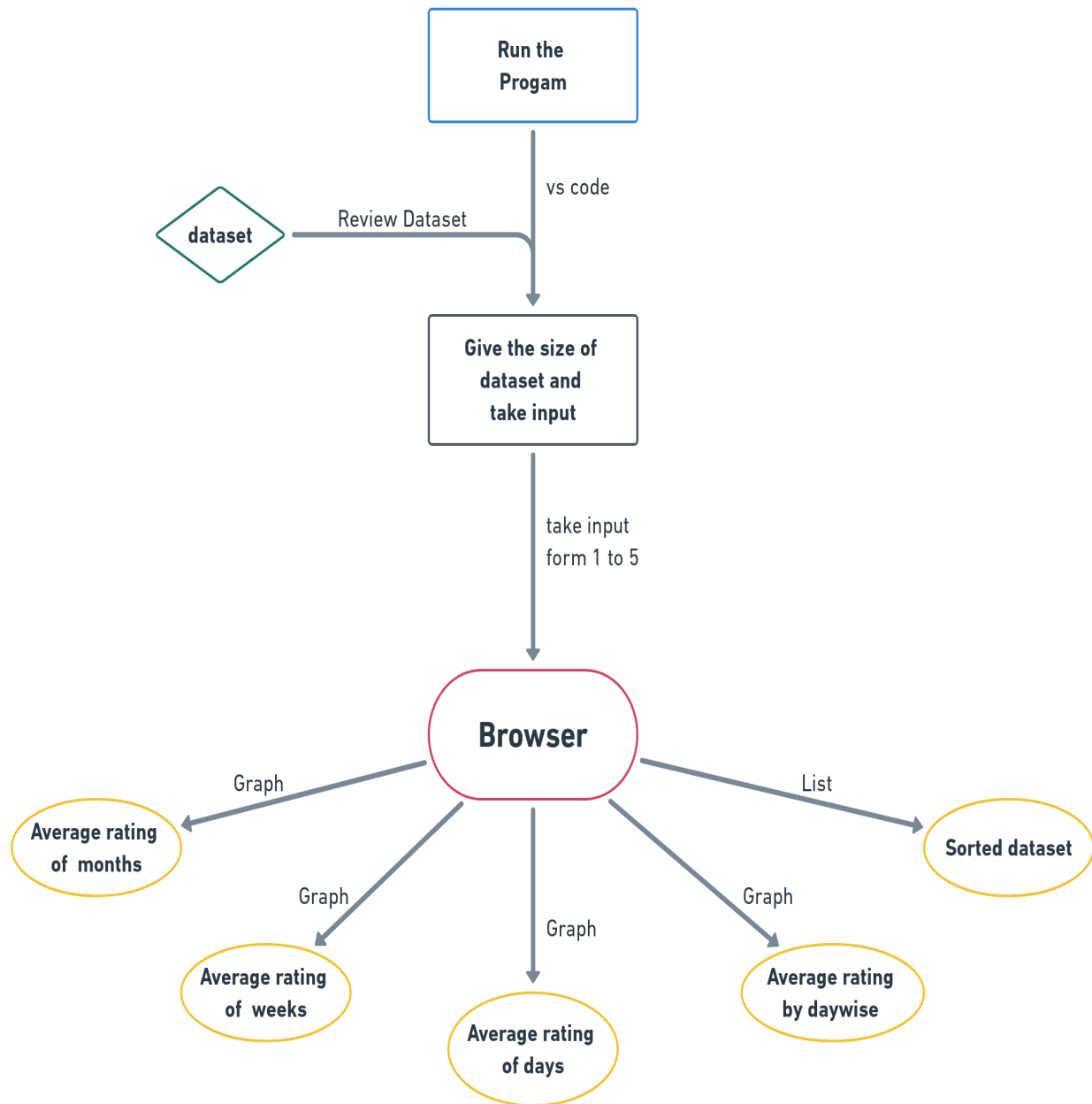
12 References

- www.udemy.com
- <http://www.github.com>
- <http://www.javatpoint.com>
- <http://www.internshala.com>

S#	Reference Details	Owner	Version	Date
1.	Project Synopsis	Ayush Jain	1.0	29-12-21
2.	Project Requirements	<Project Group ID>		
3.				

