

CoLAB Digital Tech Credential
Generalist KSAs for Curriculum Alignment

3. Data Manipulation						
	KSA Description	Knowledge, Skill, or Ability?	Bloom's Taxonomy Level	Cross-cutting KSAs	Course Number/Name	Learning Outcome
a	Perform basic data manipulation and exploration using appropriate tools and software, including use of key Excel functions.	Skill	3	Data Analytics 4c, Machine Learning 4f		
b	Create and edit simple data structures and storage, understanding how version control affects each.	Skill	2	Data Analytics 4d		
c	Detect and remediate missing, miscoded, and anomalous data.	Skill	2			
d	Explain the purpose of and code conditional logic statements.	Skill	2			
e	Use a computer application to manage large amounts of information.	Skill	2			
f	Implement common information retrieval and filtering applications in databases and data systems.	Skill	2			
g	Find and access publicly available datasets.	Skill	3			
h	Conduct ad hoc analysis (summarize, estimate, predict data, use pivot tables).	Skill	3			