



SWE2011 - Big Data Analytics

Employee Turnover Analysis



Vishnupriya S
18MIS1022

Hadoop



N Pranitha
18MIS1095

Algorithms



B Priyanka
18MIS1097

Hive
Visualization



Agenda

 **Dataset Used**

 **Hadoop**

 **Hive**

 **Algorithms**

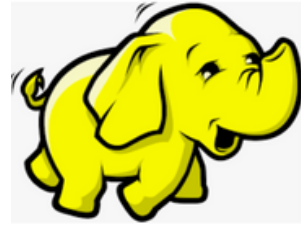
 **Visualization**

 **Analysis**

Dataset Used

<https://www.kaggle.com/aliu233/employee-turnover-prediction>

	A	B	C	D	E	F	G	H	I	J
1	satisfactio	last_evalu	number_p	average_n	time_spen	Work_acci	left	promotion	Departme	salary
2	0.38	0.53	2	157	3	0	1	0	sales	low
3	0.8	0.86	5	262	6	0	1	0	sales	medium
4	0.11	0.88	7	272	4	0	1	0	sales	medium
5	0.72	0.87	5	223	5	0	1	0	sales	low
6	0.37	0.52	2	159	3	0	1	0	sales	low



Hadoop

It is an open-source software framework for storing data and running applications



Hive

Hive allows users to read, write, and manage petabytes of data using SQL



Algorithms

Classification and Clustering Algorithm



Visualization

Tableau

- Bubble Plot
- Bar graph
- Pie chart
- Heatmap
- Treemap
- Histogram