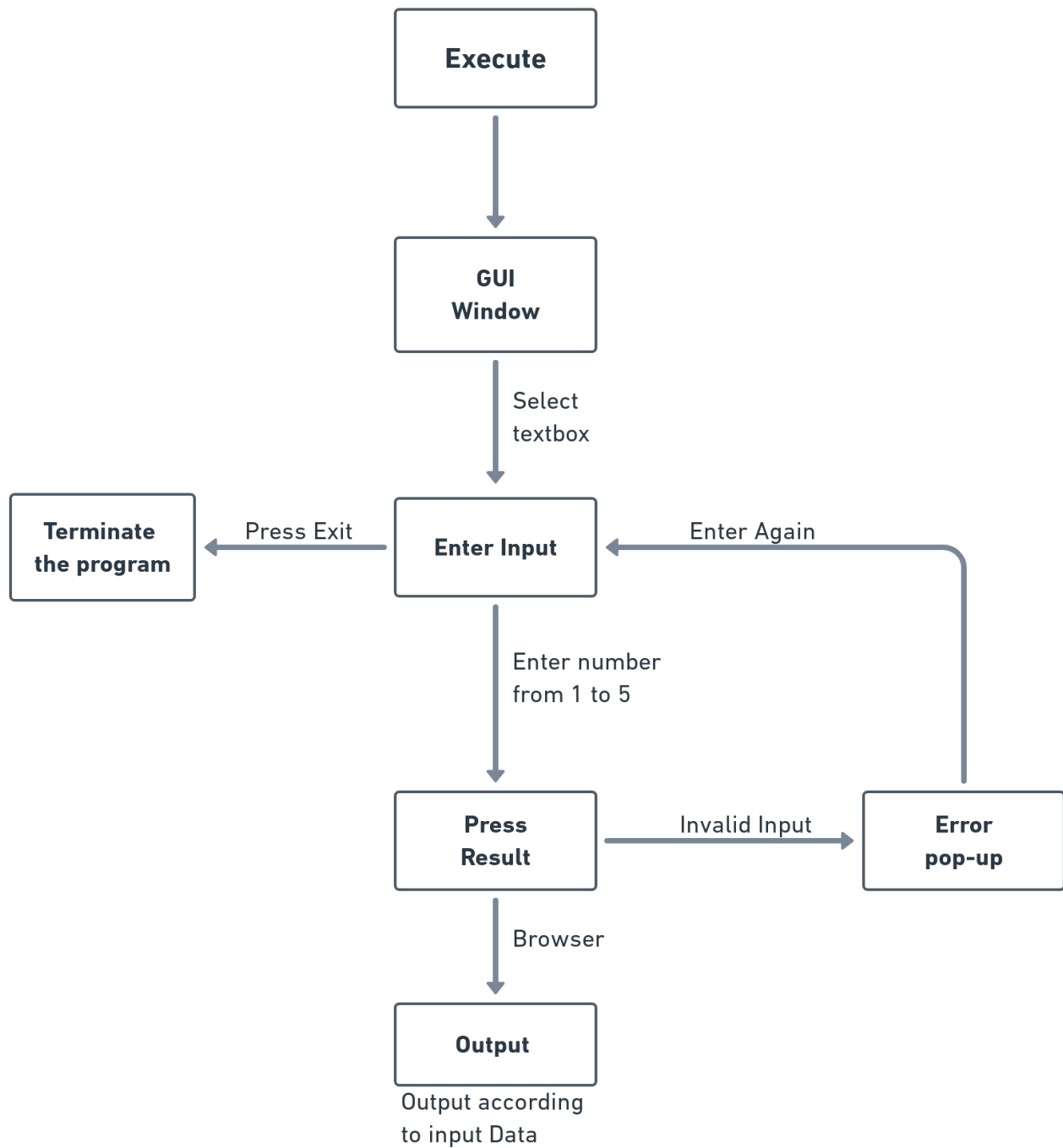
Annexure A

Data Flow Diagram (DFD)



Annexure B

Use-Case Diagram (UCD)



