

**CoLAB Digital Tech Credential
Generalist KSAs for Curriculum Alignment**

2. Probability and Descriptive and Inferential Statistics						
	KSA Description	Knowledge, Skill, or Ability?	Bloom's Taxonomy Level	Cross-cutting KSAs	Course Number/Name	Learning Outcome
a	Demonstrate knowledge of probability and standard statistical distributions.	Knowledge	1	Data Analytics 5a		
b	Explain hypothesis testing and statistical significance.	Knowledge	1			
c	Demonstrate and explain the role and importance of model validation and accuracy metrics in analytics projects, hypothesis testing, and information retrieval.	Knowledge	2	Data Analytics 5d		
d	Explain the concept of the least squares criterion.	Knowledge	1			
e	Demonstrate the conditions that comprise the simple linear regression model.	Skill	1			