

AUDIO – VISUAL AIDS



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Chapter overview :

This chapter will introduce you to media and visuals that you can use in the classroom and community

Also it will help you explore how each of the technologies can be used to address learning styles

INTRODUCTION

Audio-visual aids are sensitive tools used in teaching and as avenues for learning. These are planned educational materials that appeal to the senses of the people and quickens learning facilities for clear understanding.

DEFINITION

An audio-visual aids is an instructional device in which message can be heard as well as seen. Kinder

Audio-visual aids are any device which can be used to make the learning experience more concrete , more realistic and more dynamic. Kinder

Audio-visual aids are those aids which help in completing the triangular process of learning. Carter .V. Good

PURPOSES OF AV AIDS PART 1

Antidote to the disease of verbal instruction

Best motivation in student

Student see the clear images

Variety of stimulation

Opportunity to handle

PURPOSES OF AUDIO VISUAL AID PART

2

Saving of energy and time

Positive transfer of learning

Helpful in attracting attention

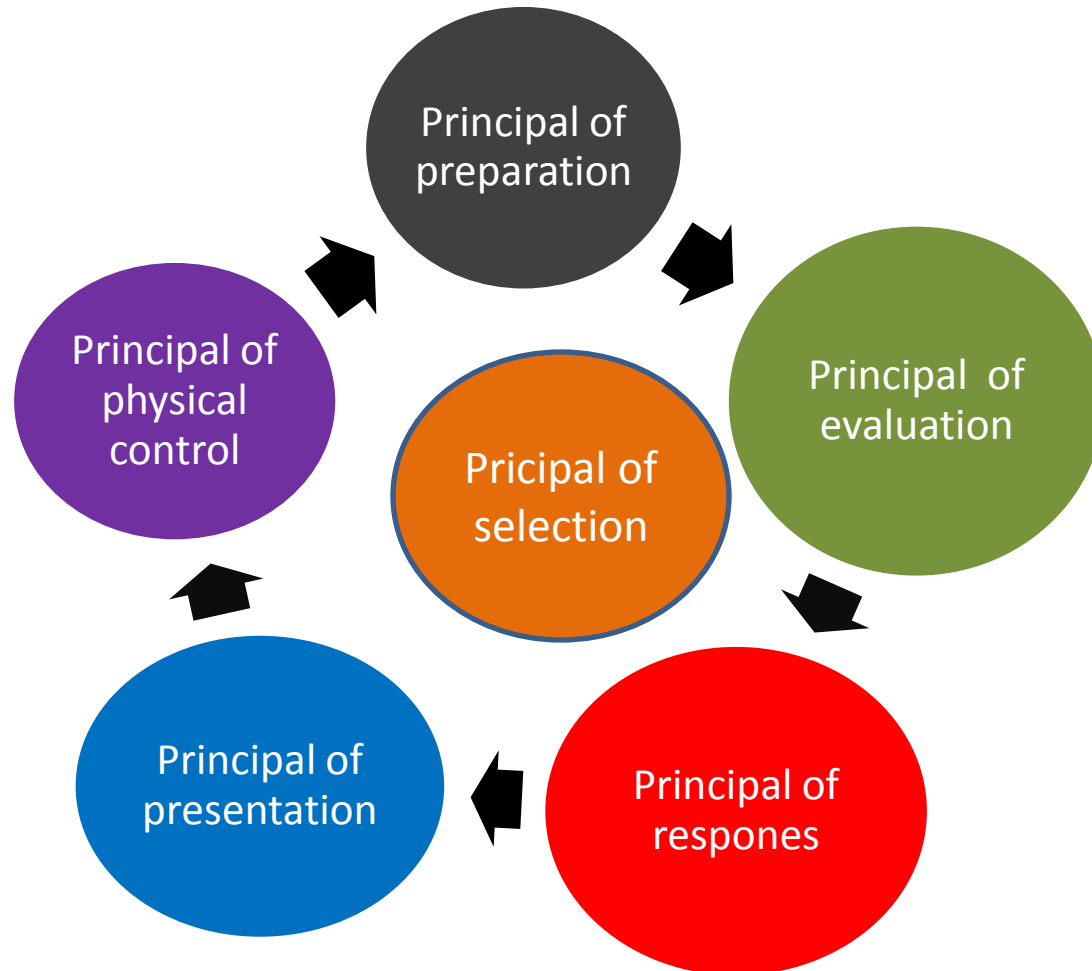
Speed of education on a mass
scale

Promotion of scientific temper

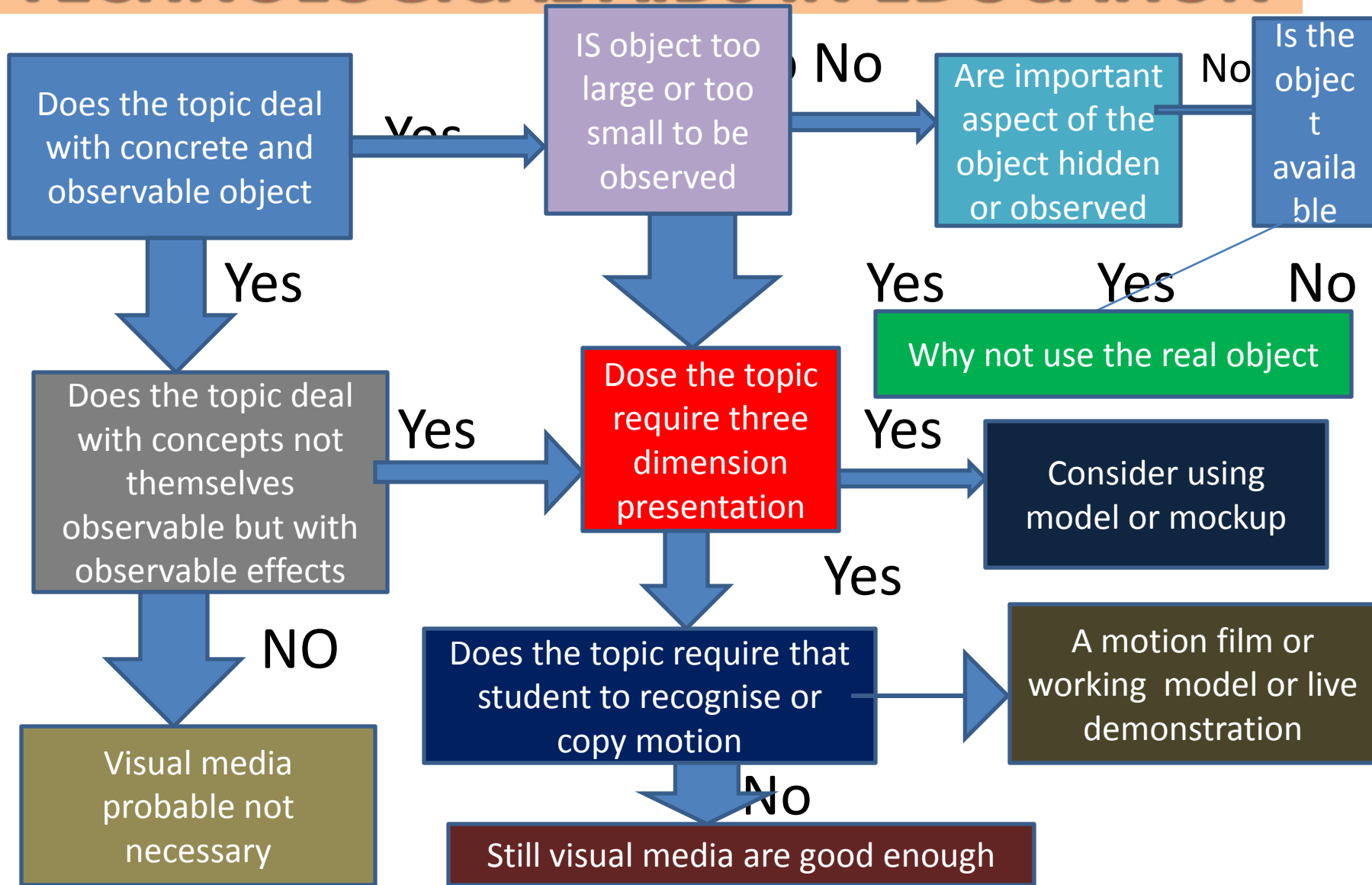
CHARACTERISTICS OF GOOD TEACHING TECHNOLOGE AIDS

