Report plan:

1. Introduction
    a. What is machine learning
    b. What kind of problems you can solve using ML approach
    c. Supervised learning vs Unsupervised learning
2. Linear Regression with one variable
    a. Creating a model
    b. Cost-function
3. Fitting Model
    a. Gradient descent
4. Linear Algebra Review
    a. Matrices and vectors

Questions:

1. What's the difference between supervised and unsupervised learning?
2. What kind of problems you can solve using supervised learning?
3. What is cost-function and why even bother using it?
4. What's gradient descent and how we use it in our model?

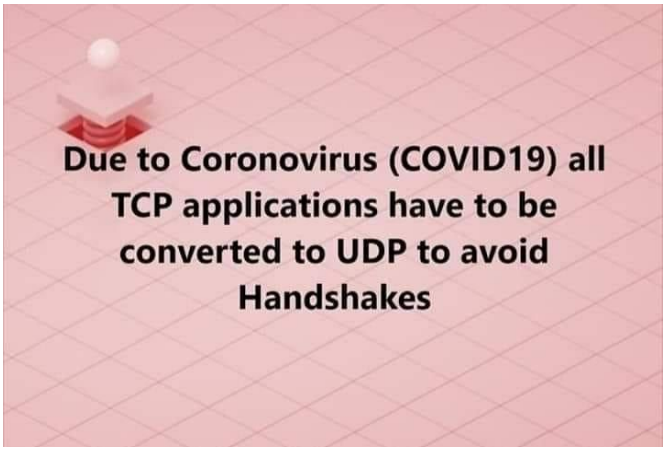
Glossary:

Machine Learning - "A computer program is said to learn from experience E with respect to some class of tasks T and performance measure P, if its performance at tasks in T, as measured by P, improves with experience E." (Tom Mitchel) - *We can easily solve this problem using machine learning approach.*

Supervised Learning - learning with given "right answers" for input dataset - *Supervised learning problems are categorized into "regression" and "classification" problems.*

Cost function - a mathematical function that shows the accuracy of our model compared with given "right answers" - *In perfect prediction model cost function is zero.*

P.S. I've attached a few memes on COVID-19 as you asked in criteria

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Experts recommend keeping your daily rituals even while working from home.