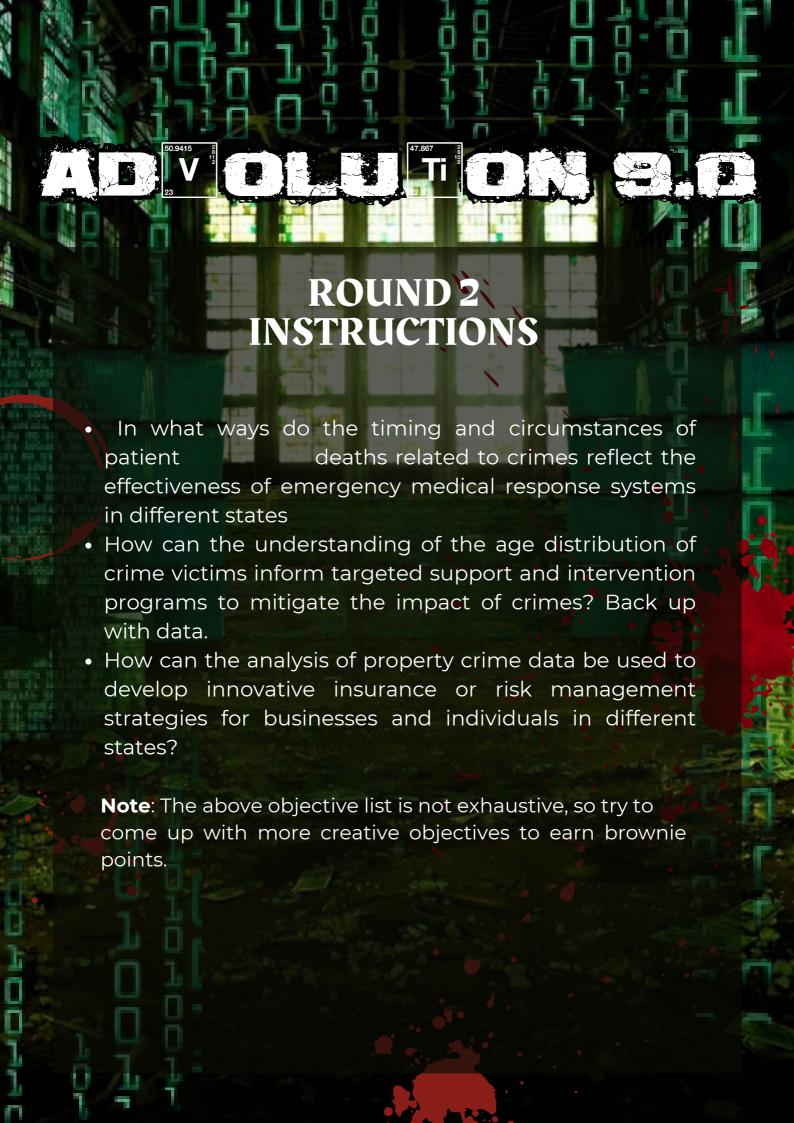# ADVOLUTION 9.0

ROUND 2
INSTRUCTIONS

Objectives

- In this round, you get to experience how it feels to be a Crime Analyst
- You are given a database with all details of various types of crimes and crime-related activities.

Questions List

- How efficient is the healthcare system for post-criminal care in the country and has it increased or decreased over time? What area should they focus on to help in this area?
- Can we identify any patterns or hotspots for specific crimes within states based on geographical or demographic factors?
- Are there states where the number of trials for crimes by confession is significantly different from the national average, and what factors might contribute to this?
- What are the most common types of crimes committed in each state, and how have they evolved over time?

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- In what ways do the timing and circumstances of patient   deaths related to crimes reflect the effectiveness of emergency medical response systems in different states

- How can the understanding of the age distribution of crime victims inform targeted support and intervention programs to mitigate the impact of crimes? Back up with data.

- How can the analysis of property crime data be used to develop innovative insurance or risk management strategies for businesses and individuals in different states?

Note: The above objective list is not exhaustive, so try to come up with more creative objectives to earn brownie points.

ROUND 2
INSTRUCTIONS

Deliverables

- Details of the team (Name of your Team to be put in the introduction slide).
- Strategies used to analyze the dataset.
- Strategies to reduce crime:

  a. This would include all your supporting data (Excel sheet used to analyze, python code, and results used for analysis and team-building strategies).
  b. All the assumptions, if used, should be mentioned.
  c. Data pre-processing (Cleaning the data, scaling the data, etc. if applicable) will earn you an extra advantage during the assessment of the submission.

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ROUND 2
INSTRUCTIONS

Visualization Task

- Create visualization from the provided dataset on any available visualization tools (Tableau, Excel, PowerBI, etc.).
- Explore the data by creating a visualization to draw out unique insights.

Presentation Task
(Format -.pptx , pdf)

- The solution should be in the form of a presentation.
- The solution should contain screenshots of visualizations
- Participants should not use the name or logo of their institute in the PPT deck.
- No entries will be accepted after the deadline. Participants will not be allowed to change their entries once submitted.
- The date and time of the presentations will be shared with the teams over email.

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ROUND 2
INSTRUCTIONS

Rules and Guidelines

- The given data should be used extensively. You are not allowed to use any external data.
- All your decisions, answers, and selections should be individually explained and backed up by data analytics.
- Plagiarized content, if found, will be immediately disqualified.