

This document provides in clear all the information that was used during the F1 Strategy Competition with the exception of race strategy.

The expected results are run using a simple code that simulates theoretical seasons. This code is comprised of two modules. The first of these modules is the same as the one used during the (livestreamed) driver signing phase. It is optional and allocates the available drivers to the competing teams based on their marketing investments and using the same probability law. The second module takes the team lineups (reliability, chassis, engine, driver 1 and driver 2) and ranks the drivers on each circuit as a function of their performance level, taking into account circuit-specific bonuses. The module then applies a DNF filter to the ranking with probability in line with the team reliability investment and attributes points to the remaining drivers in their ranking order. The point attribution and the race characteristics are as specified in the championship rules.

For Section 1, the code is run with a loop around both of these modules to average results over 10^7 seasons. For Section 2, the code is run in the same way except that the driver signing module is deactivated and the lineup is set to the one determined by the driver signing event for each simulated season.

Expected points scored are accurate to the tenth of point, while no formal accuracy study has been performed for the ranking probabilities. These probabilities should, however, reflect the performance of the teams with an error inferior to one percent.

1 Financial phase

1.1 Drivers

- Joris Gootjes (NED) 5.0
- David Wilkinson (GBR) 4.9
- Michel Fabron (FRA) 4.8
- Ricardo Raul (BRA) 4.7
- Allan Johnson (GBR) 4.3
- Alfredo Alcarria (SPA) 4.2
- Luigi Disanti (ITA) 3.7
- Alexander Koltsov (RUS) 3.4
- Cyprien Monnereau (FRA) 3.3
- Philipp Krafft (GER) 3.2
- Carlos Arizaga (ARG) 3.1
- Simao Faria (POR) 3.0
- Fabrizio Panduri (ITA) 2.8
- Felix Wollen (GER) 2.6
- Esteban Campos (MEX) 2.3
- Clayton Swift (USA) 2.2
- Mark Winkelmann (GER) 2.1
- Josh Palmer (AUS) 1.9
- Aaron Kilpatrick (IRL) 1.8
- Udo Krallinger (GER) 1.6
- Akiko Tomiko (JAP) 1.3
- Janne Nurmela (FIN) 1.2
- Germain Grisel (FRA) 0.8
- Jiang Lin (CHI) 0.7
- Fabian Metzger (SWI) 0.6
- Mitesh Agrawal (IND) 0.4
- Alfonso Llave (SPA) 0.2
- Darren Tremblay (CAN) 0.0

1.2 Teams

Team	Name	Affiliation	Mark.	Rel.	Cha.	Eng.
Brawn Cocktail	Keir Smith	Leeds	3.0	1.7	0.3	3.0
BURP	Cédric Beaume	Leeds	2.8	1.4	3.8	0.0
forkBOMB	Ati Sharma	Southampton	0.8	1.9	5.3	0.0
Holliman Motors	Patrick Holliman	Leeds	2.3	1.8	0.0	3.9
Hunt Racing	James Hunt	Leeds	0.8	1.6	0.4	5.2
JFS Racing	James McKinnon	Leeds	2.2	1.1	2.3	2.2
Maca Motorsport	Mackenzie Forster	Nottingham Trent	2.0	1.8	4.0	0.0
Put the Vettel	Matthew Underwood	Leeds	2.8	0.8	2.0	2.4
Shakamosport	Max Champneys <i>et al.</i>	Sheffield	0.4	1.7	0.2	5.7
Team CHRacing22	Christiana Antoniou	Leeds	3.7	0.4	0.6	3.3
Team Green	Emad Yousaf	Leeds	1.8	2.1	2.0	2.1
VW Polo Loco's	Tom Davies	Leeds	2.5	1.7	0.0	3.8
Yours Trulli	Carter Benson	Leeds	1.9	1.5	4.6	0.0
Zaporozhets	Anton Pershin	Bauman (RUS)	2.4	1.7	1.9	2.0

Table 1: Table of the teams registered and their investment strategies. Note: from race 8 and upon unanimous agreement between competing teams, Team CHRacing22 changed budget from 3.3 ι to 2.1 ι in Engine and from 0.4 ι to 1.6 ι in Reliability.

