

Data Analytics KSAs for Curriculum Alignment

3. Data Quality

	KSA Description	Knowledge, Skill, or Ability?	Bloom's Taxonomy Level?	Cross-cutting KSAs	Course Number/Name	Learning Outcome
a	Identify steps to ensure data quality at each level.	Knowledge	2			
b	Explain strategies for dealing with data quality issues.	Knowledge	2			
c	Understand how to curate data, how data will be used, and ensure that data is fit for purpose and use.	Skill	3			
d	Demonstrate an understanding of integrating data sources and data fusion concepts and methods for performing these activities	Knowledge	3			
e	Identify data quality issues (e.g., missing values, duplication of records, outliers).	Skill	4			
f	Perform data summarization, sanity checks, and validation using appropriate tools and software.	Skill	3			
g	Assess data in terms of availability and appropriateness to the possible solutions.	Ability	5			