

# IDSN 599: Machine Intelligence

Final Project Part 1

Due: 11/8/2021 @ 11:59PM

## Goal

For this part of the final project, you are to find your dataset, make a preliminary decision/hypothesis as to what you are going to be doing, download the dataset and play around with the `corr()` function to see where the correlations might be.

## Setup

- You get to create whatever Python scripts you need. You can probably do it in one file for this part of the final project

```
'''
Name
IDSN 599, Spring 2021
USC email
Final Project Part 1
'''
```

## Requirements

A document that contains the following sections:

- Domain:** What is the type/nature of the problem that you are thinking to solve
- Dataset:** Where did you get your dataset? How big is it – how many rows and attributes? Why/how does it contain the data you need to solve the problem you are thinking of solving?
- Problem Type:** Are you creating a predictor, a classifier, or something else? Why do you think this is the way to go to solve the problem?
- Attributes:** What are the attributes of the dataset? Which are numeric and which are text? Do you have any missing values for attributes?

You are to write some Python code to identify your dataset attributes, their data type, and any missing values. You can repurpose the `load_housing_data()` function to load your dataset. You can also use the `info()` function to print out the attributes and the number of values each attribute has.

## Deliverables

A compressed folder containing your document and Python code you used to explore your dataset

## Grading

Item	Points
Domain	5
Dataset	5
Problem Type	5
Attributes	5
Python Code	10
Total*	30