## STAT 440 Midterm # 1 March 3, 2016 Part (b)

#### The CONTENTS Procedure

Data Set Name         WORK.ILLINIFB_KEFUZHU2         Observations         124           Member Type         DATA         Variables         15           Engine         V9         Indexes         0           Created         03/04/2016 09:40:35         Observation Length         200           Last Modified         03/04/2016 09:40:35         Deleted Observations         0           Protection         Compressed         NO           Data Set Type         Sorted         NO           Label         UNDOWS_64         Encoding         Wlatin1 Western (Windows)				
Engine         V9         Indexes         0           Created         03/04/2016 09:40:35         Observation Length         200           Last Modified         03/04/2016 09:40:35         Deleted Observations         0           Protection         Compressed         NO           Data Set Type         Sorted         NO           Label         WINDOWS_64	Data Set Name	WORK.ILLINIFB_KEFUZHU2	Observations	124
Created         03/04/2016 09:40:35         Observation Length         200           Last Modified         03/04/2016 09:40:35         Deleted Observations         0           Protection         Compressed         NO           Data Set Type         Sorted         NO           Label         WINDOWS_64	Member Type	DATA	Variables	15
Last Modified 03/04/2016 09:40:35 Deleted Observations 0  Protection Compressed NO  Data Set Type Sorted NO  Label  Data Representation WINDOWS_64	Engine	V9	Indexes	0
Protection Compressed NO  Data Set Type Sorted NO  Label  Data Representation WINDOWS_64	Created	03/04/2016 09:40:35	Observation Length	200
Data Set Type Sorted NO  Label  Data Representation WINDOWS_64	Last Modified	03/04/2016 09:40:35	Deleted Observations	0
Label  Data Representation WINDOWS_64	Protection		Compressed	NO
Data Representation WINDOWS_64	Data Set Type		Sorted	NO
· -	Label			
Encoding wlatin1 Western (Windows)	Data Representation	WINDOWS_64		
	Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information							
Data Set Page Size	65536						
Number of Data Set Pages	1						
First Data Page	1						
Max Obs per Page	327						
Obs in First Data Page	124						
Number of Data Set Repairs	0						
ExtendObsCounter	YES						
Filename	C:\Users\kefuzhu2\AppData\Local\Temp\SAS Temporary Files\_TD7088_ICS-UN-MAC34_\illinifb_kefuzhu2.sas7bdat						
Release Created	9.0401M3						
Host Created	X64_7PRO						

	Alphabetic List of Variables and Attributes									
#	Variable	Туре	Len	Format	Label					
10	AP_high	Num	8		Highest rank of the team in AP poll					
11	AP_post	Num	8		Rank in final AP poll					
9	AP_pre	Num	8		Rank in pre-season AP poll					
14	Bowl	Char	25		Post-season Bowl Game					
15	BowlResult	Char	8		Result of Bowl Game					
12	Coach	Char	50		Head Coach					
2	Conf	Char	8		Conference					
4	L	Num	8		Loses					
6	Pct	Num	8	PERCENT8.1	Win Percentage					
13	Record	Char	25		Coach's Record					

## STAT 440 Midterm # 1 March 3, 2016 Part (b)

#### The CONTENTS Procedure

	Alphabetic List of Variables and Attributes									
# Variable Type Len Format Label										
8	sos	Num	8		Strength of Schedule					
7	SRS	Num	8		Simple Rating System					
1	Season	Num	8		Season					
5	Т	Num	8		Ties					
3	W	Num	8		Wins					

## STAT 440 Midterm # 1 March 3, 2016 Part (c)

# The FREQ Procedure

Number of Variable Levels						
Variable	Levels					
Season	Season	124				

Since the total number of observation is 124 and Season variable has 124 unique values, each value of Season is unique.

## STAT 440 Midterm # 1 March 3, 2016 Part (d)

#### **The MEANS Procedure**

Variable	Label	N	N Miss	Minimum	Maximum
w	Wins	124	0	0	10.0000000
L	Loses	123	1	0	11.0000000
T	Ties	124	0	0	3.0000000
Pct	Win Percentage	123	1	0	1.0000000

