

Obs	recld	action_type	combined_shot_type	game_event_id	game_id	lat	loc_x	loc_y	lon	minutes_remaining	period
1	1	Jump Shot	Jump Shot	12	20000012	34.0443	-157	0	-118.4268	10	1
2	2	Jump Shot	Jump Shot	35	20000012	33.9093	-101	135	-118.3708	7	1
3	3	Jump Shot	Jump Shot	43	20000012	33.8693	138	175	-118.1318	6	1
4	4	Driving Dunk Shot	Dunk	155	20000012	34.0443	0	0	-118.2698	6	2
5	5	Jump Shot	Jump Shot	244	20000012	34.0553	-145	-11	-118.4148	9	3
6	6	Layup Shot	Layup	251	20000012	34.0443	0	0	-118.2698	8	3
7	7	Jump Shot	Jump Shot	265	20000012	33.9363	-65	108	-118.3348	6	3
8	8	Running Jump Shot	Jump Shot	294	20000012	33.9193	-33	125	-118.3028	3	3
9	9	Jump Shot	Jump Shot	309	20000012	33.8063	-94	238	-118.3638	1	3
10	12	Jump Shot	Jump Shot	4	20000019	33.9173	121	127	-118.1488	11	1

Obs	playoffs	season	seconds_remaining	shot_distance	shot_made_flag	shot_type	shot_zone_area	shot_zone_basic
1	0	2000-01	22	15	0	2PT Field Goal	Left Side(L)	Mid-Range
2	0	2000-01	45	16	1	2PT Field Goal	Left Side Center(LC)	Mid-Range
3	0	2000-01	52	22	0	2PT Field Goal	Right Side Center(RC)	Mid-Range
4	0	2000-01	19	0	1	2PT Field Goal	Center(C)	Restricted Area
5	0	2000-01	32	14	0	2PT Field Goal	Left Side(L)	Mid-Range
6	0	2000-01	52	0	1	2PT Field Goal	Center(C)	Restricted Area
7	0	2000-01	12	12	1	2PT Field Goal	Left Side(L)	In The Paint (Non-RA)
8	0	2000-01	36	12	0	2PT Field Goal	Center(C)	In The Paint (Non-RA)
9	0	2000-01	56	25	0	3PT Field Goal	Left Side Center(LC)	Above the Break 3
10	0	2000-01	0	17	1	2PT Field Goal	Right Side Center(RC)	Mid-Range

Obs	shot_zone_range	team_id	team_name	game_date	matchup	opponent	shot_id	attendance	arena_temp	avgnoisedb
1	8-16 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	2	14707	69	94.06
2	16-24 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	3	14707	69	94.06
3	16-24 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	4	14707	69	94.06
4	Less Than 8 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	5	14707	69	94.06
5	8-16 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	6	14707	69	94.06
6	Less Than 8 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	7	14707	69	94.06
7	8-16 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	9	14707	69	94.06
8	8-16 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	10	14707	69	94.06
9	24+ ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	11	14707	69	94.06
10	16-24 ft.	1610612747	Los Angeles Lakers	11/01/2000	LAL vs. UTA	UTA	12	15851	69	95.71

## The CONTENTS Procedure

<b>Data Set Name</b>	WORK.TRAIN	<b>Observations</b>	25697
<b>Member Type</b>	DATA	<b>Variables</b>	29
<b>Engine</b>	V9	<b>Indexes</b>	0
<b>Created</b>	11/23/2018 14:36:50	<b>Observation Length</b>	304
<b>Last Modified</b>	11/23/2018 14:36:50	<b>Deleted Observations</b>	0
<b>Protection</b>		<b>Compressed</b>	NO
<b>Data Set Type</b>		<b>Sorted</b>	NO
<b>Label</b>			
<b>Data Representation</b>	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
<b>Encoding</b>	utf-8 Unicode (UTF-8)		

## Engine/Host Dependent Information

<b>Data Set Page Size</b>	131072
<b>Number of Data Set Pages</b>	60
<b>First Data Page</b>	1
<b>Max Obs per Page</b>	430
<b>Obs in First Data Page</b>	411
<b>Number of Data Set Repairs</b>	0
<b>Filename</b>	/saswork/SAS_workA2620001DD7A_odaws02-prod-us/SAS_work6A960001DD7A_odaws02-prod-us/train.sas7bdat
<b>Release Created</b>	9.0401M5
<b>Host Created</b>	Linux
<b>Inode Number</b>	417848
<b>Access Permission</b>	rw-r--r--
<b>Owner Name</b>	bfriedrich0
<b>File Size</b>	8MB
<b>File Size (bytes)</b>	7995392

## Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Format	Informat	Label
2	action_type	Char	31	\$31.	\$31.	action_type
28	arena_temp	Num	8	BEST.		arena_temp
27	attendance	Num	8	BEST.		attendance
29	avgnosedb	Num	8	BEST.		avgnosedb
3	combined_shot_type	Char	9	\$9.	\$9.	combined_shot_type
23	game_date	Num	8	MMDDYY10.		game_date
4	game_event_id	Num	8	BEST.		game_event_id
5	game_id	Num	8	BEST.		game_id
6	lat	Num	8	BEST.		lat
7	loc_x	Num	8	BEST.		loc_x
8	loc_y	Num	8	BEST.		loc_y
9	lon	Num	8	BEST.		lon
24	matchup	Char	11	\$11.	\$11.	matchup
10	minutes_remaining	Num	8	BEST.		minutes_remaining
25	opponent	Char	3	\$3.	\$3.	opponent
11	period	Num	8	BEST.		period
12	playoffs	Num	8	BEST.		playoffs
1	recId	Num	8	BEST.		recId
13	season	Char	7	\$7.	\$7.	season
14	seconds_remaining	Num	8	BEST.		seconds_remaining
15	shot_distance	Num	8	BEST.		shot_distance
26	shot_id	Num	8	BEST.		shot_id
16	shot_made_flag	Num	8	BEST.		shot_made_flag
17	shot_type	Char	14	\$14.	\$14.	shot_type
18	shot_zone_area	Char	21	\$21.	\$21.	shot_zone_area

The CONTENTS Procedure

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat Label
19	shot_zone_basic	Char	21	\$21.	\$21. shot_zone_basic
20	shot_zone_range	Char	15	\$15.	\$15. shot_zone_range
21	team_id	Num	8	BEST.	team_id
22	team_name	Char	18	\$18.	\$18. team_name

### The MEANS Procedure

Variable	Label	N	
		N	Miss
recId	recId	25697	0
game_event_id	game_event_id	25697	0
game_id	game_id	25697	0
lat	lat	25697	0
loc_x	loc_x	25697	0
loc_y	loc_y	25697	0
lon	lon	25697	0
minutes_remaining	minutes_remaining	25697	0
period	period	25697	0
playoffs	playoffs	25697	0
seconds_remaining	seconds_remaining	25697	0
shot_distance	shot_distance	25697	0
shot_made_flag	shot_made_flag	25697	0
team_id	team_id	25697	0
game_date	game_date	25697	0
shot_id	shot_id	25697	0
attendance	attendance	25697	0
arena_temp	arena_temp	25697	0
avgnoisedb	avgnoisedb	25697	0

### The MEANS Procedure

Variable	Label	N	
		N	Miss
recId	recId	25697	0
game_event_id	game_event_id	25697	0
game_id	game_id	25697	0
lat	lat	25697	0
loc_x	loc_x	25697	0
loc_y	loc_y	25697	0
lon	lon	25697	0
minutes_remaining	minutes_remaining	25697	0
period	period	25697	0
playoffs	playoffs	25697	0
seconds_remaining	seconds_remaining	25697	0
shot_distance	shot_distance	25697	0
shot_made_flag	shot_made_flag	25697	0
team_id	team_id	25697	0
game_date	game_date	25697	0
shot_id	shot_id	25697	0
attendance	attendance	25697	0
arena_temp	arena_temp	25697	0
avgnoisedb	avgnoisedb	25697	0

