

D) mode()

Ramaiah Institute of Technology (Autonomous Institute, Affiliated to VTU) Department of Computer Science & Engineering

Data Visualization with Python Lab(CSL48)

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USN: Semester:			Week #: 07
		Section:	Date:
	tructions:Implement the followingpic: Introduction to Pandas- Se	g programs using python languag eries	e.
Programs: Use the dataset: ds_salaries.csv			
1.	Which method is used to dis	splay basic information about a pan	das Series?
	A) describe()		
	B) info()		
	C) head()		
	D) summary()		
2.	Assign the employee_resider	nce column to the employee_reside	ence_series variable as a
	Series.		
3.	Create a Series from the exp	perience_level column and store the	first 10 elements in the
	experience_level_series_10	variable. (Write the required code.)	
4.	What does the len() function	return when applied to a Series?	
	A) The total number	of elements	
	B) The number of un	nique values	
	C) The number of no	on-null values	
	D) The memory size	of the Series	
5.	Find the unique values in co	mpany_size_series along with their	r counts, and store the results
	in the company_size_counts	_series variable. (Write the require	d code.)
6.	Which method calculates the	e average value of a Series?	
	A) median()		
	B) average()		
	C) mean()		

7. Calculate the mean, median, and standard deviation of salary_usd_series, and store these values as a Series in the salary details variable. (Write the required code.)

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Hint: salary_usd_series = df['salary_in_usd']
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- 8. What method would you use to count unique values in a Series?
 - A) nunique()
 - B) unique()
 - C) count values()
 - D) value counts()
- 9. Identify the top 5 most frequent job titles and store them in the top_5_job_titles variable. (Write the required code.)

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job_title_series = ... # Enter your code here
top_5_job_titles = ... # Enter your code here
```

- 10. Which method would you use to find the most frequent value in a Series?
 - A) mode()
 - B) frequent()
 - C) top()
 - D) most common()
- 11. Calculate the 25th, 50th, and 75th percentiles of salary_usd_series and store these values as a Series in the salary quartiles variable. (Write the required code.)
- 12. Which method is used to apply a function to every element in a Series?
 - A) transform()
 - B) map()
 - C) Both map() and apply()
 - D) apply()
- 12. Create a new Series, increased_salary, by applying a 10% increase to each salary in the salary usd series Series. (Write the required code.)
- 13. What does the operation series 1 > series 2 return?
 - A) A Series of boolean values
 - B) None of the above
 - C) An error
 - D) A single boolean value
- 14. Compare the increased_salary Series with the salary_usd_series element-wise to check for equality. Store the resultant boolean Series in a new Series called salary_compare_series. (Write the required code.)