Annexure C

Screen Shots

Input Page

Rating Analysis

RATING ANALYSIS

DATASET CONTAINS :-
Rows = 45000
Coloums = 4

Enter the number for following analysed graphs of dataset :-

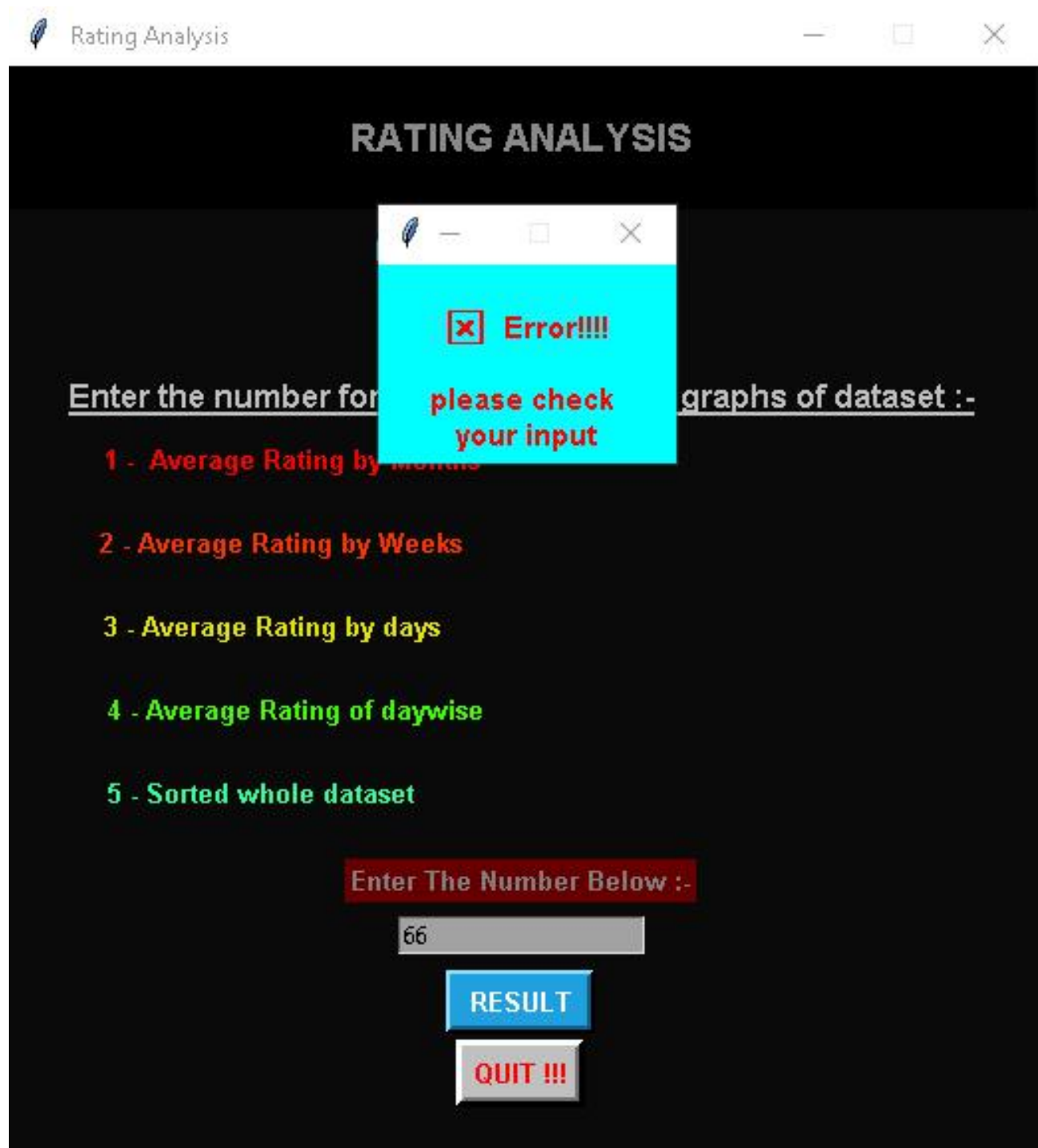
- 1 - Average Rating by Months
- 2 - Average Rating by Weeks
- 3 - Average Rating by days
- 4 - Average Rating by weekdays
- 5 - Sorted whole dataset

