

Student Dropout Analysis

Tableau Dashboard Interpretations and Insights

Submitted to: Gigaversity
Data Analytics Internship Challenge

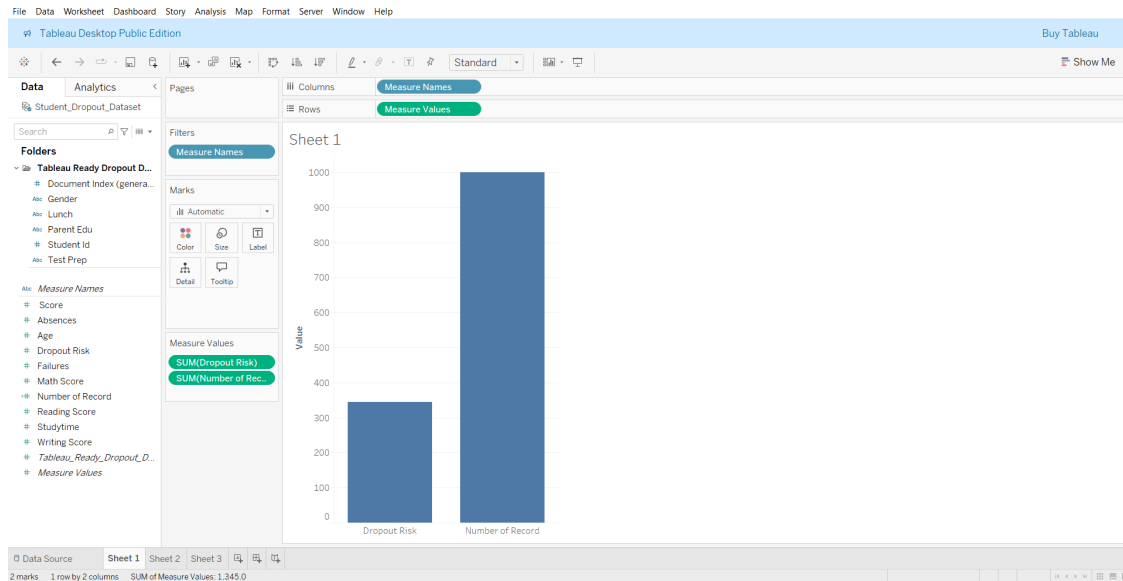
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<https://github.com/vivek0J1129>

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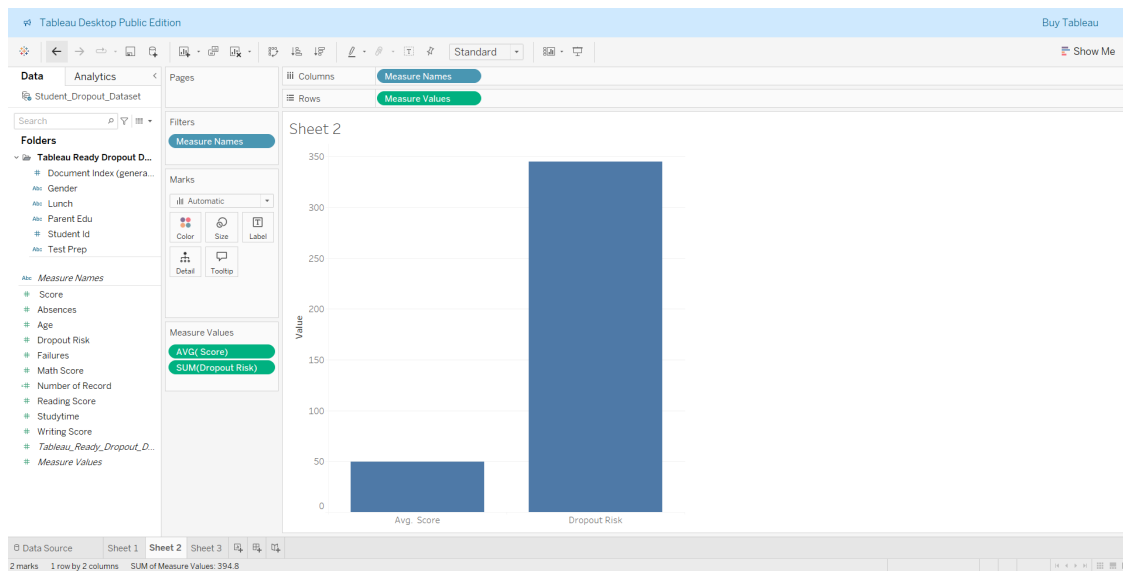
This document presents a comprehensive Tableau analysis of student dropout risks using structured data insights.