Obs	reclD	action_type	combined_shot_type	game_event_id	game_id	lat	loc_x	loc_y	lon	minutes_remaining	period
1	1	Jump Shot	Jump Shot	12	20000012	34.0443	-157	0	-118.4268	10	1
2	2	Jump Shot	Jump Shot	35	20000012	33.9093	-101	135	-118.3708	7	1
3	3	Jump Shot	Jump Shot	43	20000012	33.8693	138	175	-118.1318	6	1
4	4	Driving Dunk Shot	Dunk	155	20000012	34.0443	0	0	-118.2698	6	2
5	5	Jump Shot	Jump Shot	244	20000012	34.0553	-145	-11	-118.4148	9	3
6	6	Layup Shot	Layup	251	20000012	34.0443	0	0	-118.2698	8	3
7	7	Jump Shot	Jump Shot	265	20000012	33.9363	-65	108	-118.3348	6	3
8	8	Running Jump Shot	Jump Shot	294	20000012	33.9193	-33	125	-118.3028	3	3
9	9	Jump Shot	Jump Shot	309	20000012	33.8063	-94	238	-118.3638	1	3
10	12	Jump Shot	Jump Shot	4	20000019	33.9173	121	127	-118.1488	11	1

Obs	playoffs	season	seconds_remaining	shot_distance	shot_made_flag	shot_type	shot_zone_area	shot_zone_basic	shot_zone_range
1	0	2000-01	22	15	0	2PT Field Goal	Left Side(L)	Mid-Range	8-16 ft.
2	0	2000-01	45	16	1	2PT Field Goal	Left Side Center(LC)	Mid-Range	16-24 ft.
3	0	2000-01	52	22	0	2PT Field Goal	Right Side Center(RC)	Mid-Range	16-24 ft.
4	0	2000-01	19	0	1	2PT Field Goal	Center(C)	Restricted Area	Less Than 8 ft.
5	0	2000-01	32	14	0	2PT Field Goal	Left Side(L)	Mid-Range	8-16 ft.
6	0	2000-01	52	0	1	2PT Field Goal	Center(C)	Restricted Area	Less Than 8 ft.
7	0	2000-01	12	12	1	2PT Field Goal	Left Side(L)	In The Paint (Non-RA)	8-16 ft.
8	0	2000-01	36	12	0	2PT Field Goal	Center(C)	In The Paint (Non-RA)	8-16 ft.
9	0	2000-01	56	25	0	3PT Field Goal	Left Side Center(LC)	Above the Break 3	24+ ft.
10	0	2000-01	0	17	1	2PT Field Goal	Right Side Center(RC)	Mid-Range	16-24 ft.

Obs	team_id	team_name	game_date	matchup	opponent	shot_id	attendance	arena_temp	avgnoisedb	periods_remaining2
1	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	2	14707	69	94.06	14
2	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	3	14707	69	94.06	14
3	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	4	14707	69	94.06	14
4	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	5	14707	69	94.06	28
5	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	6	14707	69	94.06	42
6	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	7	14707	69	94.06	42
7	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	9	14707	69	94.06	42
8	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	10	14707	69	94.06	42
9	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	11	14707	69	94.06	42
10	1610612747	Los Angeles Lakers	11/01/2000	LAL vs. UTA	UTA	12	15851	69	95.71	14

Obs	recl	action_type	combined_shot_type	game_event_id	game_id	lat	loc_x	loc_y	lon	minutes_remaining	period	playoffs
1	1	Jump Shot	Jump Shot	12	20000012	34.0443	-157	0	-118.4268	10	1	0
2	2	Jump Shot	Jump Shot	35	20000012	33.9093	-101	135	-118.3708	7	1	0
3	3	Jump Shot	Jump Shot	43	20000012	33.8693	138	175	-118.1318	6	1	0
4	4	Driving Dunk Shot	Dunk	155	20000012	34.0443	0	0	-118.2698	6	2	0
5	5	Jump Shot	Jump Shot	244	20000012	34.0553	-145	-11	-118.4148	9	3	0
6	6	Layup Shot	Layup	251	20000012	34.0443	0	0	-118.2698	8	3	0
7	7	Jump Shot	Jump Shot	265	20000012	33.9363	-65	108	-118.3348	6	3	0
8	8	Running Jump Shot	Jump Shot	294	20000012	33.9193	-33	125	-118.3028	3	3	0

Obs	season	seconds_remaining	shot_distance	shot_made_flag	shot_type	shot_zone_area	shot_zone_basic	shot_zone_range	team_id
1	2000-01	22	15	0	2PT Field Goal	Left Side(L)	Mid-Range	8-16 ft.	1610612747
2	2000-01	45	16	1	2PT Field Goal	Left Side Center(LC)	Mid-Range	16-24 ft.	1610612747
3	2000-01	52	22	0	2PT Field Goal	Right Side Center(RC)	Mid-Range	16-24 ft.	1610612747
4	2000-01	19	0	1	2PT Field Goal	Center(C)	Restricted Area	Less Than 8 ft.	1610612747
5	2000-01	32	14	0	2PT Field Goal	Left Side(L)	Mid-Range	8-16 ft.	1610612747
6	2000-01	52	0	1	2PT Field Goal	Center(C)	Restricted Area	Less Than 8 ft.	1610612747
7	2000-01	12	12	1	2PT Field Goal	Left Side(L)	In The Paint (Non-RA)	8-16 ft.	1610612747
8	2000-01	36	12	0	2PT Field Goal	Center(C)	In The Paint (Non-RA)	8-16 ft.	1610612747

Obs	team_name	game_date	matchup	opponent	shot_id	attendance	arena_temp	avgnosedb	periods_remaining2	minutes_remaining2
1	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	2	14707	69	94.06	14	90
2	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	3	14707	69	94.06	14	63
3	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	4	14707	69	94.06	14	54
4	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	5	14707	69	94.06	28	54
5	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	6	14707	69	94.06	42	81
6	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	7	14707	69	94.06	42	72
7	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	9	14707	69	94.06	42	54
8	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	10	14707	69	94.06	42	27

Obs	reclid	action_type	combined_shot_type	game_event_id	game_id	lat	loc_x	loc_y	lon	minutes_remaining	period	playoffs
9	9	Jump Shot	Jump Shot	309	20000012	33.8063	-94	238	-118.3638	1	3	0
10	12	Jump Shot	Jump Shot	4	20000019	33.9173	121	127	-118.1488	11	1	0

Obs	season	seconds_remaining	shot_distance	shot_made_flag	shot_type	shot_zone_area	shot_zone_basic	shot_zone_range	team_id
9	2000-01	56	25	0	3PT Field Goal	Left Side Center(LC)	Above the Break 3	24+ ft.	1610612747
10	2000-01	0	17	1	2PT Field Goal	Right Side Center(RC)	Mid-Range	16-24 ft.	1610612747

Obs	team_name	game_date	matchup	opponent	shot_id	attendance	arena_temp	avgnoisedb	periods_remaining2	minutes_remaining2
9	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	11	14707	69	94.06	42	09
10	Los Angeles Lakers	11/01/2000	LAL vs. UTA	UTA	12	15851	69	95.71	14	99



