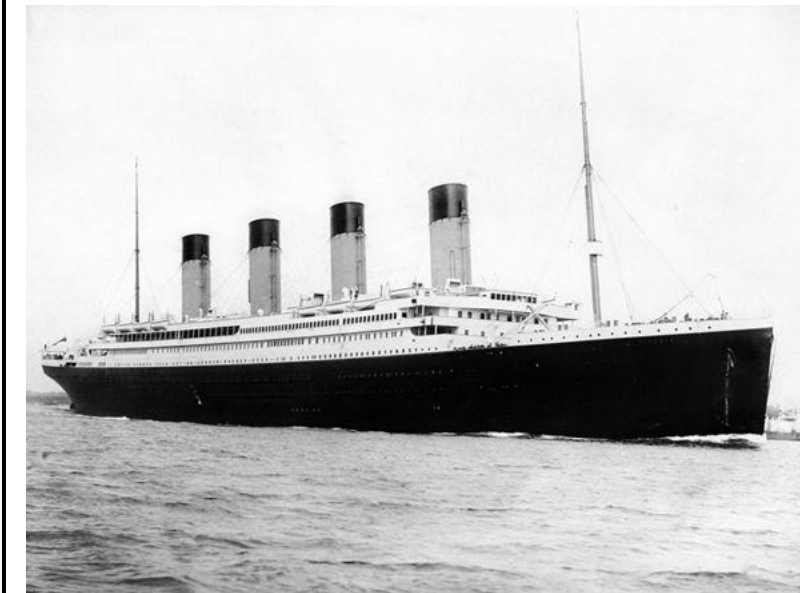


# Titanic Dataset: An Introduction



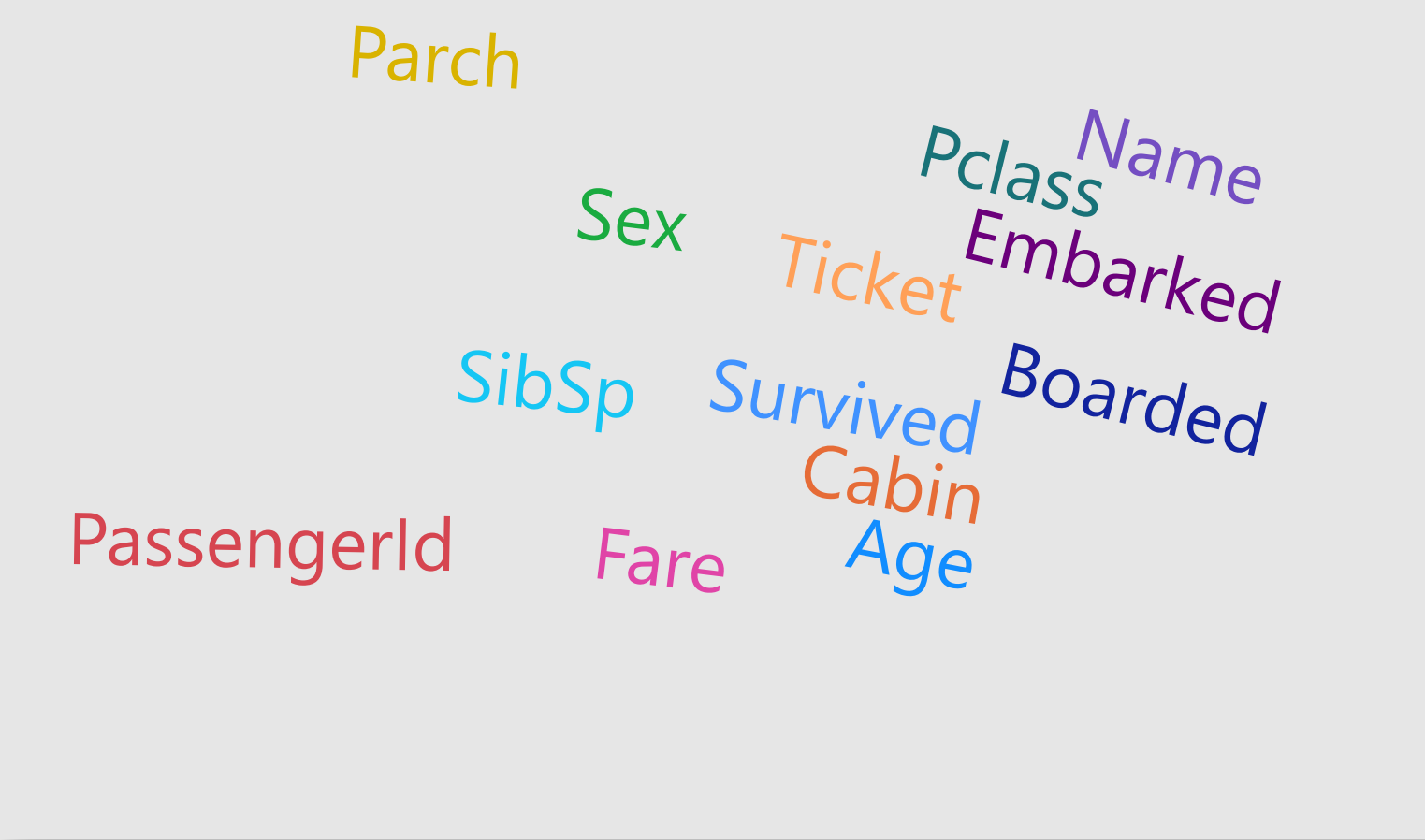
## Introduction

The RMS Titanic, a majestic ocean liner, embarked on its maiden voyage in 1912, destined to cross the Atlantic with over 2,200 souls on board. With unwavering confidence, the crew set sail, unaware of the impending tragedy that lay in wait. In the icy waters of the North Atlantic, disaster struck as the ship collided with an iceberg. Chaos ensued as lifeboats were scarce and panic filled the air. The scale of the disaster was unimaginable, with lives lost and dreams shattered. As survivors clung to life in frigid waters, the world watched in disbelief. The sinking of the Titanic serves as a haunting reminder of humanity's fallibility, a cautionary tale etched into history by an unforgiving sea.





## Headers



## Embarked Distribution



## About Dataset

Ah, brace yourself for an exhilarating journey through the heart-wrenching chronicles of the Titanic-Machine-Learning-from-Disaster dataset! Resting gracefully at the following coordinates: [185.199.110.133](#), this extraordinary collection of data invites us to delve into the haunting tale of the ill-fated Titanic.

Every row, a poignant fragment of history, introduces a passenger who embarked upon that fateful voyage. Each column conceals secrets yearning to be discovered. The **PassengerId** column, like a handwritten name tag, labels each traveler uniquely. Yet, it is the **Survived** column that carries the weight of life and death, preserving the triumphs and tragedies of these brave souls.

