**IFT 511 – Analyzing Big Data**

**Project Step 2: Data Collection**

**Instructor: Asmaa Elbadrawy**

**Team 56**

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1. **The link to the google sheet that contains the collected data. If the graders cannot open the link, a zero grade will be assigned for the whole team.**

<https://arizonastateu-my.sharepoint.com/:x:/r/personal/lyaganti_sundevils_asu_edu/_layouts/15/Doc.aspx?sourcedoc=%7B0DA7A20A-D179-4048-9E1A-A5A442A127AC%7D&file=Schools%20List.xlsx&action=default&mobileredirect=true>

1. **An explanation for the collected data. Specifically:**

**2.1. Data sources: Links to all sources used to collect the data:**

* <https://asbcs.az.gov/about/statutes-rules-and-policies>
* <https://cvpcs.asu.edu/sites/default/files/content/products/youth_suicide_in_arizona_2015-2019.pdf>
* <https://docs.google.com/spreadsheets/d/1_Fbx8GmgnRKdZSENCJhZCdjC8kiGdiLo9u2la48y_DA/edit#gid=0>

**2.2. Number of data points collected (How many rows) The expected number is a around a couple hundred schools/data points or more.**

Ans. 280.

**2.3. Number of attributes collected (How many columns)**

Ans. 26

**2.4. A brief explanation for what each column represents.**

* School: Name of the school which data has been collected.
* Type: Type of the school, whether it’s public or private.
* City: Name of city the school is located.
* Students: Total number of students in a school.
* Student to Teacher Ratio: Number of students per a teacher.
* Free or reduced lunch: Number of students get the lunch provided by school.
* Zip Codes: Zip code of the Area the school is located.
* Math Grades: Average math grade of a school.
* Male: Total number of males in a school.
* Females: Total number of females in a school.
* Enrollment rank Nationally: Rank of the school national wide.
* Enrollment rank in Arizona: Rank of the school in Arizona state.
* Student/Teacher Rank in Arizona: Rank of teacher or students in Arizona.
* Full Time Teachers Rank in Arizona: Rank of the teacher which are full time of a school.
* Free Lunch Eligibility: Total number of students who get free lunch.
* Free Lunch Not Eligible: Number of students who don’t get free lunch.
* Reduced Price Lunch Eligibility: Total number of students who get lunch for minimum price.
* Full time teacher: Total number of full-time teachers in a school.
* English Grade: Average English grade of a school.
* White: Number of white students in a School.
* Hispanic: Total number of students who are Hispanic in a school.
* Black: Number of Black students in a school.
* Two or More: Number of students whose race is more than 1.
* Asian: Total number of students who are Asian.
* American Indian: Number of students who are American Indian born.
* Pacific Island: Total number of students who belongs to pacific island.

**2.5. A brief explanation for what each row represents.**

Ans. Each row represents each school details which is having number of males, number of females, total number of a school. And Location of the school with zip codes. Average English and math scores of a school. How many students get free lunch, how many don’t get and how many gets lunch for reduced price. Rank of School national wide and Rank in Arizona also. Number of full-time teachers and ranks of each school who are having full time ranks.

**2.6. The list of rows/columns collected by each team member.**