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Problem

Scenario: A wildlife conservation organization is studying the impact of eucalyptus tree density on the population of koalas in a particular region. They have collected data on the number of eucalyptus trees per hectare and the corresponding koala population density in different areas within the region.



Using the provided data, perform linear regression analysis to model the relationship between eucalyptus tree density and koala population density. Determine the equation of the best-fit line and interpret the slope and y-intercept of the line in the context of the scenario. Use the regression model to predict the koala population density in an area with a specific eucalyptus tree density (provided by the user).

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Drag from here

Drop blocks here

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df = pd.DataFrame(data)

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model.fit(x, y)

r_squared = r2_score(y, y_pred)

feedback

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11    private Position head;
12    private char direction = 'R'; // Right
13

```



The question is saved successfully.
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Data collection and integration

Placeholder text for the main content area.

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Function introduction

The following is

Contacts					
Contact Name	Company	Position	Email	Phone Number	Actions
Stephan Kingston	Netflix Au	Financial Advisor	Stephan@Netflix.com	+61 332 553 311	
Arlene Wilson	Johnson & Johnson	Account Executive	arlenewilson@gmail.com	+61 493 280 776	
Jason Zhu	Dell	Product Manager	Jason@Business.Dell.co	+61 433 553 122	
Philip Steward	Louis Vuitton	Content Marketing Manager	philipsteward@Louise.co.au	+61 419 603 987	
Jennie Cooper	Starbucks	Marketing Coordinator	jenniecooper@gmail.com	+61 493 077 564	
Evan Florence	Louis Vuitton	Project Manager	evanflores@gmail.com	+61 449 032 311	

Simple way to manage your contacts

Background description of contacts usually involves the part of a system used to manage and maintain contact information between users or enterprises

This includes the types of tasks and how they are as

It is suitable for tasks with high real-time requirements and short time consuming, such as state saving and data compression. This type of task usually needs to be completed in a

Tasks			
Current Deals	Miscellaneous List	Week's ToDo list	Done
Green Deal Green Deal currently in t... Server Consultation Discuss the hosting cost ... Server Consultation	Plan Halloween Event Plan for Halloween Event Collaboration Event Plan End Of Year Ev... Plan Event For Christmas Collaboration Event	Update Contacts Update weekly contact in... Meet with Client Meet with Client to discu...	 Click to add card
