

# Saving Tables

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Variables

Table 1: Variable Descriptions

Abbreviation	DataSet	Meaning	Description
FG	Players	2 Point Shots	Percentage of 2 Pointers Made Throughout Season
X3PT	Players	3 Point Shots	Percentage of 3 Pointers Made Throughout Season
FT	Players	Free Throws	Percentage of Free Throws Made Throughout Season
ORB	Players	Offensive Rebounds	Average Number of Offensive Rebounds Made per Game
DRB	Players	Defensive Rebounds	Average Number of Defensive Rebounds Made per Game
TRB	Players	Total Rebounds	Average Number of Total Rebounds Made per Game
AST	Players	Assists	Average Number of Assists Made per Game
STL	Players	Steals	Average Number of Steals Made per Game
BLK	Players	Blocks	Average Number of Blocks Made per Game
PTS	Players	Points	Average Number of Points Made per Game
W.L	Games	Win or Loss	Whether NAU Wins or Losses the Game
OFF	Games	Offensive Rebounds	Number of Offensive Rebounds Made that Game
DEF	Games	Defensive Rebounds	Number of Defensive Rebounds Made that Game
TOT	Games	Total Rebounds	Number of Total Rebounds Made that Game
AVG	Games	Average Rebounds	The Running Average of Rebounds Made for Games that Year
FGM.A	Games and Team Stats	2 Pointers Made to Attempted	The Number of 2 Pointers Made to the Number that was Attempted
PCT	Games and Team Stats	2 Pointer Percentage	The Number of 2 Pointers Made Over The Number of 2 Pointers
X3FG.A	Games and Team Stats	3 Pointers Made to Attempted	The Number of 3 Pointers Made to the Number that was Attempted
FTM.A	Games and Team Stats	Free Throws Made to Attempted	The Number of Free Throws Made to the Number that was Attempted
PTS	Team Stats	Total Points	Total Points Scored that Season
PPG	Team Stats	Points Per Game	Average Points per Game
SM	Team Stats	Scoring Margin	Difference between NAU's and Opponent's Average Points Per Game
FGG	Team Stats	2 Pointers Per Game	Average 2 Pointers Made Per Game
X3P	Team Stats	3 Pointer Percentage	The Number of 3 Pointers Made Over The Number of 3 Pointers
X3A	Team Stats	3 Pointers Per Game	Average 3 Pointers Made Per Game
FTP	Team Stats	Free Throw Percentage	The Number of Free Throws Made Over The Number of Free Throws
FTA	Team Stats	Free Throws Per Game	Average Free Throws Made Per Game
ATT	Team Stats	Total Attendance	Total Number of People at Attendance for NAU Games
PG	Team Stats	Attendance Per Game	Average Attendance at Away Games to Average Attendance at Home Games
ATR	Team Stats	Assist Turnover Ratio	Number of Assists Recorded by Team Over Number of Turnovers Committed
POT	Team Stats	Points Off Turnovers	Percentage of Points scored by Team After Forcing Turnover

Players Data Set

Table 2: Sample Output of Players Data Set

	<b>McLaughlin, Trent</b>	<b>Glancey, Sophie</b>	<b>Johnson, Torry</b>	<b>Galloway, Jenna</b>
Year	2024	2024	2016	2011
Team	Mens	Womens	Mens	Womens
Jersey	24	12	0	13
GP	32	31	29	29
MIN	34.8	25.8	29.1	19.4
FG	0.402	0.528	0.455	0.448
X3PT	0.329	0.500	0.349	0.375
FT	0.769	0.722	0.657	0.618
ORB	0.4	2.8	0.8	0.8
DRB	2.8	4.4	1.9	1.6
TRB	3.2	7.2	2.6	2.4
AST	2.0	0.8	1.6	1.0
STL	1.4	0.6	0.6	0.5
BLK	0.2	1.1	0.1	0.1
PTS	16.7	15.2	9.3	5.3

Games Data Set

Table 3: Sample Output of Games Data Set

	at UConn	at Southern Utah	at Oregon	vs Portland State
Year	2024	2016	2024	2011
Team	Mens	Mens	Womens	Womens
Date	11/06/23	01/09/16	11/06/23	01/22/11
Score	52-95	73-63	48-81	48-56
W.L	L	W	L	L
FGM.A	20-59	26-59	20-69	19-69
PCT	0.563	0.882	0.600	0.500
X3FG.A	3-15	6-16	5-29	3-21
FTM.A	9-16	15-17	3-5	7-14
OFF	9	13	18	15
DEF	18	31	21	31
TOT	27	44	39	46
AVG	27.0	37.0	39.0	35.3

