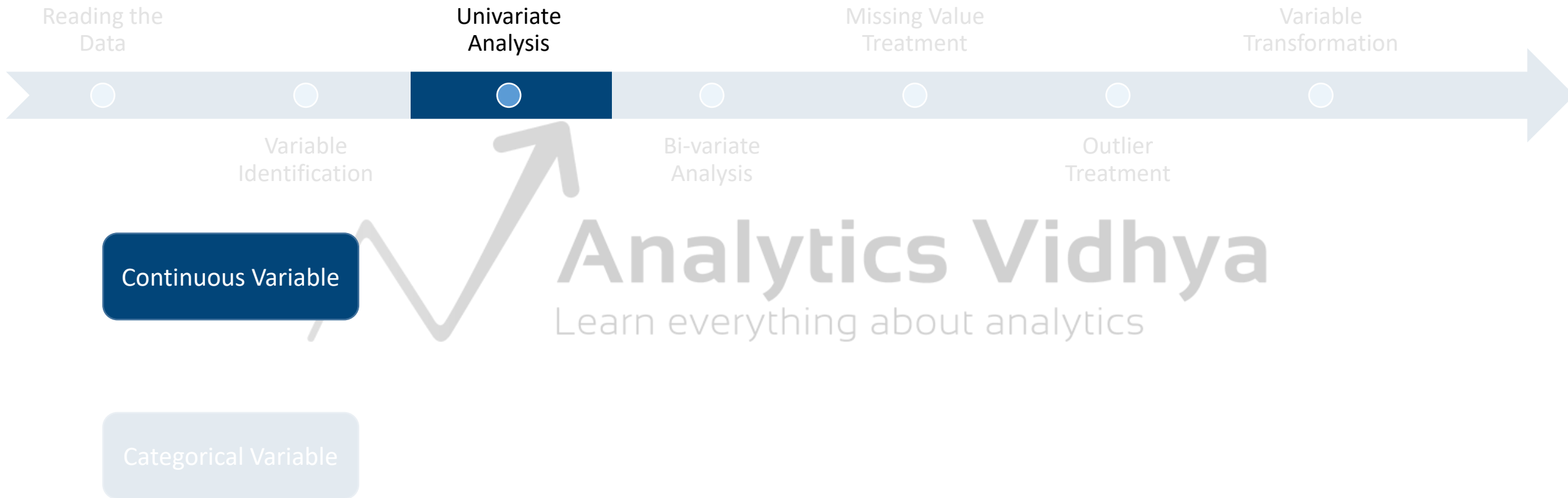
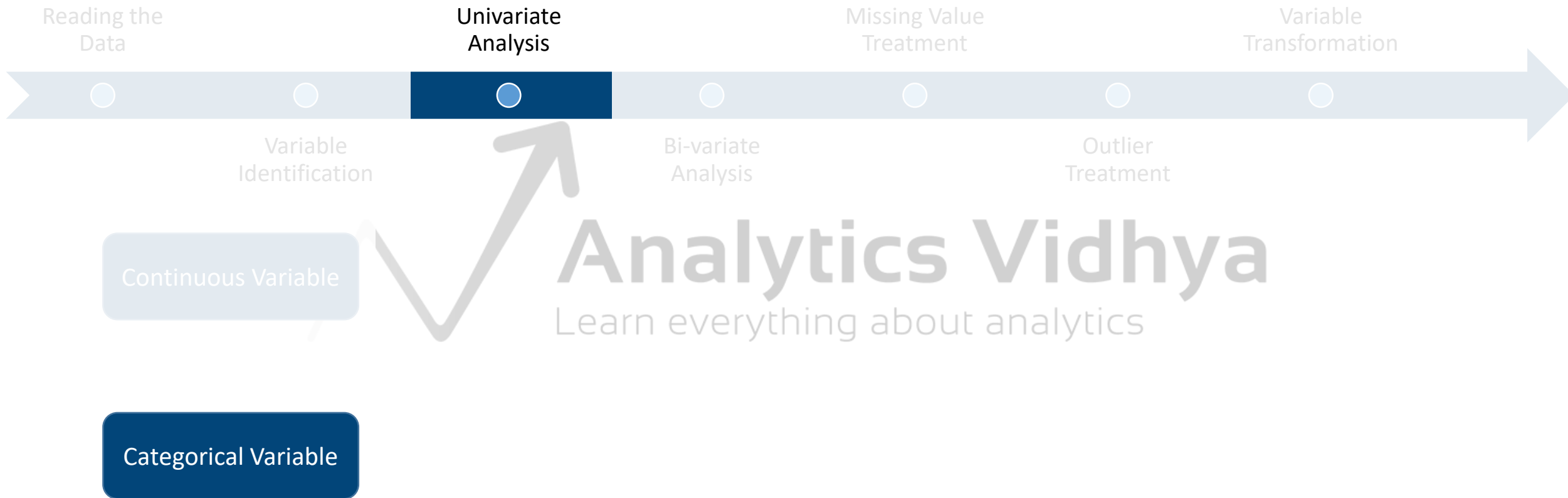