Enter The Number Below :-

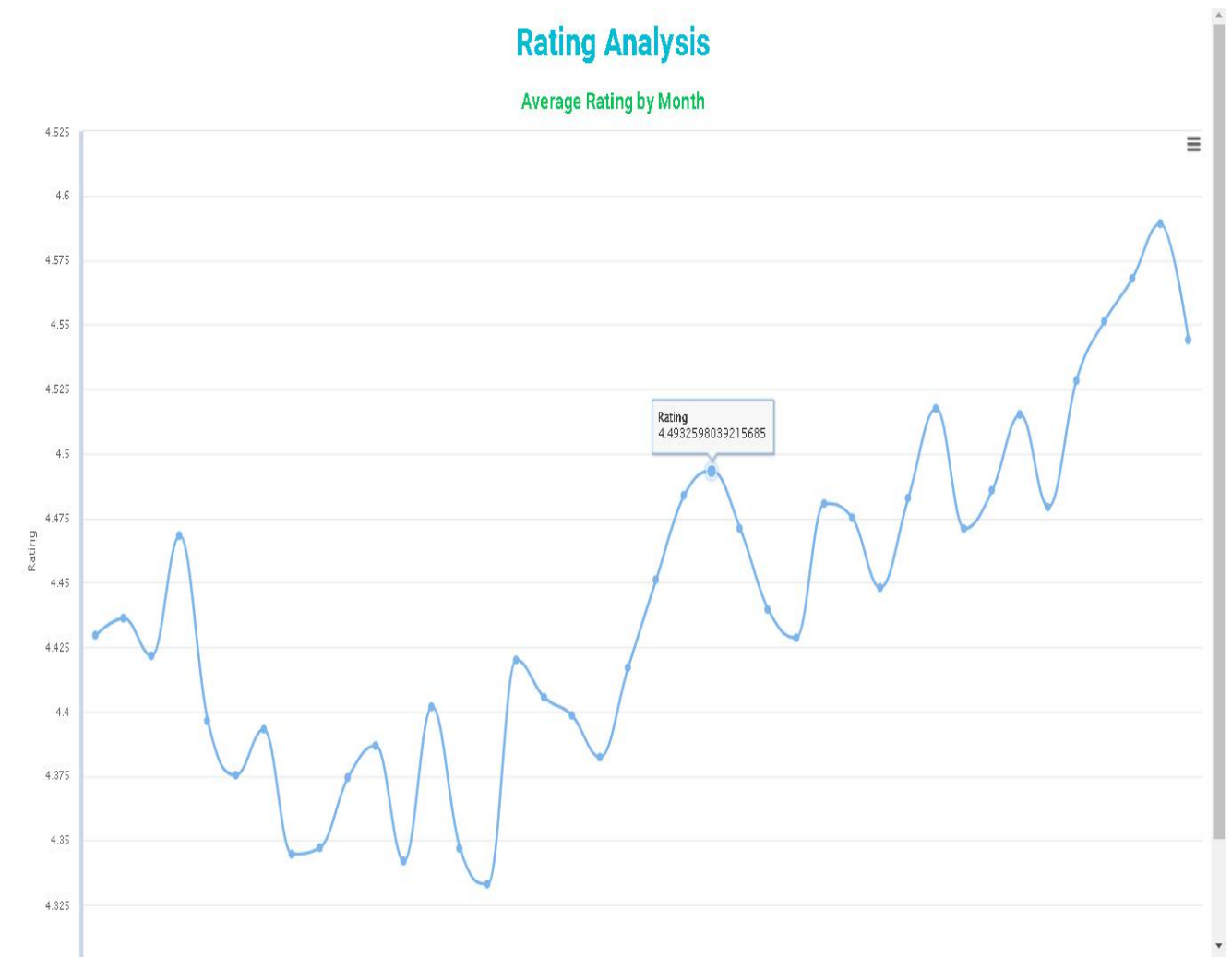
RESULT

QUIT !!!