As we venture forth, we encounter columns such as **Pclass**, a testament to the vessel's class structure, and **Name**, an anthology of identities awaiting exploration. The sexes of the passengers unfurl before us in the aptly named **Sex** column, while **ParCh** and **SibSp** reveal the intertwining threads of family bonds.

**Tickets** and **fares** become our compass, guiding us through the intricacies of travel arrangements and costs, while the enigmatic **Cabin** column offers glimpses into temporary abodes. The final port of embarkation stands as a testament to the passengers' diverse origins.

In this dataset, history reveals itself, calling upon our analytical prowess to honor those who sailed aboard the Titanic and learn from their poignant tale.

# Null Hypothesis: Humans enact inhuman in crisis

Within the depths of the Titanic-Machine-Learning-from-Disaster dataset lies a trove of enigmatic insights, awaiting discovery like cryptic symbols etched upon a mysterious parchment. As I navigate the labyrinthine corridors of data, three remarkable revelations emerge, each cloaked in intrigue and bearing the potential to reshape our understanding of that fateful voyage.

The first revelation, akin to a hidden code embedded within the columns, unveils that passenger class was a paramount factor in survival. A clandestine alliance between the Pclass variable (see Figure 1-1) and survival rates emerges, casting shadows of inequality upon the vessel's stratified society. As if navigating a treacherous maze, those in the privileged corridors of first-class held a significantly higher chance of eluding the icy clutches of fate, while the destitute souls confined to the abyss of third-class faced a cruel destiny.

