

How Player Height Affects the NBA - Summary of Findings

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Statistical Findings

DATA ANALYSIS

What is the average height of players in the NBA?

- Mean = 78.87 inches (around 6' 6")
- Median = 79 inches (6' 7")
- Mode = 81 inches (6' 9")
- Across the three seasons analyzed there were 81 players in all that were 81 inches tall (6'9")
- Average male height in US = 5'9" ([CDC, 2021](#))

* All Analysis pearsonr correlations and p-values are included in the pdf of the presentation

Key for translating height (in) to feet and inches

69 in = 5' 9"	79 in = 6' 7"
70 in = 5' 10"	80 in = 6' 8"
71 in = 5' 11"	81 in = 6' 9"
72 in = 6'	82 in = 6' 10"
73 in = 6' 1"	83 in = 6' 11"
74 in = 6' 2"	84 in = 7'
75 in = 6' 3"	85 in = 7' 1"
76 in = 6' 4"	86 in = 7' 2"
77 in = 6' 5"	87 in = 7' 3"
78 in = 6' 6"	

Summary

Height does not have an affect points or salary, but can affect the amount of rebounds

The data does not suggest taller players score more points

The data shows taller players grab more rebounds, this to be true with a moderate positive correlation

Taller players have less assists than smaller players, showing a negative correlation (an almost moderate negative correlation)

There is no correlation with height and salary, the linear regression line is fairly flat

Performance (Pts, Reb, Ast) are correlated with salary all have at least moderate correlation with salaries (Points has the highest, strong correlation to salaries, assists next highest, then rebounds)

Factors not analyzed for Performance vs. Salary could be analyzed such as minutes played (which would be high for players scoring lots of points), that may influence results. Assists vs. Salary and Rebounds vs. Salary could be higher for high scorers due to more time played, as an example.