

MMA Judge Decision Analysis

How do we evaluate MMA Judges Decisions?

1. We could look at kicks, punches and control
2. We could look at frequency of round scores where judges diverged from the majority opinion, we aimed to uncover patterns that might indicate potential inconsistencies or biases in judging.

We will evaluate judges decisions by the second, and we will name this metric “In Minority”. We will take a look at how often a judge disagrees with other MMA judges when scoring rounds.

Aggregated “In the Minority” Ratio for MMA Judges

average_judgeb

Year	In Minority
2009	0.045
2010	0.007
2011	0.066
2012	0.079
2013	0.08
2014	0.067
2015	0.08
2016	0.062
2017	0.068
2018	0.068
2019	0.064
2020	0.07
2021	0.071
2022	0.07
2023	0.064
2024	0.078

In Minority Career Stats

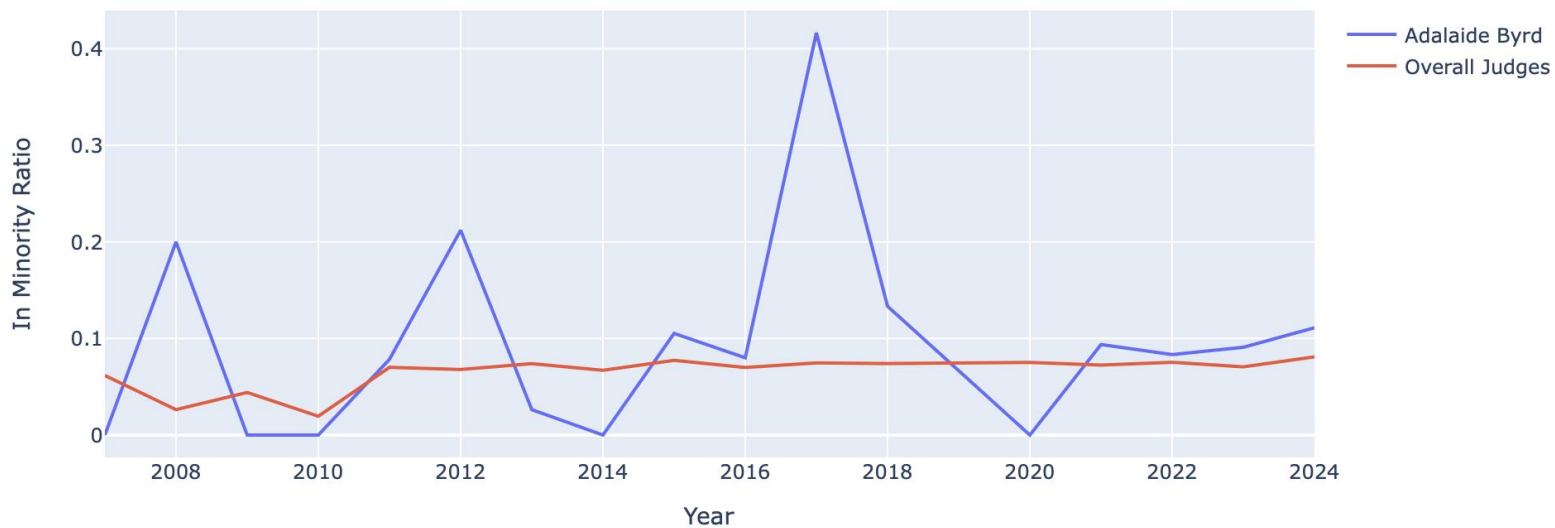
fight_scores_judge_career_ratio

Judge Name	In Minority Ratio	Total Rounds Judged	In Minority Count
Barry Luxenberg	0.208	72	15
Munah Querido	0.137	51	7
Howie Booth	0.131	61	8
Albert Shen	0.13	92	12
Burt Clements	0.125	72	9
Barry Foley	0.125	152	19
Jerin Valel	0.123	220	27
Mike Williams	0.116	69	8
Gabriel Sabaitis	0.115	61	7
Nate Mann	0.111	54	6
Gino Garcia	0.109	55	6
Felicia Oh	0.106	66	7
Don Turnage	0.104	77	8
David Sutherland	0.103	87	9
Todd Anderson	0.103	68	7
Steve Weisfeld	0.1	60	6
Joseph Terrell	0.1	90	9
Charlie Keech	0.098	163	16
Will Fisher	0.095	63	6
Garth Harriman	0.093	75	7
Barry Oglesby	0.092	98	9
Bartłomiej Czajka	0.092	98	9
Anthony Maness	0.091	230	21
Mark Craig	0.091	55	5
Adalaide Byrd	0.091	680	62

