



Why Chord diagram?

- To visualize inter relationships between entities.
- Comparing similarities within the dataset or different groups of data.

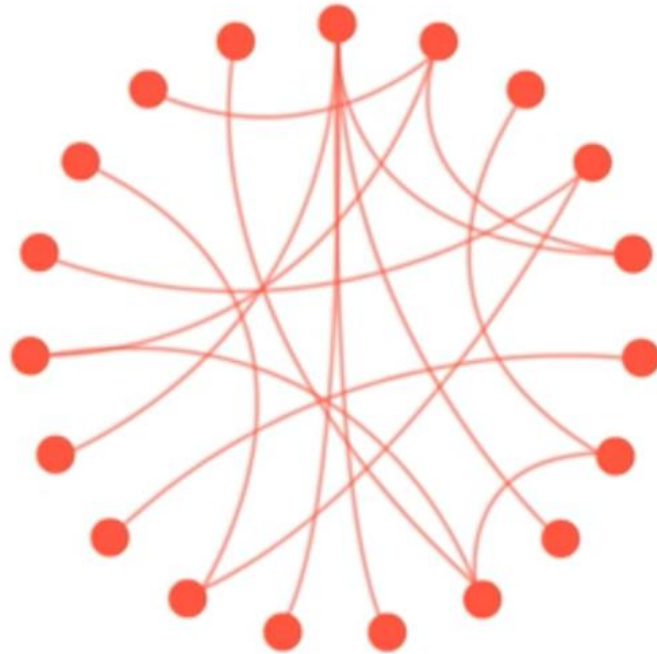


What is chord diagram?

- Basically a directed graph where nodes are arranged in circular fashion
- All those nodes are interconnected through arcs.



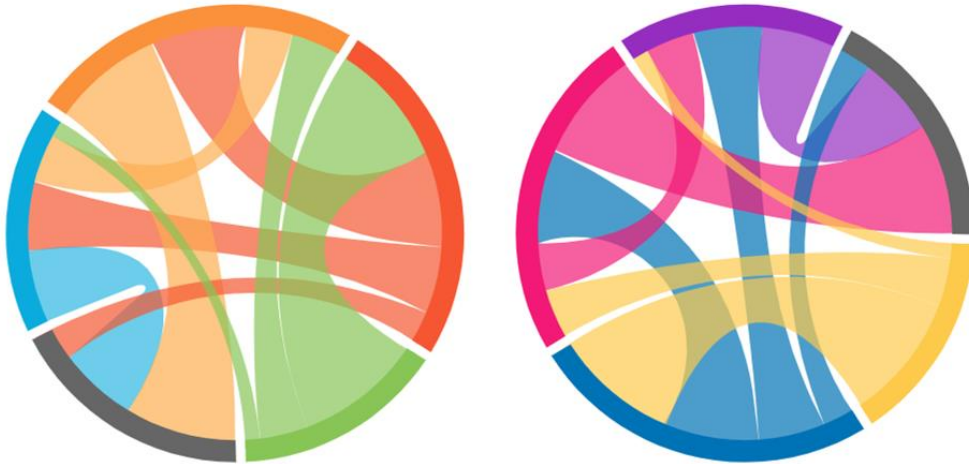
Cntd..





Cntd.

- But with weights assigned to each relationship.



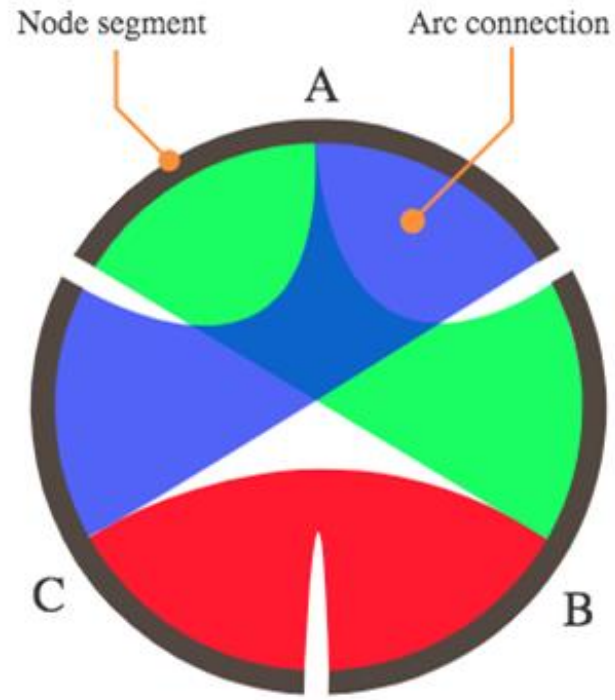
Example

	A	B	C
A		10	10
B	10		10
C	10	10	

$A \xrightarrow{10} B$

$B \xrightarrow{10} C$

$C \xrightarrow{10} A$





Where can be used?

- To visualize proportion of what they have in common.
 - Dependencies among a software class hierarchy
 - Migration flow within a country
 - Social network traffic
 - Import and export of resources



Pros & Cons

- In Small networks, emerging relationships can be seen easily if we look closely.
- But in large networks, it will look busy through network of lines.
- Over cluttering
- Complexity seen here is the reflection of underlying complexity



Tools to generate Chord diagram

- [Amcharts](#)
- Circos
- [R](#)
- Python
- D3