

# Speedcubing Dominance

## Appearances in Top 100 Solves Per Year

```
top_solves = read_excel("Top100CubersPerYear.xlsx", sheet = "Top100Singles")

top_solves_per_year = top_solves %>% group_by(Year, Name) %>%
  summarise(Appearances = n(), .groups = "drop") %>% arrange(desc(Appearances))

top_solves_per_year
```

Year	Name	Appearances
<dbl>	<chr>	<int>
2024	Yiheng Wang (王艺衡)	51
2004	Shotaro Makisumi (牧角章太郎)	43
2014	Feliks Zemdeg	39
2023	Yiheng Wang (王艺衡)	37
2021	Tymon Kolasiński	34
2011	Feliks Zemdeg	33
2005	Shotaro Makisumi (牧角章太郎)	31
2015	Feliks Zemdeg	31
2022	Tymon Kolasiński	27
2022	Max Park	26

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# Most Appearances in Top 100 Solves Per Year

```
most_top_solves = top_solves_per_year %>% group_by(Year) %>%
  filter(Appearances == max(Appearances)) %>% arrange(Year)

most_top_solves
```

Year Name		Appearances
<dbl>	<chr>	<int>
2003	Lars Vandenberg	12
2004	Shotaro Makisumi (牧角章太郎)	43
2005	Shotaro Makisumi (牧角章太郎)	31
2006	Shotaro Makisumi (牧角章太郎)	12
2007	Edouard Chambon	10
2007	Thibaut Jacquinot	10
2008	Yu Nakajima (中島悠)	12
2009	Tomasz Żołnowski	20
2010	Feliks Zemdeg	25
2011	Feliks Zemdeg	33

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# Appearances in Top 100 Averages Per Year

```
top_averages = read_excel("Top100CubersPerYear.xlsx", sheet = "Top100Averages")

top_avgs_per_year = top_averages %>% group_by(Year, Name) %>%
  summarise(Appearances = n(), .groups = "drop") %>% arrange(desc(Appearances))

top_avgs_per_year
```

Year Name		Appearances
<dbl>	<chr>	<int>
2024	Yiheng Wang (王艺衡)	60
2018	Max Park	45
2023	Yiheng Wang (王艺衡)	44
2022	Max Park	42
2017	Feliks Zemdeg	36
2018	Feliks Zemdeg	36
2022	Tymon Kolasiński	35
2019	Max Park	34
2017	Max Park	33
2021	Tymon Kolasiński	29

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# Most Appearances in Top 100 Averages Per Year

```
most_top_avgs = top_avgs_per_year %>% group_by(Year) %>%
  filter(Appearances == max(Appearances)) %>% arrange(Year)

most_top_avgs
```

Year Name		Appearances
<dbl>	<chr>	<int>
2003	Dan Knights	1
2003	David Allen	1
2003	David Wesley	1
2003	Gene Means	1
2003	Jess Bonde	1
2003	Jessica Fridrich	1
2003	Lars Vandenberg	1
2003	Ron van Bruchem	1
2004	Lars Vandenberg	7
2004	Ron van Bruchem	7

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# Total Appearances in Both Top 100s

```
top_cubers_per_year = top_avgs_per_year %>%
  left_join(top_solves_per_year, by = c("Year", "Name")) %>%
  mutate(Appearances.x = replace_na(Appearances.x, 0),
         Appearances.y = replace_na(Appearances.y, 0)) %>%
  mutate(Total_Appearances = Appearances.x + Appearances.y) %>%
  arrange(desc(Total_Appearances), desc(Appearances.x)) %>%
  select(Year, Name, Appearances.x, Appearances.y, Total_Appearances) %>%
  rename(Averages = Appearances.x, Singles = Appearances.y, Total=Total_Appearances)

top_cubers_per_year
```

Year	Name	Averages	Singles	Total
<dbl>	<chr>	<int>	<int>	<int>
2024	Yiheng Wang (王艺衡)	60	51	111
2023	Yiheng Wang (王艺衡)	44	37	81
2018	Max Park	45	24	69
2022	Max Park	42	26	68
2014	Feliks Zemdeg	28	39	67
2021	Tymon Kolasiński	29	34	63
2022	Tymon Kolasiński	35	27	62
2017	Feliks Zemdeg	36	23	59
2018	Feliks Zemdeg	36	22	58
2015	Feliks Zemdeg	27	31	58

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# Most Dominant Cubers Per Year

```
most_dominant = top_cubers_per_year %>% group_by(Year) %>%
  filter(Total == max(Total)) %>% arrange(Year) %>%
  rename(Total_Appearances=Total)

most_dominant
```

Year	Name	Averages	Singles	Total_Appearances
<dbl>	<chr>	<int>	<int>	<int>
2003	Lars Vandenberg	1	12	13
2004	Shotaro Makisumi (牧角章太郎)	6	43	49
2005	Shotaro Makisumi (牧角章太郎)	12	31	43
2006	Shotaro Makisumi (牧角章太郎)	8	12	20
2007	Edouard Chambon	19	10	29
2008	Erik Akkersdijk	15	11	26
2009	Erik Akkersdijk	24	18	42
2010	Feliks Zemdeg	16	25	41
2011	Feliks Zemdeg	16	33	49
2012	Mats Valk	20	20	40

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