

BSc. VIth SEM: Tables and Graphs

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Tables and Graphs

- **Purpose:** To display data so that they can be readily understood.
- **Principle:** Tables and graphs should contain enough information, to be self-sufficient- without reliance on material within the text of the document of which they are a part.
- Tables and graphs share some common features, but for any specific situation, one is likely to be more suitable than the onother.

Characteristics of table

- Tabulation is a systematic presentation of raw data in columns and rows.
- Good table should contain all the required information in minimum space without losing clarity.
- It should suit the purpose of investigation.
- Unit of measurement must be mentioned.
- It should be self explanatory.

diagrams

- Sometimes, tables becomes cumbersome to fit all the required data; hence data is represented in diagrams.
- Diagrams gives pictorial effects and attractive, easy to understand.
- It's a visual forms for presentation of statistical data.
- But don't show exact value, only approximate in diagrams.
- It is a supplement to the table not replacement.

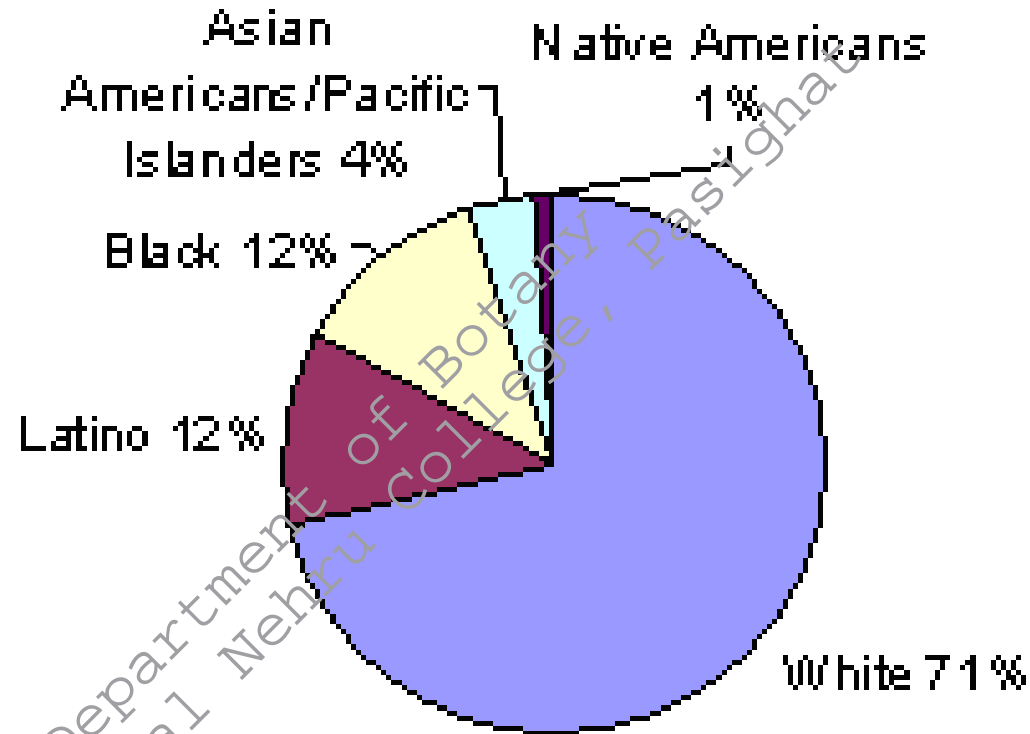
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Titles and Sources

- **Titles:** *What, How Classified, Where, and When*
 - Titles should specifically state what is being included in the cells of a table or the points plotted on a graph. With respect to a table cell, the title should clearly state what is in the cell, how the cells are classified, where the data were collected and when they were collected.
 - Titles should not state the purpose of the table or graph--a common mistake.
- **Source:** If a table or graph contains information from another published source, then that source should be indicated with a "source" statement.