Obs	recld	action_type	combined_shot_type	game_event_id	game_id	lat	loc_x	loc_y	lon	minutes_remaining	period	playoffs	season
1	1	Jump Shot	Jump Shot	12	20000012	34.0443	-157	0	-118.4268	10	1	0	2000-01
2	2	Jump Shot	Jump Shot	35	20000012	33.9093	-101	135	-118.3708	7	1	0	2000-01
3	3	Jump Shot	Jump Shot	43	20000012	33.8693	138	175	-118.1318	6	1	0	2000-01
4	4	Driving Dunk Shot	Dunk	155	20000012	34.0443	0	0	-118.2698	6	2	0	2000-01
5	5	Jump Shot	Jump Shot	244	20000012	34.0553	-145	-11	-118.4148	9	3	0	2000-01
6	6	Layup Shot	Layup	251	20000012	34.0443	0	0	-118.2698	8	3	0	2000-01
7	7	Jump Shot	Jump Shot	265	20000012	33.9363	-65	108	-118.3348	6	3	0	2000-01
8	8	Running Jump Shot	Jump Shot	294	20000012	33.9193	-33	125	-118.3028	3	3	0	2000-01

Obs	seconds_remaining	shot_distance	shot_made_flag	shot_type	shot_zone_area	shot_zone_basic	shot_zone_range	team_id	team_name
1	22	15	0	2PT Field Goal	Left Side(L)	Mid-Range	8-16 ft.	1610612747	Los Angeles Lakers
2	45	16	1	2PT Field Goal	Left Side Center(LC)	Mid-Range	16-24 ft.	1610612747	Los Angeles Lakers
3	52	22	0	2PT Field Goal	Right Side Center(RC)	Mid-Range	16-24 ft.	1610612747	Los Angeles Lakers
4	19	0	1	2PT Field Goal	Center(C)	Restricted Area	Less Than 8 ft.	1610612747	Los Angeles Lakers
5	32	14	0	2PT Field Goal	Left Side(L)	Mid-Range	8-16 ft.	1610612747	Los Angeles Lakers
6	52	0	1	2PT Field Goal	Center(C)	Restricted Area	Less Than 8 ft.	1610612747	Los Angeles Lakers
7	12	12	1	2PT Field Goal	Left Side(L)	In The Paint (Non-RA)	8-16 ft.	1610612747	Los Angeles Lakers
8	36	12	0	2PT Field Goal	Center(C)	In The Paint (Non-RA)	8-16 ft.	1610612747	Los Angeles Lakers

Obs	game_date	matchup	opponent	shot_id	attendance	arena_temp	avgnoisdb	periods_remaining2	minutes_remaining2	seconds_remaining2
1	10/31/2000	LAL @ POR	POR	2	14707	69	94.06	14	90	36
2	10/31/2000	LAL @ POR	POR	3	14707	69	94.06	14	63	75
3	10/31/2000	LAL @ POR	POR	4	14707	69	94.06	14	54	87
4	10/31/2000	LAL @ POR	POR	5	14707	69	94.06	28	54	31
5	10/31/2000	LAL @ POR	POR	6	14707	69	94.06	42	81	53
6	10/31/2000	LAL @ POR	POR	7	14707	69	94.06	42	72	87
7	10/31/2000	LAL @ POR	POR	9	14707	69	94.06	42	54	20
8	10/31/2000	LAL @ POR	POR	10	14707	69	94.06	42	27	60

Obs	recl	action_type	combined_shot_type	game_event_id	game_id	lat	loc_x	loc_y	lon	minutes_remaining	period	playoffs	season
9	9	Jump Shot	Jump Shot	309	20000012	33.8063	-94	238	-118.3638	1	3	0	2000-01
10	12	Jump Shot	Jump Shot	4	20000019	33.9173	121	127	-118.1488	11	1	0	2000-01

Obs	seconds_remaining	shot_distance	shot_made_flag	shot_type	shot_zone_area	shot_zone_basic	shot_zone_range	team_id	team_name
9	56	25	0	3PT Field Goal	Left Side Center(LC)	Above the Break 3	24+ ft.	1610612747	Los Angeles Lakers
10	0	17	1	2PT Field Goal	Right Side Center(RC)	Mid-Range	16-24 ft.	1610612747	Los Angeles Lakers

Obs	game_date	matchup	opponent	shot_id	attendance	arena_temp	avgnoisdb	periods_remaining2	minutes_remaining2	seconds_remaining2
9	10/31/2000	LAL @ POR	POR	11	14707	69	94.06	42	09	94
10	11/01/2000	LAL vs. UTA	UTA	12	15851	69	95.71	14	99	00

Obs	recld	action_type	combined_shot_type	game_event_id	game_id	lat	loc_x	loc_y	lon	minutes_remaining	period
1	1	Jump Shot	Jump Shot	12	20000012	34.0443	-157	0	-118.4268	10	1
2	2	Jump Shot	Jump Shot	35	20000012	33.9093	-101	135	-118.3708	7	1
3	3	Jump Shot	Jump Shot	43	20000012	33.8693	138	175	-118.1318	6	1
4	4	Driving Dunk Shot	Dunk	155	20000012	34.0443	0	0	-118.2698	6	2
5	5	Jump Shot	Jump Shot	244	20000012	34.0553	-145	-11	-118.4148	9	3
6	6	Layup Shot	Layup	251	20000012	34.0443	0	0	-118.2698	8	3
7	7	Jump Shot	Jump Shot	265	20000012	33.9363	-65	108	-118.3348	6	3
8	8	Running Jump Shot	Jump Shot	294	20000012	33.9193	-33	125	-118.3028	3	3
9	9	Jump Shot	Jump Shot	309	20000012	33.8063	-94	238	-118.3638	1	3
10	12	Jump Shot	Jump Shot	4	20000019	33.9173	121	127	-118.1488	11	1

Obs	playoffs	season	seconds_remaining	shot_distance	shot_made_flag	shot_type	shot_zone_area	shot_zone_basic
1	0	2000-01	22	15	0	2PT Field Goal	Left Side(L)	Mid-Range
2	0	2000-01	45	16	1	2PT Field Goal	Left Side Center(LC)	Mid-Range
3	0	2000-01	52	22	0	2PT Field Goal	Right Side Center(RC)	Mid-Range
4	0	2000-01	19	0	1	2PT Field Goal	Center(C)	Restricted Area
5	0	2000-01	32	14	0	2PT Field Goal	Left Side(L)	Mid-Range
6	0	2000-01	52	0	1	2PT Field Goal	Center(C)	Restricted Area
7	0	2000-01	12	12	1	2PT Field Goal	Left Side(L)	In The Paint (Non-RA)
8	0	2000-01	36	12	0	2PT Field Goal	Center(C)	In The Paint (Non-RA)
9	0	2000-01	56	25	0	3PT Field Goal	Left Side Center(LC)	Above the Break 3
10	0	2000-01	0	17	1	2PT Field Goal	Right Side Center(RC)	Mid-Range

Obs	shot_zone_range	team_id	team_name	game_date	matchup	opponent	shot_id	attendance	arena_temp	avgnoisedb
1	8-16 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	2	14707	69	94.06
2	16-24 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	3	14707	69	94.06
3	16-24 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	4	14707	69	94.06
4	Less Than 8 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	5	14707	69	94.06
5	8-16 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	6	14707	69	94.06
6	Less Than 8 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	7	14707	69	94.06
7	8-16 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	9	14707	69	94.06
8	8-16 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	10	14707	69	94.06
9	24+ ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	11	14707	69	94.06
10	16-24 ft.	1610612747	Los Angeles Lakers	11/01/2000	LAL vs. UTA	UTA	12	15851	69	95.71

