Data Analysis Report

Report Information

Generated on: 2025-07-14 14:31:00

Analysis performed by: Automated Report Generation System

Data Overview

id	name	age	department	position
1	John Smith	32	Engineering	Senior Developer
2	Emily Johnson	28	Marketing	Marketing Specialist
3	Michael Williams	45	Engineering	Tech Lead
4	Sarah Brown	36	Marketing	Marketing Manager
5	David Jones	29	HR	HR Associate

Basic Statistics

id	age	salary	performance_score	projects_completed
150.0	150.0	150.0	150.0	150.0
75.5	33.906666666666666	91046.66666666667	4.418	11.08
43.445367992456916	5.102107298110434	15759.661643672509	0.2856923769164798	4.045911018936818
1.0	26.0	65000.0	3.8	4.0
38.25	29.0	78250.0	4.2	8.0
75.5	33.0	92000.0	4.4	11.0
112.75	38.0	99000.0	4.7	14.0
150.0	45.0	145000.0	4.9	20.0

Missing Values

id   0

name   0

age   0

department   0

position   0

salary   0

join_date   0

performance_score   0

skills   0

projects_completed   0

is_remote   0

dtype: int64

Value Counts for 'name'

name

John Smith   1

Alan Diaz   1

Johnny Myers   1

Lori Ford   1

Philip Graham   1

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Eric Bell   1

Michelle Murphy   1

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Stephen Bailey   1

Laura Cooper   1

Kristin Bowers   1

Name: count, Length: 150, dtype: int64

Correlation Matrix

id	age	salary	performance_score	projects_completed
1.0	0.03524306282747215	0.06864967655292667	0.013869441355302424	-0.014585364507216125
0.03524306282747215	1.0	0.8525912808242629	0.9293911838601903	0.9376940125988019
0.06864967655292667	0.8525912808242629	1.0	0.9302598553350558	0.9416744108345281
0.013869441355302424	0.9293911838601903	0.9302598553350558	1.0	0.975363884153539
-0.014585364507216125	0.9376940125988019	0.9416744108345281	0.975363884153539	1.0
-0.1110460027225395	-0.698985226343125	-0.681879566563443	-0.725139723453875	-0.7014248721140082

Completion Certificate

This is to certify that the internship project

"Automated Report Generation System"

has been successfully completed.

Certificate will be issued on your internship end date.

CodTech