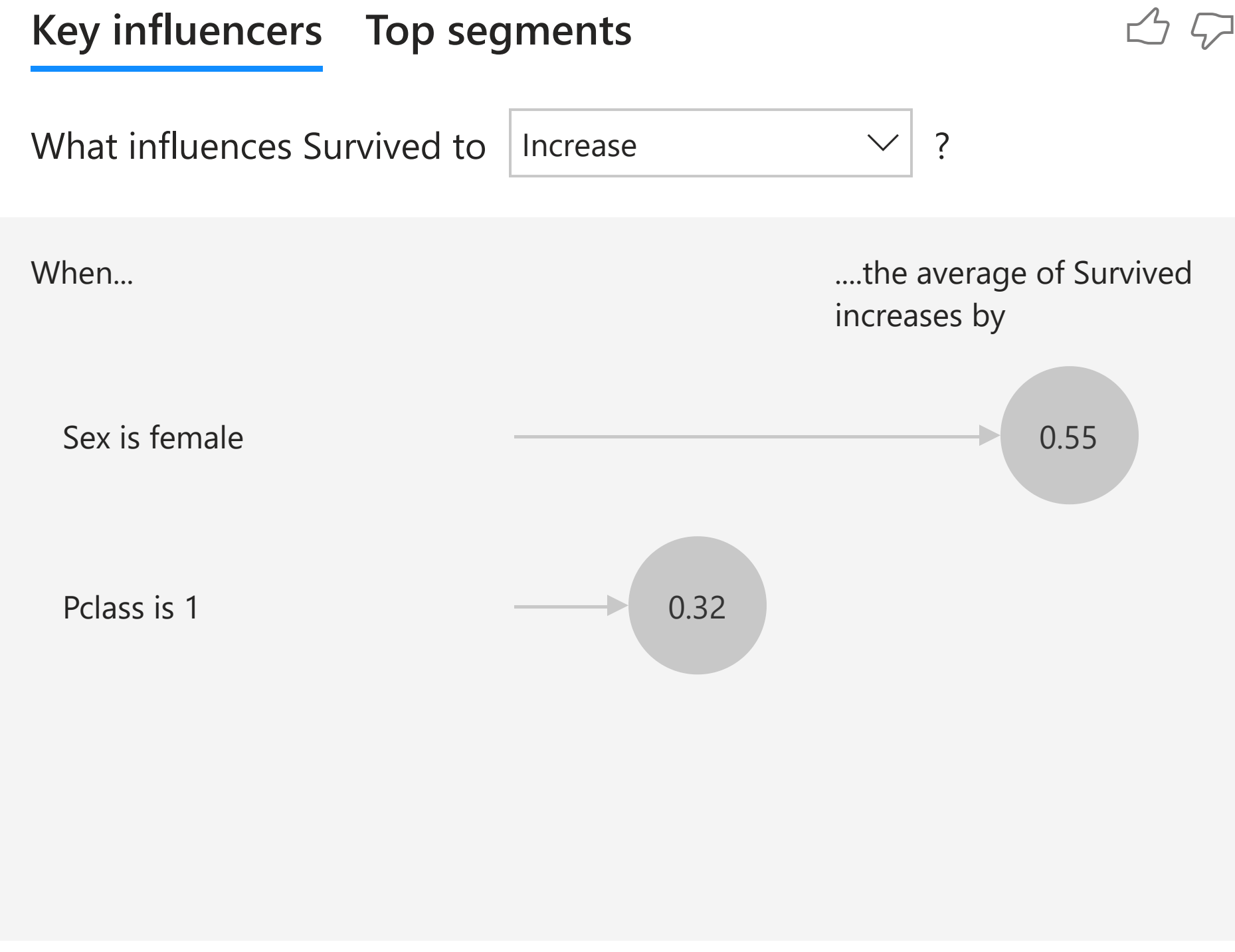
A second revelation (see Figure 1-2), shrouded in the mist of familial bonds, unravels the sacred connection between age and survival. Like ancient symbols intertwined, a peculiar pattern emerges: the young and the elderly were more likely to escape the tragedy's grip. With the innocence of youth and the wisdom of age, these fortunate souls navigated the chaos with greater ease, leaving behind a haunting question—did their tender vulnerability or their seasoned resilience pave their path to survival?

As I unveil the final revelation, the dataset trembles, echoing the resounding power of gender. A captivating dance unfolds between the sexes, revealing a striking truth—the fairer sex was granted a higher chance of salvation. This unforeseen twist challenges societal conventions of the time and hints at untold tales of bravery and sacrifice.

