**Assessment Rubric: Data**

| 4 Advanced | 3 Proficient | 2 or 1 Areas of Concern |
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| Going above & beyond.   * The ‘WOW’ factor: Demonstrated ability beyond what’s explicitly taught or expected. | Meeting Expectations, Goals, or Objectives   * Demonstrates competency to learning goals by completing all aspects of the project, for both technical competencies and professional skills. | Not meeting expectations   * Absenteeism not made up * Incomplete/missing work or does not demonstrate a minimum level of ability |
|  | **Technical Competencies**  I can…   * + Compare and contrast small vs big data and explain metadata   + Convert between decimal, binary, hexadecimal and explain ASCII and unicode.   + Describe the various scalar data types used in programming.   + Explain what a database is and how it might be used.   + Explain and demonstrate how data is collected, organized (search, sort, clean) and describe how it can be used for decision making.   + Create a visualization of data   + Explain when to utilize data compression (lossy vs lossless)   + Manipulate and obtain data using simple SQL commands   —-----------------------------------------------------------------------------------------------  **Professional Skills**   * ZZZ: * zzz * zzz |  |