- ➔ They should be meaningful and purposefil .
- ➔ They should be accurate in every respect .
- ➔ They should be simple .
- ➔ They should be cheap .
- ➔ They should be upto data
- ➔ They should be easily portable
- ➔ They should be according to the mental level of the student .
- ➔ They should motivate the learners .

PRICIPALS IN THE USE OF TEACHING AID



GUIDELINES FOR USING TECHNOLOGICAL AIDS IN EDUCATION



VISUAL AIDS

o Blackboard



o Flannel graph

o Models



o Specimens



o Posters

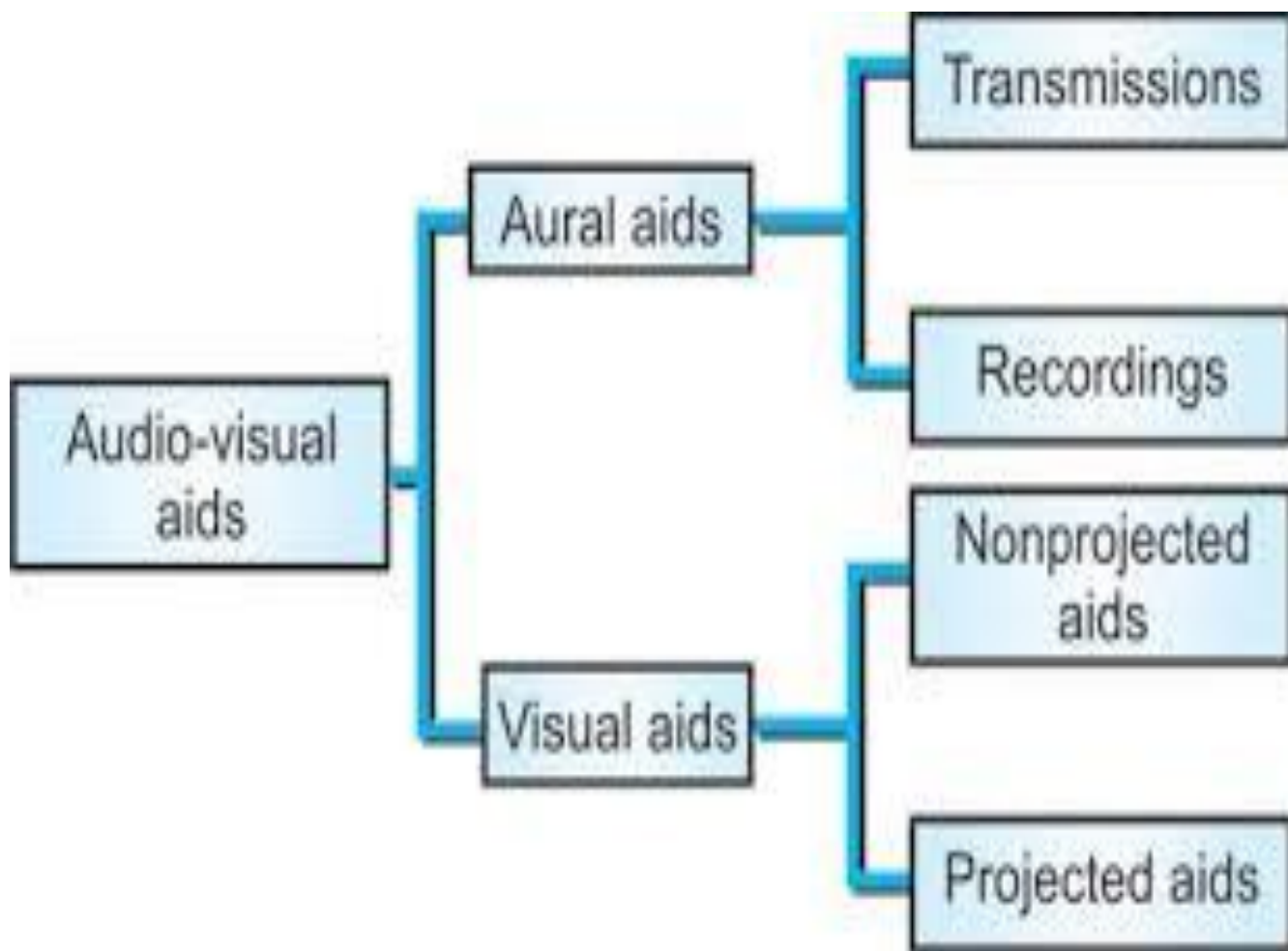
o Film strips



o Slides



o Foldouts



Types of Teaching Aids

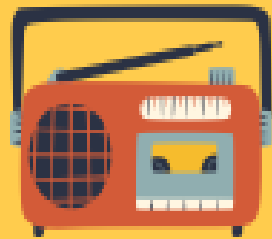
Audio aids

- Radio
- Gramophone
- Linguaphone
- Tape recorder



Visual aids

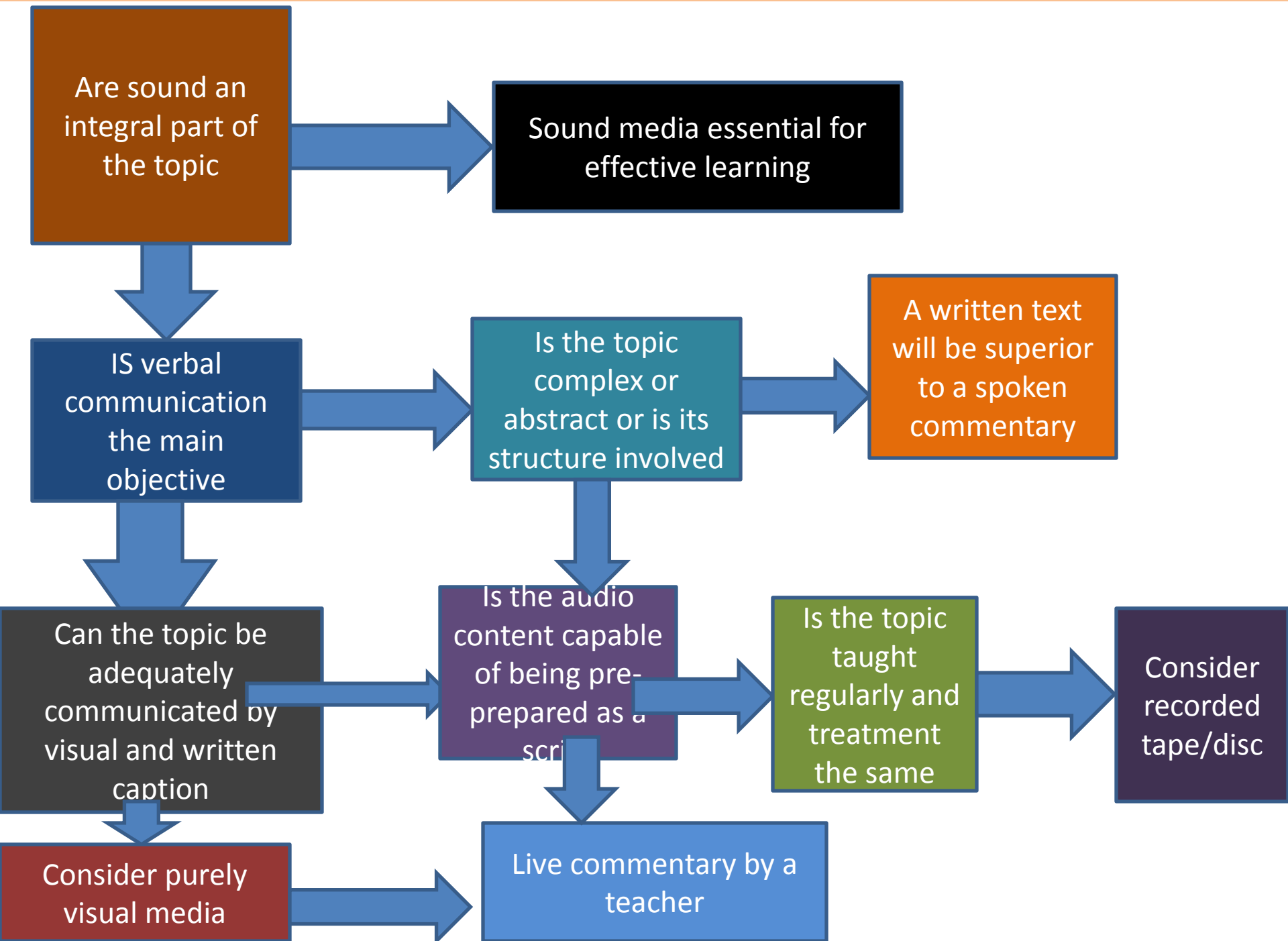
- Charts
- Pictures
- Models
- Maps
- Projectors



Audio-Visual

- Television
- Drama
- Sound Motion Films





CLASSIFICATION OF INSTRUCTIONAL AIDS

- AUDIO AIDS
- * VISUAL AIDS
- * VISUAL AIDS
- * AUDIO VISUAL AIDS
- * ACTIVITY AIDS



AUDIO AIDS

This group consists of those aids
which can be heard

*Learners use their hearing organs
to listen to the sound .

*the aids that involve a sense of
hearing

TYPES AUDIO AID

*RADIO

*TAPE RECORDER

*GRAMOPHONE

A RAIDO

PURPOSES OF RADIO

- *Radio a are portable.
- *Educational programs
Can be provided .
- *Increase student .
- *Develops positive attitude
- *Increases general
knowledge

ADVANTAGES

- *Increased Listening skill
- *Good for mass education
- *Effective for distance education



DISADVANTAGES

- *One way communication
- *May not seek attention.
- *May not be heard by students