Adelaide Byrd compared to All Judges Over Time

Judge: ▼

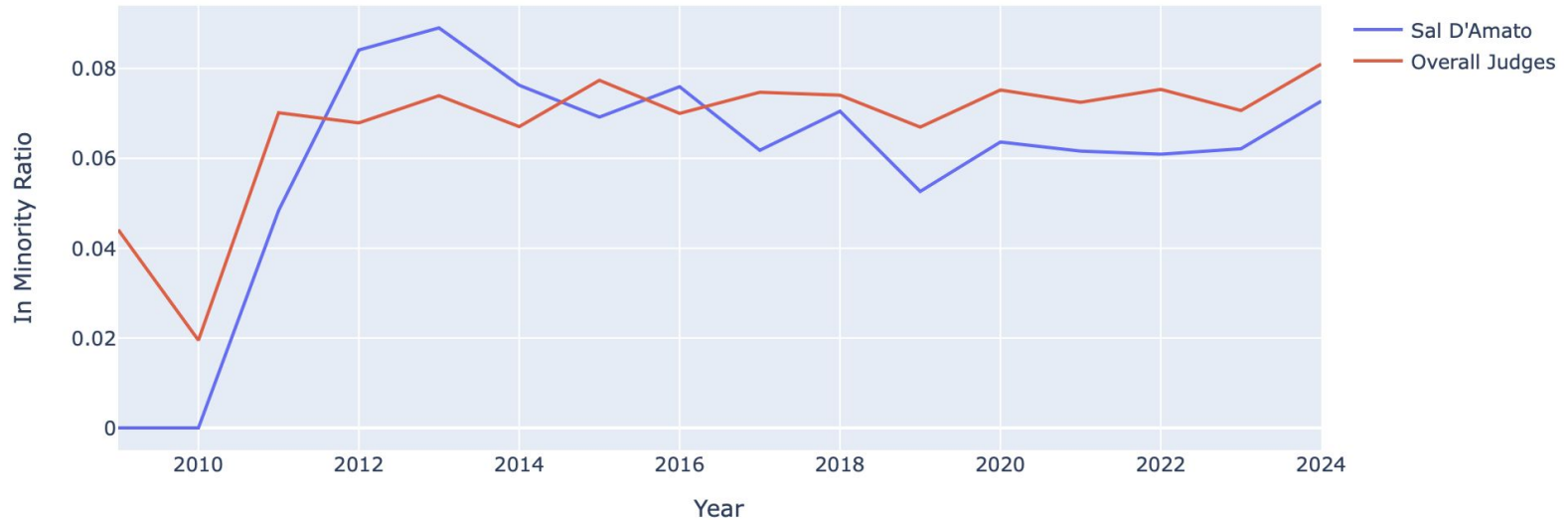
In Minority Ratio Over Years for Adelaide Byrd



Sal D'Amato compared to All Judges Over Time

Judge: Sal D'Amato ▼

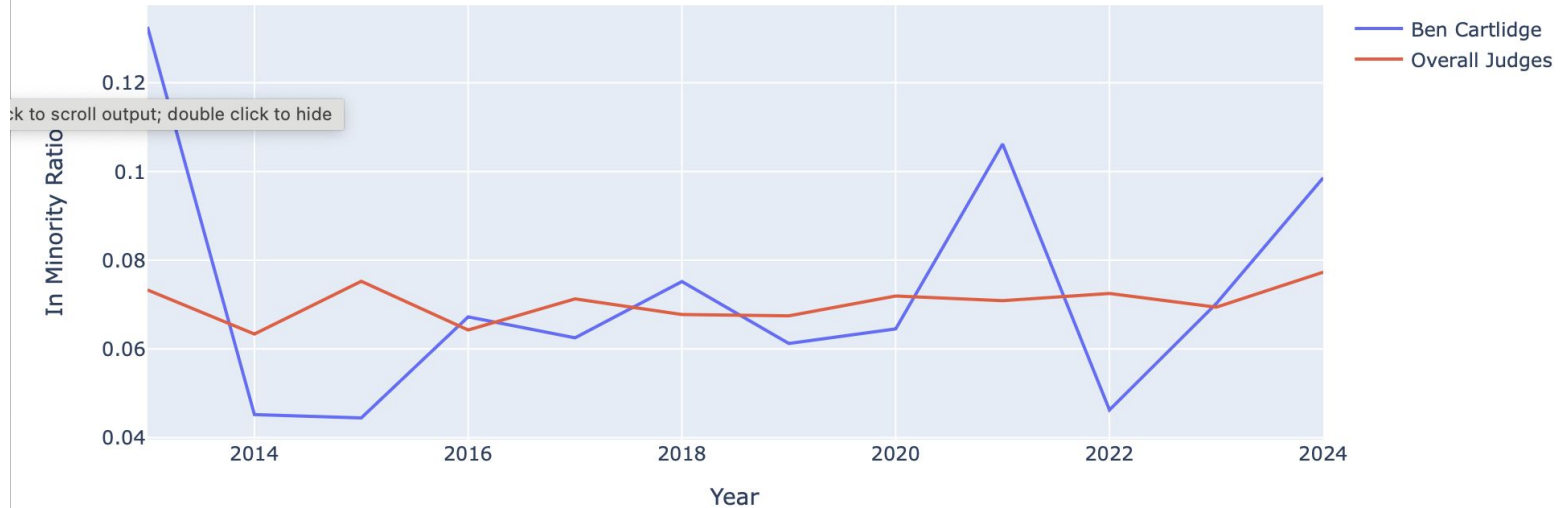
In Minority Ratio Over Years for Sal D'Amato



