

Milestone 3: Brandon Mather DSC540-T302

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In [54]: import pandas as pd
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In [72]: defense_qb = pd.read_html('https://www.pro-football-reference.com/years/2022/fantasy-p'
```

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In [73]: defense_qb
```

Out[73]:

		Unnamed: 0_level_0	Unnamed: 1_level_0					Passing	Unnamed: 7_level_0	Unnamed: 8_level_0	Rushing			
		Tm	G	Cmp	Att	Yds	TD	Int	2PP	Sk	Att	Yds	TD	FantPt
0		Detroit Lions	17	353	560	4446	26	12	2.0	38	100	700	7	371.84
1		Miami Dolphins	17	415	623	4259	27	8	2.0	40	88	525	3	333.06
2		Kansas City Chiefs	17	407	617	4138	33	11	1.0	55	94	444	4	331.72
3		Tennessee Titans	17	438	669	4931	29	14	2.0	39	67	217	3	323.34
4		Las Vegas Raiders	17	398	589	4319	25	6	2.0	27	60	269	4	313.96
5		Chicago Bears	17	322	479	3817	22	14	3.0	20	102	379	9	308.88
6		Minnesota Vikings	17	408	616	4756	23	15	2.0	38	62	342	4	308.44
7		Indianapolis Colts	17	365	535	3836	25	10	4.0	44	80	351	6	304.54
8		Jacksonville Jaguars	17	385	601	4258	25	14	3.0	35	92	469	2	297.32
9		Arizona Cardinals	17	412	591	4133	29	11	1.0	36	75	271	3	296.42
10		Carolina Panthers	17	383	580	4098	25	10	1.0	35	78	241	5	296.12
11		Atlanta Falcons	17	370	559	4010	25	10	2.0	21	64	221	3	286.50
12		New England Patriots	17	363	595	4018	28	19	1.0	54	72	348	2	277.52
13		Washington Commanders	17	308	514	3531	26	9	NaN	43	93	381	2	273.46
14		Tampa Bay Buccaneers	17	362	568	3767	29	10	2.0	45	62	277	1	272.38
15		Pittsburgh Steelers	17	331	540	4064	28	20	1.0	40	77	298	0	268.56
16		New York Giants	17	349	567	3909	21	6	NaN	41	64	351	2	265.56
17		Seattle Seahawks	17	341	544	3863	22	13	1.0	45	79	324	3	260.12
18		Baltimore Ravens	17	393	592	4239	20	14	1.0	47	60	233	3	256.86
19		Los Angeles Chargers	17	310	505	3693	24	14	1.0	39	57	236	3	255.42
20		New Orleans	17	321	535	3400	17	7	1.0	48	77	409	4	252.90

	Unnamed: 0_level_0	Unnamed: 1_level_0						Passing	Unnamed: 7_level_0	Unnamed: 8_level_0	Rushing				
	Tm	G	Cmp	Att	Yds	TD	Int		2PP		Sk	Att	Yds	TD	FantPt
	Saints														
21	Dallas Cowboys	17	344	548	3755	23	16		1.0		54	65	327	3	242.90
22	Los Angeles Rams	17	373	552	4044	22	16		1.0		37	51	203	1	242.06
23	New York Jets	17	347	556	3526	15	12		NaN		45	81	326	6	239.94
24	Green Bay Packers	17	312	476	3549	21	17		NaN		34	70	383	2	238.26
25	Denver Broncos	17	392	604	3819	20	14		1.0		36	60	193	2	237.26
26	Philadelphia Eagles	17	346	552	3519	21	17		1.0		67	69	448	2	233.56
27	San Francisco 49ers	17	389	591	4096	20	19		NaN		44	62	213	2	231.44
28	Cleveland Browns	17	314	518	3530	20	11		1.0		32	61	134	3	224.00
29	Houston Texans	17	336	522	3775	15	16		1.0		39	85	296	2	218.60
30	Cincinnati Bengals	16	327	554	3812	17	12		NaN		30	45	194	2	215.88
31	Buffalo Bills	16	362	570	3721	21	17		NaN		40	57	230	0	213.84

```
In [74]: #1 Getting rid of top indexes
defense_qb.columns = defense_qb.columns.droplevel()
```

