

# JONATHAN ARMSTRONG

## DATA ANALYST

### Summary

---

I am a data analyst specializing in public education. I have experience wrangling, cleaning, analyzing, and modeling data to suite needs district and campus needs while applying in-depth domain knowledge based on hands on experience in the classroom.

### Employment

---

**Southwestern Adventist University** **Keene, Texas**  
**Data Analyst** **Jan. 2021 to Current, Jan. 2021 to Current**

- Gathered data via various campus channels
- Performed exploratory analysis to provide insight and recommendations to the university
- Generated and presented regular reports to OIER Committee

**Bay City ISD** **Bay City, Texas**  
**Lead Teacher Elem** **July 2017 to July 2021**

- Utilized Organization Health Improvement data to develop campus improvement plan
- Analyzed behavioral data on Multi-Tiered System of Support team to create and monitor campus behavior management
- Monitored and visualized student academic data regularly
- Supported team in implementation of classroom technology
- Lead and organized team meetings to establish grade-level long and short term goals.

### Projects

---

**Python and Google Slides: Peripheral Recommendations to Improve District STAAR Meets Score**

Gathered and cleaned TEA snapshot district data for state of Texas in 2018. Used exploratory data analysis to gather insight on actionable features and the relationship of those features to STAAR data. Used machine learning to predict STAAR scores for 2020 data as well as offer suggestions to two districts on how to raise the number of students meeting the STAAR in their area.

### Volunteering

---

**Cleburne ISD · Volunteer Data Analyst** **Current**  
**Cleburne Texas**

Worked with assistant superintendent to perform analysis and draw insights on pain points for the district

### Contact

---

✉ [jonathan.alan.armstrong@gmail.com](mailto:jonathan.alan.armstrong@gmail.com)  
🌐 <https://github.com/jonarms/Portfolio>  
☎ 8179336841  
in [www.linkedin.com/in/jonathan-armstrong-data](http://www.linkedin.com/in/jonathan-armstrong-data)

### Education

---

**Springboard Data Science Career Track** **Aug. 2021 to Feb. 2021**

Portfolio Projects:

[https://github.com/jonarms/STAAR\\_Re](https://github.com/jonarms/STAAR_Re)  
6-month intensive course in data science, machine learning, Python and SQL.

**Southwestern Adventist University** **2009 to 2013**  
**BS Communication** **2013**

### Skills

---

**LANGUAGES: PYTHON (PANDAS, NUMPY, SEABORN, SCIKIT), SQL**

**STATISTICAL ANALYSIS: DESCRIPTIVE AND INFERENCEAL STATISTICS, REGRESSION MODELING, HYPOTHESIS TESTING**