Sam Howell 2020 Stats

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```r
Howell <- read_csv("Sam Howell Database.csv")
```

```
## Parsed with column specification:
## cols(
##   Opponent = col_character(),
##   Reciever = col_character(),
##   Complete = col_double(),
##   Yards = col_double(),
##   Touchdown = col_double()
## )
```

```r
head(Howell)
```

```
## # A tibble: 6 x 5
##   Opponent Reciever Complete Yards Touchdown
##   <chr>    <chr>       <dbl> <dbl>     <dbl>
## 1 Syracuse Newsome        1     7         0
## 2 Syracuse Brown          1    22         0
## 3 Syracuse Newsome        0     0         0
## 4 Syracuse Brown          0     0         0
## 5 Syracuse Kbrown         1    13         0
## 6 Syracuse Newsome        1    18         0
```

```r
length(unique(Howell$Reciever))
```

```
## [1] 18
```

```r
length(unique(Howell$Opponent))
```

```
## [1] 12
```

Sam Howell threw passes to 18 different receivers through 12 games in 2020.

```
Howell %>%
  count(Reciever) %>%
  filter(Reciever != "TA", Reciever != "INT") %>%
  arrange(desc(n)) %>%
  head(10)
```

```
## # A tibble: 10 x 2
##     Reciever      n
##     <chr>     <int>
##  1 Brown        82
##  2 Newsome      66
##  3 Carter       30
##  4 Williams     30
##  5 Kbrown       24
##  6 Simmons      24
##  7 Walston      24
##  8 Corrales     20
##  9 Downs         8
## 10 Green         6
```

Howell's top 10 targets are as listed below:

1. Dyami Brown (82 targets)

2. Dazz Newsome (66 targets)

T-3. Michael Carter (30 targets)

T-3. Javonte Williams (30 targets)

T-5. Khafre Brown (24 targets)

T-5. Emery Simmons (24 targets)

T-5. Garrett Walston (24 targets)

8. Beau Corrales (20 targets)

9. Josh Downs (8 targets)

10. Antoine Green (6 targets)

```
Howell %>%
  count(Opponent) %>%
  arrange(desc(n)) %>%
  head(1)
```

```
## # A tibble: 1 x 2
##   Opponent        n
##   <chr>       <int>
## 1 Wake Forest    45
```

```
Howell %>%
  count(Opponent) %>%
  arrange(n) %>%
  head(1)
```

```
## # A tibble: 1 x 2
##   Opponent     n
##   <chr>    <int>
## 1 Miami       19
```

Howell's highest usage of the season was in a 59-53 shootout with Wake Forest where he threw 45 passes.

His least attempts came in the 62-26 mauling of Miami where he only threw it 19 times.

```
arrange(Howell,desc(Yards))[1,]
```

```
## # A tibble: 1 x 5
##   Opponent Reciever Complete Yards Touchdown
##   <chr>    <chr>       <dbl> <dbl>     <dbl>
## 1 Miami    Brown           1    87         0
```

Howell's longest pass of the season was an 87 yard bomb to Dyami Brown against Miami.

```
Howell %>%
  group_by(Reciever) %>%
  summarise(total_yards=sum(Yards)) %>%
arrange(desc(total_yards)) %>%
head(10)
```

```
## `summarise()` ungrouping output (override with `.groups` argument)
```

```
## # A tibble: 10 x 2
##    Reciever total_yards
##    <chr>          <dbl>
##  1 Brown           1099
##  2 Newsome          684
##  3 Kbrown           337
##  4 Williams         305
##  5 Carter           267
##  6 Walston          255
##  7 Corrales         238
##  8 Simmons          201
##  9 Downs            119
## 10 Green             38
```

Sam Howell threw the most yards to the following 10 Receivers:

1. Dyami Brown (1099 yards)

2. Dazz Newsome (684 yards)

3. Khafre Brown (337 yards)

4. Javonte Williams (305 yards)

5. Michael Carter (267 yards)

6. Garrett Walston (255 yards)

7. Beau Corrales (238 yards)

8. Emery Simmons (201 yards)

9. Josh Downs (119 yards)

10. Antoine Green (38 yards)

```
Howell %>%
  group_by(Reciever) %>%
  filter(Reciever == "Brown" |Reciever == "Newsome"|Reciever == "Kbrown"|Reciever == "Williams"|Reciever
  summarise(comp_per=mean(Complete)) %>%
arrange(desc(comp_per))
```

```
## `summarise()` ungrouping output (override with `.groups` argument)
```

```
## # A tibble: 10 x 2
##    Reciever comp_per
##    <chr>       <dbl>
##  1 Downs       0.875
##  2 Carter      0.833
##  3 Williams    0.833
##  4 Newsome     0.818
##  5 Walston     0.792
##  6 Brown       0.671
##  7 Green       0.667
##  8 Corrales    0.65
##  9 Kbrown      0.625
## 10 Simmons     0.625
```

Of his top 10 targets, Sam's completion percentage when targeting them were as follows:

1. Josh Downs (87.5%)

T-2. Michael Carter (83.3%)

T-2. Javonte Williams (83.3%)

4. Dazz Newsome (81.8%)

5. Garrett Walston (79.2%)

6. Dyami Brown (67.1%)

7. Antoine Green (66.7%)

8. Beau Corrales (65.0%)

T-9. Khafre Brown (62.5%)

T-9. Emery Simmons (62.5%)

```
Howell %>%
  group_by(Reciever) %>%
  summarise(yards_per_target = mean(Yards)) %>%
```

```
  arrange(desc(yards_per_target)) %>%
head(10)
```

`summarise()` ungrouping output (override with `.groups` argument)