A TAPE RECORDER

A tape recorder is a portable electronic gadget to record , erase and record sounds on the magnetic tape .



ADVANTAGES OF RECORDING

Recordings are two way communication

- *It enables one to listen, hear recordings previously made .
- *provides students to hear their own voice
- *It eliminate the time adjustments .problem of radio

GRAMOPHON

A phonograph ,later called a gramophone . It since the 1940 a record player , is a device for the mechanical a analogue reproduction of sound .



FILMSTRIPS AND SLIDES



A filmstrip is a strip of film with a sequence of still images used for teaching .It can be manually projected .Filmstrip is a continuous strip of 35 or 16 mm or 8mm film consisting of individual frames or pictures arranged in sequence . Usually with exploratory titles .

TELEVISION

Television can be a valuable teaching aid, offering both advantage and disadvantages in educational setting .when use effectively. It can enhance learning by providing engaging .



EPIDIASCOPE

The Epidiascope is an apparatus for the projection of objects lying in a horizontal position. It employs reflected light in the case of opaque



PROJECTOR

A projector is a device that allows you to display images, videos or other content on a large screen or surface



OVERHEAD PROJECTOR

Overhead projector is a device for projecting a matter, which is written or drawn on transparent sheet of acetate on to a screen.



WHAT IS FILM

A film also known as a movie or motion picture, is a work of visual art that simulates experiences and otherwise communicates ideas, stories, perception.



