

WATKINS_GLEN: Condensed Master Data Table

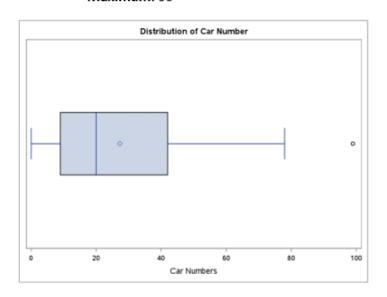
	car_number					(#) start	# finish	# points	⊕ lap	(#) lap_time	⊕ lap_speed	# running_position
1	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	1	76.753	114.914	4
2	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	2	73.503	119.995	3
3	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	3	73.377	120.201	3
4	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	4	73.26	120.393	3
5	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	5	73.502	119.997	3
6	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	6	73.681	119.705	3
7	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	7	74.546	118.316	3
8	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	8	74.067	119.081	3
9	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	9	74.446	118.475	3
10	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	10	74.904	117.751	2
11	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	11	173.885	50.723	2
12	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	12	207.772	42.45	2
13	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	13	75.01	117.584	2
14	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	14	73.483	120.028	2
15	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	15	73.861	119.413	2
16	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	16	73.972	119.234	2
17	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	17	74.322	118.673	2
18	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	18	74.225	118.828	2
19	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	19	74.548	118.313	2
20	5	Kyle Larson	Chevrolet	Hendrick Motorsports	HendrickCars.com	4	1	56	20	74.328	118.663	2

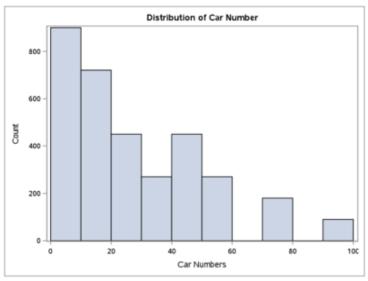
car number

Description: The driver's car number

Data Type: numeric

Minimum: 0 1st Quartile: 9 Median: 20 Mean: 27.32 3rd Quartile: 42 Maximum: 99





driver

Description: The first and last name of the driver

Data Type: character

Number of Unique Drivers: 37

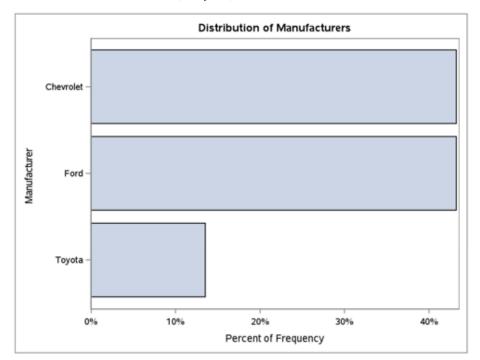
Drivers: Kyle Larson, Chase Elliott, Martin Truex Jr., Kyle Busch, Denny Hamlin, William Byron, Christopher Bell, Kevin Harvick, Chase Briscoe, Tyler Reddick, Matt DiBenedetto, Ross Chastain, Kurt Busch, Ryan Blaney, Austin Dillon, Aric Almirola, Chris Buescher, Cole Custer, Ricky Stenhouse Jr., Alex Bowman, Michael McDowell, Joey Logano, Bubba Wallace, Corey LaJoie, Ryan Newman, Anthony Alfredo, Erik Jones, Ryan Preece, Justin Haley, Kyle Tilley, Daniel Suarez, Quin Houff, Josh Bilicki, RC Enerson, Brad Keselowski, Garrett Smithley, James Davison

manufacturer

Description: The make of the car

Data Type: character

Number of Unique Manufacturers: 3
Manufacturers: Chevrolet, Toyota, Ford



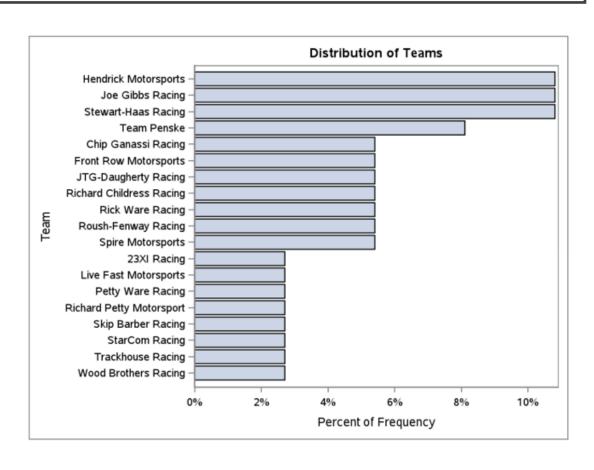
team

Description: The motorsport team to which the driver belongs

Data Type: character

Number of Unique Teams: 19

Teams: Hendrick Motorsports, Joe Gibbs Racing, Stewart-Haas Racing, Richard Childress Racing, Wood Brothers Racing, Chip Ganassi Racing, Team Penske, Roush-Fenway Racing, JTG-Daugherty Racing, Front Row Motorsports, 23XI Racing, Spire Motorsports, Richard Petty Motorsports, Live Fast Motorsports, Trackhouse Racing, StarCom Racing, Rick Ware Racing, Skip Barber Racing, Petty Ware Racing



