Formula 1 World Champions

0		NUIO FADDA	o	(4)		0	(4)	anner r
		Alfa Romeo						Alfa R
1	5	Juan Fangio Alfa Romeo	3	(5)	●○○● ○ ⊗ ◎ ●	2	(2)	Alberto Ferrari
2	2	Alberto Ascari Ferrari	6	(5)	○@@●@@@	0	(2)	Nino F Ferrar
. —			5	(6)	0 .0•000•0	1	(2)	Juan F
		Alberto Ascari Ferrari						Maser
		Juan Fangio Mercedes	6	(5)	• 	1	(1)	Jos., F Ferrar
		Juan Fangio	4	(3)	●◎○ ●◎◎◎	1	(1)	Stirling
		Mercedes	3			2		Merce
6		Juan Fangio Ferrari	3	(7)	6 8 0 0	2	(1)	Stirling Maser
·		Juan Fangio	4	(4)	●●○●◎●◎◎	3	(3)	Stirling
8	1	Maserati Mike Hawthorn	1	(4)	8080 00 00808	4	(3)	Vanwa Stirling
	=	Ferrari						Vanwa
9	3	Jack Brabham Cooper-Climax	2	(1)	●008 ● 8000	2	(2)	Tony E Ferrar
0		Jack Brabham	5	(3)	800 0000 00	1	(0)	Bruce
		Cooper-Climax						Coope
1	1	Phil Hill Ferrari	2	(5)	○⊗●○⊗○● ○	2	(1)	Wolfga Ferrar
2	2	Graham Hill	4	(1)	●○◎○◎●●◎●	3	(6)	Jim Cl
3	2	BRM Jim Clark	7	(7)	000000 × 00	2	(2)	Lotus- Graha
	=	Lotus-Climax				2	(2)	BRM
4	1	John Surtees Ferrari	2	(2)	8000 @ 0 @ 80	2	(1)	Graha BRM
5		Jim Clark	6	(6)	@× •@•@0	2	(4)	Graha
		Lotus-Climax			07.000			BRM
6		Jack Brabham Brabham-Repco	4	(3)	○ ⊗ ● ⑥ ● ○ ○ ⊗	2	(2)	John S Coope
7	1	Denny Hulme	2	(0)	0000000000	2	(2)	Jack E Brabh
8	_	Brabham-Repco	3	(2)	○●●○窓○◎◎○○窓●	3	(0)	Brabh
8	_	Graham Hill Lotus-Ford	3	(2)	0.00080080080	3	(0)	Jackie Matra-
9	3	Jackie Stewart	6	(2)	● ●◎●◎● ⊗ ● ⊗ ○ ○	2	(2)	Jacky Brabh
0	1	Matra-Ford	5	(3)	000000000000000000000000000000000000000	3	(4)	
	ш	Jochen Rindt Team Lotus						Jacky Ferrar
1		Jackie Stewart Tyrrell	6	(6)		0	(0)	Ronni March
2	2	Emerson Fittipaldi	5	(3)	⊗○ ●○● ⊗●○●⊗⊗	4	(2)	Jackie
	_	Team Lotus						Tyrrel
3		Jackie Stewart Tyrrell	5	(3)	88 8 6000 60000	3	(1)	Emers Team
4		Emerson Fittipaldi	3	(2)	⊙ ○○●○○○○◎○	1	(1)	Clay F
		McLaren						Ferrar
5	[3]	Niki Lauda Ferrari	5	(9)	% - O O O O O O O O O O O O O O O O O O	2	(0)	Emers McLar
6	1	James Hunt	6	(8)		5	(3)	Niki La
7	_	McLaren Niki Lauda	3	(2)	80•0080000•0080	3	(1)	Ferrar
/		Ferrari	3	(2)		3	(1)	Jody S Wolf
8	1	Mario Andretti Team Lotus	6	(8)	◎ ○ૹ ○◎◎○●○◎◎◎ ◎◎○	2	(3)	Ronnie
9	1	leam Lotus	3	(1)	00880•00000008	3	(4)	Team Gilles
9	=	Jody Scheckter Ferrari	3	(1)	-	3	(1)	Ferrar
0	1	Alan Jones Williams	5	(3)	⊚ ○∞ ⊙ ○● ⊙ ○∞∞	3	(2)	Nelson
1	3		3	(4)	○ ◎● ◎ ◎ ○○○●○○○ ◎ ○	2	(2)	Brabh
	=	Nelson Piquet Brabham	,			_		Carlos Willian
2	1	Keke Rosberg Williams	1	(1)	000800008 © 000•00	2	(2)	Didier
3		Nelson Piguet	3	(1)	●○8○○8○○8○8○●●○	4	(3)	Ferrari Alain F
		Brabham			_			Renau
4		Niki Lauda McLaren	5	(0)	⊗●○⊗●⊗○○○●⊗●⊗●⊗⊗	7	(3)	Alain F McLar
5	4		5	(2)	●00●≋00●≋ ⊚ 0● © 000	2	(1)	
	Ů.	Alain Prost McLaren						Michel Ferrar
6		Alain Prost McLaren	4	(1)	00€@⊠⊠0⊠⊠00⊕0⊠0⊕	5	(2)	Nigel I Willian
7		Nelson Piquet Williams	3	(4)	080008 ©● ●◎●○◎ 800	6	(8)	Nigel 1
		Williams				_		Willian
8	3	Ayrton Senna McLaren	8	(13)	◎● ◎◎●●○ ●●●○ ○ ◎●◎	7	(2)	Alain F McLar
9		Alain Prost	4	(2)	0888€00€808€0800	6	(13)	Ayrton McLar
0		McLaren	6	(10)	●⊗⊙⊛∞∞∞⊙⊙⊙	5	(0)	McLar Alain F
		Ayrton Senna McLaren	0	(10)		,	(0)	Ferrar
1		Ayrton Senna McLaren	7	(8)	◎◎◎◎ ○○◎◎◎○◎○◎	5	(2)	Nigel Williar