Dropout Risk vs Number of Records



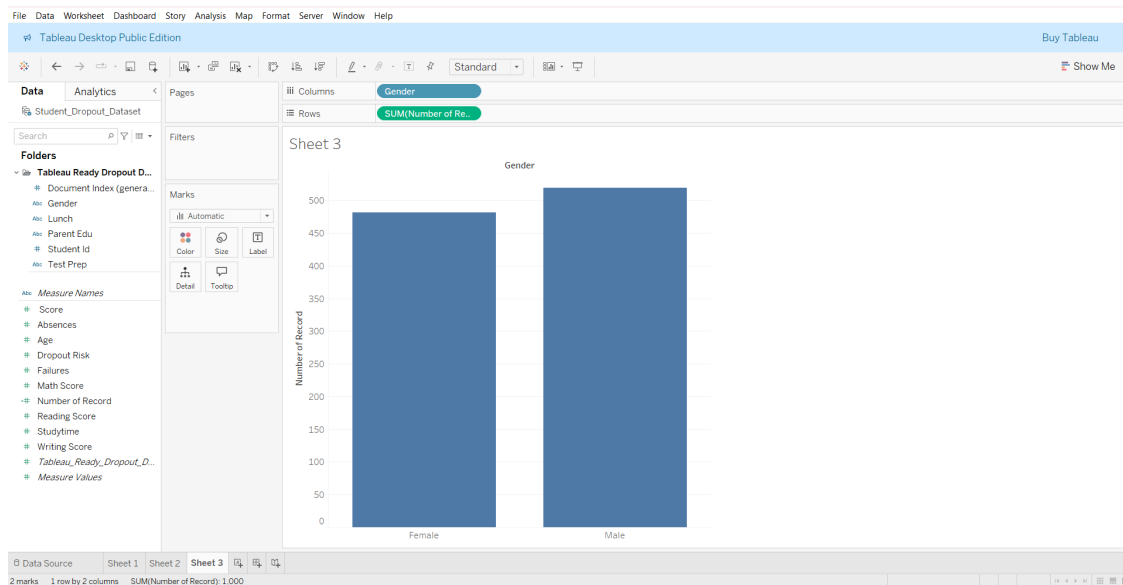
This chart shows how dropout risk compares with the number of records.

Average Score vs Dropout Risk



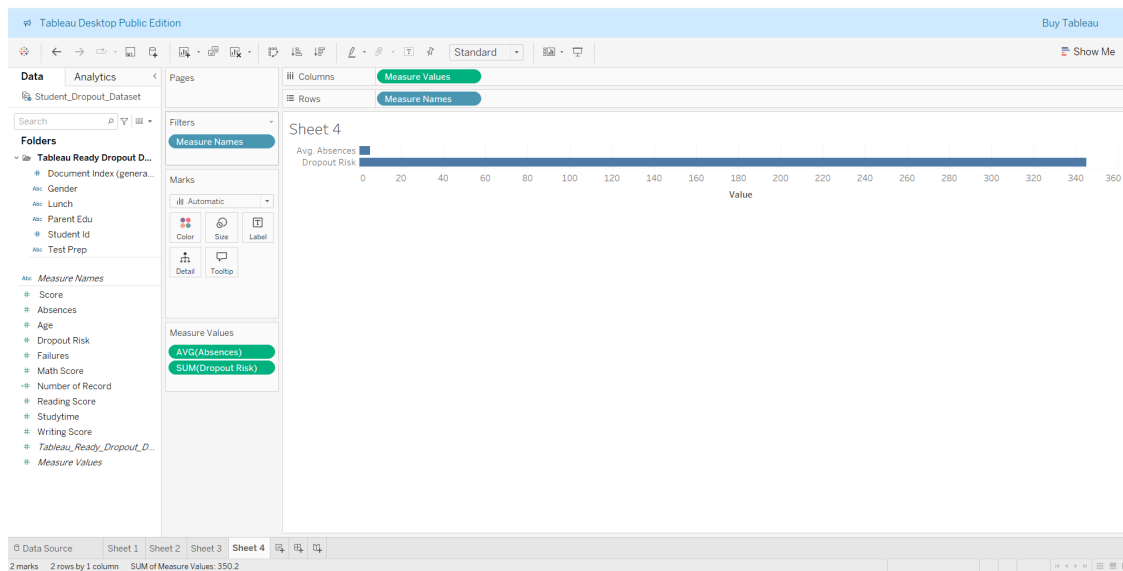
This visualization compares students' average scores against their dropout risk.

