NCAA Women's Division I Advanced Stats Cheat Sheet

Introduction

This document will review most of the standard and advanced team metrics that are available via Pivot Analysis' tools as well as many other sites or applications. The importance (correlation with winning) of many of these factors are included in the Advanced Stats Season Review published by Pivot Analysis. These two documents, used in conjunction, can provide a clear path for team analysis and understanding how and why a team was successful.

Overview of percentiles

Offensive Metrics	Defensive Metrics	Elite (90th Percentile)
All percentiles based on 2019/2020 final metrics		Above Average (75th Percentile)
All metrics are adjusted to remove "garbage time"		Average (50th Percentile)
Shot profile numbers are based on Pivot Analysis's shot categories in the lineup explorer		Below Average (25th Percentile)
Each section's importance is shown in the 19/20 Review		Poor (10th Percentile)

Other Resources

Four Factors: www.pivotanalysis.com/post/what-are-four-factors-basketball
Offensive/Defensive Ratings: www.pivotanalysis.com/post/offensive-and-defensive-ratings

Scoring Efficiency + Pace

Points Per 100 Possessions	Points Per 100 Possessions (Opp)	Net Rating Per 100	Possessions Per 40 mins
106.952	87.356	16.372	71.110
100.852	91.216	8.319	69.163
95.383	95.508	0.258	67.203
89.366	99.358	-8.680	65.527
83.689	104.210	-17.093	63.858

Overall Metrics for Offense / Defense / Net / Pace

Points Per Shot(w/FTs)	Points Per Shot(w/out FTs)	Points Per Shot(w/FTs) (Opp)	Points Per Shot(w/out FTs) (Opp)
1.207	0.993	1.000	0.822
1.145	0.939	1.048	0.868
1.087	0.894	1.099	0.901
1.037	0.850	1.143	0.937
0.976	0.803	1.184	0.967

Scoring Efficiencies with and without Free Throws (Offense / Defense)

Four Factors (Offense/Defense/Net)

Effective Field Goal %	Offensive Rebound Rate	Turnover %	Free Throw Rate
49.65%	37.25%	16.22%	23.85%
46.97%	34.55%	17.46%	21.55%
44.71%	31.37%	19.21%	19.27%
42.52%	28.66%	21.18%	17.27%
40.17%	25.89%	22.71%	15.38%

Offensive Four Factors Metrics

Effective Field Goal % (Opp)	Offensive Rebound Rate (Opp)	Turnover % (Opp)	Free Throw Rate (Opp)
41.09%	27.23%	22.95%	15.49%
43.38%	29.11%	21.03%	16.91%
45.05%	31.49%	19.22%	19.27%
46.87%	34.16%	17.30%	21.82%
48.36%	36.19%	16.10%	24.21%

Defensive Four Factors Metrics

Net EFG	Net ORR	Net TOV	Net FTR
7.52%	8.13%	5.09%	5.42%
3.07%	3.97%	2.57%	3.49%
-0.22%	-0.15%	-0.11%	-0.01%
-3.82%	-4.49%	-2.52%	-3.54%
-7.03%	-7.55%	-5.03%	-6.06%

Four Factors Margins

Shot Profiles (Rim/Mid/Three)

FG% At the Rim	% of FGA At the Rim	FG% At the Rim (Opp)	% of FGA At the Rim (Opp)
54.60%	53.37%	44.30%	39.13%
52.00%	50.70%	46.60%	43.68%
48.90%	47.40%	49.30%	47.25%
46.08%	43.40%	51.93%	50.50%
44.20%	39.23%	54.37%	53.50%

At the Rim Effectiveness (Offense / Defense)

3ptFG%	% of FGA from 3	3ptFG% (Opp)	% of FGA from 3 (Opp)
35.27%	40.77%	28.20%	26.42%
33.10%	35.93%	29.90%	29.30%
31.00%	31.55%	31.40%	31.80%
29.00%	27.65%	32.90%	34.50%
26.93%	24.13%	34.27%	37.27%

Three Point Effectiveness (Offense / Defense)

FG% Mid-Range	% of FGA from Mid-Range	FG% Mid-Range (Opp)	% of FGA from Mid-Range (Opp)
37.10%	13.60%	28.16%	27.27%
34.60%	16.38%	30.08%	23.60%
32.10%	20.70%	32.30%	20.25%
29.38%	25.50%	34.30%	18.00%
27.53%	30.07%	36.78%	16.10%

Mid-Range Effectiveness (Offense / Defense)

Misc. Stats (Assists/Other FG%s)

Assist Percentage	Assist/Turnover Ratio	Assist Percentage (Opp)	Assist/Turnover Ratio (Opp)
62.08%	1.127	47.35%	0.616
58.85%	0.973	50.55%	0.711
54.75%	0.806	55.09%	0.822
50.33%	0.679	59.14%	0.953
46.89%	0.575	62.28%	1.058

Assist Metrics (Offense / Defense)

FG%	2pFG%	FT%	TS%	FG% (Opp)	2pFG% (Opp)	FT% (Opp)	TS% (Opp)
44.18%	49.11%	75.46%	53.37%	36.36%	39.40%	65.53%	45.08%
41.68%	46.18%	72.99%	50.73%	38.31%	41.87%	67.55%	46.90%
39.65%	43.68%	69.88%	48.39%	40.20%	44.10%	69.55%	49.03%
37.69%	41.20%	66.33%	46.23%	41.72%	46.19%	71.66%	50.47%
35.94%	39.24%	62.92%	43.97%	43.18%	48.28%	73.22%	52.10%

Other shooting percentages