Stages of Data Exploration



Stages of Data Exploration



Stages of Data Exploration

What do we look for in Univariate Analysis?

Continuous Variable

Categorical Variable

Analytics Vidhya

Learn everything about analytics

- **Count** – absolute frequency of each category in a categorical variable
- **Count%** - proportion of different categories in a categorical variable expressed as %

Stages of Data Exploration

Continuous Variable

Categorical Variable



Sex, Class, Port of Embarkation

Stages of Data Exploration

What do we look for in Univariate Analysis?

Continuous Variable

Categorical Variable

Analytics
Learn everything about

- **Count** – The number of males and females onboard titanic.
- **Count%** - What percentage of the total people on titanic were females?



Stages of Data Exploration

How do we perform Univariate Analysis?

Continuous Variable

- **Tabular methods** – Frequency tables
- **Graphical Methods** – Bar plots

Categorical Variable

Stages of Data Exploration

How do we perform Univariate Analysis?

Continuous Variable

Categorical Variable

Tabular methods

Frequency Table

male	577	}	Count
female	314		
<hr/>			
male	0.647587	}	Count%
female	0.352413		

```
df['Sex'].value_counts()
```

Stages of Data Exploration

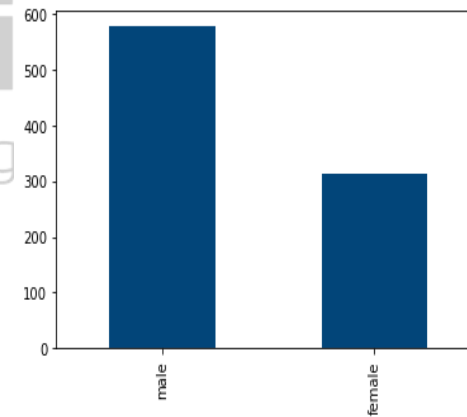
How do we perform Univariate Analysis?

Continuous Variable

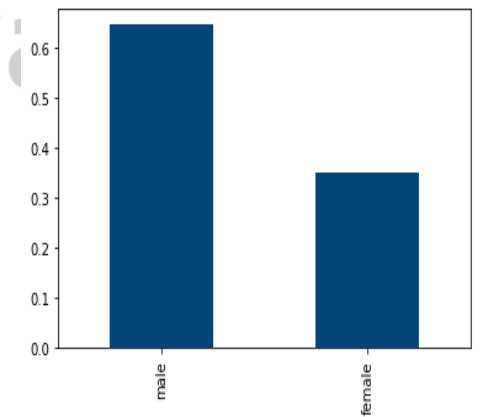
Categorical Variable

Graphical methods

Bar plot



Count



Count%

```
df['Sex'].value_counts().plot.bar()
```


Stages of Data Exploration



Topics covered:

1. What do we look for in Univariate Analysis of Categorical Variables?
2. How do we perform Univariate Analysis of Categorical Variables?