Obs	periods_remaining2	minutes_remaining2	seconds_remaining2	pms_remaining
1	14	90	36	149036
2	14	63	75	146375
3	14	54	87	145487
4	28	54	31	285431
5	42	81	53	428153
6	42	72	87	427287
7	42	54	20	425420
8	42	27	60	422760
9	42	09	94	420994
10	14	99	00	149900

Obs	recld	action_type	combined_shot_type	game_event_id	game_id	lat	loc_x	loc_y	lon	minutes_remaining	period
1	1	Jump Shot	Jump Shot	12	20000012	34.0443	-157	0	-118.4268	10	1
2	2	Jump Shot	Jump Shot	35	20000012	33.9093	-101	135	-118.3708	7	1
3	3	Jump Shot	Jump Shot	43	20000012	33.8693	138	175	-118.1318	6	1
4	4	Driving Dunk Shot	Dunk	155	20000012	34.0443	0	0	-118.2698	6	2
5	5	Jump Shot	Jump Shot	244	20000012	34.0553	-145	-11	-118.4148	9	3
6	6	Layup Shot	Layup	251	20000012	34.0443	0	0	-118.2698	8	3
7	7	Jump Shot	Jump Shot	265	20000012	33.9363	-65	108	-118.3348	6	3
8	8	Running Jump Shot	Jump Shot	294	20000012	33.9193	-33	125	-118.3028	3	3
9	9	Jump Shot	Jump Shot	309	20000012	33.8063	-94	238	-118.3638	1	3
10	12	Jump Shot	Jump Shot	4	20000019	33.9173	121	127	-118.1488	11	1

Obs	playoffs	season	seconds_remaining	shot_distance	shot_made_flag	shot_type	shot_zone_area	shot_zone_basic
1	0	2000-01	22	15	0	2PT Field Goal	Left Side(L)	Mid-Range
2	0	2000-01	45	16	1	2PT Field Goal	Left Side Center(LC)	Mid-Range
3	0	2000-01	52	22	0	2PT Field Goal	Right Side Center(RC)	Mid-Range
4	0	2000-01	19	0	1	2PT Field Goal	Center(C)	Restricted Area
5	0	2000-01	32	14	0	2PT Field Goal	Left Side(L)	Mid-Range
6	0	2000-01	52	0	1	2PT Field Goal	Center(C)	Restricted Area
7	0	2000-01	12	12	1	2PT Field Goal	Left Side(L)	In The Paint (Non-RA)
8	0	2000-01	36	12	0	2PT Field Goal	Center(C)	In The Paint (Non-RA)
9	0	2000-01	56	25	0	3PT Field Goal	Left Side Center(LC)	Above the Break 3
10	0	2000-01	0	17	1	2PT Field Goal	Right Side Center(RC)	Mid-Range

Obs	shot_zone_range	team_id	team_name	game_date	matchup	opponent	shot_id	attendance	arena_temp	avgnoisedb
1	8-16 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	2	14707	69	94.06
2	16-24 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	3	14707	69	94.06
3	16-24 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	4	14707	69	94.06
4	Less Than 8 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	5	14707	69	94.06
5	8-16 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	6	14707	69	94.06
6	Less Than 8 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	7	14707	69	94.06
7	8-16 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	9	14707	69	94.06
8	8-16 ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	10	14707	69	94.06
9	24+ ft.	1610612747	Los Angeles Lakers	10/31/2000	LAL @ POR	POR	11	14707	69	94.06
10	16-24 ft.	1610612747	Los Angeles Lakers	11/01/2000	LAL vs. UTA	UTA	12	15851	69	95.71

Obs	periods_remaining2	minutes_remaining2	seconds_remaining2	pms_remaining
1	14	90	36	149036
2	14	63	75	146375
3	14	54	87	145487
4	28	54	31	285431
5	42	81	53	428153
6	42	72	87	427287
7	42	54	20	425420
8	42	27	60	422760
9	42	09	94	420994
10	14	99	00	149900

**The UNIVARIATE Procedure**  
**Variable: pms\_remaining**

Moments			
<b>N</b>	25697	<b>Sum Weights</b>	25697
<b>Mean</b>	359832.186	<b>Sum Observations</b>	9246607691
<b>Std Deviation</b>	164433.312	<b>Variance</b>	2.70383E10
<b>Skewness</b>	0.08629716	<b>Kurtosis</b>	-1.1576782
<b>Uncorrected SS</b>	4.022E15	<b>Corrected SS</b>	6.94777E14
<b>Coeff Variation</b>	45.6972219	<b>Std Error Mean</b>	1025.76669

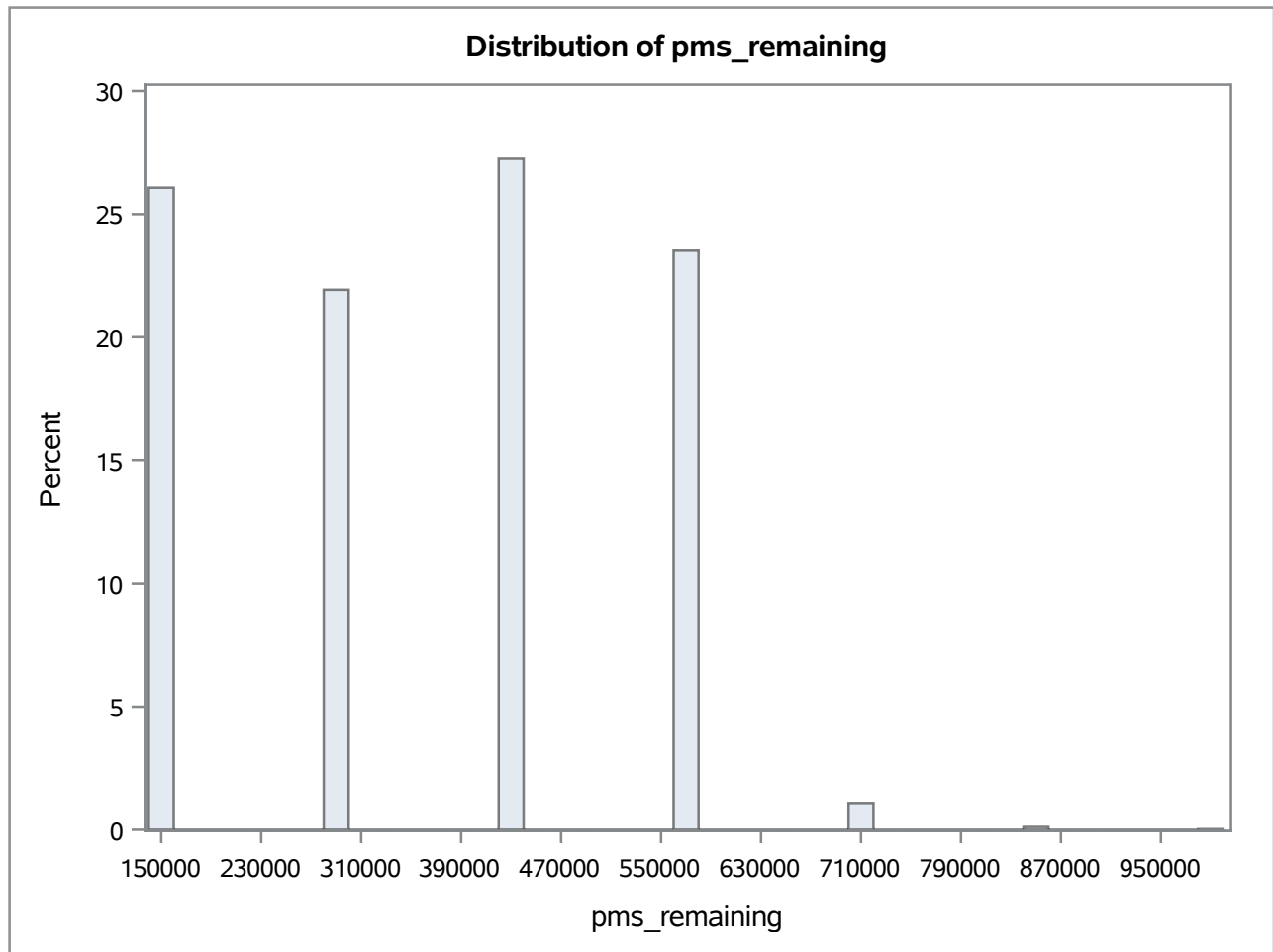
Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	359832.2	<b>Std Deviation</b>	164433
<b>Median</b>	420062.0	<b>Variance</b>	2.70383E10
<b>Mode</b>	280000.0	<b>Range</b>	853606
		<b>Interquartile Range</b>	280044

