7COM1079-2024 Student Group No: A329

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Dataset ID: DS324

This dataset enables us to quantify player contributions beyond scoring, offering insights into offensive dynamics like assists and their impact on team performance.

Our Independent variable is: Assists (AST)

Our Dependent variable is: Points (PTS)

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Our Research Question is

Template [1]: Interval/Ordinal vs Interval/Ordinal: "Is there a correlation between assists (AST) and points scored (PTS) in NBA players during the 2018–2019 season?".

[1]**Correlation** (Analysis of how ordinal/interval dependent var correlates to an ordinal/interval independent variable)
[2]**Comparison of means** (or medians): Analysis of the difference between the mean (or median) value of a characteristic shared by members of two different populations.
[3]**Comparison of proportions:** Analysis of the difference in proportions of a characteristic shared by members of two different populations.

Hypothesis:

1. Null hypothesis (H_o): There is no correlation between assists (AST) and points scored (PTS).

2. Alternative hypothesis (H_1); There is a correlation between assists (AST) and points scored (PTS).

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Dataset:

Player	Team	Positions	PTS	REB	AST	BLK	STL	FG%	FT%	3PM	GP	MIN	TO
James Harden	HOU	PG,SG	2458	465	570	52	151	0.45	0.87	299	79	2825	368
Stephen Curry	GSW	PG,SG	2222	424	454	25	117	0.47	0.92	402	77	2607	238
Giannis Antetokounmpo	MIL	SF,PF	2176	923	457	118	101	0.56	0.75	61	76	2664	246
Damian Lillard	POR	PG	2147	339	554	29	89	0.44	0.91	248	80	2920	213
Anthony Davis	LAL	PF,C	2117	852	230	191	122	0.53	0.81	67	74	2694	164
Bradley Beal	WAS	SG	2064	403	423	46	113	0.47	0.8	213	79	2859	199
LeBron James	LAL	SF,PF	2006	635	627	51	98	0.54	0.72	145	74	2648	281
Karl-Anthony Towns	MIN	C	2003	984	256	126	67	0.53	0.85	146	80	2766	220
Devin Booker	PHO	PG,SG	1936	304	411	18	66	0.46	0.86	168	73	2569	264
Donovan Mitchell	UTH	PG,SG	1918	334	323	33	119	0.44	0.82	201	79	2708	217
Kemba Walker	BOS	PG	1864	306	468	29	96	0.45	0.85	240	80	2719	182
Kawhi Leonard	LAC	SG,SF	1833	496	251	50	124	0.5	0.87	142	70	2389	140
Kyrie Irving	BKN	PG,SG	1780	283	468	25	91	0.48	0.88	190	73	2395	185
Joel Embiid	PHI	PF,C	1777	867	240	129	46	0.49	0.79	81	68	2187	238
DeMar DeRozan	SAS	SG,SF	1760	417	414	29	84	0.47	0.83	54	78	2666	181
CJ McCollum	POR	PG,SG	1722	330	264	33	68	0.46	0.85	190	78	2788	133
LaMarcus Aldridge	SAS	PF,C	1684	691	170	96	42	0.51	0.85	18	78	2594	132
Russell Westbrook	HOU	PG	1670	676	656	29	133	0.45	0.73	125	74	2627	326
Jimmy Butler	MIA	SG,SF	1660	433	383	47	139	0.46	0.86	117	76	2635	129
Paul George	LAC	SF,PF	1654	507	276	30	130	0.45	0.84	243	69	2493	177
Jrue Holiday	NOR	PG,SG	1642	371	471	59	117	0.48	0.78	143	77	2690	216
Luka Doncic	DAL	PG,SG,PF	1638	552	475	25	89	0.44	0.76	176	76	2446	250
Blake Griffin	DET	PF,C	1603	515	367	24	47	0.45	0.77	151	69	2355	202
Nikola Jokic	DEN	PF,C	1599	889	573	61	103	0.51	0.84	107	78	2585	226