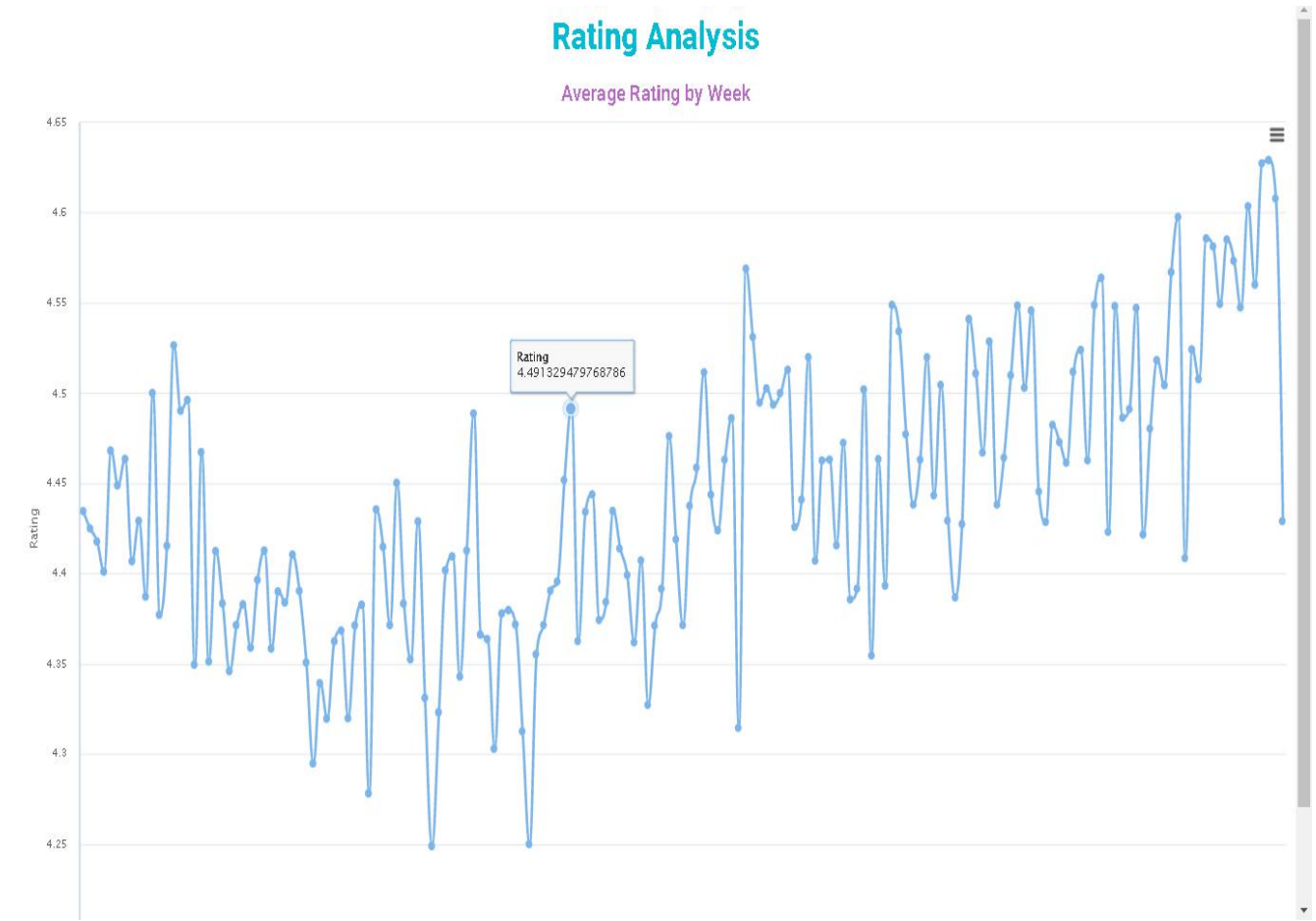
Error window



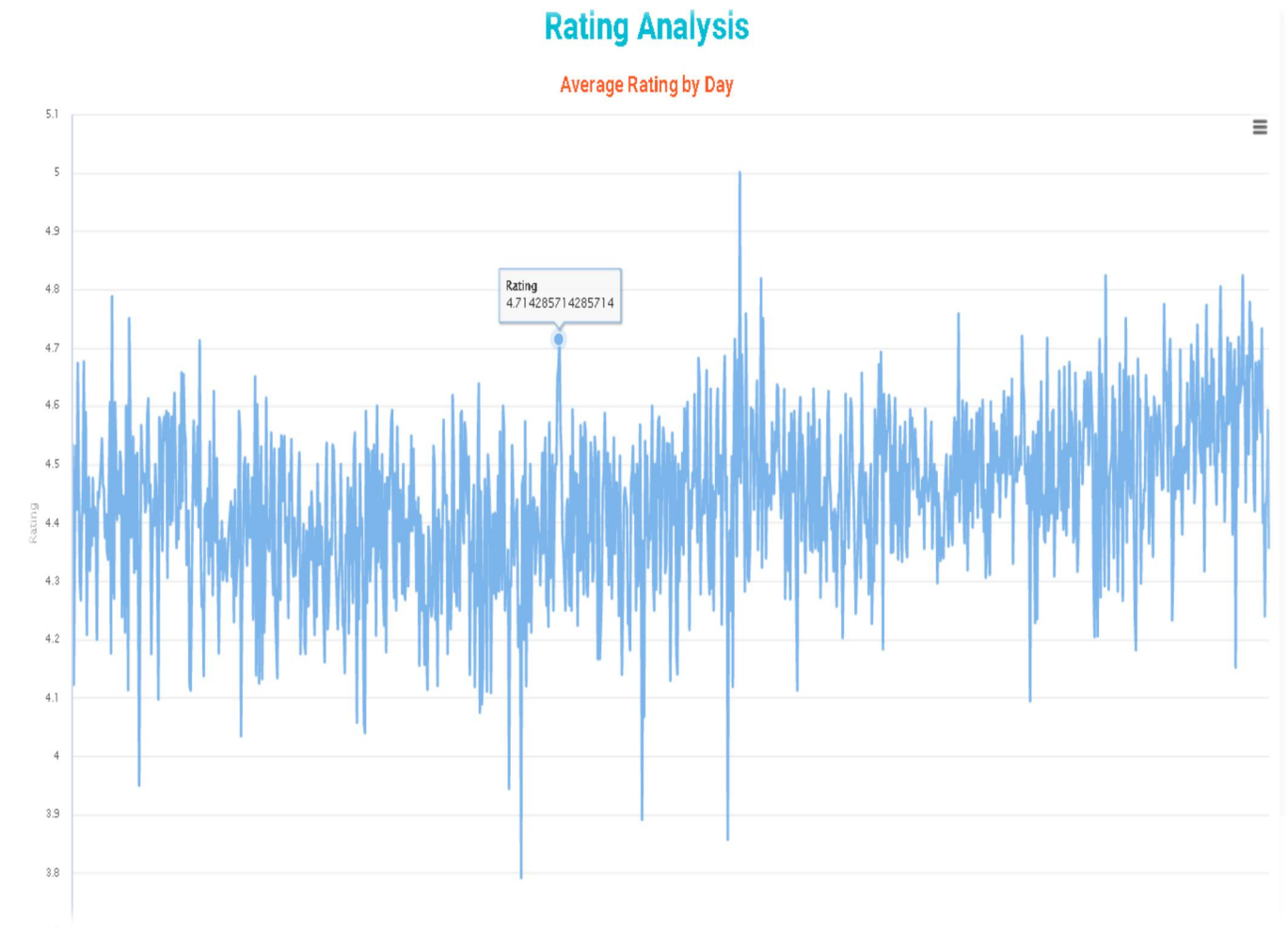
1 – Average rating of Months



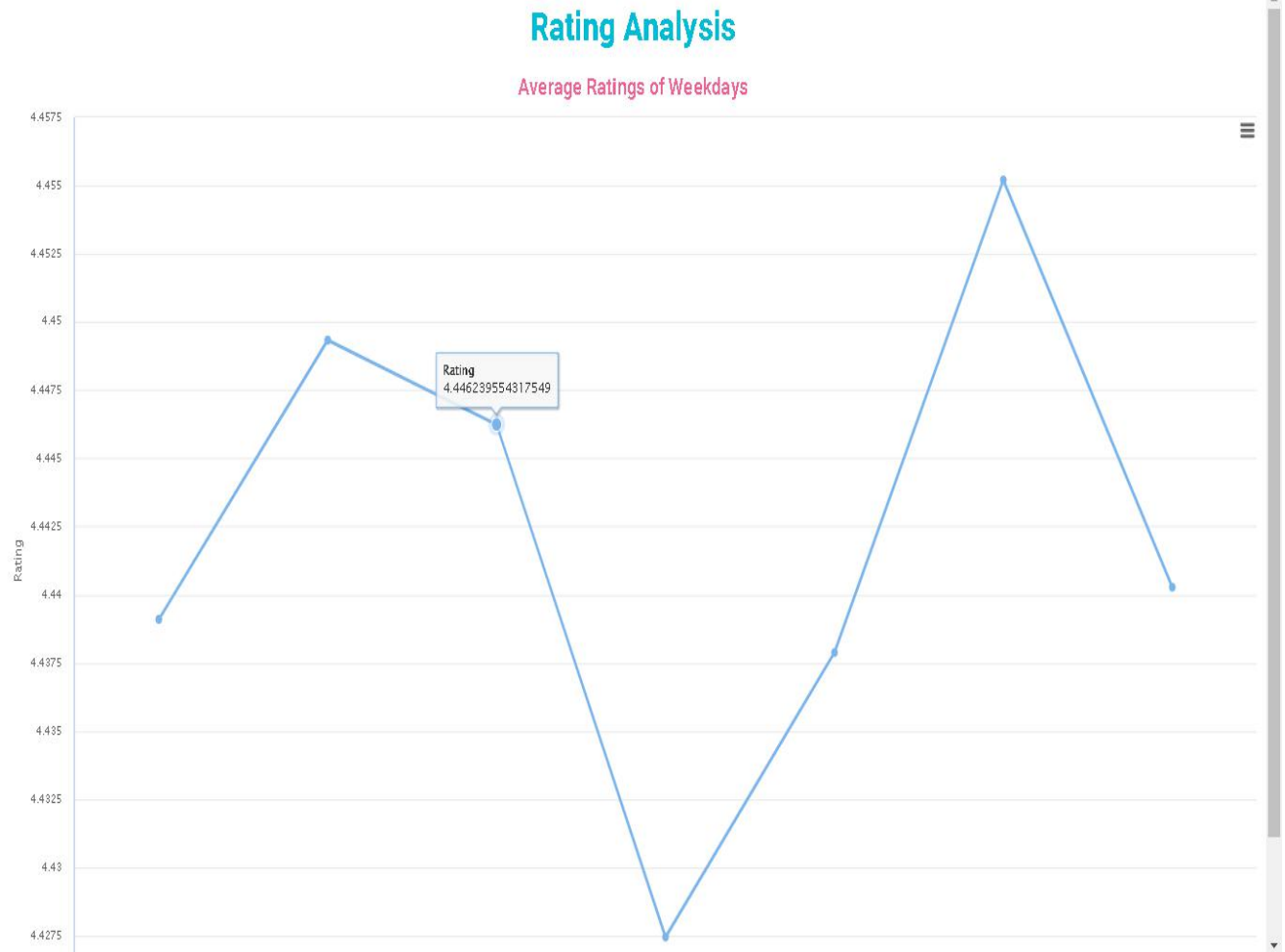
2 – Average rating by Weeks



3 – Average rating by Days



4 – Average rating by Weekdays



5 – Sorted Dataset

Rating Analysis

Dataset of REVIEWS

Course Name ↕↑	Timestamp ↕↑	Rating ↕↑	Comment ↕↑
The Python Mega Course: Build 10 Real World Applications	2021-04-02 06:25:52+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 05:12:34+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 05:11:03+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 03:33:24+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 03:31:49+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 01:10:06+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 00:44:54+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 23:42:02+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 21:58:40+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 20:13:27+00:00	5	
The Complete Python Course: Build 10 Professional OOP Apps	2021-04-01 18:56:12+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 15:25:18+00:00	5	No
100 Python Exercises I: Evaluate and Improve Your Skills	2021-04-01 15:03:17+00:00	4.5	
The Complete Python Course: Build 10 Professional OOP Apps	2021-04-01 13:56:49+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 13:42:13+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 12:16:11+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 09:38:30+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 09:35:44+00:00	3.5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-04-01 09:00:03+00:00	4.5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-04-01 08:47:42+00:00	4.5	Excellent set of practical problems. Thank you!