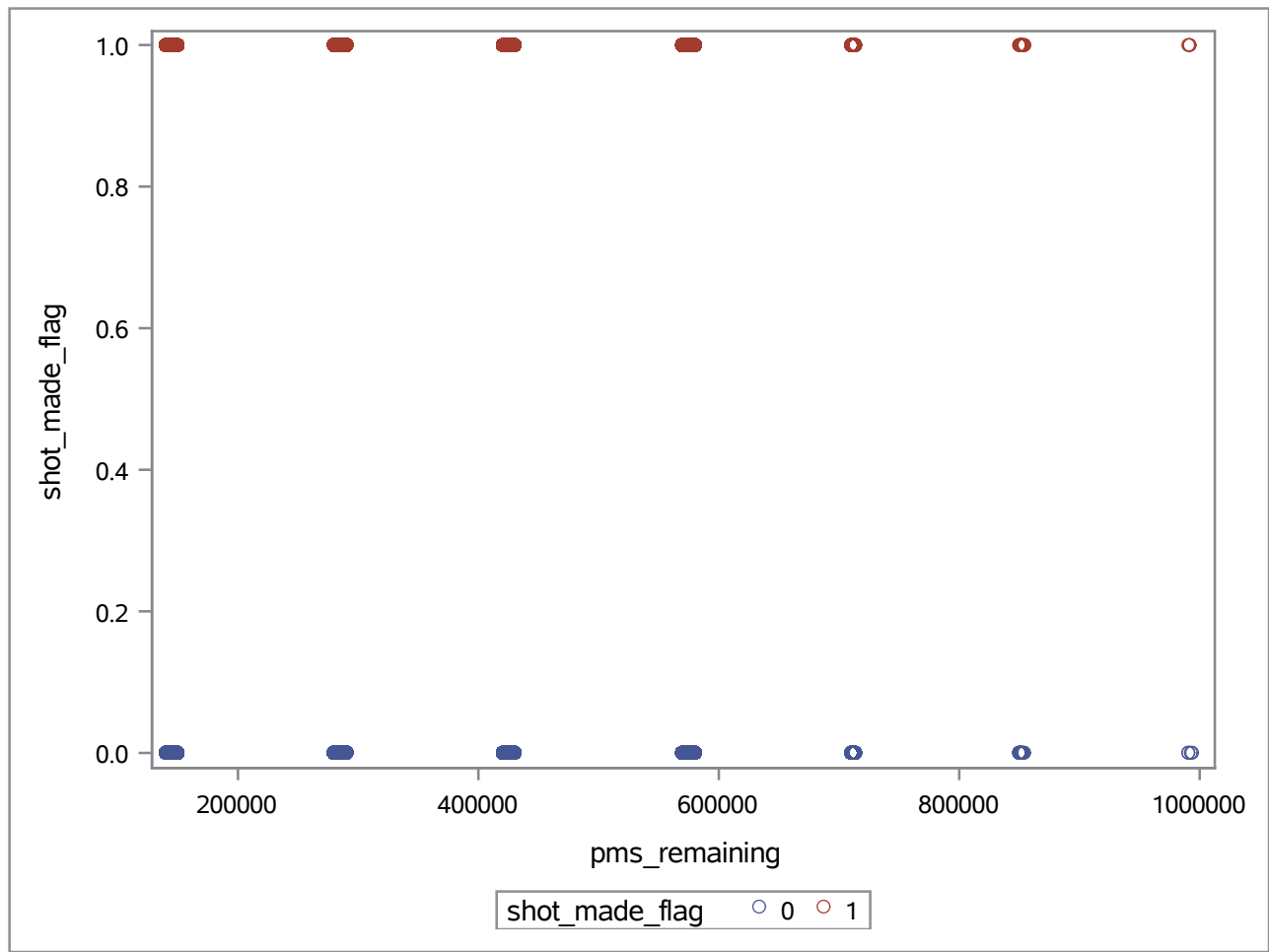
Tests for Location: Mu0=0			
Test		Statistic	p Value
<b>Student's t</b>	<b>t</b>	350.7934	<b>Pr &gt;  t </b> <.0001
<b>Sign</b>	<b>M</b>	12848.5	<b>Pr &gt;=  M </b> <.0001
<b>Signed Rank</b>	<b>S</b>	1.6509E8	<b>Pr &gt;=  S </b> <.0001

Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	993606
<b>99%</b>	710055
<b>95%</b>	578123
<b>90%</b>	575421
<b>75% Q3</b>	429972
<b>50% Median</b>	420062
<b>25% Q1</b>	149928
<b>10%</b>	143616
<b>5%</b>	141800
<b>1%</b>	140013
<b>0% Min</b>	140000

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
140000	25632	990903	8583
140000	25419	991811	8582
140000	25243	991815	14949
140000	25229	992743	14948
140000	25167	993606	14947

## The UNIVARIATE Procedure





**The UNIVARIATE Procedure**  
**Variable: l\_shot\_distance**

Moments			
<b>N</b>	21089	<b>Sum Weights</b>	21089
<b>Mean</b>	2.61859304	<b>Sum Observations</b>	55223.5086
<b>Std Deviation</b>	0.71748364	<b>Variance</b>	0.51478277
<b>Skewness</b>	-1.7928805	<b>Kurtosis</b>	3.39090609
<b>Uncorrected SS</b>	155463.634	<b>Corrected SS</b>	10855.7392
<b>Coeff Variation</b>	27.3995856	<b>Std Error Mean</b>	0.00494065

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	2.618593	<b>Std Deviation</b>	0.71748
<b>Median</b>	2.833213	<b>Variance</b>	0.51478
<b>Mode</b>	3.218876	<b>Range</b>	4.36945
		<b>Interquartile Range</b>	0.73760

Tests for Location: Mu0=0				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	530.0099	<b>Pr &gt;  t </b>	<.0001
<b>Sign</b>	<b>M</b>	10283.5	<b>Pr &gt;=  M </b>	<.0001
<b>Signed Rank</b>	<b>S</b>	1.0576E8	<b>Pr &gt;=  S </b>	<.0001

