Data skills:

1. Implement algorithms for data analysis as a working code in a programming language such as Python, Matlab, R, or C/C++
2. Write scripts combining off-the-shelf data processing tools
3. Describe probabilistic models and demonstrate the use of standard tools of statistical analysis and machine learning
4. Use regular operations in spreadsheet programs (e.g. Excel)
5. Use data to solve engineering problems in biology and medicine
   1. Apply statistical analysis and machine learning tools to different datasets and understand their limitations
   2. Justify design decisions, inputs, and constraints
   3. Recognize biases or underlying assumptions within datasets and that their use may pose risks to certain populations
   4. Organize and present data visually to an audience