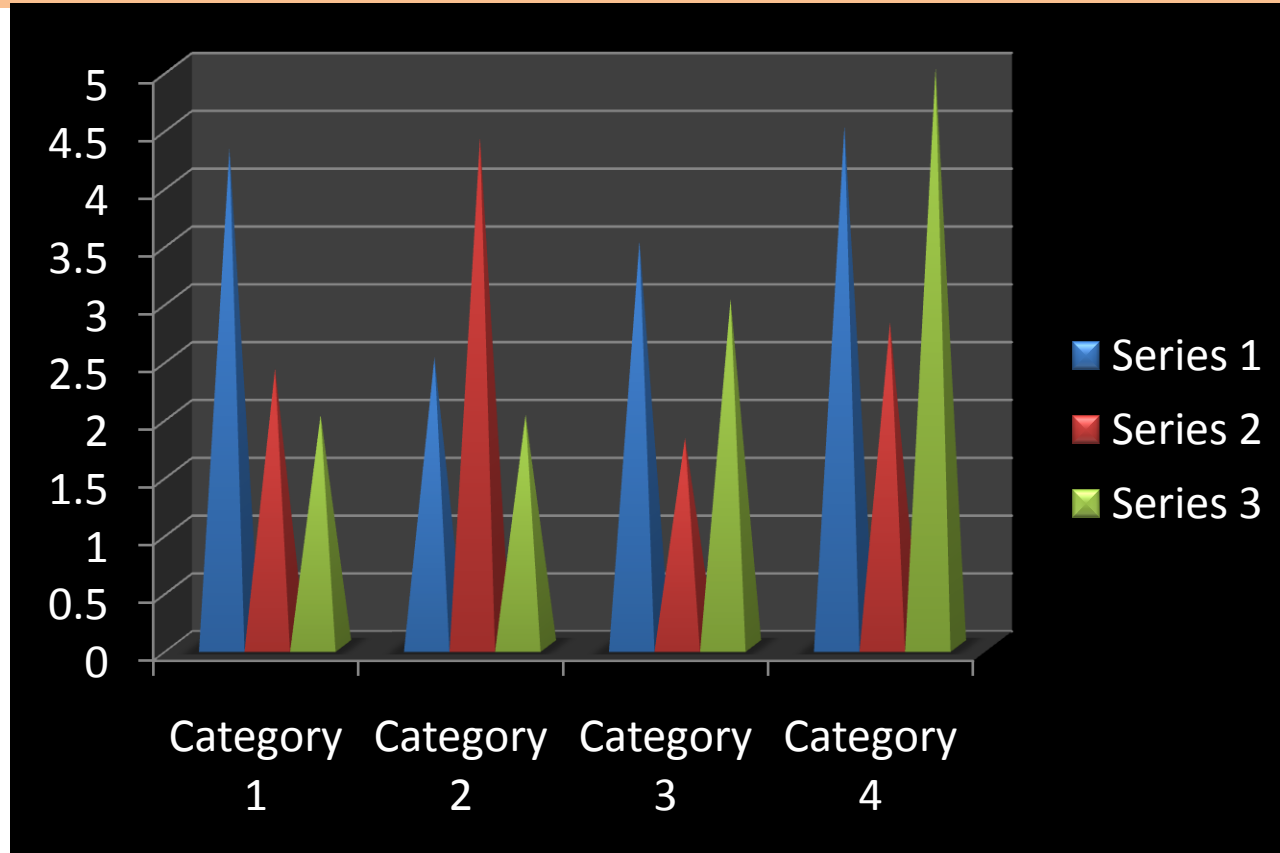
A CHART AND GRAPH

A chart is a graphical representation for data visualization ,in which the data is represented by symbols, such as bars in a bar chart line

DIFFERENCES BETWEEN CHARTS AND GRAPHS

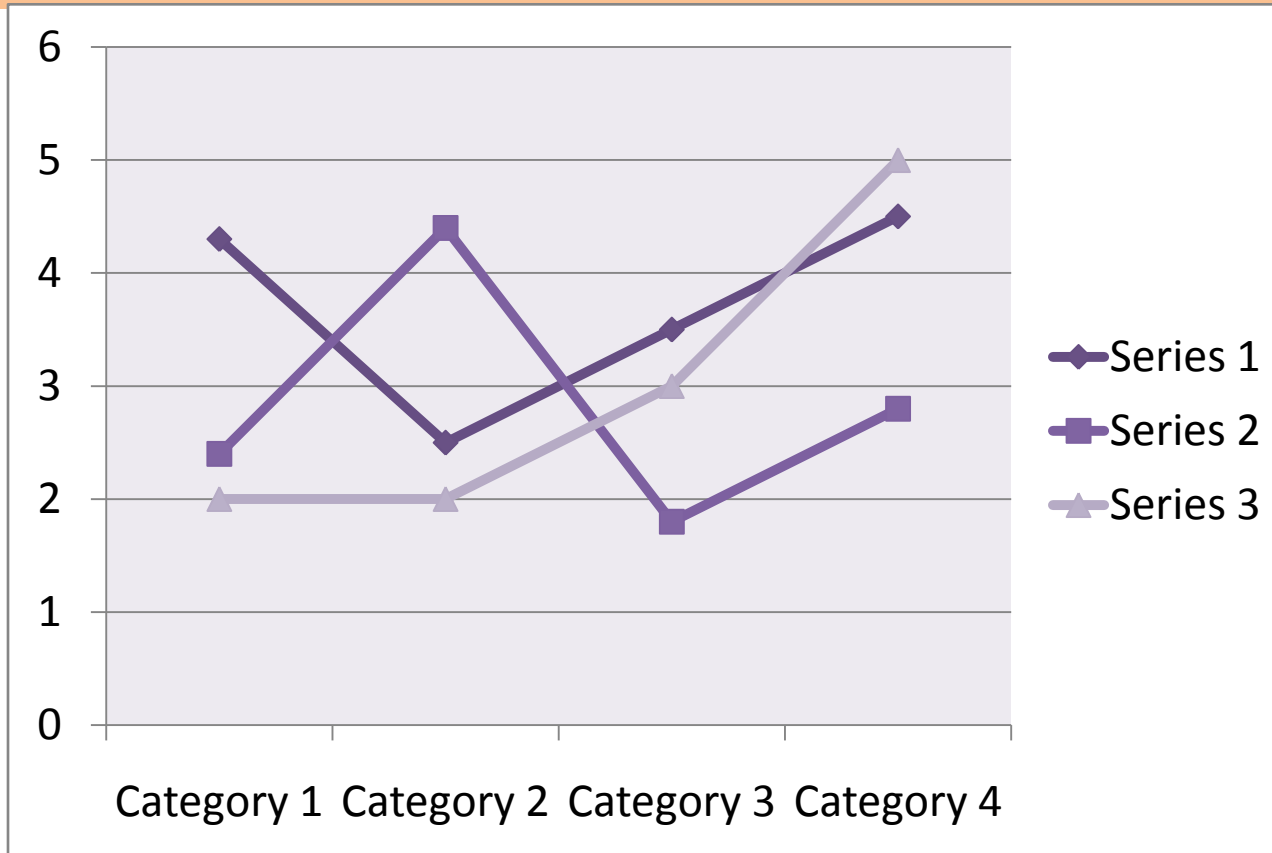
Understanding the significant differences between charts vs graphs in data visualization is essential for effectively communicating information

COLUMN



Charts simplify complex
,making it easier to
understand .