sponsor

Description: The driver's primary sponsor(s) of the driver's race car

Data Type: character

Number of Unique Sponsors: 36

Sponsors: HendrickCars.com, NAPA Auto Parts, Reser's Fine Foods, Snickers, FedEx Express, Axalta, STANLEY, Busch Light Apple, HighPoint.com, Chevrolet Accessories, Menards/Moen, MyMcDonald's Rewards, Monster Energy, DEX Imaging, Cowboy Channel, Go Bowling, socios.com, HaasTooling.com, Kroger/Bush's Beans, Ally, CarParts.com, Verizon 5G, Toyota, Nations Guard, Bence Motor Sales, Clean Harbors, Kleenex, Fraternal Order of Eagles, Bremont Chronometers, Good Sam, Fare/Share, Insurance King, Lucas Oil School of Racing, Wabash National, Skip Barber Racing, Nurtec ODT

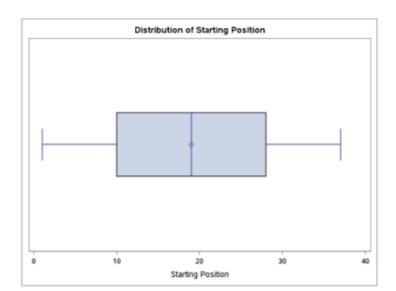
start

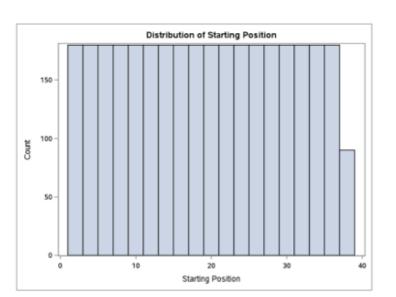
Description: The position where the driver started the race

Data Type: numeric

Minimum: 1 1st Quartile: 10 Median: 19 Mean: 19

3rd Quartile: 28 Maximum: 37





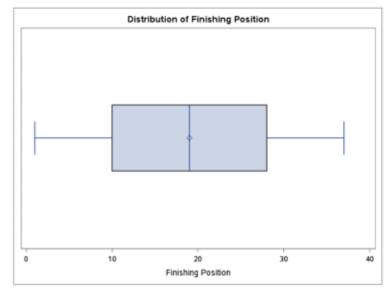
finish

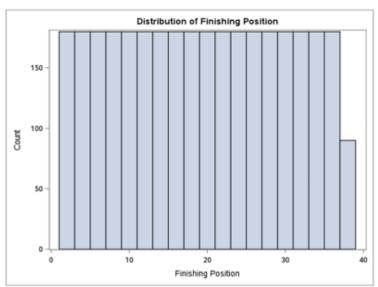
Description: The position where the driver finished the race

Data Type: numeric

Minimum: 1 1st Quartile: 10 Median: 19 Mean: 19 3rd Quartile: 28

Maximum: 37



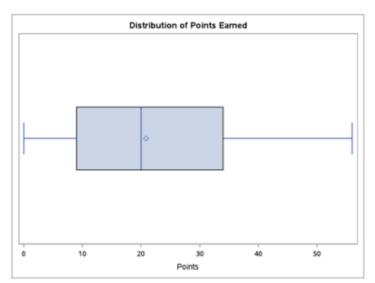


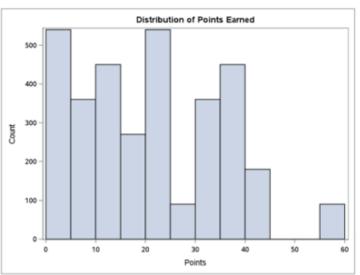
points

Description: The total number of points that the driver earned throughout the race