\$40K	\$0.9M	\$0.9M	\$1.9M
Hardware Deal Discuss the content of th... Hardware acquisition	Click to add card	Click to add card	Click to add card



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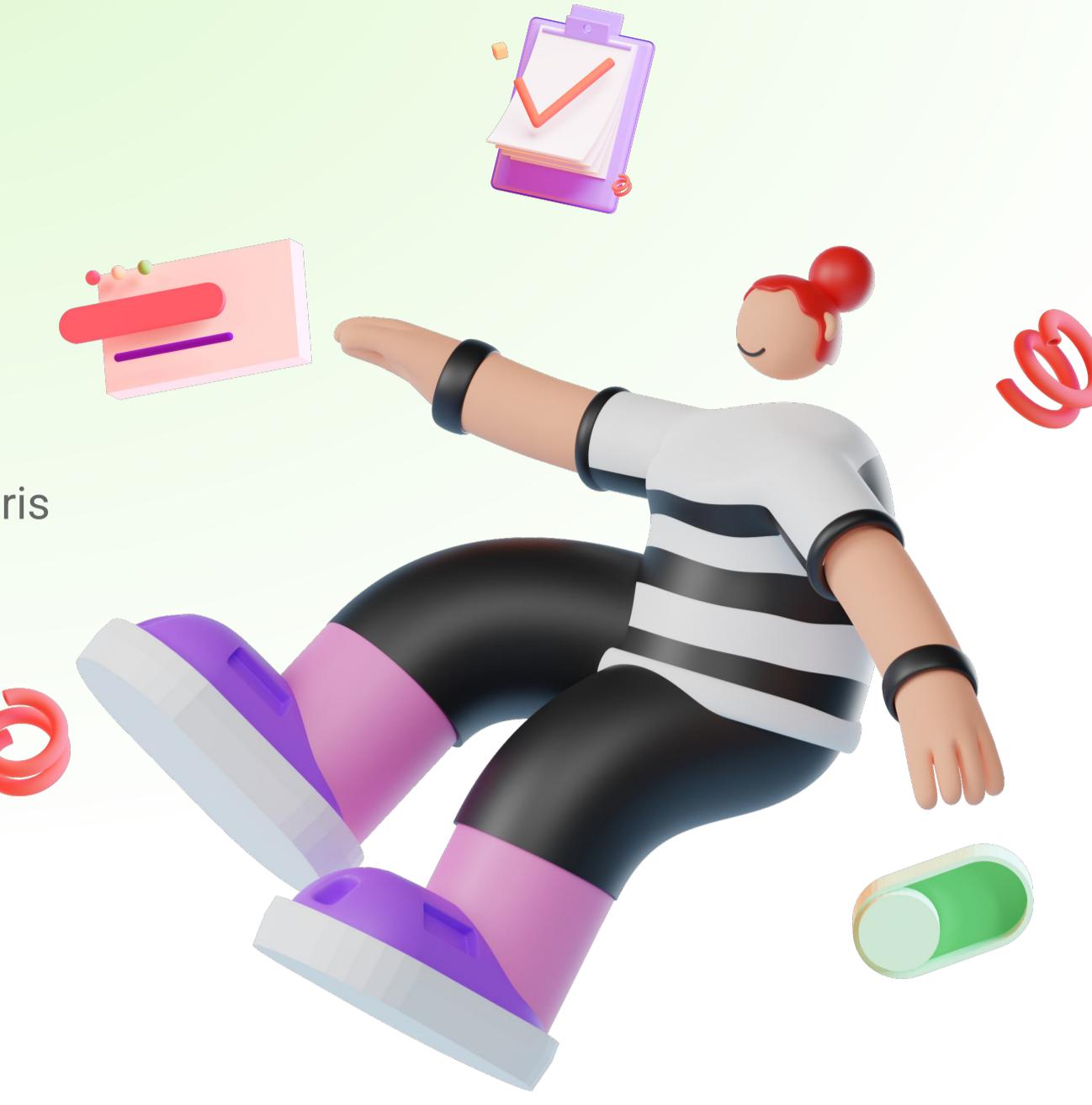
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Data collection and integration

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Data collection and integrated storage and processing

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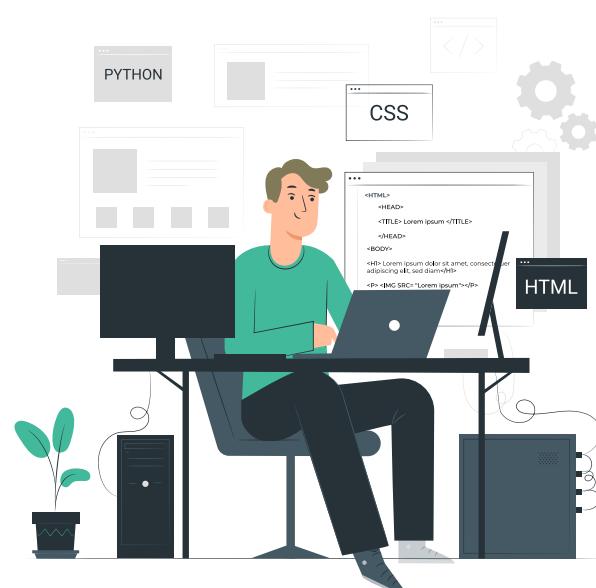




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Mon Tue Wed Thu Fri Sat Sun



Ip address	Preference	Answer Time	Weekly Activity	Monthly Activity
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301252325	linear regression	1000mins	85	80
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321036520	linear regression	800mins	74	79
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302458152	linear regression	762mins	70	70
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300025412	linear regression	400mins	65	65
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365201201	linear regression	320mins	52	50
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365201325	linear regression	298mins	45	20
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Code

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Check1 passed

Check2 passed

Check3 passed

Check4 passed

Check5 passed

Check6 passed



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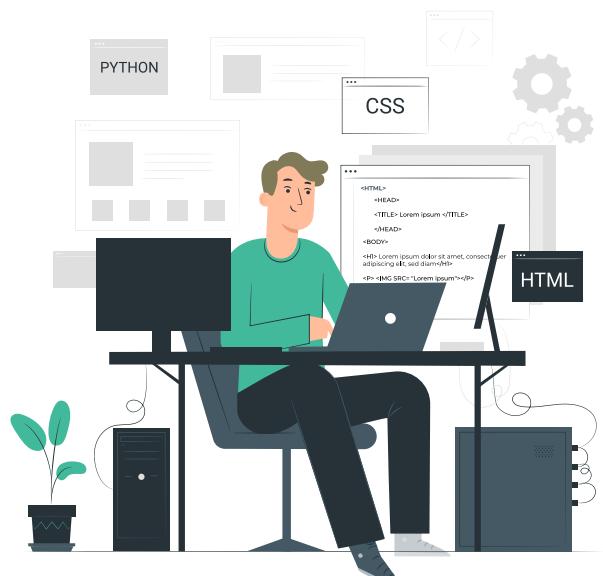
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Check1 passed

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Check4 passed

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85% uncompleted



77% uncompleted

Correlation

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100% complete



77% uncompleted

Reading/Writing CSV files



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100% complete

NMI

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85% uncompleted

Linear Regression



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Decision Tree Classifier

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DataFrame

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77% uncompleted



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Linear Regression

Woolworths Sales Data Analysis (Row and Column Indexing)

Linear Regression

McDonald's Product Rating Data Cleaning (Handling Missing Data)

Linear Regression

Product Data Integration after Acquisition (Data Integration)

Linear Regression

Obesity Survey Data Cleaning (Data Cleaning)

Linear Regression

Securities Company Financial Data Analysis (Exploratory Data Analysis - EDA)

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Check6 passed



Completion progress feedback

timer: **3:00:25**

answer times: **2:00:09**

accuracy: **95%**