Team Stats Data Set

Table 4: Sample Output of Team Stats Data Set

	<b>Mens 2024</b>	<b>Mens 2016</b>	<b>Womens 2024</b>	<b>Womens 2013</b>
Stats	14-18, 7-11	5-25, 3-15	23-8, 15-3	8-21, 7-13
PTS	2205	2054	2352	1780
PPG	68.9	68.5	75.9	61.4
SM	-8.0	-12.8	5.9	-6.2
FGM.A	800-1830	699-1747	852-2013	670-1677
PCT	0.437	0.400	0.423	0.400
FGG	25.0	23.3	27.5	23.1
X3FG.A	201-646	220-650	244-703	119-438
X3P	0.311	0.338	0.347	0.272
X3A	6.3	7.3	7.9	4.1
FTM.A	404-579	436-619	404-520	321-464
FTP	0.698	0.704	0.777	0.692
FTA	12.6	14.5	13.0	11.1
ATT	7258	14823	6474	4472
PG	12-605	12-1,235	13-498	14-319
ATR	1.1	1.0	1.2	0.8
POT	11.5	14.4	16.9	13.7
Coach	Shane Burcar	Jack Murphy	Loree Payne	NA

## Points Table

Table 5: Points Scored by NAU Womens Team for each Year

<b>Year</b>	<b>Team</b>	<b>Total_Points</b>
2024	Womens	2352
2023	Womens	2615
2022	Womens	2258
2021	Womens	2064
2020	Womens	2239
2019	Womens	2115
2018	Womens	2074
2017	Womens	2088
2016	Womens	1956
2015	Womens	1868
2014	Womens	2111
2013	Womens	1780
2012	Womens	1924
2011	Womens	1852

Table 6: Points Scored by NAU Mens Team for each Year

<b>Year</b>	<b>Team</b>	<b>Total_Points</b>
2024	Mens	2205
2023	Mens	2581
2022	Mens	2161
2021	Mens	1390
2020	Mens	2128
2019	Mens	2262
2018	Mens	2100
2017	Mens	2218
2016	Mens	2054

Games Scored Over 100 Pts

Table 7: Games When we Scored Over 100 Points

Year	Team	Home_or_Away	Opposing_Team	NAU_Score	Their_Score
2023	Mens	Home	Benedictine Mesa	105	49
2023	Mens	Away	Southern Utah	101	106
2022	Mens	Home	Embry-Riddle (AZ)	101	54
2020	Mens	Home	SAGU American Indian	105	32
2024	Womens	Home	South Dakota St.	102	110
2023	Womens	Away	California Baptist	110	104
2023	Womens	Home	Park (AZ)	111	44
2022	Womens	Home	Grand Canyon	108	77
2020	Womens	Home	Sacramento St.	114	107
2018	Womens	Home	Antelope Valley	104	49
2017	Womens	Home	Antelope Valley	109	60

# P-Value Tests

```
##
## Attaching package: 'reshape2'

## The following object is masked from 'package:tidyr':
##
## smiths
```

Table 8: P-value Tests

variable	estimate	t_stat	p_value	intercept_estimate	intercept_t_stat	intercept_p_value
FG	-0.0391722	-2.3297039	0.0204495	0.4201570	31.717388	0
X3PT	-0.0276249	-1.2750063	0.2032407	0.2488926	14.580974	0
FT	-0.0231841	-0.7757212	0.4384919	0.6370579	27.055576	0
ORB	0.2538567	2.8762593	0.0042968	0.6809917	9.793635	0
DRB	0.2202938	1.1283761	0.2600144	1.8958678	12.326004	0
TRB	0.4765840	1.8206743	0.0695991	2.5719008	12.471243	0
AST	0.2909091	2.0216101	0.0440565	1.0636364	9.382013	0
STL	0.2365932	3.7769775	0.0001895	0.4760331	9.645883	0
BLK	0.0516529	1.5722902	0.1168808	0.1892562	7.312248	0
PTS	0.3453627	0.6181683	0.5369083	5.8132231	13.207208	0