Data Type: numeric

Minimum: 0 1st Quartile: 9 Median: 20 Mean: 20.86 3rd Quartile: 34 Maximum: 56



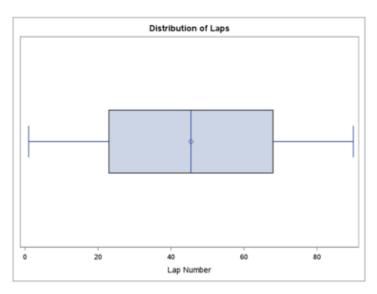


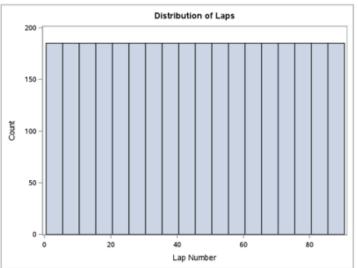
lap

Description: The lap number in the race

Data Type: numeric

Minimum: 1 1st Quartile: 23 Median: 45.5 Mean: 45.5 3rd Quartile: 68 Maximum: 90

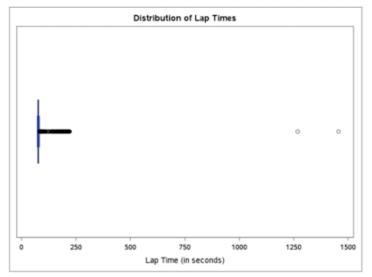


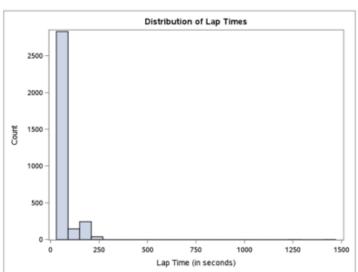


lap_time

Description: The overall time of the lap (in seconds)

Data Type: numeric Minimum: 72.63 1st Quartile: 75.08 Median: 75.83 Mean: 88.93 3rd Quartile: 77.78 Maximum: 1,456.19



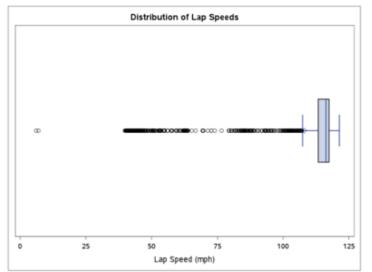


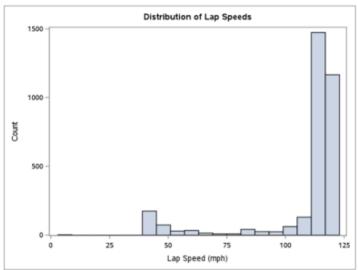
lap speed

Description: The overall speed of the lap (in miles per hour)

Data Type: numeric Minimum: 6.06 1st Quartile: 113.40 Median: 116.31 Mean: 108.08 3rd Quartile: 117.48

Maximum: 121.43





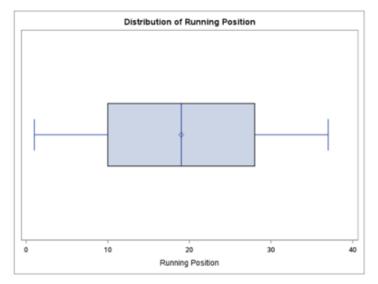
running position

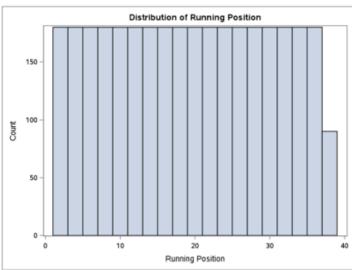
Description: The position the driver was scored in for that lap

Data Type: numeric

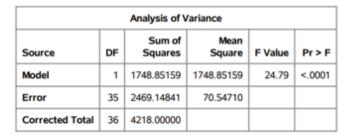
Minimum: 1 1st Quartile: 10 Median: 19 Mean: 19 3rd Quartile: 28

Maximum: 37



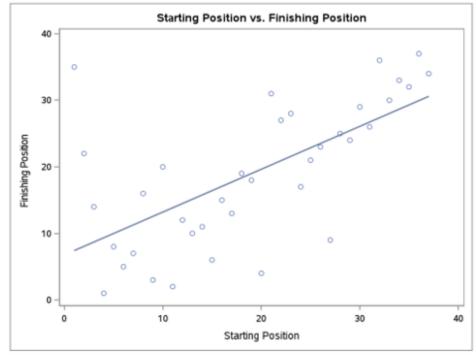


Start vs. Finish



Root MSE	8.39923	R-Square	0.4146
Dependent Mean	19.00000	Adj R-Sq	0.3979
Coeff Var	44.20648		

Parameter Estimates										
Variable DF		Parameter Estimate	Standard Error	t Value	Pr > t					
Intercept	1	6.76577	2.81860	2.40	0.0218					
Start	1	0.64391	0.12933	4.98	<.0001					

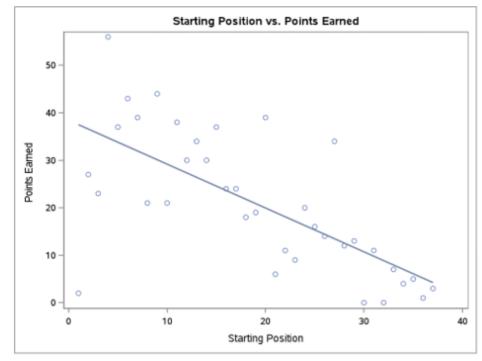


Start vs. Points

Analysis of Variance									
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F				
Model	1	3600.42888	3600.42888	30.34	<.0001				
Error	35	4153.89545	118.68273						
Corrected Total	36	7754.32432							

