**Problem statement**:

Accidental death caused by fatal opioid overdose is a rising sharply in the United States.

**Project description**:

This model aims to analyze the dataset (downloaded from Kaggle) to explore the fatality rates related to opioid overdose and inspect the physicians’ opioid prescribing trends, their credentials and specialties. The basic premise on building the model is to analyze the current addictive drug prescription rate and the physicians’ opioid prescription behavior, which will then be applied to future behavior. The ultimate goal is to explore trends that will identify physicians and patients who are at a risk of overdosing or providing fatal dosage in an attempt to stop these impending fatalities.

**Data source:**

This dataset summaries prescription records for common opioid and non-opioid drugs written by 25,000 licensed medical prescribers in 2014 in the United States for citizens covered under Medicare Part D opioid formulary list as well as some metadata about the doctors who prescribed them. The dataset also includes the fatality rates related to these prescriptions across the various states in the USA

**Data Link**

The data was downloaded from the following site (Kaggle):

<https://www.kaggle.com/apryor6/us-opiate-prescriptions/data>

**Additional dataset used for validating stead increase in death caused due to overdose of prescription opioids**

<https://data.world/datasets/opioids>