2	1	Nigel Mansell	9	(14)	@@@@@O:@@@:OO@@O	1	(1)	
	٠	Nigel Mansell Williams						Ricca Willian
3		Alain Prost Williams	7	(13)	@33@@30•@@ 0000:@x	5	(1)	Ayrtor McLai
4	7	Michael Schumacher	8	(6)		6	(2)	Damo Willian
	٠	Benetton			000 0 00	-		Willian
5		Michael Schumacher Benetton	9	(4)	• 8 30• 0• • 8 • 0 • • 0 8	4	(7)	Damo Willian
6	1	Damon Hill Williams	8	(9)	● ●● ◎● ○ ●●◎● ◎ ○ ◎ ●	4	(3)	Jacqu Willian
7	1	Williams Jacques Villeneuve	7	(10)		1		Willian Heinz-
		Williams					(1)	Willian
3 —	2	Mika Hkkinen McLaren	8	(9)		6	(3)	Micha
9		Mika Hkkinen	5	(11)	⊗80000 • ○ 000 8600 0 · ⊗ •	4	(0)	Ferrar Eddie
		McLaren						Ferrar
0		Michael Schumacher Ferrari	9	(9)		4	(5)	Mika I McLai
1 —		Michael Schumacher	9	(11)		2	(2)	David
		Ferrari	4.4			4		McLai
2		Michael Schumacher Ferrari	11	(7)		4	(3)	Ruber Ferrar
3		Michael Schumacher	6	(5)	⊘ ≋ ○◎ ●○○○○ ○ ●○	1	(2)	Kimi F
		Michael Schumacher	13	(8)	◎◎◎◎◎◎◎◎ ◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎◎	2	(4)	McLai Ruber
		Ferrari						Ferrar
5	2	Fernando Alonso Renault	7	(6)		7	(5)	Kimi F McLai
3		Fernando Alonso	7	(6)	●○●※ ②●●●● ※※※○○※ ②● ○	7	(4)	Micha
, _		Renault						Ferrar
	1	Kimi Rikknen Ferrari	6	(3)	●000088••◎800●8••	4	(6)	Lewis McLa
	7	Lewis Hamilton	5	(7)	● ○ ∅ ○ ∅ ● ● ● ● ● ● ● ● ● ● 	6	(6)	Felipe
	1	McLaren Jenson Button	6		© 8 • © ● 800000808	4	(4)	Ferra
	=	Brawn		(4)				Sebas Red E
	4	Sebastian Vettel	5	(10)		5	(2)	Ferna
		Red Bull Sebastian Vettel	11	(15)	@@@@@@@@@@@@@@	3	(0)	Ferra. Jenso
		Red Bull				-		McLa
		Sebastian Vettel	5	(6)	○≋ `© ○○ ◯ ®○≋○○● ●●○○ ○	3	(2)	Ferna
		Red Bull Sebastian Vettel	13	(9)	○○ ○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○○	2	(0)	Ferra. Ferna
		Red Bull						Ferra
		Lewis Hamilton	11	(7)	◎●●● ◎ ⊗ ⊗ ● ⊗ ● ◎●●● ⊗ ●	5	(11)	Nico
		Mercedes Lewis Hamilton	10	(11)		6	(7)	Merci Nico
		Mercedes						Merce
3	1	Nico Rosberg	9	(8)		10	(12)	Lewis
,		Mercedes Lewis Hamilton	9	(11)	⊗● ⋈ ● ⋈ ●○● ○●●○●●○⊗○	5	(4)	Merce Sebas
		Mercedes						Ferrar
		Lewis Hamilton Mercedes	11	(11)	◎ ∞ • ● ○ ∞ ● ○ ◎ • ● ◎ • ● ● ● ○ ○ ● ●	5	(5)	Sebas Ferrar
3			11	(5)	⊗•• ⊗• ●•••• ••∞•∞•∞•∞•∞•∞•∞•∞•∞•∞•∞•∞•∞•∞•∞•∞•	4	(5)	<i>r-errar</i> Valtter
		Lewis Hamilton						
9		Lewis Hamilton Mercedes Lewis Hamilton	11	(10)	× (80) (80) (80) (80) (80)	2	(5)	Merce Valtter

Data notes

Multiple P1 entries for some races

These races have more than one entry in results.csv for pole-sitter (grid = 1):

	raceId	polesitterId
1	717	374
2	717	373
3	780	479
4	785	608
5	791	608
6	792	642
7	792	427
8	814	633
9	815	697
10	824	475
11	828	786

The reasons are kind of wild. See for example:

- Race ID 792: https://en.wikipedia.org/wiki/1955_Argentine_Grand_Prix
- Race ID 717: https://en.wikipedia.org/wiki/1964_United_States_Grand_Prix

Pole position based on starting grid

The dataset does not contain qualy times for over half of all the 1000+ races. I am using starting grid position P1 instead.

Credit

Inspired by https://github.com/gkaramanis/tidytuesday/tree/master/2020/2020-week15.