CGT 270 Data Visualization
Module 1 ● Week 2
Lab 2: Parsing Data

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The goal of this lab is to understand the structure of data. In this lab you will change data into a format that tags each part of the data with its intended use. After completing this lab every element of the data, you selected (Tableau dataset) and the two (2) additional datasets you acquired in lab last week will be broken into its individual parts. Answer the following questions and complete the table for each dataset.

1. List the name of the Tableau Dataset you selected in the Acquire Lab: EMSI Millennials vs Baby Boomers
2. How many rows (records) are in the data set: 46 rows
3. How many columns (variables) are in the data set: 10 columns
4. What assumptions are you making about the data: Who is considered a "Baby Boomer" or "Millennial" The age range for these generations vary among academic sources.

What you should be able to do (at the end of this lab):

Remember	***Describe*** what happens in the **parse** stage.
Understand	***Describe*** the data in detail according to the parsing specifications.
Apply	***Demonstrate*** the ability to change data into a useful format for future processing.
Evaluate	***Categorize*** the data according to parsing specs.
Analysis	***Identify*** specific features about the data.
Create	***Generate*** a parsed listing of the data.

Tableau Data Set

In the table below list each variable and its data type (add more rows as needed):

	Variable	**Data type**
1	**Occupation**	**String**
2	**Generation**	**String**
3	**2007 Jobs**	**Integer**
4	**2013 Jobs**	**Integer**
	Job Change	**Integer**
	2007 Share of All Jobs	**Floating Point**
	2013 Share of All Jobs	**Floating Point**
	Standard Occupation Classification	**Integer**

You may add more rows and attach additional pages if needed.

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Additional Data Set #1

1. List the name of the first (1st) additional data set you acquired in the Acquire Lab: BLS Jobs by Category
2. How many rows (records) are in the data set: 156 rows
3. How many columns (variables) are in the data set: 33 columns
4. What assumptions are you making about the data: What's the difference between private and government. If private is contracted primarily for government work, is it a government job.

In the table below list each variable and its data type (add more rows as needed):

	Variable	Data type
1	Date	Integer
2	Private Sector Jobs	Integer
3	Government Jobs	Integer
4	Type of Job	String
	Total of Type of Jobs	Integer

You may add more rows and attach additional pages if needed.

Additional Data Set #2

1. List the name of the second (2nd) additional data set you acquired in the Acquire Lab: BLS Change from Previous Month
2. How many rows (records) are in the data set: 156 rows
3. How many columns (variables) are in the data set: 33 columns
4. What assumptions are you making about the data: What's the difference between private and government. If private is contracted primarily for government work, is it a government job.

In the table below list each variable and its data type (add more rows as needed):

	Variable	Data type
1	Date	Integer
2	Total Job Change between months	Integer
3	Type of Job	String
4	Government or Private	String
	Difference in Jobs	Integer
	Type of Government	String
	Type of Private	String

You may add more rows and attach additional pages if needed.

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