The Python Mega Course: Build 10 Real World Applications	2021-04-01 07:52:40+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 07:26:47+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 05:47:51+00:00	5	Great course.
The Python Mega Course: Build 10 Real World Applications	2021-04-01 05:06:31+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 04:42:35+00:00	4	

Shorted by Course Name

From number (0) to Alphabet (Z)

Rating Analysis

Dataset of REVIEWS

Course Name ↕	Timestamp ↕	Rating ↕	Comment ↕
100 Python Exercises I: Evaluate and Improve Your Skills	2021-04-01 15:03:17+00:00	4.5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-04-01 09:00:03+00:00	4.5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-04-01 08:47:42+00:00	4.5	Excellent set of practical problems. Thank you!
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-31 22:15:57+00:00	4.5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-31 15:20:17+00:00	5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-31 05:59:09+00:00	5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-30 11:33:27+00:00	4	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-30 05:30:34+00:00	3	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-29 19:21:12+00:00	1	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-29 15:43:45+00:00	4.5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-28 19:34:32+00:00	5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-28 19:23:46+00:00	5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-26 02:08:12+00:00	5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-24 21:05:22+00:00	5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-23 05:16:10+00:00	3.5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-20 09:55:19+00:00	4.5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-19 09:03:35+00:00	5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-14 07:52:35+00:00	5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-10 09:04:30+00:00	3	

From Alphabet (Z) to number (0)