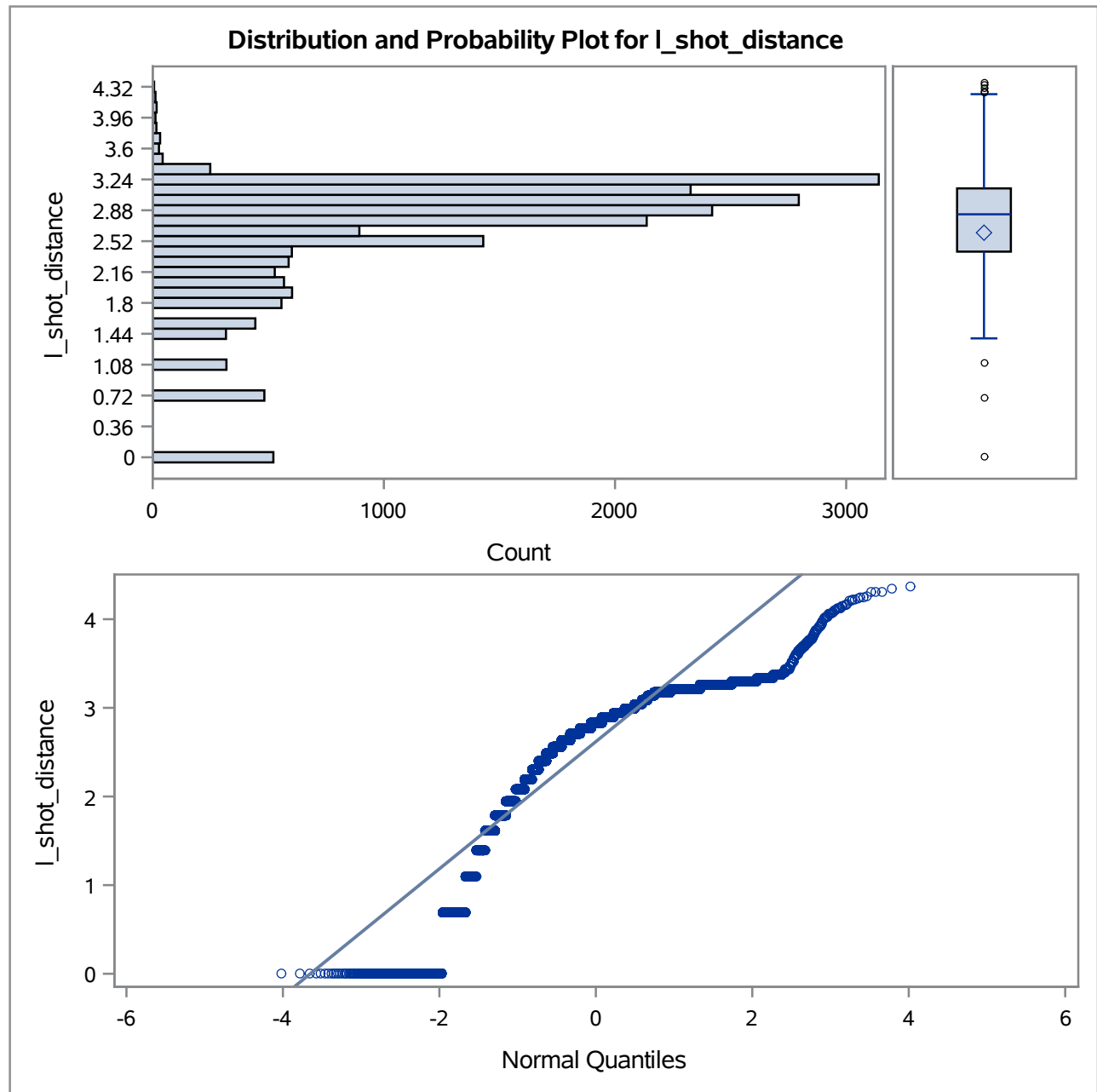
Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	4.36945
<b>99%</b>	3.36730
<b>95%</b>	3.25810
<b>90%</b>	3.21888
<b>75% Q3</b>	3.13549
<b>50% Median</b>	2.83321
<b>25% Q1</b>	2.39790
<b>10%</b>	1.79176
<b>5%</b>	1.09861
<b>1%</b>	0.00000
<b>0% Min</b>	0.00000

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	25664	4.30407	5587
0	25658	4.30407	10936
0	25649	4.30407	24390
0	25335	4.34381	23433
0	25320	4.36945	24377

Missing Values			
Percent Of			
Missing Value	Count	All Obs	Missing Obs
.	4608	17.93	100.00



## The UNIVARIATE Procedure



**The UNIVARIATE Procedure**  
**Variable: l\_pms\_remaining**

Moments			
<b>N</b>	25697	<b>Sum Weights</b>	25697
<b>Mean</b>	12.6678278	<b>Sum Observations</b>	325525.172
<b>Std Deviation</b>	0.52741451	<b>Variance</b>	0.27816606
<b>Skewness</b>	-0.4349001	<b>Kurtosis</b>	-1.2304489
<b>Uncorrected SS</b>	4130844.58	<b>Corrected SS</b>	7147.75512
<b>Coeff Variation</b>	4.16341707	<b>Std Error Mean</b>	0.00329011

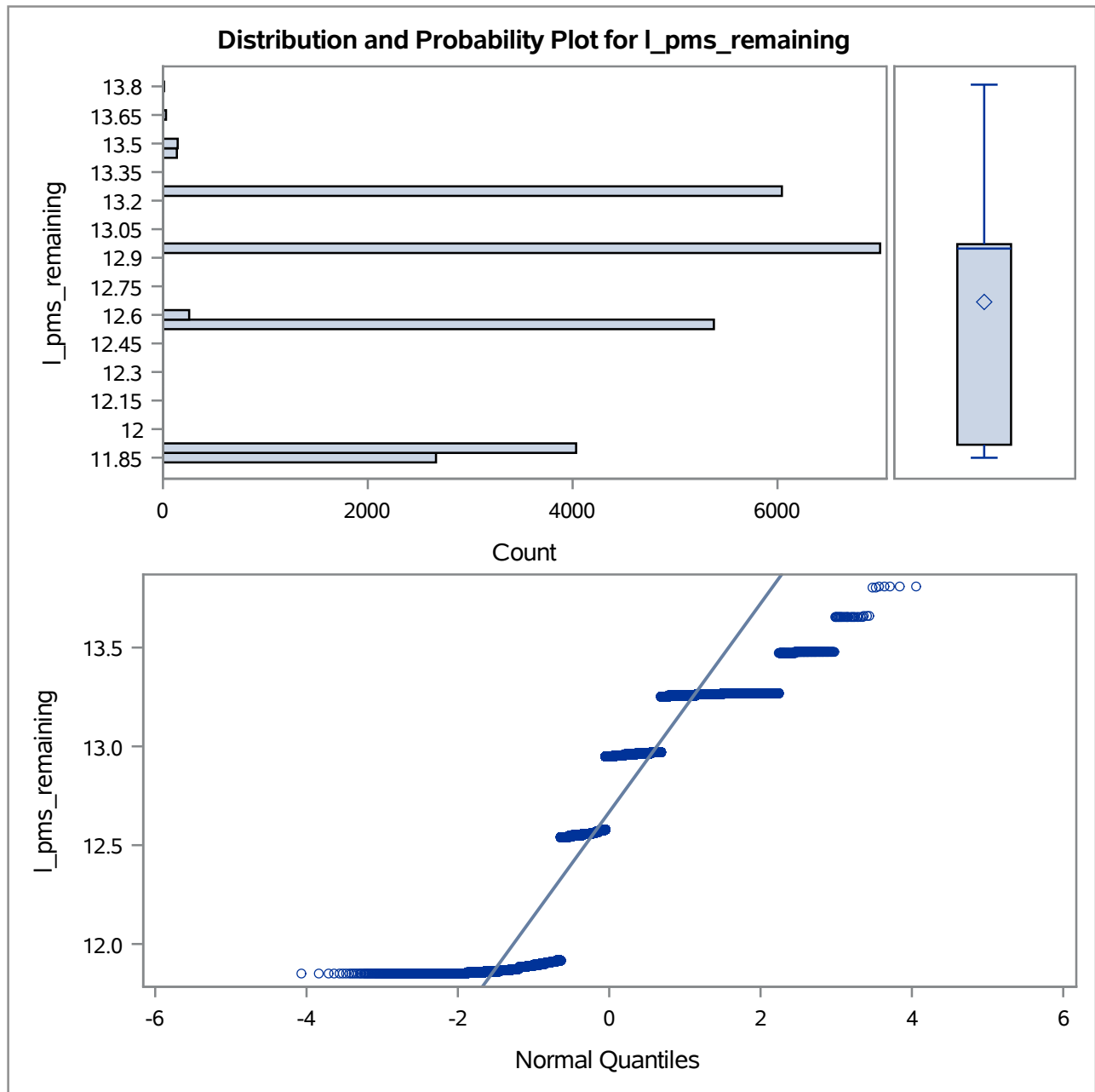
Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	12.66783	<b>Std Deviation</b>	0.52741
<b>Median</b>	12.94816	<b>Variance</b>	0.27817
<b>Mode</b>	12.54254	<b>Range</b>	1.95970
<b>Interquartile Range</b>			1.05356