1.3 Expected results

	Brawn Cocktail (Leeds)	BURP (Leeds)	forkBOMB (Southampton)	Holliman Motors (Leeds)	Hunt Racing (Leeds)	JFS Racing (Leeds)	Maca Motorsport (Nott. Trent)	Put the Vettel (Leeds)	Shakamosport (Sheffield)	Team CHRacing22 (Leeds)	Team Green (Leeds)	VW Polo Loco's (Leeds)	Yours Trulli (Leeds)	Zaporozhets (BMSTU)
Pts	136	149	64	122	90	92	91	86	98	40	63	137	113	121
1 st	10.2%	16.3%	0.5%	14.9%	0.8%	4.1%	7.5%	1.2%	0.1%	0.0%	4.7%	17.6%	9.3%	12.8%
2 nd	16.4%	17.3%	0.6%	10.0%	1.1%	6.4%	6.9%	3.7%	0.2%	0.0%	4.6%	12.6%	8.7%	11.5%
3 rd	17.1%	15.3%	0.9%	7.8%	2.2%	7.9%	6.3%	6.7%	2.0%	0.3%	3.9%	9.8%	9.6%	10.2%
4 th	13.4%	11.8%	1.3%	7.0%	4.6%	8.1%	6.0%	8.4%	8.6%	0.7%	3.5%	8.2%	9.6%	8.8%
5 th	9.1%	8.7%	1.4%	6.1%	8.8%	7.3%	5.5%	8.3%	18.5%	1.3%	3.3%	6.7%	7.9%	7.1%
6 th	6.4%	6.3%	1.8%	5.5%	13.7%	6.7%	5.0%	7.8%	23.5%	1.9%	3.5%	5.7%	6.4%	5.7%
7 th	5.2%	5.0%	3.1%	5.6%	18.2%	6.5%	4.9%	7.9%	20.9%	2.6%	3.8%	5.4%	5.8%	5.2%
8 th	4.5%	4.2%	6.6%	6.0%	19.4%	6.9%	4.9%	8.8%	14.3%	3.7%	4.0%	5.6%	5.9%	5.3%
9 th	4.1%	3.7%	14.4%	6.1%	15.3%	7.3%	5.0%	9.8%	7.5%	5.5%	3.9%	5.8%	6.2%	5.4%
10 th	3.6%	3.1%	25.4%	5.6%	9.2%	7.4%	5.3%	9.6%	3.0%	7.7%	3.8%	5.1%	6.2%	4.9%
11 th	3.2%	2.8%	26.4%	5.7%	4.6%	7.9%	6.8%	9.7%	1.1%	11.0%	4.8%	4.5%	6.6%	4.7%
12 th	2.9%	2.5%	13.8%	7.2%	1.7%	8.6%	11.3%	8.9%	0.3%	17.8%	7.1%	4.9%	7.6%	5.4%
13 th	2.3%	2.0%	3.4%	7.8%	0.4%	8.0%	14.7%	6.3%	0.1%	24.6%	12.7%	4.9%	6.8%	6.1%
14 th	1.6%	0.9%	0.3%	4.7%	0.0%	6.8%	10.0%	2.9%	0.0%	22.9%	36.5%	4.2%	3.4%	7.0%

Table 2: Expected team results in terms of number of points and ranking probability at the end of the season.