Rating Analysis

Dataset of REVIEWS

Course Name ↕	Timestamp ↕	Rating ↕	Comment ↕
The Python Mega Course: Build 10 Real World Applications	2021-04-02 06:25:52+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 05:12:34+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 05:11:03+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 03:33:24+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 03:31:49+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 01:10:06+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 00:44:54+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 23:42:02+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 21:58:40+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 20:13:27+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 15:25:18+00:00	5	No
The Python Mega Course: Build 10 Real World Applications	2021-04-01 13:42:13+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 12:16:11+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 09:38:30+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 09:35:44+00:00	3.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 07:52:40+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 07:26:47+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 05:47:51+00:00	5	Great course.
The Python Mega Course: Build 10 Real World Applications	2021-04-01 05:06:31+00:00	5	

Shorted by Time Stamp

From Oldest review to Newest review

Rating Analysis

Dataset of REVIEWS

Course Name ↕↑	Timestamp ↑	Rating ↕↑	Comment ↕↑
The Python Mega Course: Build 10 Real World Applications	2018-01-01 01:01:16+00:00	5	
Python for Beginners with Examples	2018-01-01 01:05:26+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2018-01-01 01:08:11+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2018-01-01 01:09:56+00:00	5	
Python for Beginners with Examples	2018-01-01 01:11:26+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2018-01-01 01:19:24+00:00	5	
Data Processing with Python	2018-01-01 01:22:21+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2018-01-01 01:27:26+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2018-01-01 03:03:38+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2018-01-01 03:21:18+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2018-01-01 05:32:35+00:00	3	
The Python Mega Course: Build 10 Real World Applications	2018-01-01 08:10:19+00:00	5	
100 Python Exercises I: Evaluate and Improve Your Skills	2018-01-01 08:26:56+00:00	5	
Python for Beginners with Examples	2018-01-01 08:34:07+00:00	5	
Python for Beginners with Examples	2018-01-01 08:44:16+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2018-01-01 10:55:35+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2018-01-01 11:41:28+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2018-01-01 12:20:43+00:00	4	
100 Python Exercises I: Evaluate and Improve Your Skills	2018-01-01 13:22:01+00:00	5	

From Newest review to Oldest review

Rating Analysis

Dataset of REVIEWS

Course Name ↕↑	Timestamp ↓	Rating ↕↑	Comment ↕↑
The Python Mega Course: Build 10 Real World Applications	2021-04-02 06:25:52+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 05:12:34+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 05:11:03+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 03:33:24+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 03:31:49+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 01:10:06+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 00:44:54+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 23:42:02+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 21:58:40+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 20:13:27+00:00	5	
The Complete Python Course: Build 10 Professional OOP Apps	2021-04-01 18:56:12+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 15:25:18+00:00	5	No
100 Python Exercises I: Evaluate and Improve Your Skills	2021-04-01 15:03:17+00:00	4.5	
The Complete Python Course: Build 10 Professional OOP Apps	2021-04-01 13:56:49+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 13:42:13+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 12:16:11+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 09:38:30+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 09:35:44+00:00	3.5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-04-01 09:00:03+00:00	4.5	

Shorted by Rating

From Worst rating to Best rating

Rating Analysis

Dataset of REVIEWS

Course Name ↕↑	Timestamp ↕↑	Rating ↑	Comment ↕↑
The Python Mega Course: Build 10 Real World Applications	2021-01-27 23:01:09+00:00	0.5	
Python for Beginners with Examples	2018-03-03 01:39:25+00:00	0.5	
Python for Beginners with Examples	2018-02-22 19:44:01+00:00	0.5	
The Python Mega Course: Build 10 Real World Applications	2018-02-04 17:11:21+00:00	0.5	
The Python Mega Course: Build 10 Real World Applications	2018-01-20 10:15:19+00:00	0.5	
The Python Mega Course: Build 10 Real World Applications	2018-01-19 02:21:04+00:00	0.5	
The Python Mega Course: Build 10 Real World Applications	2018-01-15 12:26:20+00:00	0.5	Really bad so far....
Python for Beginners with Examples	2018-01-10 21:23:34+00:00	0.5	
The Python Mega Course: Build 10 Real World Applications	2018-01-08 06:49:44+00:00	0.5	Very lethargic voice over. The content flow is no...
The Python Mega Course: Build 10 Real World Applications	2018-01-05 19:16:59+00:00	0.5	
The Python Mega Course: Build 10 Real World Applications	2018-01-02 16:19:15+00:00	0.5	He doesn't teach anything you just save the me...
100 Python Exercises I: Evaluate and Improve Your Skills	2021-03-29 19:21:12+00:00	1	
The Python Mega Course: Build 10 Real World Applications	2021-03-29 13:25:50+00:00	1	
The Complete Python Course: Build 10 Professional OOP Apps	2021-03-27 13:30:15+00:00	1	
The Python Mega Course: Build 10 Real World Applications	2021-03-24 19:58:47+00:00	1	
The Python Mega Course: Build 10 Real World Applications	2021-03-21 16:44:06+00:00	1	
Data Processing with Python	2021-02-28 15:36:34+00:00	1	
The Python Mega Course: Build 10 Real World Applications	2021-02-18 12:53:33+00:00	1	
The Python Mega Course: Build 10 Real World Applications	2021-02-17 18:20:38+00:00	1	i found python not found issue even after install