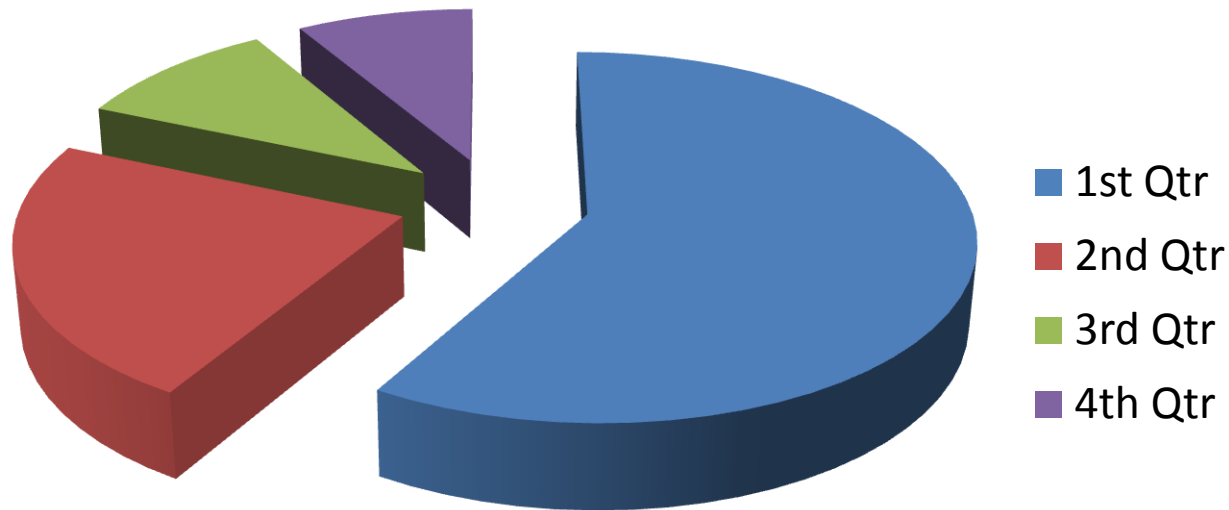
LINE



It follows trends over time ,make it perfect for time series analysis

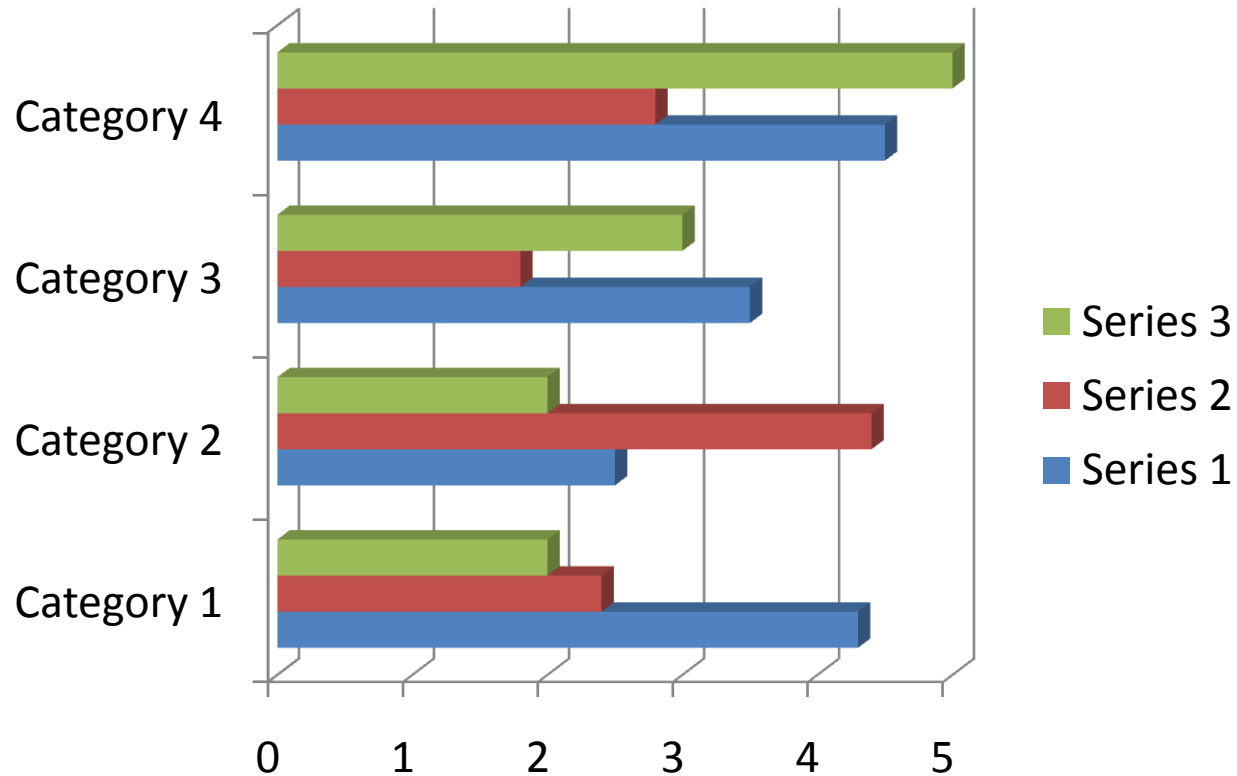
PIE

Sales



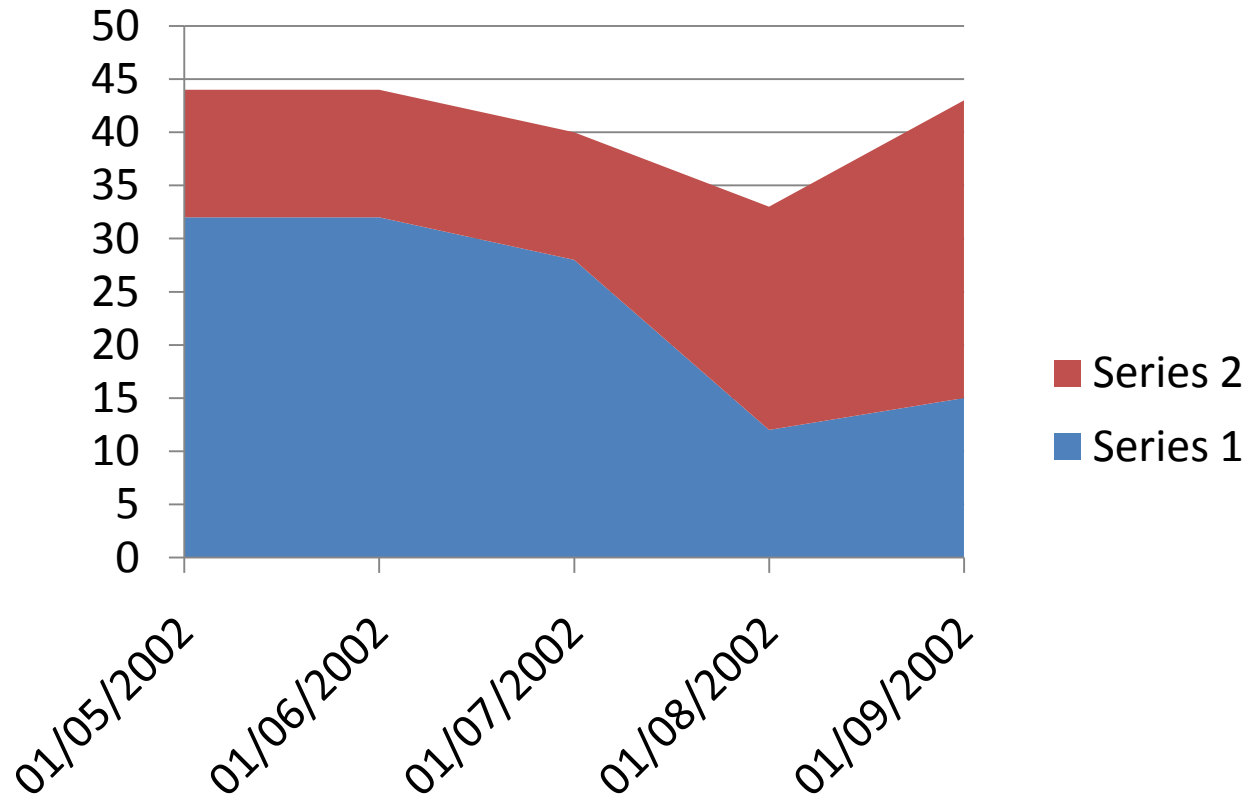
A circular chart divided into segments each representing a percentage