

## Data Visualization Assignment

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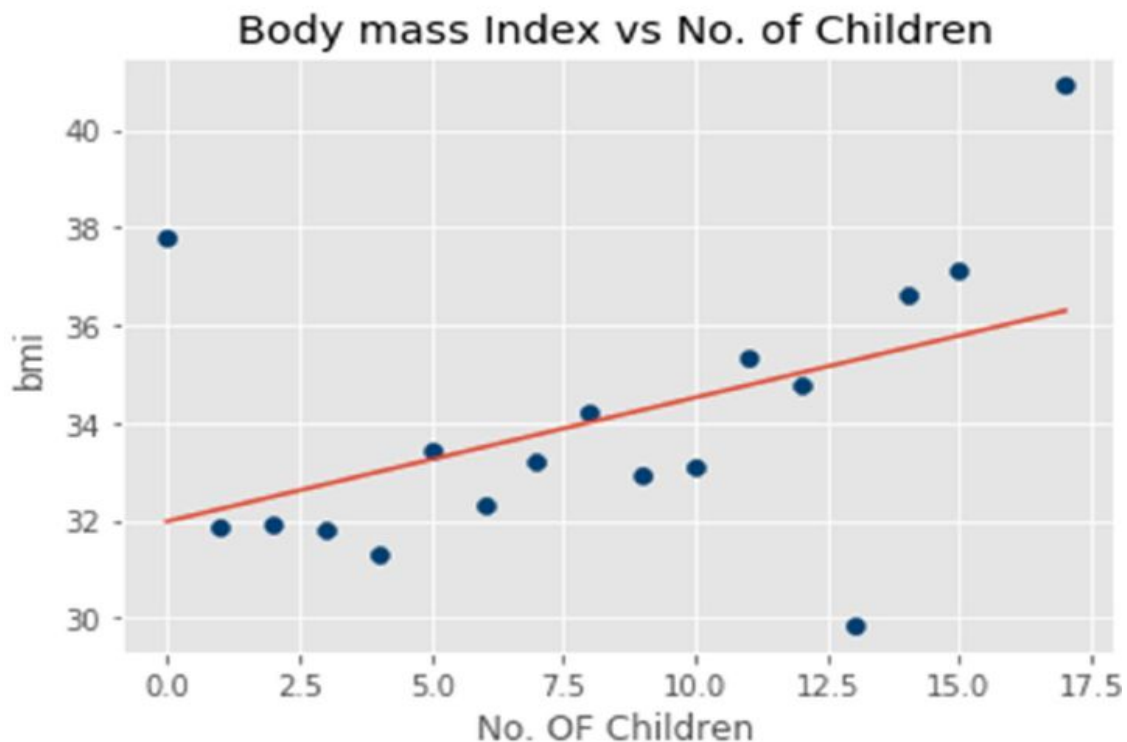
SRN : PES1201700159

### ❖ Dataset

- Dataset is based on Pima Indian(tribe) Females.It provides the following parameters.
- Number of Pregnancies,Glucose,Blood Pressure,Diastolic,Diabetes,Age, Skin Thickness,insulin,Outcome.

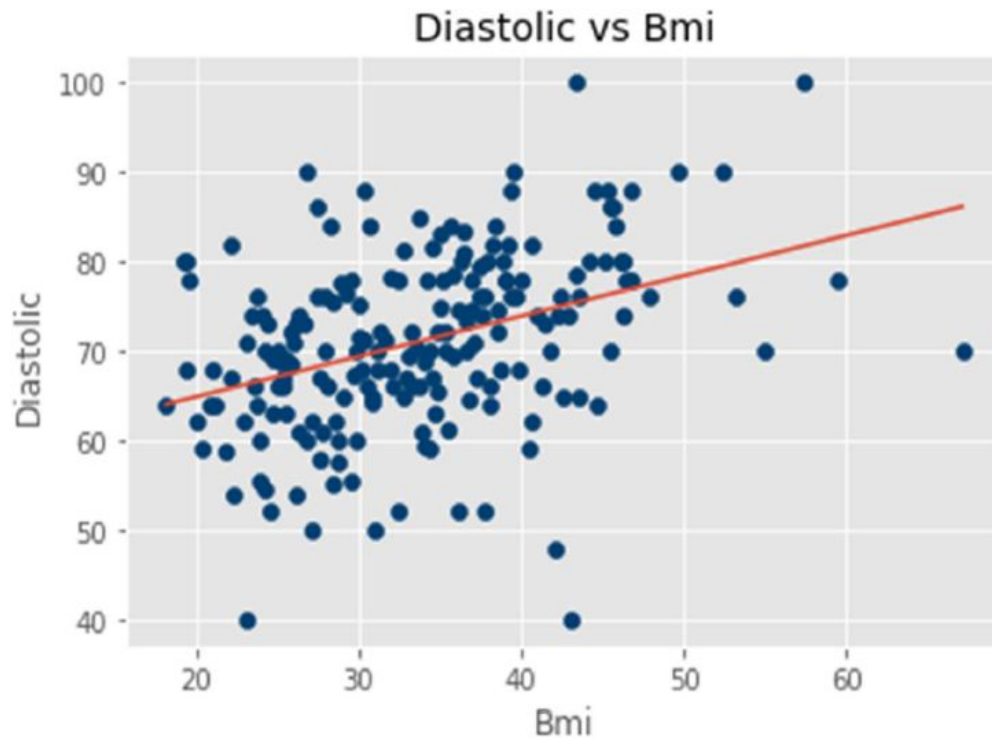
### ❖ Visualization

- Inference 1



Based On the above graph we notice that Body mass index fairly increases with the number of pregnancies a woman has. This is supported by the fact that after childbirth there are hormonal changes in a woman and stress can also be a factor. As it is very stressful to take care of a newborn baby. Certain hormones like cortisol are generated which increase the appetite. Hence Body mass index increases with no. of children.

➤ Inference 2



Here we notice that as Body mass increases the Diastolic pressure roughly increases. As Bmi increases fat deposits on the walls of the arteries due to which they narrow down. Thereby increasing diastolic pressure.