From Best rating to Worst rating

Rating Analysis

Dataset of REVIEWS

Course Name ↕↑	Timestamp ↕↑	Rating ↓	Comment ↕↑
The Python Mega Course: Build 10 Real World Applications	2021-04-02 03:33:24+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 23:42:02+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 21:58:40+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 20:13:27+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 15:25:18+00:00	5	No
The Python Mega Course: Build 10 Real World Applications	2021-04-01 09:38:30+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 05:47:51+00:00	5	Great course.
The Python Mega Course: Build 10 Real World Applications	2021-04-01 05:06:31+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 04:10:03+00:00	5	
Interactive Data Visualization with Python and Boken	2021-04-01 03:52:44+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 03:19:33+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 02:27:49+00:00	5	
The Complete Python Course: Build 10 Professional OOP Apps	2021-04-01 01:32:52+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 01:24:17+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 00:39:47+00:00	5	
The Complete Python Course: Build 10 Professional OOP Apps	2021-03-31 22:53:04+00:00	5	
Interactive Data Visualization with Python and Boken	2021-03-31 20:58:08+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-03-31 20:31:07+00:00	5	
The Complete Python Course: Build 10 Professional OOP Apps	2021-03-31 19:15:25+00:00	5	

Shorted by Comment

From No-comments to Comments

Rating Analysis

Dataset of REVIEWS

Course Name ↕↑	Timestamp ↕↑	Rating ↕↑	Comment ↕
The Python Mega Course: Build 10 Real World Applications	2021-04-02 06:25:52+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 05:12:34+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 05:11:03+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 03:33:24+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 03:31:49+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 01:10:06+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-02 00:44:54+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 23:42:02+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 21:58:40+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 20:13:27+00:00	5	
The Complete Python Course: Build 10 Professional OOP Apps	2021-04-01 18:56:12+00:00	4	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-04-01 15:03:17+00:00	4.5	
The Complete Python Course: Build 10 Professional OOP Apps	2021-04-01 13:56:49+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 13:42:13+00:00	4	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 12:16:11+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 09:38:30+00:00	5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 09:35:44+00:00	3.5	
100 Python Exercises I: Evaluate and Improve Your Skills	2021-04-01 09:00:03+00:00	4.5	
The Python Mega Course: Build 10 Real World Applications	2021-04-01 07:52:40+00:00	4.5	

For Comments to No-comments

Rating Analysis

Dataset of REVIEWS

Course Name ↕↑	Timestamp ↕↑	Rating ↕↑	Comment ↕
The Python Mega Course: Build 10 Real World Applications	2018-06-16 03:15:18+00:00	4.5	코딩을 많이 하지 않아서 아쉬지만, 파이썬으로 할 ...
The Python Mega Course: Build 10 Real World Applications	2019-03-12 08:48:28+00:00	5	자막이 깔끔하고 강사님의 설명이 이해하기 좋습니...
The Python Mega Course: Build 10 Real World Applications	2020-11-06 14:12:42+00:00	5	非常棒，很适合我
The Python Mega Course: Build 10 Real World Applications	2020-05-24 02:07:06+00:00	5	非常棒 GOOD!!
The Python Mega Course: Build 10 Real World Applications	2018-11-06 01:02:05+00:00	5	非常不错
Python for Beginners with Examples	2018-10-04 08:15:10+00:00	4	運行，不過教的有點慢，範例練習不夠多
100 Python Exercises I: Evaluate and Improve Your Skills	2019-09-30 02:12:07+00:00	5	適合
The Python Mega Course: Build 10 Real World Applications	2018-11-01 16:31:52+00:00	5	適合
Python for Beginners with Examples	2018-05-21 14:24:23+00:00	4.5	適合
The Python Mega Course: Build 10 Real World Applications	2018-12-23 02:52:32+00:00	5	適合
Python for Beginners with Examples	2018-10-18 00:52:25+00:00	3	課程內容設計還有待提高
The Python Mega Course: Build 10 Real World Applications	2020-01-06 06:12:07+00:00	4.5	清晰清晰
The Python Mega Course: Build 10 Real World Applications	2020-06-06 14:41:36+00:00	5	棒極
100 Python Exercises II: Evaluate and Improve Your Skills	2019-09-08 02:25:00+00:00	5	自分のPython知識の試しとして最適でした。...
The Python Mega Course: Build 10 Real World Applications	2019-06-23 14:58:50+00:00	4	很适合
The Python Mega Course: Build 10 Real World Applications	2018-01-09 23:04:13+00:00	5	目前还可以 讲的很详细
The Python Mega Course: Build 10 Real World Applications	2018-06-28 12:35:07+00:00	5	我認為是個適合新手學習的課程，許多地方偶爾也...
Python for Beginners with Examples	2018-03-28 11:48:27+00:00	3	我个人英语不太好，不太听得懂
100 Python Exercises I: Evaluate and Improve Your Skills	2018-02-22 06:39:07+00:00	3	如能有多些應用案例當可提高學習成效

Filter Dataset

Contains

a

☒ AND ☐ OR

Contains

Filter...

Contains

Contains

Not contains


Equals

Not equal

Starts with

Ends with

Filter Rating

Equals 

Equals

Not equal

Less than

Less than or equals

Greater than

Greater than or equals

In range