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In [76]: #2 Getting rid of columns that aren't needed for goal of project
defense_qb = defense_qb.drop(['FantPt', 'DKPt', 'FDPt'], axis=1)
```

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In [86]: #3 Renaming columns from abbreviations to words
defense_qb.columns = ['Team', 'Games', 'Passing Completions', 'Passing Attempts', 'Passing Interceptions', 'Two Point Conversions', 'Sacks', 'Rushing Attempts']
```

```
In [93]: #4 Filling NaN's to 0's
defense_qb.fillna(0)
```

Out[93]:

	Team	Games	Passing Completions	Passing Attempts	Passing Yards	Passing Touchdowns	Interceptions	Two Point Conversions
0	Detroit Lions	17	353	560	4446	26	12	2.0
1	Miami Dolphins	17	415	623	4259	27	8	2.0
2	Kansas City Chiefs	17	407	617	4138	33	11	1.0
3	Tennessee Titans	17	438	669	4931	29	14	2.0
4	Las Vegas Raiders	17	398	589	4319	25	6	2.0
5	Chicago Bears	17	322	479	3817	22	14	3.0
6	Minnesota Vikings	17	408	616	4756	23	15	2.0
7	Indianapolis Colts	17	365	535	3836	25	10	4.0
8	Jacksonville Jaguars	17	385	601	4258	25	14	3.0
9	Arizona Cardinals	17	412	591	4133	29	11	1.0
10	Carolina Panthers	17	383	580	4098	25	10	1.0
11	Atlanta Falcons	17	370	559	4010	25	10	2.0
12	New England Patriots	17	363	595	4018	28	19	1.0
13	Washington Commanders	17	308	514	3531	26	9	0.0
14	Tampa Bay Buccaneers	17	362	568	3767	29	10	2.0
15	Pittsburgh Steelers	17	331	540	4064	28	20	1.0
16	New York Giants	17	349	567	3909	21	6	0.0
17	Seattle Seahawks	17	341	544	3863	22	13	1.0
18	Baltimore Ravens	17	393	592	4239	20	14	1.0
19	Los Angeles Chargers	17	310	505	3693	24	14	1.0
20	New Orleans Saints	17	321	535	3400	17	7	1.0

	Team	Games	Passing Completions	Passing Attempts	Passing Yards	Passing Touchdowns	Interceptions	Two Point Conversions	
21	Dallas Cowboys	17	344	548	3755	23	16	1.0	
22	Los Angeles Rams	17	373	552	4044	22	16	1.0	
23	New York Jets	17	347	556	3526	15	12	0.0	
24	Green Bay Packers	17	312	476	3549	21	17	0.0	
25	Denver Broncos	17	392	604	3819	20	14	1.0	
26	Philadelphia Eagles	17	346	552	3519	21	17	1.0	
27	San Francisco 49ers	17	389	591	4096	20	19	0.0	
28	Cleveland Browns	17	314	518	3530	20	11	1.0	
29	Houston Texans	17	336	522	3775	15	16	1.0	
30	Cincinnati Bengals	16	327	554	3812	17	12	0.0	
31	Buffalo Bills	16	362	570	3721	21	17	0.0	

```
In [98]: #5 Making sure no rows are duplicated
duplicate = defense_qb[defense_qb.duplicated()]
print("Duplicate Rows :")
duplicate
```

Duplicate Rows :

Out[98]:

Team	Games	Passing Completions	Passing Attempts	Passing Yards	Passing Touchdowns	Interceptions	Two Point Conversions	Sacks	R At
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