Tests for Location: Mu0=0			
Test	Statistic	p Value	
<b>Student's t</b>	<b>t</b>	3850.271	<b>Pr &gt;  t </b> <.0001
<b>Sign</b>	<b>M</b>	12848.5	<b>Pr &gt;=  M </b> <.0001
<b>Signed Rank</b>	<b>S</b>	1.6509E8	<b>Pr &gt;=  S </b> <.0001

Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	13.8091
<b>99%</b>	13.4731
<b>95%</b>	13.2675
<b>90%</b>	13.2629
<b>75% Q3</b>	12.9715
<b>50% Median</b>	12.9482
<b>25% Q1</b>	11.9179
<b>10%</b>	11.8749
<b>5%</b>	11.8622
<b>1%</b>	11.8495
<b>0% Min</b>	11.8494

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
11.8494	25632	13.8064	8583
11.8494	25419	13.8073	8582
11.8494	25243	13.8073	14949
11.8494	25229	13.8082	14948
11.8494	25167	13.8091	14947

## The UNIVARIATE Procedure



## The LOGISTIC Procedure

Model Information	
Data Set	WORK.TRAIN2
Response Variable	shot_made_flag shot_made_flag
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read 25697  
 Number of Observations Used 25697

Response Profile		
Ordered Value	shot_made_flag	Total Frequency
1	0	14232
2	1	11465

Probability modeled is shot\_made\_flag='1'.

Model Convergence Status	
Convergence criterion (GCONV=1E-8) satisfied.	

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	35327.083	34298.864
SC	35335.237	34315.172
-2 Log L	35325.083	34294.864

R-Square 0.0393 Max-rescaled R-Square 0.0526

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	1030.2191	1	<.0001
Score	1009.8871	1	<.0001
Wald	983.2257	1	<.0001

### Analysis of Maximum Likelihood Estimates

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	0.3680	0.0224	270.2588	<.0001
shot_distance	1	-0.0441	0.00141	983.2257	<.0001

### Association of Predicted Probabilities and Observed Responses

Percent Concordant	58.2	Somers' D	0.221
Percent Discordant	36.0	Gamma	0.235
Percent Tied	5.8	Tau-a	0.109
Pairs	163169880	c	0.611