Gender Distribution



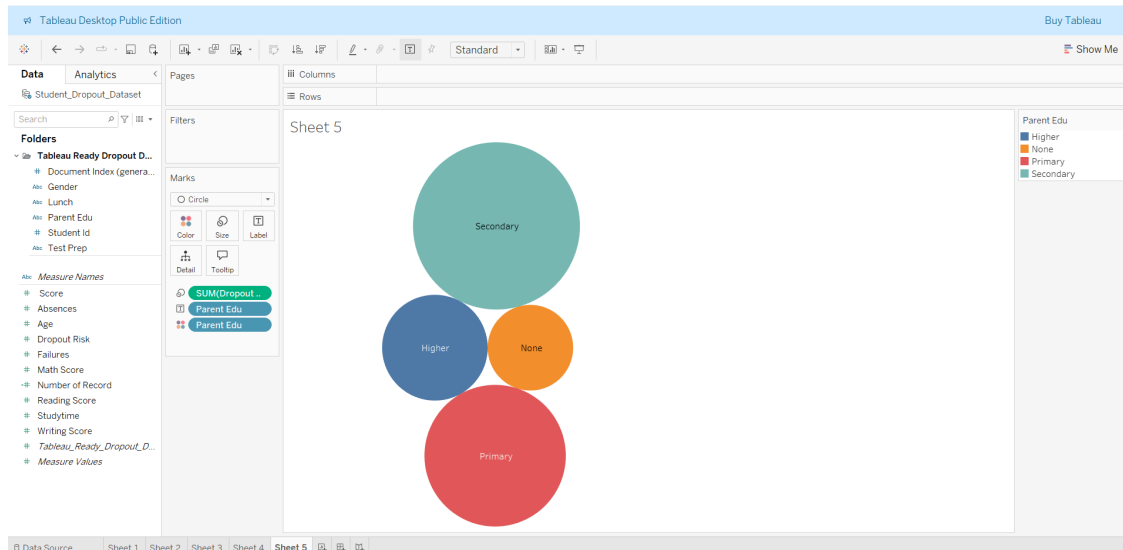
This chart presents the number of male and female students in the dataset.

