Data Literacy One Topics and eLearning Lessons

Review Topic	DL 1 Module (s)	eLearning
What is Data and Data Analysis? ● Definition of Data ● Asking Questions ● Data Collection	Modules 1 and 2	Introduction to Data Literacy
Preparing Data ● Data characteristics and organization ● Formatting Data properly	Module 3	Recognizing Well-Structured Data
Variables and Field Types ● What are variables? ● Qualitative and Quantitative variables ● Dimensions and Measures ● Discrete and Continuous	Module 4	Exploring Variables and Field Types
Aggregation and Granularity ● Aggregation ● Tableau Aggregate functions ● Granularity ● Level of Detail (LOD)	Module 5	Exploring Aggregation and Granularity

Distributions
● Distributions of Discrete variables
● Distribution of Continuous variables
   ○ Histograms
   ○ Box Plots
● Measuring Center
	Module 6	Understanding Distributions

Basic Statistical Concepts ● Measuring Variation ● Normal Curve ● Uncertainty and p-value ● P-value and significance	Module 7	Understanding Variation for Wise Comparisons
Correlation and Regression ● Correlation Coefficients ● Linear Regression	Module 8	Using Correlation and Regression to Examine Relationships