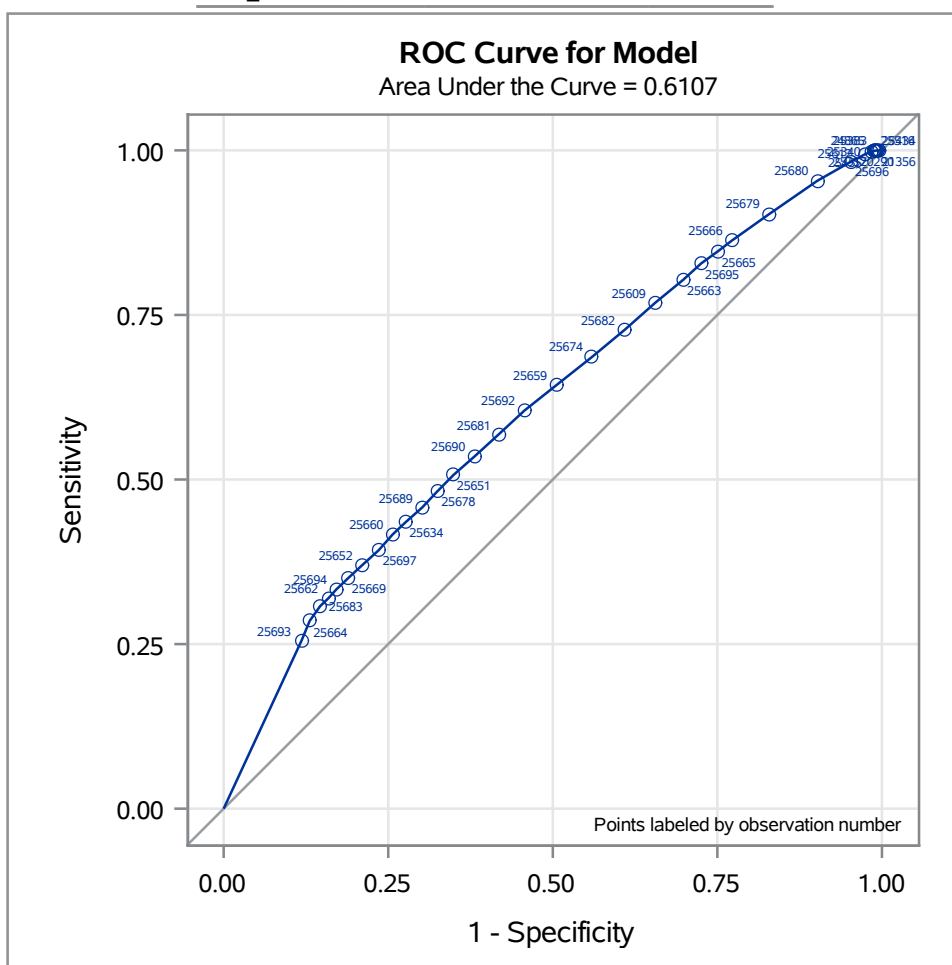
### The LOGISTIC Procedure

#### Parameter Estimates and Wald Confidence Intervals

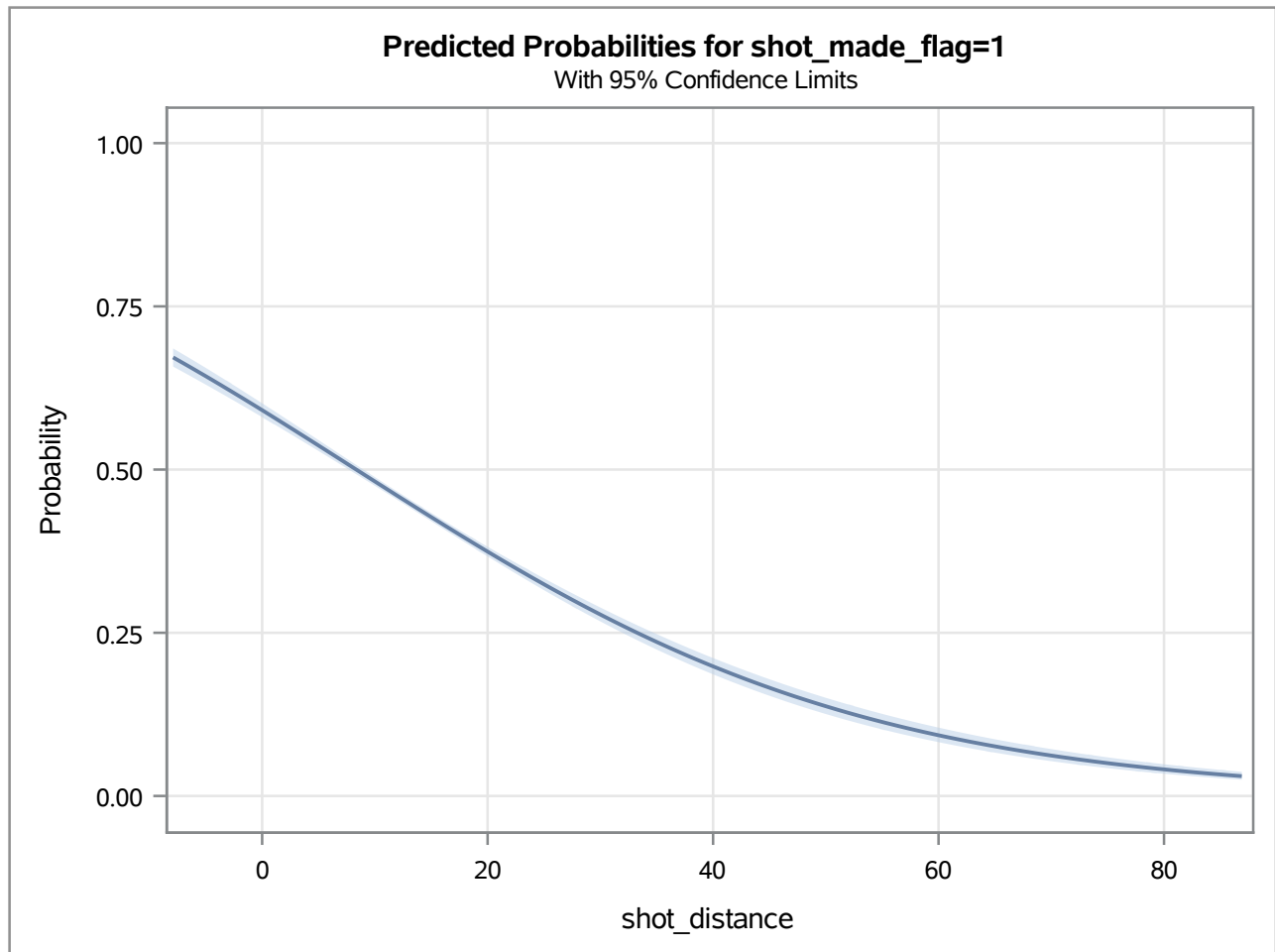
Parameter	Estimate	95% Confidence Limits	
Intercept	0.3680	0.3241	0.4119
shot_distance	-0.0441	-0.0468	-0.0413

#### Odds Ratio Estimates and Profile-Likelihood Confidence Intervals

Effect	Unit	Estimate	95% Confidence Limits	
shot_distance	1.0000	0.957	0.954	0.959



## The LOGISTIC Procedure



## The LOGISTIC Procedure

Model Information	
Data Set	WORK.TRAIN2
Response Variable	shot_made_flag shot_made_flag
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	25697
Number of Observations Used	25697

Response Profile		
Ordered Value	shot_made_flag	Total Frequency
1	0	14232
2	1	11465

Probability modeled is shot\_made\_flag='1'.

Model Convergence Status	
Convergence criterion (GCONV=1E-8) satisfied.	

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	35327.083	34300.621
SC	35335.237	34325.084
-2 Log L	35325.083	34294.621

R-Square	0.0393	Max-rescaled R-Square	0.0526
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Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	1030.4614	2	<.0001
Score	1010.0876	2	<.0001
Wald	983.4148	2	<.0001

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	0.3707	0.0231	258.6142	<.0001
shot_distance	1	-0.0441	0.00141	983.3929	<.0001
playoffs	1	-0.0178	0.0362	0.2420	0.6228

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	58.9	Somers' D	0.222
Percent Discordant	36.7	Gamma	0.232
Percent Tied	4.3	Tau-a	0.110
Pairs	163169880	c	0.611

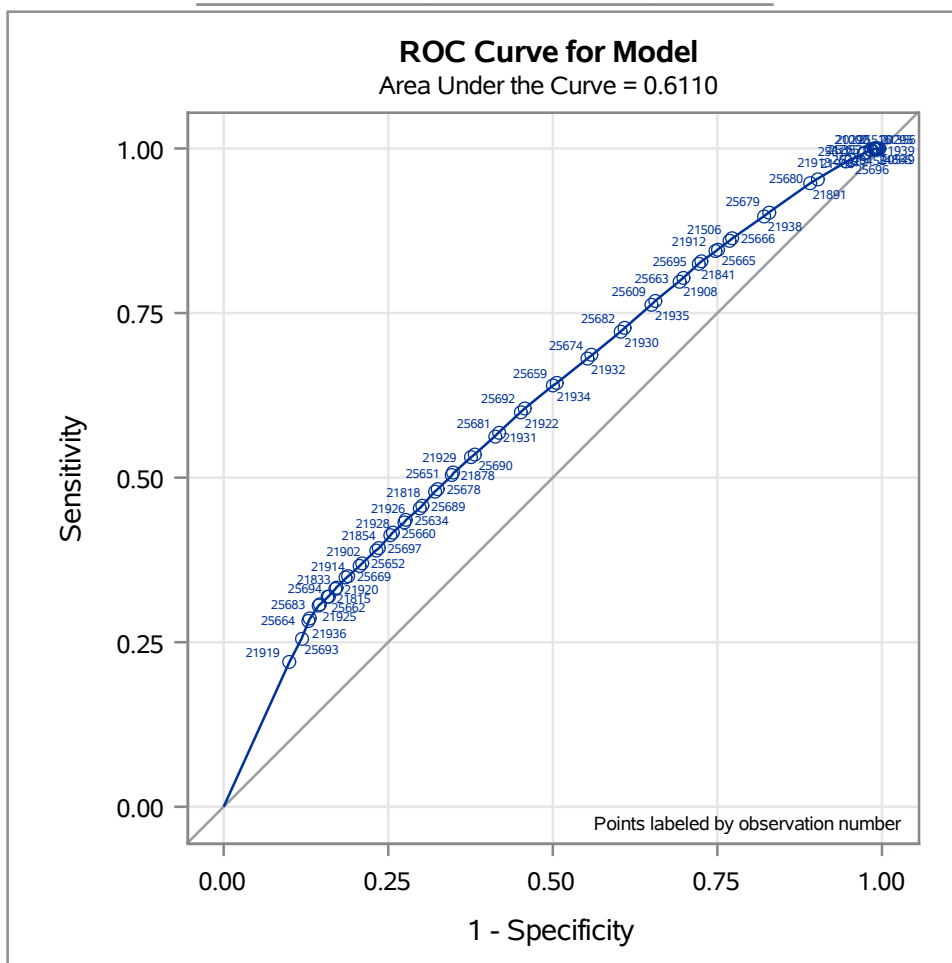
### The LOGISTIC Procedure

Parameter Estimates and Wald Confidence Intervals

Parameter	Estimate	95% Confidence Limits	
Intercept	0.3707	0.3255	0.4159
shot_distance	-0.0441	-0.0469	-0.0413
playoffs	-0.0178	-0.0889	0.0532

Odds Ratio Estimates and Profile-Likelihood Confidence Intervals

Effect	Unit	Estimate	95% Confidence Limits	
shot_distance	1.0000	0.957	0.954	0.959
playoffs	1.0000	0.982	0.915	1.055





## The LOGISTIC Procedure