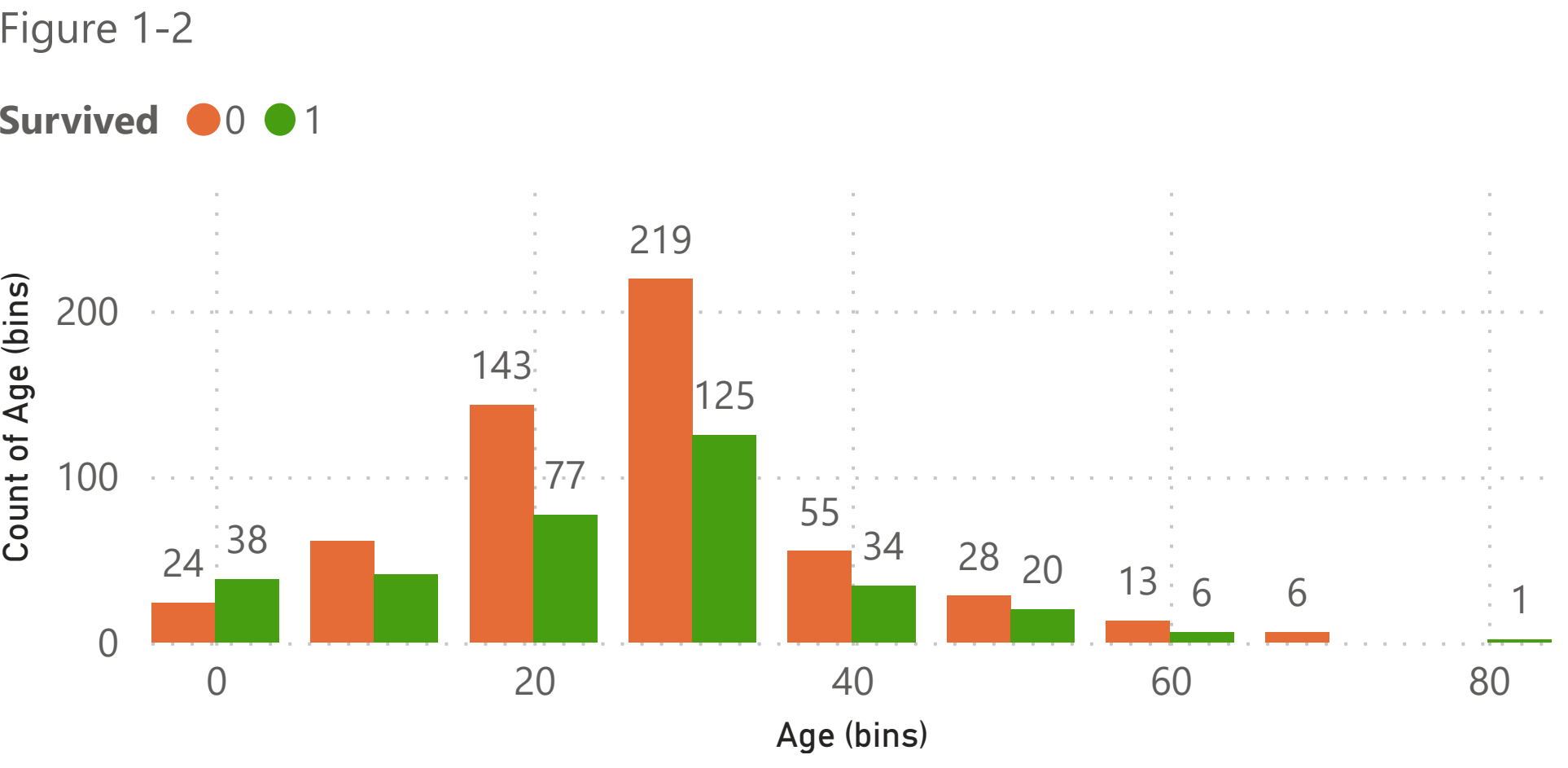
In the darkness of this dataset, these three revelations glimmer like fragments of hidden knowledge, inviting us to unlock their secrets. The journey ahead, fraught with peril and uncertainty, beckons us to tread carefully, to decipher the intertwined mysteries of class, age, and gender. With each insight, the fog of history dissipates, illuminating a more nuanced understanding of the Titanic's ill-fated voyage, and forever altering the narratives etched upon its fabled legacy.

Conclusion: Null Hypothesis is fairly rejected.

Figure 1-1



Age Distribution via Survival



# Index

- 1. Introduction
- 2. Get Started
  - 2.1. Business Intelligence and Power BI
  - 2.2. Power BI products
  - 2.3. The Business Intelligence Employee Retention Dataset
  - 2.4. Install Power BI Desktop
  - 2.5. Launch Power BI Desktop
- 3. Get Data**
- 4. Model data**
  - 4.1. Fixing Headers**
  - 4.2. Creating relationships
  - 4.3. Formatting Data**
  - 4.4. Creating Calculated Columns**
  - 4.5. Creating Measures**
- 5. Visualizations and Reports
  - 5.2. Column and Bar Charts**
  - 5.3. Line and Area Chart
  - 5.4. Combo Charts
  - 5.5. Treemap, Gauge, Pie and Donut charts
  - 5.6. Maps**
  - 5.7. Cards and tables
  - 5.8. Shapes and Images**
  - 5.9. Custom Visuals (Wordcloud)**
  - 5.10 Key Influencers**
- 6. Sales Dashboard
- 7. Bookmarks
- 8. Share Your Work
  - 8.1. Publishing in Power BI service**
  - 8.2. Share and Publish to Web
- 9. Real world Projects