Ben Cartlidge compared to All Judges Over Time

Judge: Ben Cartlidge

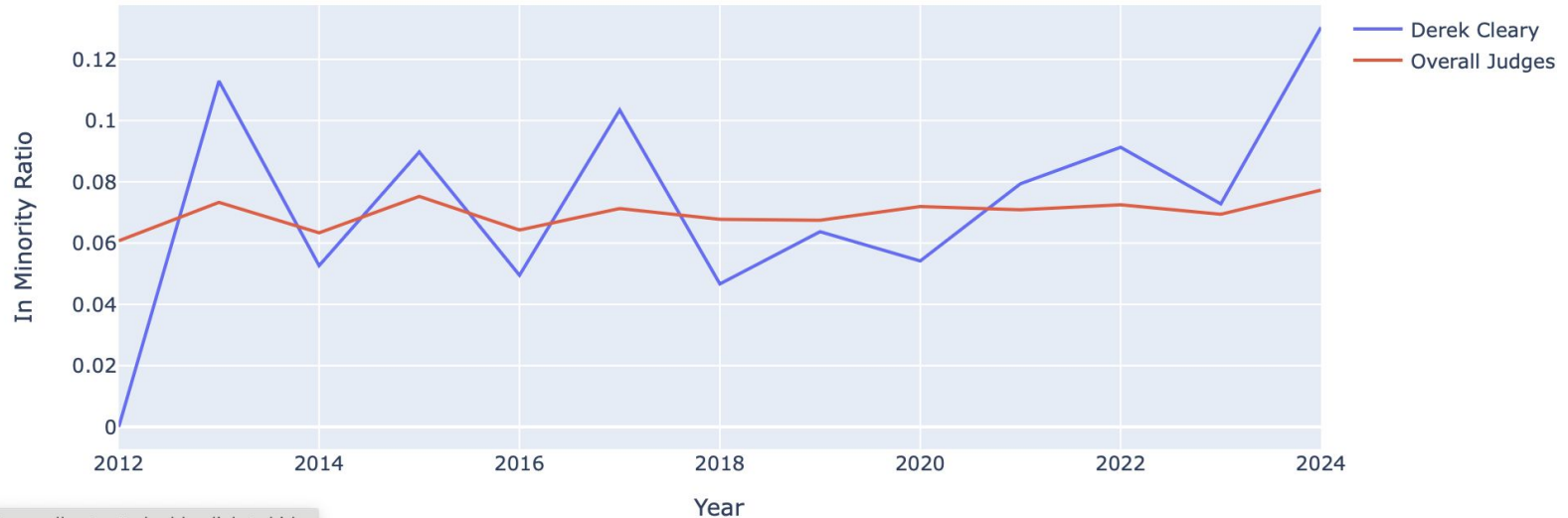
In Minority Ratio Over Years for Ben Cartlidge



Derek Cleary compared to All Judges Over Time

Judge: Derek Cleary ▼

In Minority Ratio Over Years for Derek Cleary



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2024 Highest In Minority Ratio

Year: 2024

	Judge Name	Year	In Minority Ratio
135	Derek Cleary	2024	0.130435
136	Adalaide Byrd	2024	0.111111
137	Ben Cartlidge	2024	0.098592
138	Junichiro Kamijo	2024	0.090909
139	Chris Lee	2024	0.075000
140	Sal D'Amato	2024	0.072727
141	David Lethaby	2024	0.071429
142	Eric Colón	2024	0.059701
143	Michael Bell	2024	0.030612