Absences vs Dropout Risk



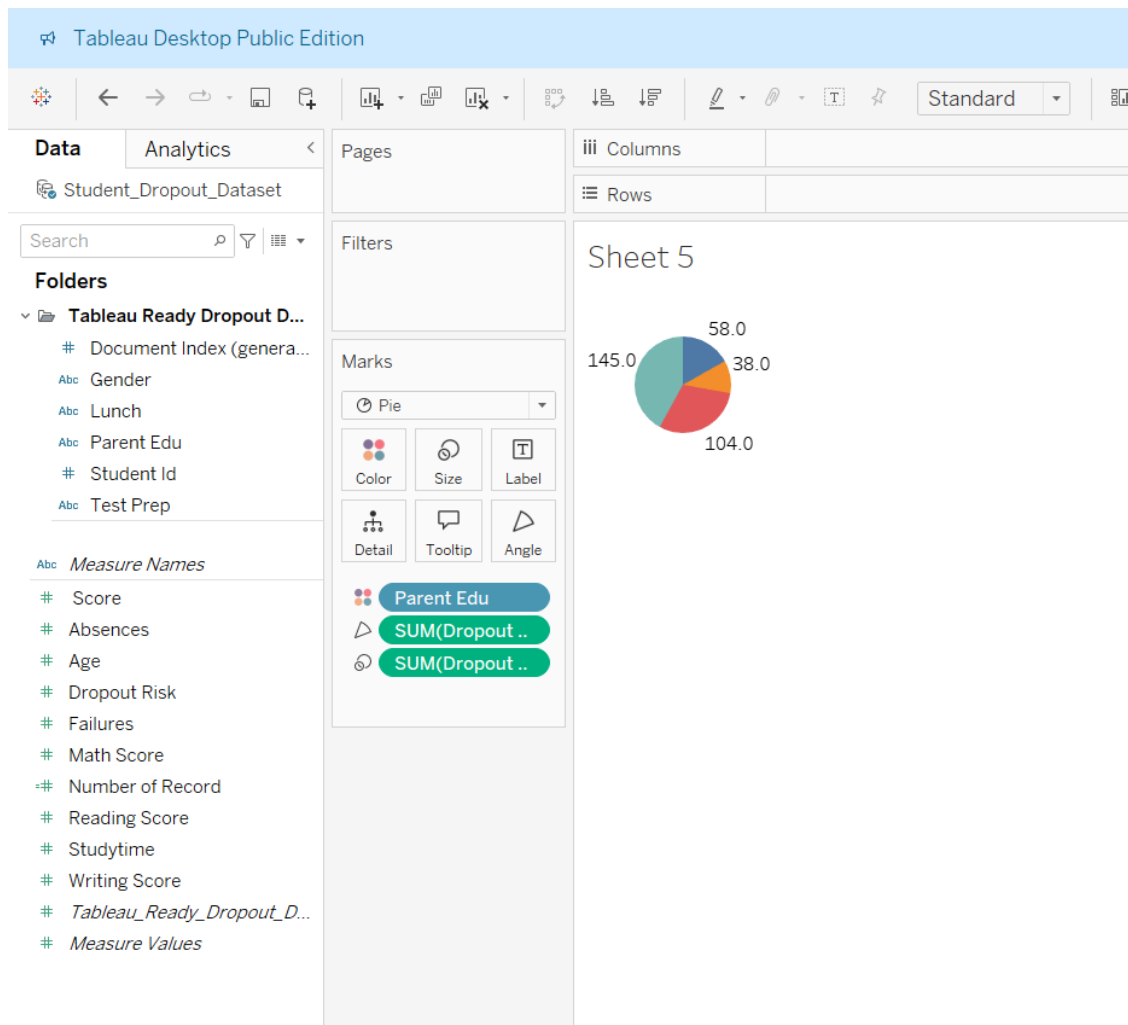
This chart shows how the number of absences relates to dropout risk.

Parent Education Level – Bubble Chart



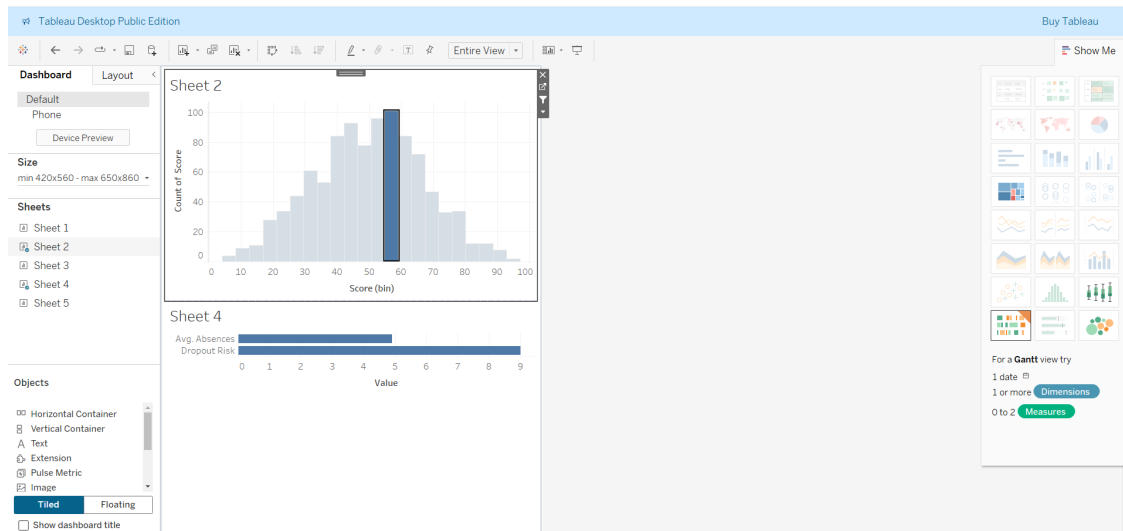
Bubble chart showing dropout risk aggregated by parents' education level.