of the whole, is mainly used to show percentage distribution and compare segments of a data set.

BAR



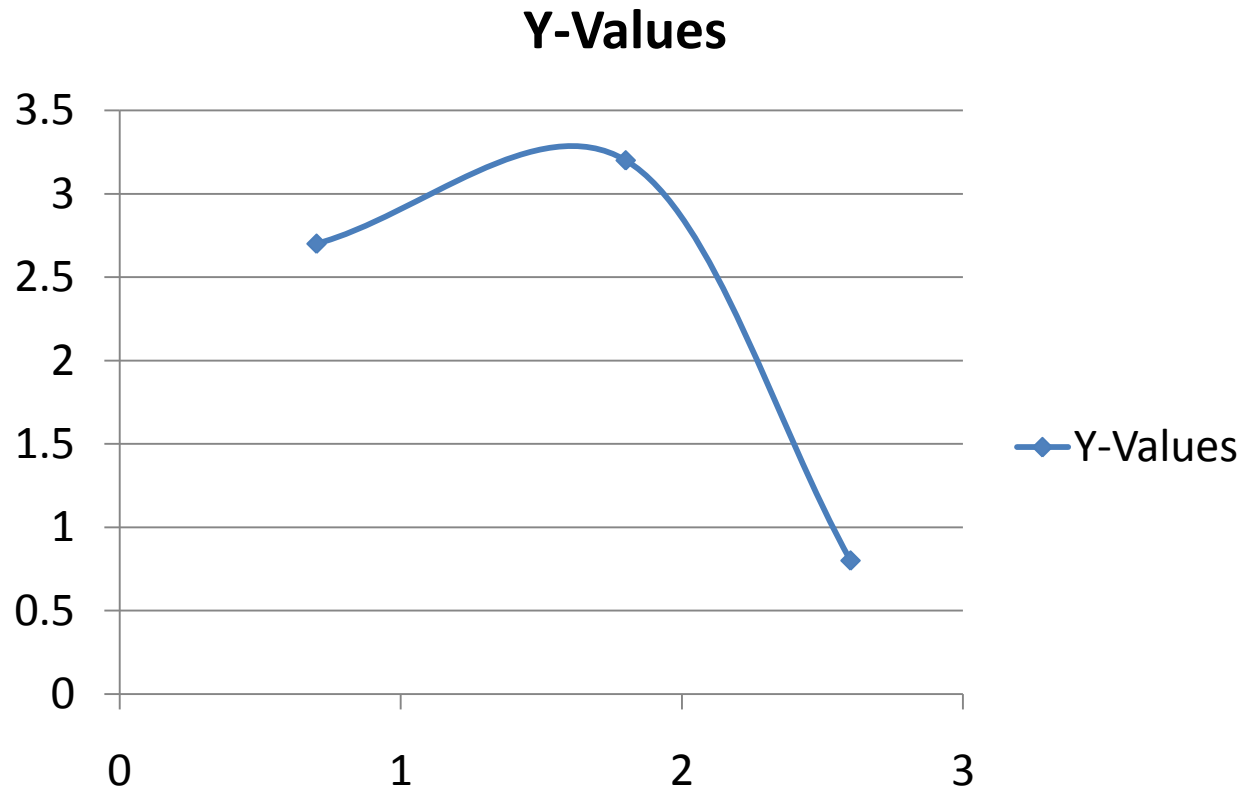
A bar graph can be defined as a bar chart focusing on variable relationships. However, this differentiation is uncommon in practice.

