	Data Visualization
Description	• Analysis, modeling and visualization of data and large volumes of data (big data), with the aim of effective communication and understanding by their users. • Characteristics of the visual perception. • Visualization methods (eg line/bar/pie/area charts & graphs, scatter/bubble/polar/funnel plots, treemaps, etc.) for the visual representation of different categories of data. • Interactive visualization techniques. • Visual presentation techniques: Dataflow, Pivot tables, Animate Shift of Focus, Overview & detail, Semantic Zoom, Magic lens, etc. • Data stories creation issues. • Evaluation of interactive visualizations.
Learning Outcomes	After the course the student will be able to • utilize tools for the analysis of real-life data sets. • create interactive visualizations.