Parent Education – Pie Chart



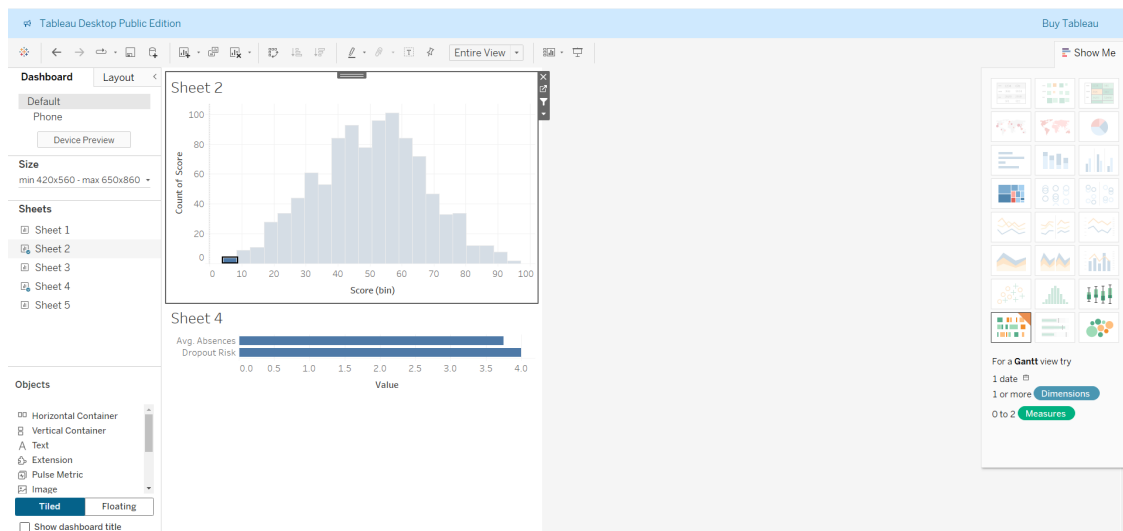
Pie chart displaying the dropout risk distribution across parent education categories.

Dashboard Layout – Histograms and Bars (Highest)



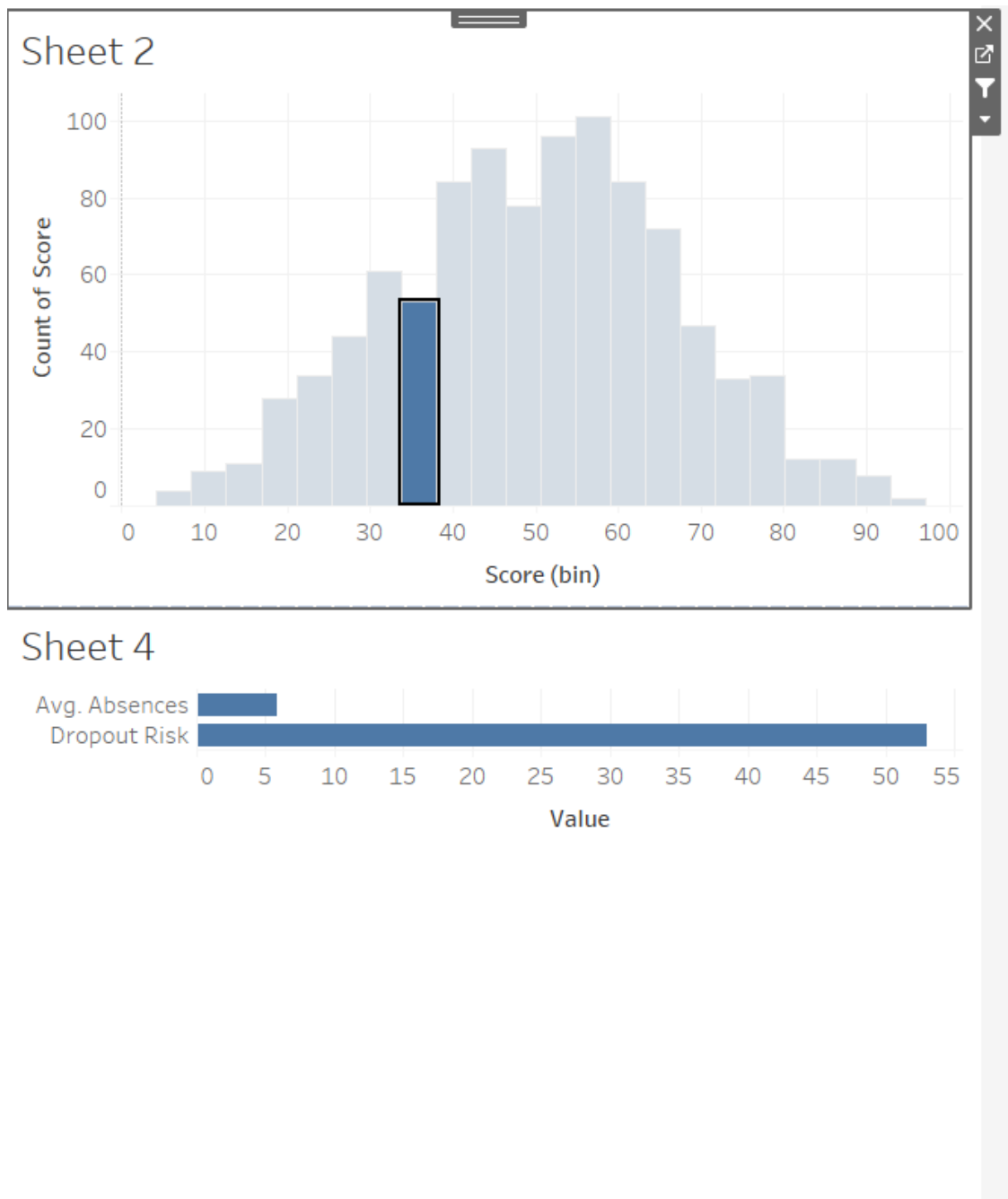
Combined histogram of scores with dropout risk and average absences bar chart.