Circular: Pie chart

Figure - US Population by Race/Ethnicity: 2000



Source: *Am J Public Health, Dec.2003; 93:2094*

Data are from the US Bureau of the Census

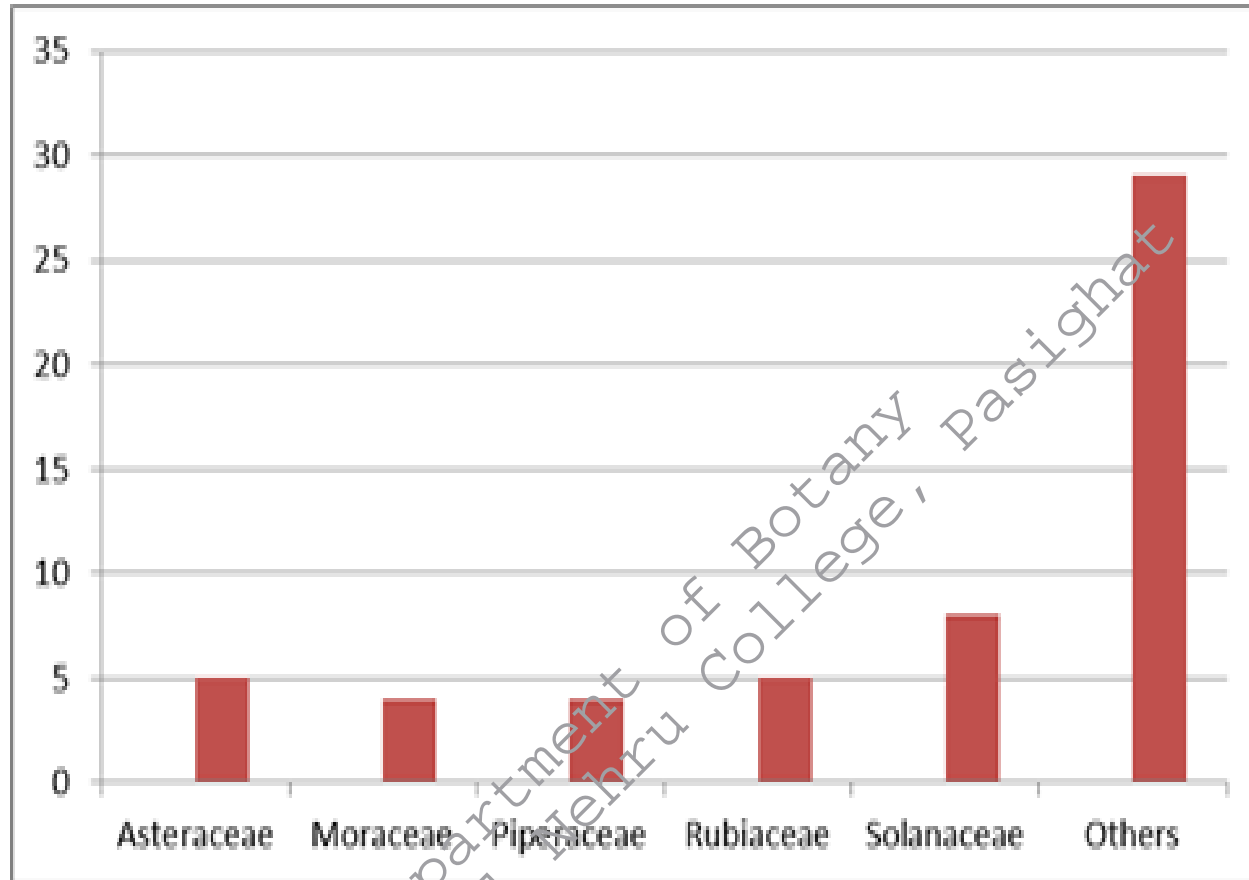


Figure 1: Family-wise representation.

Antioxidant potential of some medicinal food plants of Arunachal Pradesh. Payum et al., 2013

Sample	TPC(mg GAE/g)	TFC (μ MRE/g)	ABTS (μ M/g)	DPPH (μ M/g)
<i>Zanthoxylum rhetsa</i> shoot	117.95 \pm 3.22	120.14 \pm 2.31	167.69 \pm 3.21	851.42 \pm 3.44
<i>Solanum kurzii</i> berry	14.60 \pm 1.12	89.00 \pm 2.11	30.70 \pm 1.34	257.74 \pm 2.31
<i>Phoebe cooperiana</i> (fruit)	33.93 \pm 1.14	941.5 \pm 5.31	268.14 \pm 4.13	405.76 \pm 2.24
<i>Allium hookeri</i>	10.51 \pm 2.53	40.31 \pm 3.01	76.03 \pm 2.36	93 \pm 1.16
<i>Solanum spirale</i> (Leaf)	18.64 \pm 2.12	5.29 \pm 1.01	29.85 \pm 1.25	45.4 \pm 0.37
<i>Solanum spirale</i> (berry)	11.72 \pm 1.42	50.52 \pm 1.03	38.27 \pm 1.33	52 \pm 0.92
<i>Pouzolzia bennettiana</i>	4.80 \pm 2.11	120 \pm 1.25	111.69 \pm 1.03	278.48 \pm 1.01
<i>Clerodendrum colebrookianum</i>	11.84 \pm 2.32	10.88 \pm 1.12	24.84 \pm 1.27	86.24 \pm 1.28

Proximate value of some wild veg. of Arunachal Pradesh.

Payum et al., 2016.

