Speedcubing Dominance

Appearances in Top 100 Solves Per Year

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

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

top_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 Zemdegs	39
2023	Yiheng Wang (王艺衡)	37
2021	Tymon Kolasiński	34
2011	Feliks Zemdegs	33
2005	Shotaro Makisumi (牧角章太郎)	31
2015	Feliks Zemdegs	31
2022	Tymon Kolasiński	27
2022	Max Park	26

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Most Appearances in Top 100 Solves Per Year

```
dominant = top_per_year %>% group_by(Year) %>%
  filter(Appearances == max(Appearances)) %>% arrange(Year)

dominant
```

Year <dbl>	Name <chr>	Appearances <int>
2003	Lars Vandenbergh	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 Zemdegs	25
2011	Feliks Zemdegs	33

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Appearances in Top 100 Averages Per Year

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

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

top_per_year_avg
```

Year	Name	Appearances
<dbl>	<chr>	<int>
2024	Yiheng Wang (王艺衡)	60
2018	Max Park	46
2023	Yiheng Wang (王艺衡)	44
2022	Max Park	42
2017	Feliks Zemdegs	36
2018	Feliks Zemdegs	35
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

```
dominant_avg = top_per_year_avg %>% group_by(Year) %>%
  filter(Appearances == max(Appearances)) %>% arrange(Year)

dominant_avg
```

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 Vandenbergh	1
2003	Ron van Bruchem	1
2004	Lars Vandenbergh	7
2004	Ron van Bruchem	7

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Total Appearances in Both Top 100s

```r
dominant_both = top_per_year_avg %>%
  left_join(top_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, Total_Appearances)

dominant_both
```

Year	Name	Total_Appearances
<dbl>	<chr>	<int>
2024	Yiheng Wang (王艺衡)	111
2023	Yiheng Wang (王艺衡)	81
2018	Max Park	70
2022	Max Park	68
2014	Feliks Zemdegs	67
2021	Tymon Kolasiński	63
2022	Tymon Kolasiński	62
2017	Feliks Zemdegs	59
2015	Feliks Zemdegs	58
2018	Feliks Zemdegs	57

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Most Dominant Cubers Per Year

```
most_dominant = dominant_both %>% group_by(Year) %>%
  filter(Total_Appearances == max(Total_Appearances)) %>% arrange(Year)

most_dominant
```

Year	Name	Total_Appearances
<dbl>	<chr>	<int>
2003	Lars Vandenbergh	13
2004	Shotaro Makisumi (牧角章太郎)	49
2005	Shotaro Makisumi (牧角章太郎)	43
2006	Shotaro Makisumi (牧角章太郎)	20
2007	Edouard Chambon	29
2008	Erik Akkersdijk	26
2009	Erik Akkersdijk	42
2009	Tomasz Żołnowski	42
2010	Feliks Zemdegs	41
2011	Feliks Zemdegs	49

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