2 Pre-season

2.1 Lineups

- Brawn Cocktail (Leeds): Allan Johnson (4.3)–Alfredo Alcarria (4.2)
- BURP (Leeds): Joris Gootjes (5.0)–Ricardo Raul (4.7)
- forkBOMB (Southampton): Germain Grisel (0.8)–Mitesh Agrawal (0.4)
- Holliman Motors (Leeds): Simao Faria (3.0)–Udo Krallinger (1.6)
- Hunt Racing (Leeds): Jiang Lin (0.7)–Fabian Metzger (0.6)
- JFS Racing (Leeds): Alexander Koltsov (3.4)–Philipp Krafft (3.2)
- Maca Motorsport (Nott. Trent): Carlos Arizaga (3.1)–Esteban Campos (2.3)
- Put the Vettel (Leeds): Clayton Swift (2.2)–Josh Palmer (1.9)
- Shakamosport (Sheffield): Alfonso Llave (0.2)–Darren Tremblay (0.0)
- Team CHRacing22 (Leeds): Michel Fabron (4.8)–Cyprien Monnereau (3.3)
- Team Green (Leeds): Felix Wollen (2.6)–Janne Nurmella (1.2)
- VW Polo Loco's (Leeds): David Wilkinson (4.9)–Luigi Disanti (3.7)
- Yours Trulli (Leeds): Aaron Kilpatrick (1.8)–Akiko Tomiko (1.3)
- Zaporozhets (Bauman (RUS)): Fabrizio Panduri (2.8)–Mark Winkelmann (2.1)

2.2 Expected results

Pos	Driver	Team	Points	Pos	Driver	Team	Points
1	David WILKINSON	VW Polo Loco's	177	15	Aaron KILPATRICK	Yours Trulli	38
2	Joris GOOTJES	BURP	160	16	Darren TREMBLAY	Shakamosport	38
3	Ricardo RAUL	BURP	111	17	Germain GRISEL	forkBOMB	35
4	Allan JOHNSON	Brawn Cocktail	83	18	Fabian METZGER	Hunt Racing	33
5	Carlos ARIZAGA	Maca Motorsport	76	19	Esteban CAMPOS	Maca Motorsport	32
6	Luigi DISANTI	VW Polo Loco's	73	20	Michel FABRON	Team CHRacing22	23
7	Alfredo ALCARRIA	Brawn Cocktail	69	21	Mitesh AGRAWAL	forkBOMB	19
8	Alexander KOLTISOV	JFS Racing	67	22	Cyprien MONNEREAU	Team CHRacing22	16
9	Philipp KRAFFT	JFS Racing	59	23	Clayton SWIFT	Put the Vettel	14
10	Simao FARIA	Holliman Motors	54	24	Akiko TOMIKO	Yours Trulli	14
11	Alfonso LLAVE	Shakamosport	49	25	Udo KRALLINGER	Holliman Motors	11
12	Felix WOLLEN	Team Green	47	26	Josh PALMER	Put the Vettel	8
13	Jiang LIN	Hunt Racing	43	27	Mark WINKELMANN	Zaporozhets	7
14	Fabrizio PANDURI	Zaporozhets	40	28	Janne NURMELLA	Team Green	1

Table 3: Expected driver results.