Dashboard Layout – Histograms and Bars (Least)



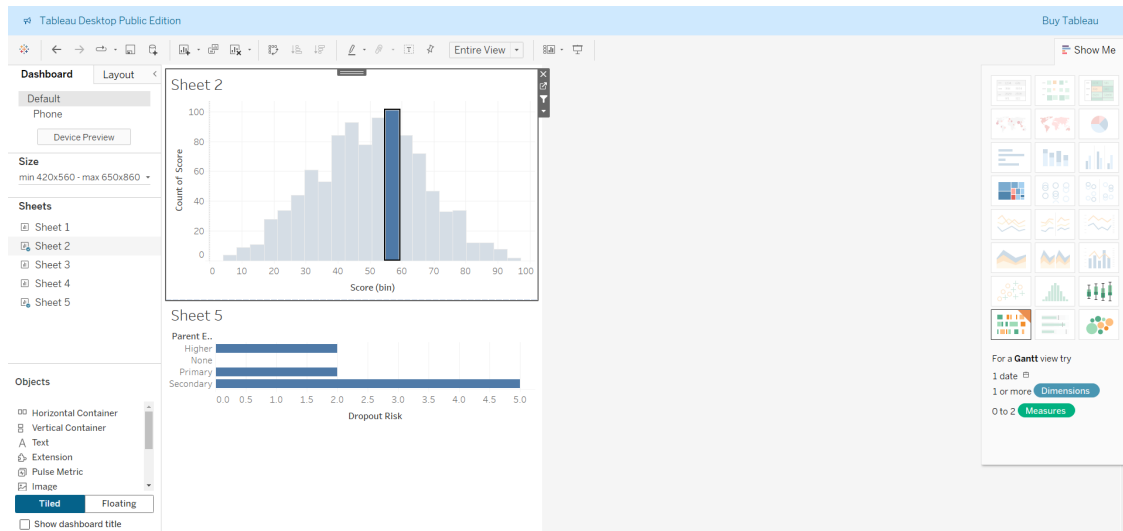
Combined histogram of scores with dropout risk and average absences bar chart.

