

**Standard: Teaching, Learning, and Assessment**

**Element: 2.8 Data Analysis**

**Class: ITEC7305**

**Artifact: Data Overview**

*Candidates model and facilitate the effective use of digital tools and resources to systematically collect and analyze student achievement data, interpret results, communicate findings, and implement appropriate interventions to improve instructional practice and maximize student learning. (PSC 2.8/ISTE 2h)*

**1. Briefly describe the artifact and the context in which it was created. What was your individual contribution(s)?**

The artifact selected for this standard is a power point presentation that summarizes the **systematic collecting** and **analyzing** of **student achievement** data. The power point includes an **interpretation of results**.

**2. Explain how this artifact demonstrates mastery of the standard/element under which it is placed.**

This artifact is a power point that shows mastery of the standard because it is a presentation of **collected student achievement** data that was **analyzed**.

To make this artifact I used the Georgia Department of Education report card for Adairsville Elementary Schools CRCT for years 2012-2014. I **analyzed student achievement data** for the state, Bartow County, and Adairsville Elementary School to determine which information was needed. The results of the collected data were exported to Excel where I compiled charts of the findings. I made charts that show number of enrolled students, demographics, subgroups, school results, county results, state results, comparison for school, county, and state. I then made a power point where data was **interpreted and communicated**. The power point was then screen casted so it could be **communicated** to a larger audience.

**3. What did you learn from completing this artifact? What would you do differently to improve the quality of the artifact or the process involved in creating the artifact?**

From this experience I learned that you need a purpose for what you are doing with your data. There are numerous ways to look the data. If there is no purpose you can spend a lot of time collecting and analyzing data only to realize it is not what you need.

I think that when I do this again I will include male and female subgroups. It would be interesting to see where their strengths lie. Is it still boys in math and girls in reading?

**4. How did the work that went into creating the artifact impact school improvement, faculty development or student learning? How can the impact be assessed?**

This artifact impacts school improvement because the findings show where strengths and weaknesses of the student population and subgroups are and helps the school improvement team so set goals for future school achievement.

The impact of this artifact can be assessed by the data team and school improvement team. The school improvement team will use the findings to help determine goals for the school improvement plan.