	Brawn Cocktail (Leeds)	BURP (Leeds)	forkBOMB (Southampton)	Holliman Motors (Leeds)	Hunt Racing (Leeds)	JFS Racing (Leeds)	Maca Motorsport (Nott. Trent)	Put the Vettel (Leeds)	Shakamosport (Sheffield)	Team CHRacing22 (Leeds)	Team Green (Leeds)	VW Polo Loco's (Leeds)	Yours Trulli (Leeds)	Zaporozhets (BMSTU)
Pts	152	271	54	65	76	126	108	22	87	40	48	250	53	48
1 st	0.0%	69.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	31.0%	0.0%	0.0%
2 nd	0.4%	30.5%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	68.8%	0.0%	0.0%
3 rd	78.6%	0.4%	0.0%	0.0%	0.0%	20.5%	0.3%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
4 th	20.5%	0.1%	0.0%	0.0%	0.1%	52.3%	25.5%	0.0%	1.1%	0.4%	0.0%	0.0%	0.0%	0.0%
5 th	0.4%	0.0%	0.0%	0.0%	2.5%	16.8%	65.0%	0.0%	14.0%	1.2%	0.0%	0.0%	0.0%	0.0%
6 th	0.0%	0.0%	0.0%	1.6%	20.8%	6.0%	8.1%	0.0%	60.1%	3.2%	0.0%	0.0%	0.1%	0.0%
7 th	0.0%	0.0%	0.8%	18.5%	52.6%	2.5%	1.0%	0.0%	17.8%	5.6%	0.0%	0.0%	1.2%	0.2%
8 th	0.0%	0.0%	7.1%	54.2%	15.1%	0.8%	0.1%	0.0%	4.5%	6.8%	0.7%	0.0%	9.0%	1.8%
9 th	0.0%	0.0%	29.1%	17.1%	4.6%	0.3%	0.0%	0.0%	1.4%	6.9%	5.4%	0.0%	26.8%	8.4%
10 th	0.0%	0.0%	31.4%	5.1%	1.9%	0.2%	0.0%	0.0%	0.6%	5.5%	18.4%	0.0%	20.8%	16.0%
11 th	0.0%	0.0%	16.8%	2.1%	1.1%	0.1%	0.0%	0.1%	0.3%	5.6%	34.9%	0.0%	14.8%	24.1%
12 th	0.0%	0.0%	10.3%	1.0%	0.9%	0.1%	0.0%	1.1%	0.3%	7.1%	30.7%	0.0%	17.0%	31.6%
13 th	0.0%	0.0%	4.3%	0.3%	0.4%	0.1%	0.0%	25.8%	0.1%	32.1%	9.7%	0.0%	9.7%	17.4%
14 th	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	73.0%	0.0%	25.7%	0.0%	0.0%	0.6%	0.4%

Table 4: Expected team results.