Dashboard Layout – Histograms and Bars (Average)



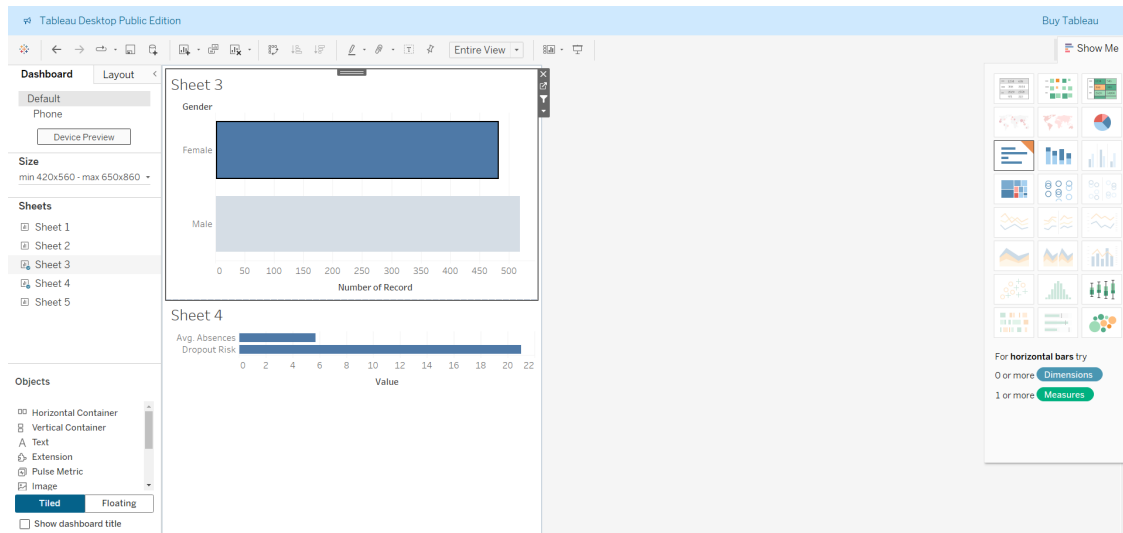
Combined histogram of scores with dropout risk and average absences bar chart.

Dashboard – Impact of Educated Parents on Student Performance



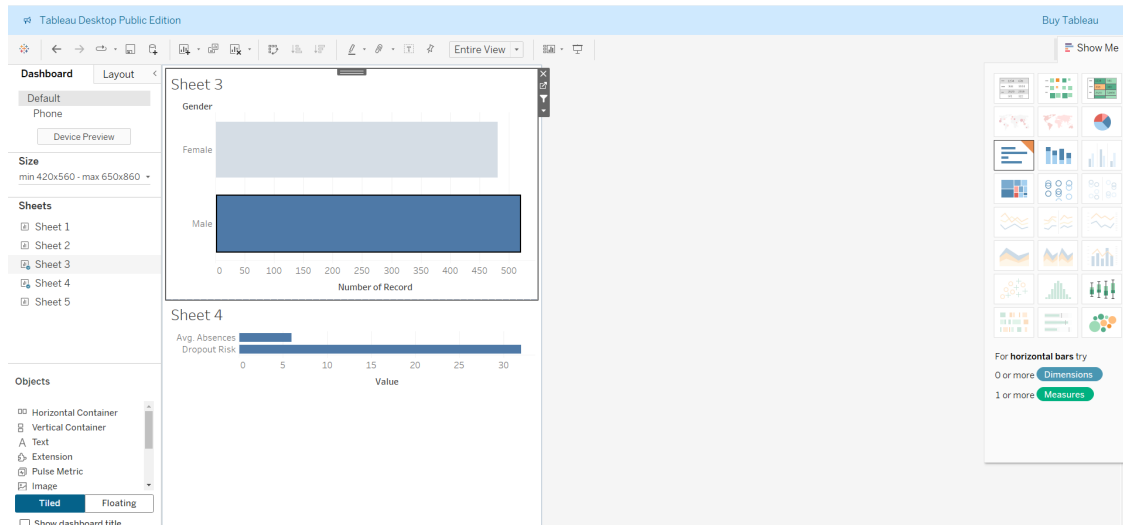
Horizontal bar chart sorted by dropout risk across parent education levels.

Dashboard Layout – Gender Distribution and Risk Indicators



Bar chart displaying the gender-wise distribution of records, and a horizontal bar chart showing average absences and dropout risk among students.

Dashboard Layout – Gender Distribution and Risk Indicators



Bar chart displaying the gender-wise distribution of records, and a horizontal bar chart showing average absences and dropout risk among students.