AREA



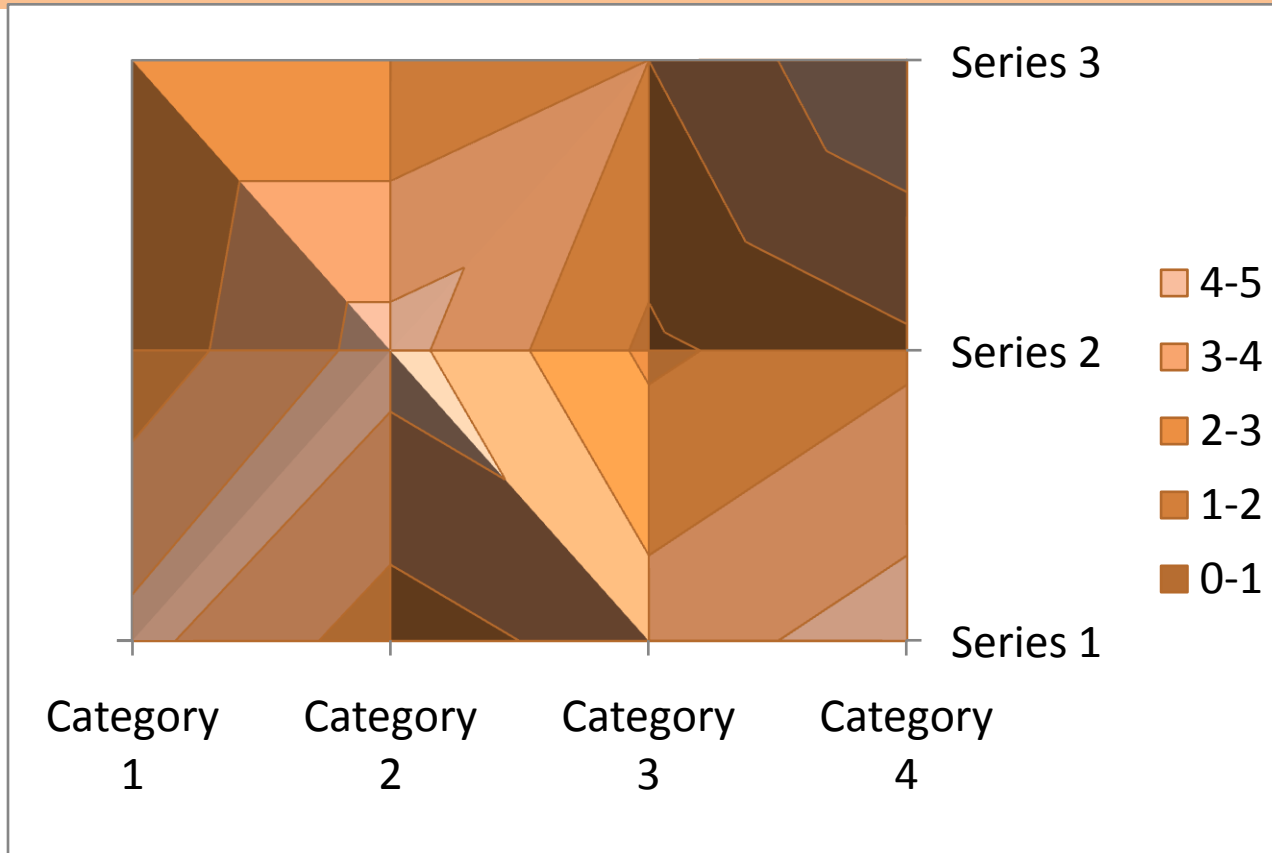
Highlights change over time by filling the area beneath the line

XY (scatter)



It shows the connections between variables , helping businesses analyze correlation to make informed decisions and drive strategic outcomes.

SURFACE



Surface grafting is a method of modifying the surface properties of a material by attaching polymer chains to it .

