

The business which hired me to develop a combat sports database was ESPN out of Bristol Connecticut. ESPN is a sports broadcasting network know for their production Sports Center and televised sporting events. Also, ESPN has a sports news and information website as well as a online streaming service. The project is lead by the software solutions manager, who is looking to have the database implemented. With the goal completion before they start broadcasting combat sporting events. ESPN's expectation is to have a database which facilitates discovery of useful statistics and insights. ESPN will share this information during broadcasts and on their website.

ESPN is facing a lesser degree of useful statistics and insights pertinent to combat sports. Which is not up to there satisfaction in comparison with their coverage of other sports. They need the database both to store data about combat sports. As well as find useful statistics and insights. ESPN having recently signed a deal with the Ultimate Fighting Championship has facilitated this need. As such ESPN will now start to cover combat sports in greater detail and need the database to help with their production goals. This database will equip ESPN for their new venture into the world of combat sports.

The database provided addresses the problems that ESPN is facing with the future coverage of combat sports. The database satisfies both of the project requirements. The database provided is capable of both storing data as well as producing non-trivial statistics and insights. The following statistics and insights have been produced by my database. With the information from the last 18 months relevant to the top twenty lightweights in the UFC.

Fighters under 27 years of age

	fighterID	fighterName	dateOfBirth	nickName
1	8	Kevin Lee	1992-09-04	The Motown Phenom
2	14	Alexander Hernandez	1992-10-01	The Great
3	20	Marc Diakiese	1993-03-16	Bonecrusher

Fighters whos nicknames start with 'the'

	fighterID	fighterName	dateOfBirth	nickName
1	2	Eddie Alvarez	1984-01-11	The Underground King
2	5	Justin Gaethje	1988-11-14	The Highlight
3	6	Conor McGregor	1988-07-14	The Notorious
4	7	Dustin Poirier	1989-01-19	The Diamond
5	8	Kevin Lee	1992-09-04	The Motown Phenom
6	13	James Vick	1987-02-23	The Texecutioner
7	14	Alexander Hernandez	1992-10-01	The Great
8	15	Dan Hooker	1990-02-13	The Hangman
9	17	Paul Felder	1985-04-25	The Irish Dragon

The fighter with the longest reach

	fighterID	fighterName	reach
1	8	Kevin Lee	77

The fighter with the best striking offense

	fighterName	fighterID	attempt	success	accuracy
1	Justin Gaethje	5	638	348	54.5454545454545

The activity of each weight class

	DistinctFights	weightClass
1	17	155
2	1	157

The total wins of all fighters

	fighterName	TotalWins
1	Anthony Pettis	3
2	Dan Hooker	3
3	Dustin Poirier	3
4	Khabib Numagomedov	3
5	Justin Gaethje	3
6	Alexander Hernandez	2
7	Eddie Alvarez	2
8	Edson Barboza	2
9	James Vick	2
10	Joe Lauzon	2
11	Conor McGregor	1
12	Al Iaquinta	1
13	Francisco Trinaldo	1
14	Kevin Lee	1
15	Marc Diakiese	1
16	Michael Chiesa	1
17	Paul Felder	1
18	Tony Ferguson	1

The reach of the top 5 lightweights

	fighterName	TotalWins	reach
1	Khabib Numagomedov	3	70
2	Justin Gaethje	3	70
3	Dustin Poirier	3	72
4	Anthony Pettis	3	72
5	Dan Hooker	3	75

The fighters who fought outside of their weight class

	fighterName	weightClass	nomalWeight
1	Edson Barboza	157	155
2	Kevin Lee	157	155