Sexually Transmitted Infections Dataset

In 38 of the 78 reporting nations, at least 1% of prenatal care participants tested positive for syphilis in 2019. An average of 3.2 percent (range 1.1 percent to 10.9 percent) of prenatal care attendance tested positive for syphilis in these 78 reporting countries. Prematurity, low birthweight, neonatal death, and infections in infants are all caused by syphilis in pregnancy, which is the world's second biggest cause of stillbirth. A simple and inexpensive fast test, followed by benzathine penicillin therapy, can avert these negative effects.

This dataset id gotten from World Health Organization data storage https://www.who.int/data/gho/data/themes/sexua lly-transmitted-infections

In [1]:	imp imp imp	Importing port numpy port panda port matpl port seabo	as np s as po otlib.	d pyplot as plt	
In [2]:		Importing ta = pd.re		taset ('/content/Styphil	ls.csv')
	dat	ta.head()			Samuel St.
Out[2]:	dat	Location	Period	FactValueNumeric	
Out[2]:	_		5.0 (2021) 21(CV)	FactValueNumeric	
Out[2]:	_	Location	2017	1,700,000,000,000,000,000,000,000,000,00	
Out[2]:	0	Location Afghanistan	2017 2016	14.3	
Out[2]:	0	Location Afghanistan Afghanistan	2017 2016 2015	14.3 23.0	

The first cell illustrates how we imported the dataset and printed the first five rows by calling the function head, and the second cell shows how we imported the dataset and printed the first five rows by calling the function head.

The graphic above depicts the dataset's information, summarizing the entire dataset's information by displaying the number of entries (row) of 827 and the number of columns of 3. It also reveals that there is one object, one int64, and one float datatype.

	data.describe()				
	Period	FactValueNumeric			
count	827.000000	827.000000			
mean	2014.175333	67.796245			
std	3.247569	33.622085			
min	2006.000000	0.000000			
25%	2012.000000	41.640000			
50%	2014.000000	82.000000			
75%	2017.000000	98.025000			
max	2019.000000	100.000000			

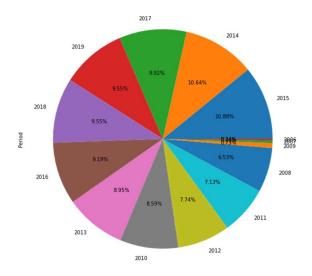
The figure above shows the statistical summary of the numerical columns on the dataset, telling us the count, mean, standard deviation, min max etc.

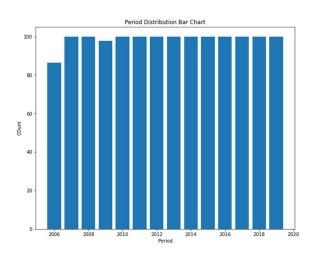
```
In [5]: # Checking the uniquenes of the values in each columns data.nunique()

Out[5]: Location 145
Period 14
FactValueNumeric 508
dtype: int64
```

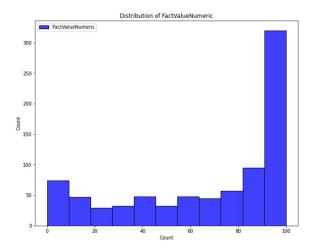
The unique count of each value in each dataset column is shown in the diagram above.

The pie chart distribution of the era with percentages is shown in the image below.

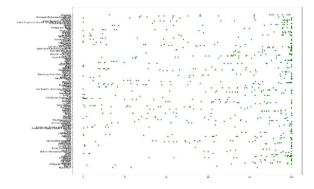




The bar chart visualization of the period count for each value count on the column in which 2014 has the lowest value count is shown in the image above.



The histogram distribution count of the FactValueNumeric is shown in the graphic above. The distribution is spaced out over the count, with a high frequency near the conclusion.



The scatter plot distribution between the FactValueNumeric and the location is shown in the image above, indicating that there is little correlation between them.