2023 Highest In Minority Ratio

Year: 2023

	Judge Name	Year	In Minority Ratio
125	Jacob Montalvo	2023	0.136364
126	Felicia Oh	2023	0.133333
127	Rick Winter	2023	0.121212
128	Chris Leben	2023	0.098039
129	Jon Marigliano	2023	0.095238
130	Adalaide Byrd	2023	0.090909
131	Eric Colón	2023	0.089286
132	Bryan Miner	2023	0.074534
133	Derek Cleary	2023	0.072797
134	Ben Cartlidge	2023	0.070248

2022 Highest In Minority Ratio

Year: 2022

	Judge Name	Year	In Minority Ratio
115	Mike Williams	2022	0.151515
116	Clemens Werner	2022	0.127660
117	Steve Armstrong	2022	0.121212
118	Anthony Maness	2022	0.116883
119	Bartłomiej Czajka	2022	0.094340
120	Derek Cleary	2022	0.091270
121	Monika Ridgeway	2022	0.090909
122	Eric Colón	2022	0.088889
123	Dave Tirelli	2022	0.086207
124	Douglas Crosby	2022	0.084746

2021 Highest In Minority Ratio

Year: 2021

	Judge Name	Year	In Minority Ratio
105	Jerin Valel	2021	0.205128
106	Marcel Varela	2021	0.147059
107	John Rupert	2021	0.128205
108	Filip Niemkowicz	2021	0.116279
109	Clemens Werner	2021	0.111111
110	Ben Cartlidge	2021	0.106195
111	Eric Colón	2021	0.096154
112	Szymon Bonkowski	2021	0.093750
113	Adalaide Byrd	2021	0.093750
114	Rick Winter	2021	0.089744

2020 Highest In Minority Ratio

Year: 2020

	Judge Name	Year	In Minority Ratio
95	David Lethaby	2020	0.145833
96	David Peabody	2020	0.128205
97	Steven Graham	2020	0.127273
98	Dave Hagen	2020	0.108108
99	Dave Tirelli	2020	0.103175
100	Jerin Valel	2020	0.101695
101	Chris Lee	2020	0.096970
102	Kevin Champion	2020	0.086957
103	Greg DiVilbiss	2020	0.086207
104	Vito Paolillo	2020	0.083333

2019 Highest In Minority Ratio

Year: 2019

	Judge Name	Year	In Minority Ratio
85	Paul Sutherland	2019	0.133333
86	Evan Field	2019	0.133333
87	Dave Hagen	2019	0.128205
88	Dave Tirelli	2019	0.121019
89	Anthony Maness	2019	0.117647
90	Lukasz Porebski	2019	0.117647
91	Cezary Wojciechowski	2019	0.111111
92	Steven Graham	2019	0.106383
93	Kevin Champion	2019	0.101695
94	David Lethaby	2019	0.077295

2018 Highest In Minority Ratio

Year: 2018

	Judge Name	Year	In Minority Ratio
75	Michael Bell	2018	0.164179
76	Glenn Trowbridge	2018	0.159091
77	Douglas Crosby	2018	0.120000
78	Brian Puccillo	2018	0.108108
79	Marcos Rosales	2018	0.104478
80	Mark Collett	2018	0.095238
81	Ben Cartlidge	2018	0.075188
82	Sal D'Amato	2018	0.070485
83	David Lethaby	2018	0.068182
84	Guilherme Bravo	2018	0.062500

Highest In Minority Ratio

fight_scores_judge_year_ratio

Judge Name	Year	In Minority Ratio
Adalaide Byrd	2012	0.212
Jerin Valel	2021	0.205
Aaron Chatfield	2012	0.182
Dave Hagen	2011	0.167
Michael Bell	2018	0.164
Glenn Trowbridge	2018	0.159
Cardo Urso	2015	0.153
Barry Foley	2015	0.152
Mike Williams	2022	0.152
Marcel Varela	2021	0.147
David Lethaby	2020	0.146
Mark Collett	2015	0.136
Jacob Montalvo	2023	0.136
Mark Craig	2015	0.135
Evan Field	2019	0.133
Paul Sutherland	2019	0.133
Ben Cartlidge	2013	0.133
Felicia Oh	2023	0.133
Guilherme Bravo	2013	0.132
Derek Cleary	2024	0.13
Lester Griffin	2011	0.128
David Peabody	2020	0.128
Clemens Werner	2022	0.128
Dave Hagen	2019	0.128
Vinicius Lins	2014	0.128