Project proposal

Students Numbers Analysis at schools in Saudi Arabia

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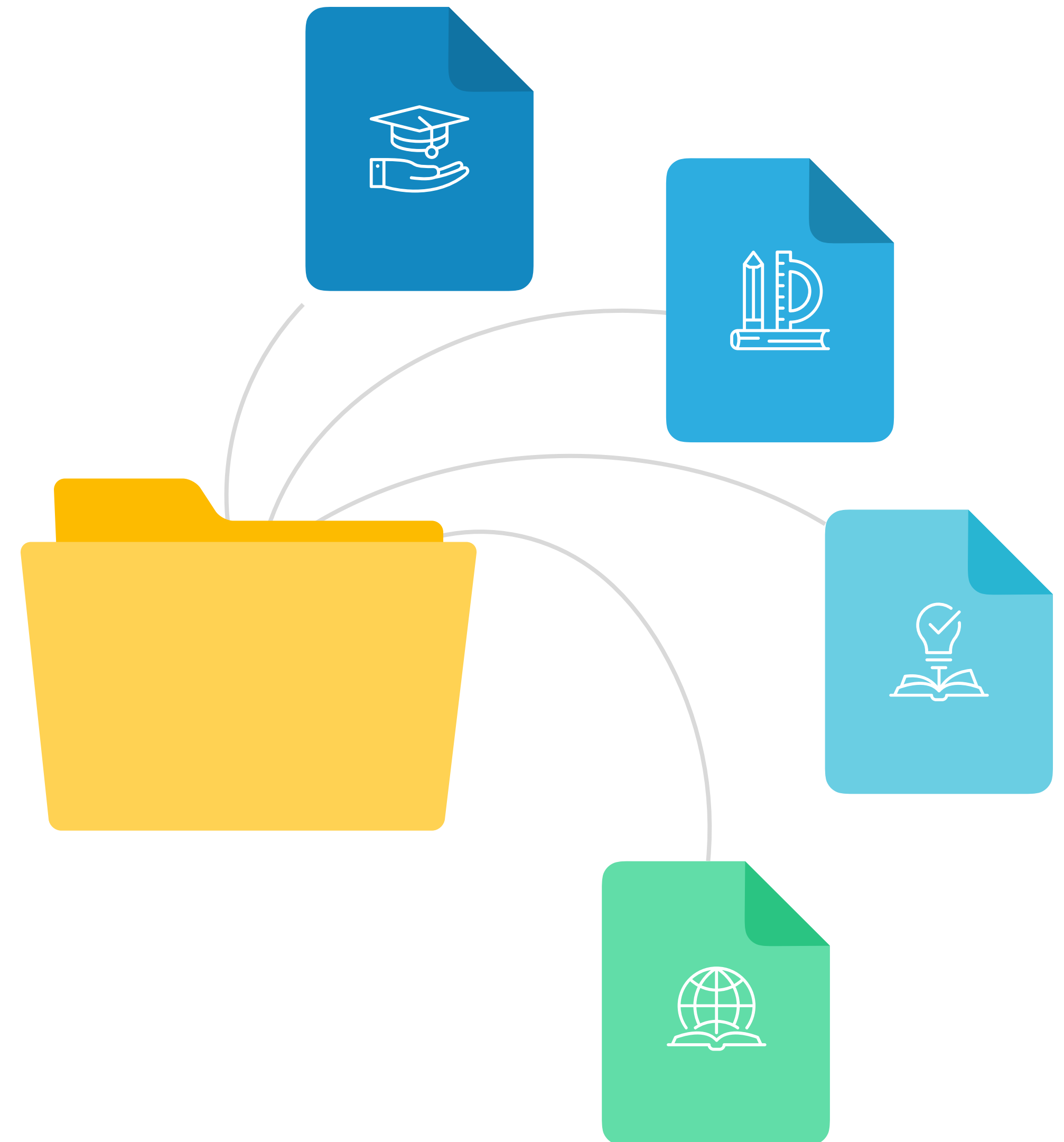
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Students at schools

- ◆ **introduction**

- ◆ **Questions Problem & Objectives**

- ◆ **Data Descriptions**

- ◆ **Material & tools**

- ◆ **MVP**

INTRODUCTION

Education constitutes a significant and critical factor in human resources development, increasing people knowledge and competencies, and ensuring nation economic prosperity. The main objective of education institute and one of its biggest challenges is to provide quality education to its students.