```
## # A tibble: 10 x 2
##     Reciever yards_per_target
##     <chr>             <dbl>
##  1 Downs              14.9
##  2 Kbrown             14.0
##  3 Brown              13.4
##  4 Corrales           11.9
##  5 Walston            10.6
##  6 Newsome            10.4
##  7 Williams           10.2
##  8 Carter              8.9
##  9 Simmons             8.38
## 10 Groves              7
```

Of UNC's top 10 in the stat, Sam's yards per target when targeting them were as follows:

1. Josh Downs (14.9 yards)

2. Khafre Brown (14.0 yards)

3. Dyami Brown (13.4 yards)

4. Beau Corrales (11.9 yards)

5. Garrett Walston (10.6 yards)

6. Dazz Newsome (10.4 yards)

7. Javonte Williams (10.2 yards)

8. Michael Carter (8.9 yards)

9. Emery Simmons (8.4 yards)

10. Rontavius Groves (7.0 yards)

```
Howell %>%
  group_by(Opponent) %>%
  summarise(total_passing_yards=sum(Yards)) %>%
arrange(desc(total_passing_yards)) %>%
head(12)
```

```
## `summarise()` ungrouping output (override with `.groups` argument)
```

```
## # A tibble: 12 x 2
##    Opponent        total_passing_yards
##    <chr>                         <dbl>
##  1 Wake Forest                     550
##  2 Virginia                        443
##  3 Florida State                   374
##  4 Syracuse                        295
##  5 Western Carolina                286
##  6 Virginia Tech                   257
##  7 NC State                        252
##  8 Duke                            235
##  9 Texas A&M                       234
## 10 Boston College                  225
## 11 Miami                           223
## 12 Notre Dame                      211
```

Sam Howell's Total Passing Yards each game:

1. Wake Forest (550 yards)

2. Virginia (443 yards)

3. Florida State (374 yards)

4. Syracuse (295 yards)

5. Western Carolina (286 yards)

6. Virginia Tech (257 yards)

7. NC State (252 Yards)

8. Duke (235 yards)

9. Texas A&M (234 yards)

10. Boston College (225 yards)

11. Miami (223 yards)

12. Notre Dame (211 yards)

Sam passed for over 200 yards in all of his 12 starts in 2020. He threw for over 250 in 7 out of 12, and broke 500 against Wake Forest.

```
Howell %>%
  group_by(Opponent, Reciever) %>%
  summarise(total_rec_yards=sum(Yards)) %>%
arrange(desc(total_rec_yards)) %>%
head(10)
```

```
## `summarise()` regrouping output by 'Opponent' (override with `.groups` argument)
```

```
## # A tibble: 10 x 3
## # Groups:   Opponent [8]
##    Opponent      Reciever total_rec_yards
##    <chr>         <chr>              <dbl>
##  1 Virginia      Brown                240
##  2 Wake Forest   Newsome              189
##  3 Miami         Brown                167
##  4 Wake Forest   Brown                163
##  5 Florida State Corrales             141
##  6 NC State      Brown                105
##  7 Syracuse      Brown                 94
##  8 Texas A&M     Downs                 91
##  9 Wake Forest   Kbrown               87
## 10 Virginia Tech Brown                 86
```

The best receiving games UNC wide outs had with Howell were as follows:

1. Dyami Brown vs. Virginia (240 yards)

2. Dazz Newsome vs. Wake Forest (189 yards)

3. Dyami Brown vs. Miami (167 yards)

4. Dyami Brown vs. Wake Forest (163 yards)

5. Beau Corrales vs. Florida State (141 yards)

6. Dyami Brown vs. NC State (105 yards)

7. Dyami Brown vs Syracuse (94 yards)

8. Josh Downs vs. Texas A&M (91 yards)

9. Khafre Brown vs. Wake Forest (87 yards)

10. Dyami Brown vs. Virginia Tech (86 yards)

```
Howell %>%
  group_by(Opponent, Reciever) %>%
  summarise(total_TDs=sum(Touchdown)) %>%
arrange(desc(total_TDs)) %>%
head(5)
```

```
## `summarise()` regrouping output by 'Opponent' (override with `.groups` argument)
```

```
## # A tibble: 5 x 3
## # Groups:   Opponent [4]
##   Opponent      Reciever total_TDs
##   <chr>         <chr>        <dbl>
## 1 Virginia      Brown            3
## 2 Texas A&M     Downs            2
## 3 Virginia Tech Brown            2
## 4 Wake Forest   Brown            2
## 5 Wake Forest   Newsome          2
```

UNC Wide outs had 5 multi-TD games in 2020:

Dyami Brown vs. Virginia (3 TDs)

Josh Downs vs. Texas A&M (2 TDs)

Dyami Brown vs. Virginia Tech (2 TDs)

Dyami Brown vs. Wake Forest (2 TDs)

Dazz Newsome vs. Wake Forest (2 TDs)

```
Howell %>%
  group_by(Reciever) %>%
  summarise(total_TDs=sum(Touchdown)) %>%
arrange(desc(total_TDs)) %>%
head(7)
```

```
## `summarise()` ungrouping output (override with `.groups` argument)
```

```
## # A tibble: 7 x 2
##   Reciever total_TDs
##   <chr>        <dbl>
## 1 Brown            8
## 2 Newsome          6
## 3 Downs            3
## 4 Williams         3
## 5 Carter           2
## 6 Kbrown           2
## 7 Walston          2
```

UNC Top 5 in Receiving TDs:

1. Dyami Brown (8 TDs)

2. Dazz Newsome (6 TDs)

T-3. Josh Downs (3 TDs)

T-3. Javonte Williams (3 TDs)

T-5. Michael Carter (2 TDs)

T-5. Khafre Brown (2 TDs)

T-5. Garrett Walston (2 TDs)