

My Jupyter Notebook on IBM Watson Studio

This purpose of this notebook is to read in some medicare enrollment data to Jupyter for my final assignment.

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I am interested in data science because it is a useful skill to expand my professional capabilities. A few years ago, I read in the MIT Technology Review that although the US will need 1.3M health data scientists only 300K people may be able to meet the need due to a skill deficit. Therefore, I am taking charge of my life and learning while I can

In the cell below (cell number 5) I will look at the dimensions, structure, and first 5 values of health (medicare enrollment) data I found online.

```
In [10]: df_data_1 <- read.csv(text = rawToChar(obj)) #already read in by the program

# Dimension of the Data
dim(df_data_1)

# Structure of Data
str(df_data_1)

# First 5 Values of Dataframe
head(df_data_1)
```

56 · 8

```
'data.frame': 56 obs. of 8 variables:
 $ STATENAME : chr "Alabama" "Alaska" "American Samoa" "Arizona" ...
 $ STCD : chr "AL" "AK" "AS" "AZ" ...
 $ SSAST : int 1 2 64 3 4 5 6 7 8 10 ...
 $ FIPSST : int 1 2 60 4 5 6 8 9 10 12 ...
 $ Eligible : chr "1,090,227" "107,212" "4,439" "1,437,788" ...
 $ MA.Enrolled : chr "617,742" "2,137" "113" "709,746" ...
 $ Other.Enrolled: chr "2,750" "78" "13" "1,248" ...
 $ PDP.Enrolled : chr "246,757" "73,741" "117" "446,521" ...
```

A data.frame: 6 × 8

	STATENAME	STCD	SSAST	FIPSST	Eligible	MA.Enrolled	Other.Enrolled	PDP.Enrolled
	<chr>	<chr>	<int>	<int>	<chr>	<chr>	<chr>	<chr>
1	Alabama	AL	1	1	1,090,227	617,742	2,750	246,757
2	Alaska	AK	2	2	107,212	2,137	78	73,741
3	American Samoa	AS	64	60	4,439	113	13	117
4	Arizona	AZ	3	4	1,437,788	709,746	1,248	446,521
5	Arkansas	AR	4	5	662,903	280,758	1,492	245,454
6	California	CA	5	6	6,682,127	3,257,743	16,147	2,267,161

Alabama and Alaska	Samoa and Arizona	Arkansas and Cali
1.1 Million	1.5 Million	Over 7 Million

- PDP Enrolled
- Other Enrolled
- MA Eligible

Medicaid Medicare is the primary coverage in this dataframe.