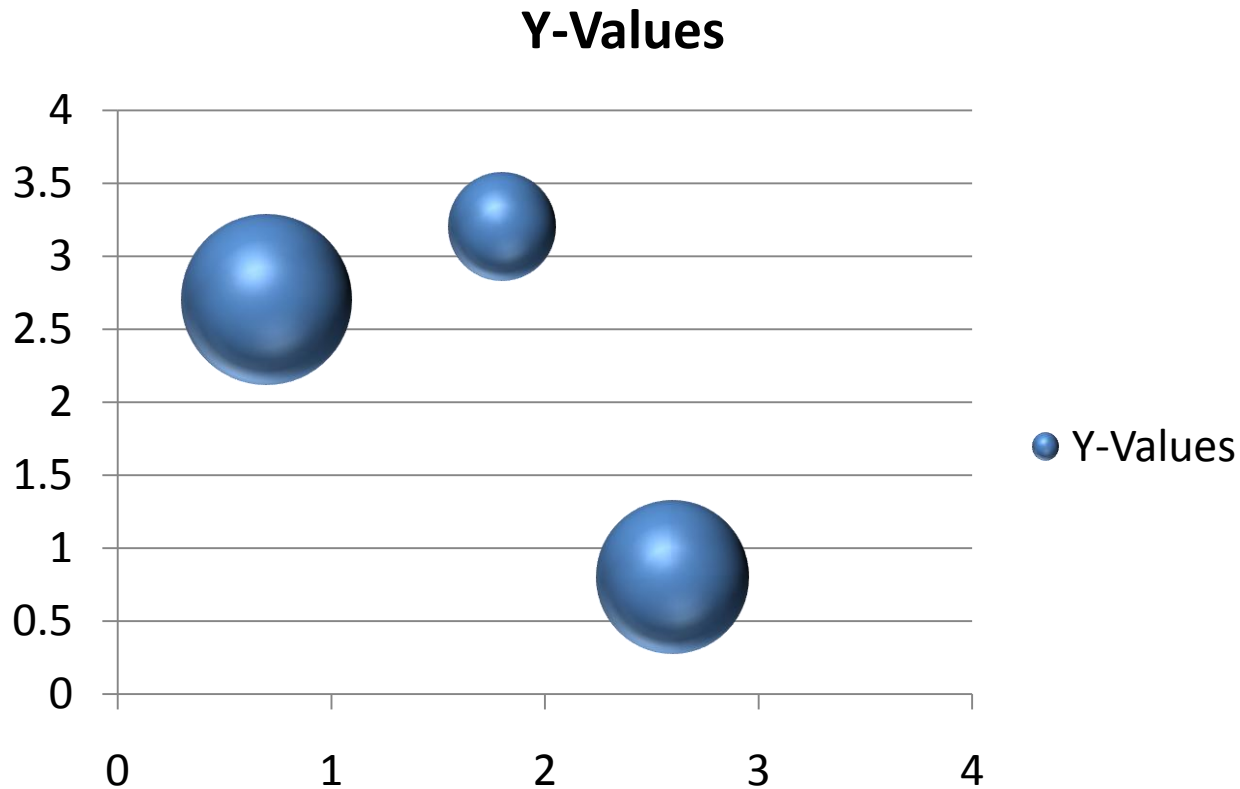
DOUGHNUT

Sales



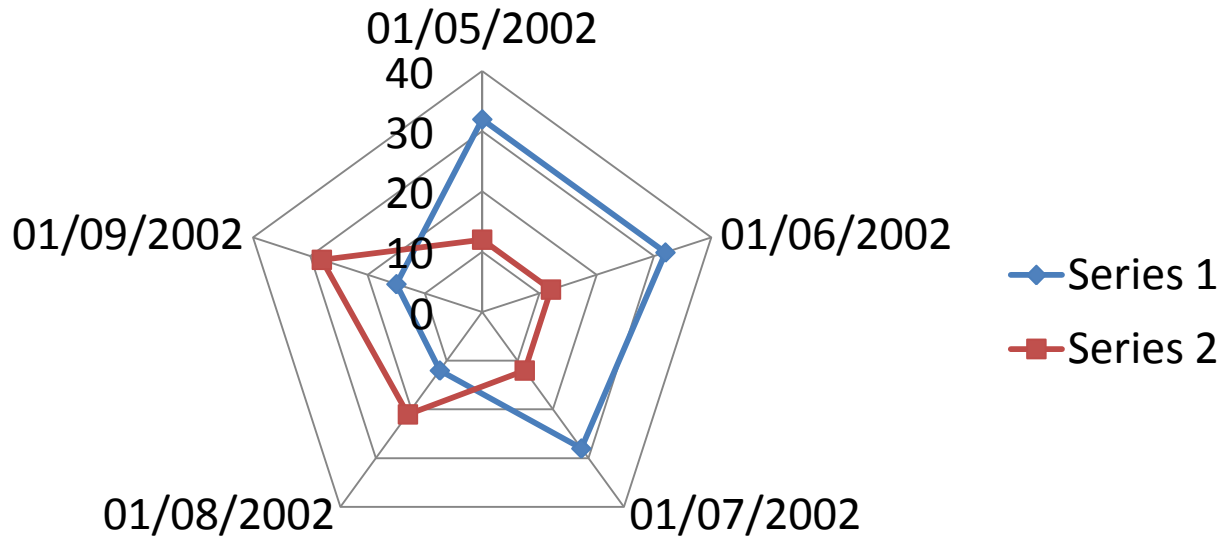
A donut chart ,also know as a doughnut chart , is a variation of a pie chart with a hole in the center.

BUBBLE



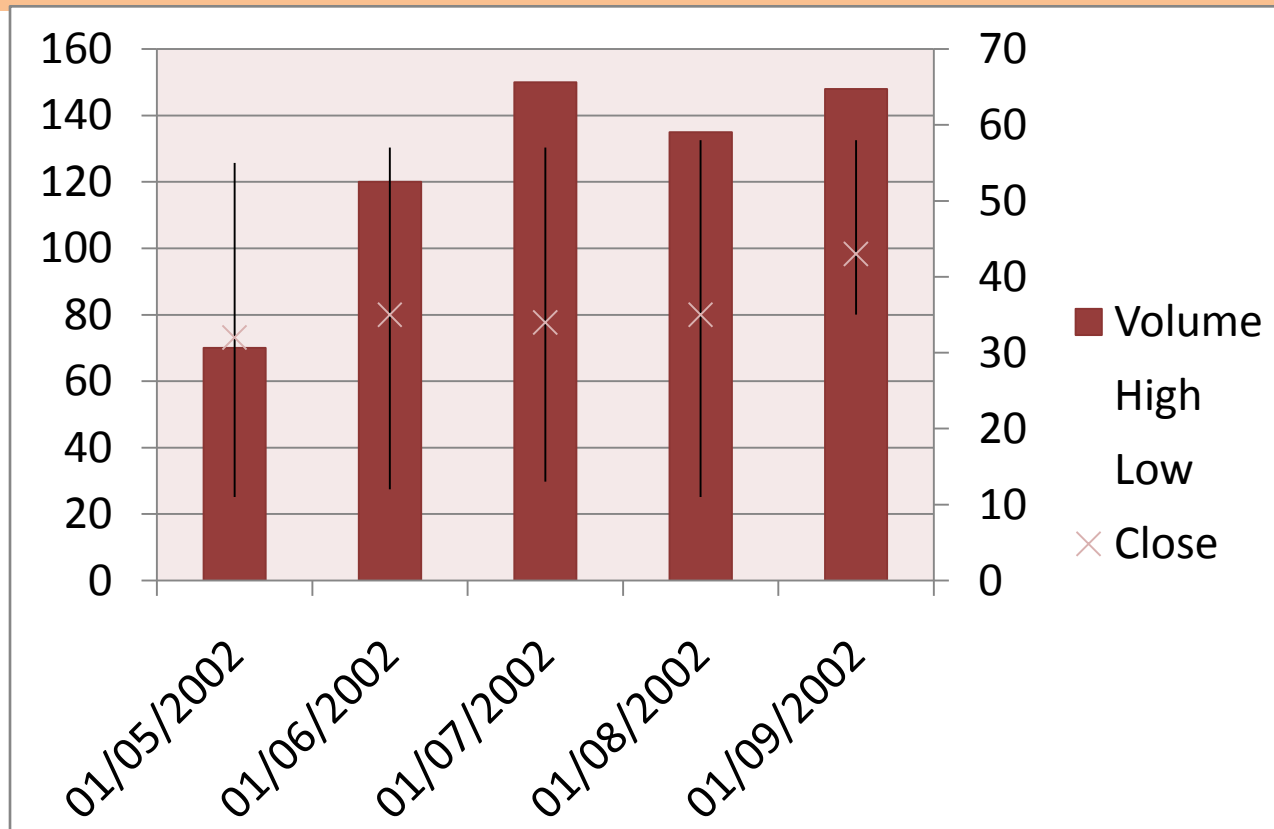
It visualizes three- dimensional data using bubbles of varied sizes .

RADAR



Radar graphs help compare multiple item across several characteristics.

STOCK



Stock chart is well suited for visualizing stock .
Financial , and other time based data . Based on the
super –fast am chart 5 engine it delivers a new level

CHART

A chart is a good means or aid of teaching ,instead of visiting the actual fields of a lesson in real life .the chart ,can bring such scene into class to be seen by learners , it facilitates the process of presentation in class



COMPUTAR

Computer science education or computing education is the field of teaching and learning the discipline of computer science, and computational thinking.



The image features a dark blue, monochromatic background filled with a dense pattern of leaves. The leaves are rendered in various shades of blue, from deep navy to a lighter, almost white-blue, creating a textured and layered effect. In the center of the image, the words "Thank you" are written in a white, elegant cursive script. The text is the focal point, standing out clearly against the dark, leafy backdrop.

Thank you