## Big Data Analytics

CEBD 1260
Allen Lee

**Problem Definition** 

What is the theoretical value of a player

### **Dataset Description**

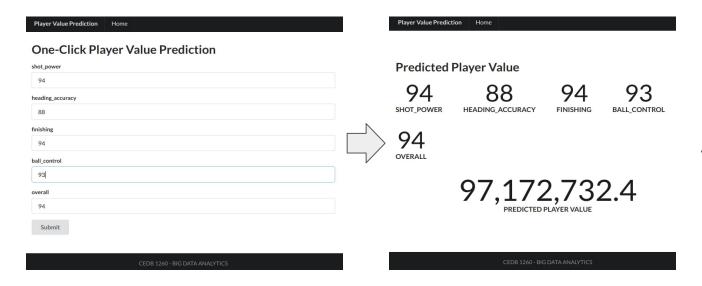
- One table
- 17,994 Rows
- 185 Columns
- Contains player attributes

name	club	age league	height_cm \	weig• nationality	eur_value	eur_wage	eur_release_	overall	potential	oac	sho	pas	dri (	def p	ohy i
Cristiano Ronaldo	Real Madrid CF	32 Spanish Primera División	185	80 Portugal	95500000	565000	195800000	94	94	90	93	82	90	33	80
L. Messi	FC Barcelona	30 Spanish Primera División	170	72 Argentina	105000000	565000	215300000	93	93	89	90	86	96	26	61
Neymar	Paris Saint-Germain	25 French Ligue 1	175	68 Brazil	123000000	280000	236800000	92	94	92	84	79	95	30	60
L. Suárez	FC Barcelona	30 Spanish Primera División	182	86 Uruguay	97000000	510000	198900000	92	92	82	90	79	87	42	81
M. Neuer	FC Bayern Munich	31 German Bundesliga	193	92 Germany	61000000	230000	100700000	92	92	91	90	95	89	60	91
R. Lewandowski	FC Bayern Munich	28 German Bundesliga	185	79 Poland	92000000	355000	151800000	91	91	81	88	75	86	38	82
De Gea	Manchester United	26 English Premier League	193	76 Spain	64500000	215000	124200000	90	92	90	85	87	90	58	86
E. Hazard	Chelsea	26 English Premier League	173	76 Belgium	90500000	295000	174200000	90	91	90	82	84	92	32	66
T. Kroos	Real Madrid CF	27 Spanish Primera División	182	78 Germany	79000000	340000	162000000	90	90	56	81	89	81	73	70
G. Higuaín	Juventus	29 Italian Serie A	184	87 Argentina	77000000	275000	127100000	90	90	79	87	70	83	25	74
Sergio Ramos	Real Madrid CF	31 Spanish Primera División	183	75 Spain	52000000	310000	106600000	90	90	76	63	71	71	88	83
K. De Bruyne	Manchester City	26 English Premier League	181	68 Belgium	83000000	285000	159800000	89	92	75	84	88	85	45	75
T. Courtois	Chelsea	25 English Premier League	199	94 Belgium	59000000	190000	113600000	89	92	85	91	69	88	49	86
A. Sánchez	Arsenal	28 English Premier League	169	62 Chile	67500000	265000	124900000	89	89	86	84	80	89	40	78
L. Modrić	Real Madrid CF	31 Spanish Primera División	174	65 Croatia	57000000	340000	116900000	89	89	73	75	86	89	72	65
G. Bale	Real Madrid CF	27 Spanish Primera División	183	74 Wales	69500000	370000	142500000	89	89	94	87	84	85	57	76
S. Agüero	Manchester City	29 English Premier League	173	70 Argentina	66500000	325000	123000000	89	89	87	88	75	89	23	72
G. Chiellini	Juventus	32 Italian Serie A	187	85 Italy	38000000	225000	62700000	89	89	74	46	56	59	90	85
G. Buffon	Juventus	39 Italian Serie A	191	94 Italy	4500000	110000	7400000	89	89	89	88	74	84	46	90
P. Dybala	Juventus	23 Italian Serie A	177	73 Argentina	79000000	215000	136300000	88	93	86	85	81	91	24	67

#### Main use case

# Is a particular player overvalued or undervalued?

#### Results



Value in the game 95,500,000



Player is undervalued