**Course:** IS 608 - Knowledge and Visual Analytics

**Quiz 1:** Principles of Data Visualization

**Submitted by:** Sanjive Kumar

1. Data Types - please identify what type of data the following are:

A: Ordered ->Discrete

B: Relational

C: Ordered -> Discrete

D: Ordered -> Continuous

E: Spatial

1. What is wrong with the visualization?

A: More than 4 overlapping trend lines makes the visual experience bad and difficult to comprehend

B: More than 3 categories are there, represented using Pie Chart which is difficult to comprehend and Value Count is not there in the Pie Chart, so we need to go back and forth with the table on the right side to decipher the chart

C: Scale is blurred and difficult to understand, understanding which country has highest and lowest population density is difficult to answer in this chart. It can be well represented using histogram instead of grouped data

D: The visualization histogram and data label is distracting from the key message as 2012 is the hottest year till now. It can be represented well using sparklines and showing the logical endpoints

E: The graph is not giving any message as:

* What this graph is all about?
* What is those 2 different set of trend lines really depicts
* Is there any specific logical endpoint or comparison which we need to keep in mind while interpreting this graph?