This project is aimed for analyzing student's data, elementary through high school, and to predict the schools and students' needs according to the data provided.
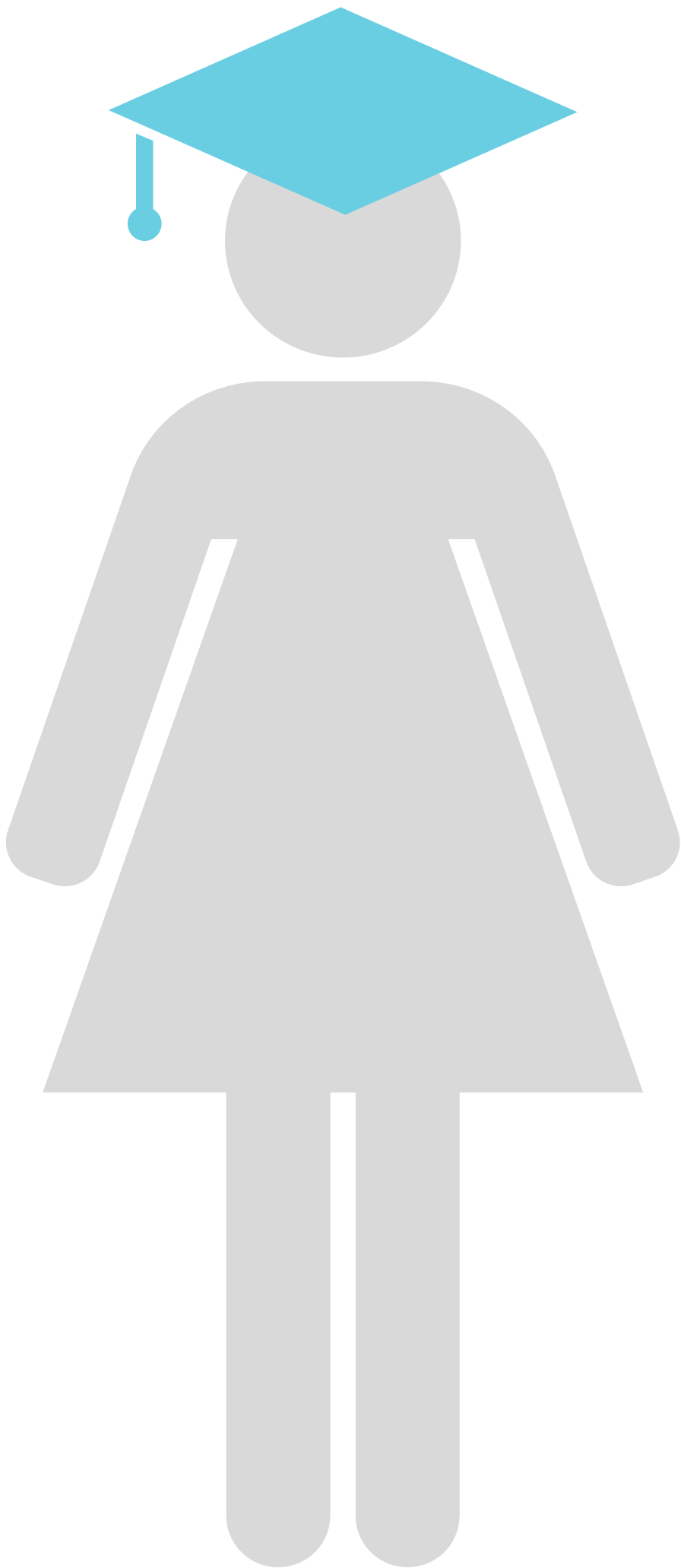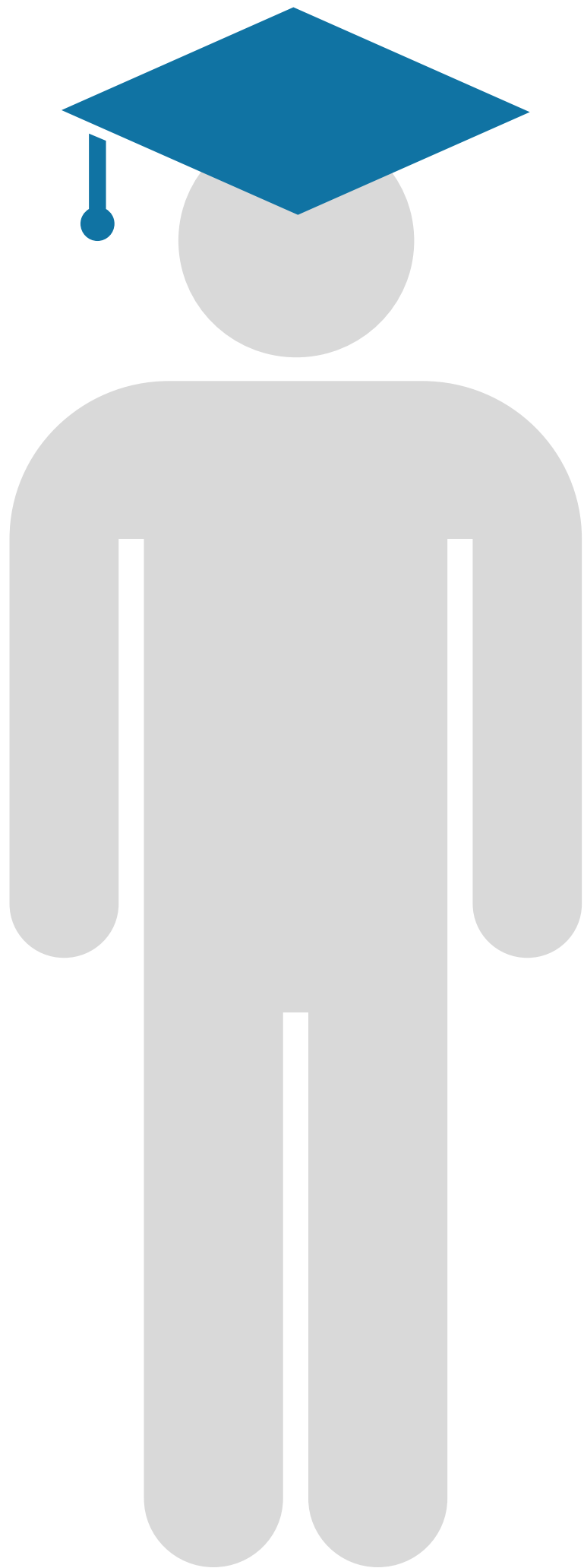
Question Problem & objectives

