Analytics Fundamentals

* [Relational Algebra (basic)](https://en.wikipedia.org/wiki/Relational_algebra)
* [Structured Query Language (SQL) (proficient)](https://en.wikipedia.org/wiki/SQL)
* [Multidimensional Data Modeling (proficient)](https://en.wikipedia.org/wiki/Dimensional_modeling)
* [Online Analytical Processing (proficient)](https://en.wikipedia.org/wiki/Online_analytical_processing)
* [Extraction, Transformation, Load (proficient)](https://en.wikipedia.org/wiki/Extract%2C_transform%2C_load)
* [Linear Algebra-Matrix/Vector Operations (basic)](https://en.wikipedia.org/wiki/Linear_algebra)
* [Extensible Markup Language (basic)](http://www.w3.org/XML/)
* [JavaScript Object Notation (basic)](https://en.wikipedia.org/wiki/JSON)
* [Comma Separated Values Files (proficient)](https://en.wikipedia.org/wiki/Comma-separated_values)
* [Graph Theory (basic)](https://en.wikipedia.org/wiki/Graph_theory)

Development Processes

* [Quality (e.g., security, reliability, usability) Assurance (basic)](https://en.wikipedia.org/wiki/Software_quality)
* [User Interface Design Principles (proficient)](https://en.wikipedia.org/wiki/Principles_of_user_interface_design)
* [Functional Requirements (expert)](https://en.wikipedia.org/wiki/Functional_requirement)
* Listening (proficient, but one can always work on this...)
* [System Requirements (basic)](https://en.wikipedia.org/wiki/System_requirements)
* [Nonfunctional Requirements (proficient)](https://en.wikipedia.org/wiki/Non-functional_requirement)
* [Tracing Requirements (proficient)](https://en.wikipedia.org/wiki/Requirements_traceability)
* [Software Design Patterns (rudimentary)](https://en.wikipedia.org/wiki/Software_design_pattern)
* [UML Graphical Modeling (expert)](http://www.uml.org/)
* [Software Testing (basic)](https://en.wikipedia.org/wiki/Software_testing)
* [IEEE Software Engineering Standards (proficient)](http://standards.ieee.org/findstds/standard/software_and_systems_engineering_p7.html)
* [SPARQL (basic)](http://www.w3.org/TR/sparql11-query/)
* [SQL (proficient)](https://en.wikipedia.org/wiki/SQL)
* [UML (proficient)](http://www.uml.org/)
* [XML (basic)](http://www.w3.org/XML/)

Machine Learning Fundamentals

* [Classification (basic)](https://en.wikipedia.org/wiki/Statistical_classification)
* [Regression (basic)](https://en.wikipedia.org/wiki/Regression_analysis)
* [Resampling (rudimentary)](https://en.wikipedia.org/wiki/Resampling_(statistics)%3c/a%3e%3c/li%3e)
* [Model Selection (rudimentary)](https://en.wikipedia.org/wiki/Model_selection)
* [Regularization (rudimentary)](https://en.wikipedia.org/wiki/Regularization_(mathematics)%3c/a%3e%3c/li%3e)
* [Non-linear Models (rudimentary)](https://en.wikipedia.org/wiki/Nonlinear_regression)
* [Tree-based Methods (rudimentary)](https://en.wikipedia.org/wiki/Decision_tree_learning)
* [Support Vector Machines (rudimentary)](https://en.wikipedia.org/wiki/Support_vector_machine)
* [Clustering (rudimentary)](https://en.wikipedia.org/wiki/Cluster_analysis)

Programming Fundamentals

* Classes (basic)
* Closures (rudimentary)
* Control Flow (proficient)
* Dictionaries (between basic and proficient)
* Exception Handing (rudimentary)
* Functions (proficient)
* Graphs (between basic and proficient)
* Input / Output (proficient)
* Iteration (proficient)
* Lambda Expressions (basic)
* Lists (between basic and proficient)
* Map (basic)
* Methods (proficient)
* Objects (basic)
* Recursion (basic)
* Reduce (basic)
* Search Algorithms (rudimentary)
* Sets (between basic and proficient)
* Vectorization (rudimentary)

Project Management

* [Reference for all items in this section](https://en.wikipedia.org/wiki/Project_management)
* Risk Management (basic)
* Quality Management (basic)
* Scope (Requirements) Management (proficient)
* Time (Schedule) Management (basic)
* Cost (Budget) Management (basic)
* Employee Management (basic)
* Vendor Management (basic)
* Customer Management (basic)
* Interface with Software Engineering (expert)

Statistics Fundamentals

* [Reference for all items in this section](https://en.wikipedia.org/wiki/Statistics)
* Descriptive Statistics (proficient)
* Distributions (basic)
* Probability Theory (proficient)
* Bayes Theorem (basic)
* Hypothesis Testing (between basic and proficient)
* Simple & Multiple Linear Regression (proficient)
* Oneway & Multifactor ANOVA (basic)
* Logistic & Ordinal Regression (proficient)
* Binomial Test (basic)
* Chi-square Contingency Tables (basic)
* Non-parametric Alternatives (proficient)

Training Approaches

* [Project-based Learning (expert)](https://en.wikipedia.org/wiki/Project-based_learning)
* [Problem-based Learning (expert)](https://en.wikipedia.org/wiki/Problem-based_learning)
* [Case Based Learning (expert)](https://en.wikipedia.org/wiki/Case_method)
* [Collaboration and Learning (expert)](https://en.wikipedia.org/wiki/Collaborative_learning)
* [Technology and Learning (expert)](http://www.ed.gov/oii-news/use-technology-teaching-and-learning)
* [Learning Outcomes Development (proficient)](https://en.wikipedia.org/wiki/Bloom%27s_taxonomy)
* [Learning Outcomes Assessment (proficient)](https://en.wikipedia.org/wiki/Educational_assessment)