

Project Title: EDA for Animal Center Intakes and Outtakes

Solve the following task using Python for Data Science.

NOTE: You may use numpy, matplotlib, pandas and other Data Science Libraries of python to solve the following tasks.

Project Task-01: Print the shape of the dataset

Project Task-02: Which column has null values?

Project Task-03: Remove the duplicate rows from intake dataset.

Project Task-04: Rename to column names as follows:-

- 1) 'Old Column Name' = 'New Column Name'
- 2) 'Animal ID' = 'id',
- 3) 'DateTime' = 'date_time',
- 4) 'MonthYear' = 'month_year',
- 5) 'Found Location' = 'found_location',
- 6) 'Intake Type' = 'intake_type',
- 7) 'Intake Condition' = 'intake_condition',
- 8) 'Animal Type' = 'animal_type',
- 9) 'Sex upon Intake' = 'sex_upon_intake',
- 10) 'Age upon Intake' = 'age_upon_intake',
- 11) 'Breed' = 'breed'

Project Task-05: Remove Monthyear column because it is similar to Datetime column.

Project Task-06: Extracting month and year from Datetime column

Project Task-07: Which month,year has most animal intakes ?

Draw a pie chart representing year wise animal intake from year 2014 to 2021.

Project Task-08: Create a bar chart to represent month wise animal intake.

Which month has heighest animal intake?

Project Task-09: Create a bar chart to represent animal intake methods wise counting.

What are the animal intake methods ? Print their names?

Project Task-10: What are the conditions of animals which are taken into the shelter?

Project Task-11: How many types of animals are taken into shelter and what is their total count?

Project Task-12: what are the top 10 breeds in the animal shelter?

Draw a breed wise bar plot.

Project Task-13: What are top 20 common names of animals in animal shelter?

Draw a bar char representing name wise count of the animals.

Project Task-14: Draw a bar char representing the "Outcome Type" wise count of animals using the dataset of Animal_Center_Outcomes.csv.