CoLAB Digita Tech Credential
Generalist KSAs for Curriculum Alignment

	1. The Role of Data and Analytics					
	KSA Description	**Knowledge, Skill, or Ability?**	**Bloom's Taxonomy Level**	**Cross-cutting KSAs**	**Course Number/Name**	**Learning Outcome**
a	Explain the importance of data and what data represent.	Knowledge	1			
b	Differentiate common data typologies, including structured vs. unstructured, numeric vs. text, root vs. derived.	Knowledge	3	Data Analytics 1d		
c	Explain potential uses/applications given a source and type of data.	Knowledge	1			
d	Demonstrate how data can be used to reduce uncertainty and risk related to decisions and decision-making.	Ability	2			
e	Explain and demonstrate how differences in data and desired outcomes impact the appropriateness of data analysis techniques (e.g., descriptive vs. diagnostic vs. predictive vs. statistical).	Knowledge	2	Data Analytics 5c, Machine Learning 1b		