Root MSE	10.89416	R-Square	0.4643
Dependent Mean	20.86486	Adj R-Sq	0.4490
Coeff Var	52.21294		

Parameter Estimates											
Variable DF		Parameter Estimate	Standard Error	t Value	Pr > t						
Intercept	1	38.41892	3.65584	10.51	<.0001						
Start	1	-0.92390	0.16774	-5.51	<.0001						

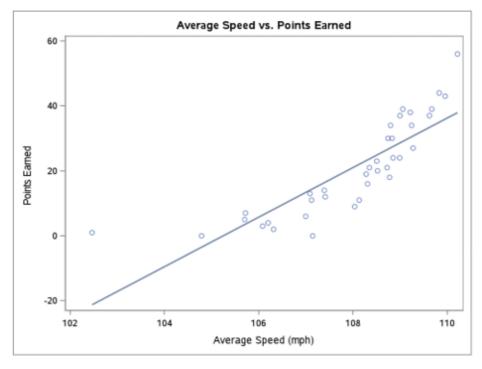


Average Speed vs. Points

Analysis of Variance									
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F				
Model	1	5529.82615	5529.82615	87.01	<.0001				
Error	35	2224.49817	63.55709						
Corrected Total	36	7754.32432							

Root MSE	7.97227	R-Square	0.7131
Dependent Mean	20.86486	Adj R-Sq	0.7049
Coeff Var	38.20907		

Parameter Estimates								
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t			
Intercept	1	-802.86564	88.32004	-9.09	<.0001			
Average_Speed	1	7.62818	0.81780	9.33	<.0001			

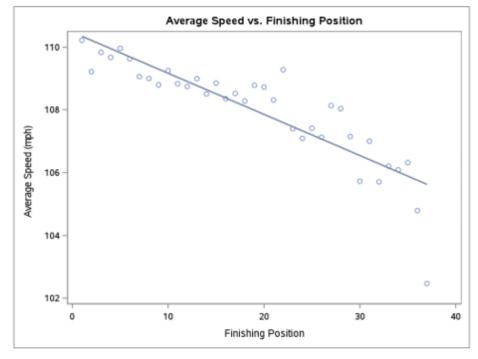


Average Speed vs. Finish

Analysis of Variance									
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F				
Model	1	3217.95948	3217.95948	112.62	<.0001				
Error	35	1000.04052	28.57259						
Corrected Total	36	4218.00000							

Root MSE	5.34533	R-Square	0.7629
Dependent Mean	19.00000	Adj R-Sq	0.7561
Coeff Var	28.13333		

Parameter Estimates								
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t			
Intercept	1	647.37616	59.21777	10.93	<.0001			
Average_Speed	1	-5.81910	0.54833	-10.61	<.0001			

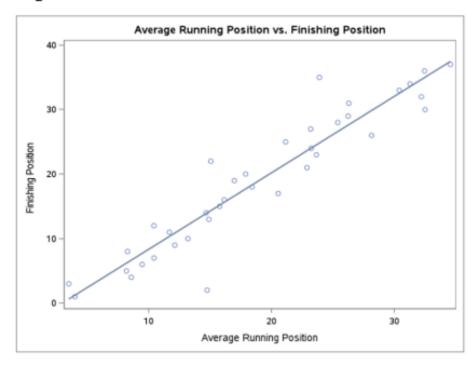


Average Running Position vs. Finish

Analysis of Variance							
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F		
Model	1	3748.73880	3748.73880	279.60	<.0001		
Error	35	469.26120	13.40746				
Corrected Total	36	4218.00000					

Root MSE	3.66162	R-Square	0.8887
Dependent Mean	19.00000	Adj R-Sq	0.8856
Coeff Var	19.27169		

Parameter Estimates							
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t		
Intercept	1	-3.55638	1.47718	-2.41	0.0215		
Average_Running_Position	1	1.18718	0.07100	16.72	<.0001		



Finish = -3.55638 + 1.18718 x Average_Running_Position

Average Running Position vs. Points

Analysis of Variance								
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F			
Model	1	6914.12262	6914.12262	288.02	<.0001			
Error	35	840.20170	24.00576					
Corrected Total	36	7754.32432						

Root MSE	4.89957	R-Square	0.8916
Dependent Mean	20.86486	Adj R-Sq	0.8886
Coeff Var	23.48238		

Parameter Estimates							
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t		
Intercept	1	51.49828	1.97660	26.05	<.0001		
Average_Running_Position	1	-1.61228	0.09500	-16.97	<.0001		