1- Predict the graduate students per year.

2-Number of foreign students comparing with Saudis.

3-The growth rate of the female.

4-The growth rate of the male.

5-Number of student in the cities of Saudi Arabia.

Data Descriptions

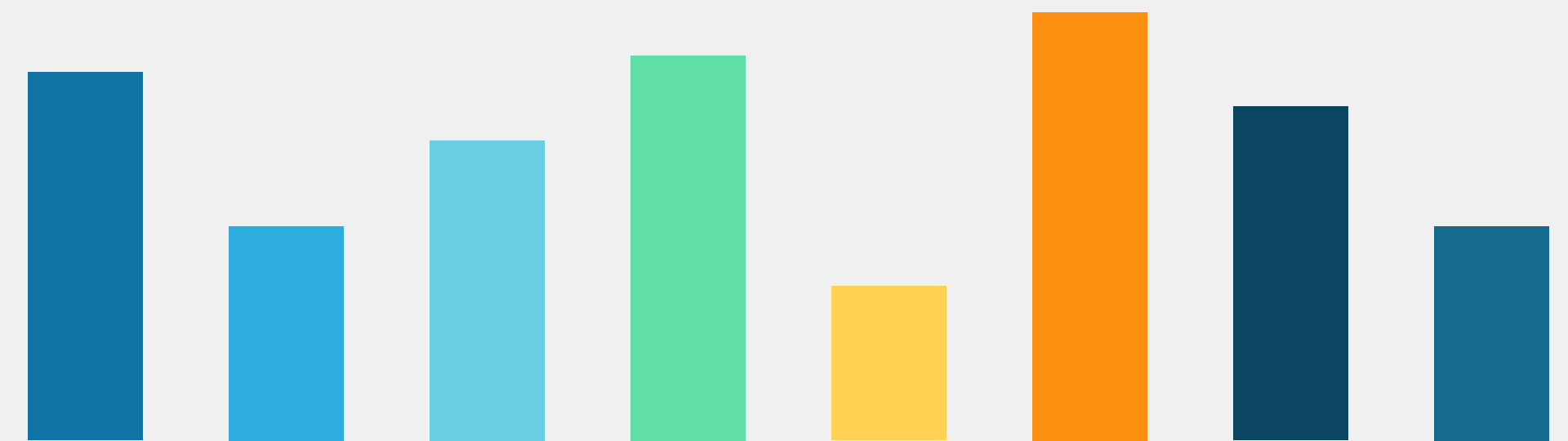I'm planning to use excel file contains:
11532 rows and 15 column.

The column	Description
Code	Unique Number
First Name	First Name
Father Name	Father Name
Gender	Regard (male , Female)
Nationality	Jordan, Algerian, gulf, Saudi, Syrian, Lebanese , Egyptian.
Birth of date	Birth of date
level	High school, Preparatory, Primary
City	which city in Saudi
Id	Unique number
Joining day	First day at school
Joining month	First month at school
Joining year	First year at school
Current Class	Which class

Algorithms

- I will use streamlit to deploy and visualize the final result .

- cleaning the text feature.
- Labeling the text.
- Adding extra features.

- Analyses the students .

- Machin learning model to predict Analysis of students according to the graduation .
- Machin learning model to predict Gender analysis according to school level.
- Machin learning model to predict Average capacity by cities.

Material & tools

- Panda for data manipulation.
- Matplotlib for plotting data.
- Check cleaning data using data.info()
- PrettyPandas for clean data if necessary
- Arabic_reshaper for better viewing of Arabic letters .

The end