

1. Display Top 10 Rows of The Dataset
2. Check Last 10 Rows of The Dataset
3. Find Shape of Our Dataset (Number of Rows And Number Of Columns)
4. Getting Information About Our Dataset Like Total Number of Rows, Total Number of Columns, Datatypes Of Each Column And Memory Requirement
5. Fetch the Random Samples From The Dataset (50%)
6. Check Null Values in the Dataset
7. Perform Data Cleaning (Replace '?' with NaN)
8. Drop All The Missing Values in Dataset
9. Check The Duplicate Values And Drop Them
10. Get Overall Statistics About The DataFrame
11. Drop the Column 'educational-num', 'capital-gain', 'capital-loss'
12. Find the Most Common Education Level
13. Find Average Hours Worked for ">50K" Income
14. Percentage of Females in "Machine-op-inspct" Occupation
15. Find Out the Average Age for Each Occupation
16. Find Out the Most Common Race Among "Never-married"
17. Percentage of People with a College Degree or Higher
18. Find the Employee with the Highest "fnlwgt"
19. What is the Standard Deviation of "age"?
20. Create a New Column Named "age\_group" that Categorizes People into Young ( $\leq 30$ ), Middle-aged (31-60), and Senior ( $> 60$ )
21. Find All Employees Who Work More Than 50 Hours Per Week