3 Results

Rk	Firstname	LASTNAME	NAT	Team	SPA	BEL	USA	JAP	CAN	HUN	MON	ITA	FRA	AUS	TOTAL
1	David	WILKINSON	GBR	VW Polo Loco's	DNF	25	25	DNF	25	5	20	16	16	25	157
2	Ricardo	RAUL	BRA	BURP	25	20	3	25	16	25	DNF	DNF	20	20	154
3	Joris	GOOTJES	NED	BURP	20	DNF	7	20	20	DNF	25	2	25	DNF	119
4	Alfredo	ALCARRIA	SPA	Brawn Cocktail	16	4	9	11	13	1	16	11	3	DNF	84
5	Allan	JOHNSON	GBR	Brawn Cocktail	13	11	8	5	11	17 th	13	6	DNF	13	80
6	Fabrizio	PANDURI	ITA	Zaporozhets	6	16	6	9	3	9	6	4	9	9	77
7	Alfonso	LLAVE	SPA	Shakamosport	11	3	20	20 th	4	22 nd	21 st	25	6	7	76
8	Luigi	DISANTI	ITA	VW Polo Loco's	DNF	5	16	7	DNF	16 th	11	10	13	11	73
9	Carlos	ARIZAGA	ARG	Maca Motorsport	10	19 th	4	10	16 th	16	7	17 th	11	6	64
10	Fabian	METZGER	SWI	Hunt Racing	9	8	13	18 th	5	2	17 th	20	5	1	63
11	Germain	GRISEL	FRA	forkBOMB	7	13	16 th	8	17 th	20	1	19 th	1	18 th	50
12	Philipp	KRAFFT	GER	JFS Racing	DNF	18 th	21 st	13	DNF	7	10	9	25 th	8	47
13	Simao	FARIA	POR	Holliman Motors	18 th	17 th	22 nd	16 th	DNF	4	8	7	10	16	45
14	Jiang	LIN	CHI	Hunt Racing	16 th	6	10	17 th	9	18 th	2	13	16 th	4	44
15	Alexander	KOLTSOV	RUS	JFS Racing	17 th	7	20 th	16	DNF	10	DNF	DNF	23 rd	10	43
16	Mitesh	AGRAWAL	IND	forkBOMB	19 th	10	19 th	3	8	11	18 th	18 th	8	21 st	40
17	Darren	TREMBLAY	CAN	Shakamosport	1	9	11	19 th	2	20 th	22 nd	8	7	20 th	38
18	Aaron	KILPATRICK	IRL	Yours Trulli	3	2	1	6	10	DNF	3	DNF	4	3	32
19	Esteban	CAMPOS	MEX	Maca Motorsport	5	21 st	17 th	22 nd	19 th	13	4	16 th	2	5	29
20	Akiko	TOMIKO	JAP	Yours Trulli	2	DNF	2	4	7	8	19 th	20 th	17 th	16 th	23
21	Mark	WINKELMANN	GER	Zaporozhets	4	16 th	5	2	1	3	5	1	18 th	17 th	21
22	Felix	WOLLEN	GER	Team Green	21 st	23 rd	24 th	24 th	20 th	6	9	DNF	22 nd	22 nd	15
23	Clayton	SWIFT	USA	Put the Vettel	8	1	18 th	DNF	DNF	DNF	DNF	DNF	DNF	DNF	9
24	Josh	PALMER	AUS	Put the Vettel	DNF	DNF	DNF	1	6	DNF	DNF	DNF	21 st	23 rd	7
25	Michel	FABRON	FRA	Team CHRacing22	DNF	DNF	DNF	23 rd	DNF	DNF	DNF	5	19 th	DNF	5
26	Udo	KRALLINGER	GER	Holliman Motors	20 th	20 th	23 rd	21 st	18 th	21 st	20 th	3	DNF	2	5
27	Janne	NURMELA	FIN	Team Green	22 nd	22 nd	25 th	25 th	21 st	19 th	16 th	21 st	24 th	24 th	0
28	Cyprien	MONNEREAU	FRA	Team CHRacing22	DNF	DNF	DNF	DNF	DNF	DNF	DNF	DNF	20 th	19 th	0

Figure 1: Drivers championship final standings.

Rk	Team	University	SPA	BEL	USA	JAP	CAN	HUN	MON	ITA	FRA	AUS	TOTAL
1	BURP	Leeds	45	20	10	45	36	25	25	2	45	20	273
2	VW Polo Loco's	Leeds	DNF	30	41	7	25	5	31	26	29	36	230
3	Brawn Cocktail	Leeds	29	15	17	16	24	1	29	17	3	13	164
4	Shakamosport	Sheffield	12	12	31	19 th	6	20 th	21 st	33	13	7	114
5	Hunt Racing	Leeds	9	14	23	17 th	14	2	2	33	5	5	107
6	Zaporozhets	Bauman (RUS)	10	16	11	11	4	12	11	5	9	9	98
7	Maca Motorsport	NTU	15	19 th	4	10	16 th	29	11	16 th	13	11	93
8	forkBOMB	Southampton	7	23	16 th	11	8	31	1	18 th	9	18 th	90
9	JFS Racing	Leeds	17 th	7	20 th	29	DNF	17	10	9	23 rd	18	90
10	Yours Trulli	Leeds	5	2	3	10	17	8	3	20 th	4	3	55
11	Holliman Motors	Leeds	18 th	17 th	22 nd	16 th	18 th	4	8	10	10	18	50
12	Put the Vettel	Leeds	8	1	18 th	1	6	DNF	DNF	DNF	21 st	23 rd	16
13	Team Green	Leeds	21 st	22 nd	24 th	24 th	20 th	6	9	21 st	22 nd	22 nd	15
14	Team CHRacing22	Leeds	DNF	DNF	DNF	23 rd	DNF	DNF	DNF	5	19 th	19 th	5

Figure 2: Team championship final standings.