## STAT 440 Midterm # 1 March 3, 2016 Part (e)

Obs	Season	w	L	Т	Pct	Record
20	1996	2	9	0		(2-9)
21	1995	5	5	1	50.0%	(5-5-1)
24	1992	6	5	1	54.2%	(6-5-1)
28	1988	6	5	1	54.2%	(6-5-1)
29	1987	3	7	1	31.8%	(3-7-1)
31	1985	6	5	1	54.2%	(6-5-1)
36	1980	3	7	1	41.8%	(3-7-1)
37	1979	2	8	1	22.7%	(2-8-1)
38	1978	1	8	2	18.2%	(1-8-2)
42	1974	6	4	1	59.1%	(6-4-1)
53	1963	8	1	1	85.0%	(8-1-1)
56	1960	5	4	0	56.6%	(5-4)
57	1959	5	3	1	61.1%	(5-3-1)
60	1956	2	5	2	33.3%	(2-5-2)
61	1955	5	3	1	61.1%	(5-3-1)
63	1953	7	1	1	83.3%	(7-1-1)
65	1951	9	0	1	95.0%	(9-0-1)
67	1949	3	4	2	44.4%	(3-4-2)
69	1947	5	3	1	61.1%	(5-3-1)
71	1945	2	6	1	27.8%	(2-6-1)
72	1944	5	4	1	55.0%	(5-4-1)
77	1939	3	4	1	43.8%	(3-4-1)
79	1937	3	3	2	50.0%	(3-3-2)
80	1936	4	3	1	56.3%	(4-3-1)
87	1929	6	1	1	81.3%	(6-1-1)
89	1927	7		1	93.8%	(7-0-1)
92	1924	6	1	1	81.3%	(6-1-1)
99	1917	5	2	1	68.8%	(5-2-1)
100	1916	3	3	1	50.0%	(3-3-1)
101	1915	5	0	2	85.7%	(5-0-2)
103	1913	4	2	1	64.3%	(4-2-1)
104	1912	3	3	1	50.0%	(3-3-1)
105	1911	6	2	1	64.3%	(4-2-1)
108	1908	5	1	1	78.6%	(5-1-1)
110	1906	1	3	1	30.0%	(1-3-1)

## STAT 440 Midterm # 1 March 3, 2016 Part (e)

Obs	Season	w	L	т	Pct	Record
112	1904	9	2	1	79.2%	
114	1902	10	2	1	80.8%	(10-2-1)
116	1900	7	3	2	66.7%	(7-3-2)
117	1899	3	5	1	38.9%	(3-5-1)
120	1896	4	2	1	64.3%	(4-2-1)
121	1895	4	2	1	64.3%	(4-2-1)
123	1893	3	2	3	56.3%	(3-2-3)
124	1892	7	4	1	62.5%	(9-3-2)

## STAT 440 Midterm # 1 March 3, 2016 Part (f)

# The FREQ Procedure

Head Coach							
Coach	Frequency	Percent	Cumulative Frequency	Cumulative Percent			
Arthur Hall	6	4.88	6	4.88			
Bill Cubit	1	0.81	7	5.69			
Bob Blackman	6	4.88	13	10.57			
E.K. Hall	2	1.63	15	12.20			
Edgar Holt	2	1.63	17	13.82			
Fred Lowenthal	1	0.81	18	14.63			
Fred Smith	1	0.81	19	15.45			
Gary Moeller	3	2.44	22	17.89			
George Huff	5	4.07	27	21.95			
George Woodruff	1	0.81	28	22.76			
James Valek	4	3.25	32	26.02			
John Mackovic	3	2.44	35	28.46			
John Mackovic (6-5) Lou Tepper (0-1)	1	0.81	36	29.27			
Justa Lindgren	1	0.81	37	30.08			
Lou Tepper	5	4.07	42	34.15			
Louis Vail	1	0.81	43	34.96			
Mike White	8	6.50	51	41.46			
Pete Elliott	7	5.69	58	47.15			
Ray Eliot	18	14.63	76	61.79			
Robert Zuppke	29	23.58	105	85.37			
Ron Turner	8	6.50	113	91.87			
Ron Zook	6	4.88	119	96.75			
Ron Zook (6-6) Vic Koenning (1-0)	1	0.81	120	97.56			
Tim Beckman	3	2.44	123	100.00			
Frequ	uency Missing	j = 1					

Robert Zuppake presided as head coach for the most seasons.

## STAT 440 Midterm # 1 March 3, 2016 Part (h)

Obs	Season	w	L	Т	Pct	Record
1	2015	5	7	0	41.7%	(5-7)

## STAT 440 Midterm # 1 March 3, 2016 Part (i)

# The FREQ Procedure

	Head Coach								
Coach	Frequency	Percent	Cumulative Frequency	Cumulative Percent					
Arthur Hall	6	4.84	6	4.84					
Arthur R. Hall	1	0.81	7	5.65					
Bill Cubit	1	0.81	8	6.45					
Bob Blackman	6	4.84	14	11.29					
E.K. Hall	2	1.61	16	12.90					
Edgar Holt	2	1.61	18	14.52					
Fred Lowenthal	1	0.81	19	15.32					
Fred Smith	1	0.81	20	16.13					
Gary Moeller	3	2.42	23	18.55					
George Huff	5	4.03	28	22.58					
George Woodruff	1	0.81	29	23.39					
James Valek	4	3.23	33	26.61					
John Mackovic	4	3.23	37	29.84					
Justa Lindgren	1	0.81	38	30.65					
Lou Tepper	5	4.03	43	34.68					
Louis Vail	1	0.81	44	35.48					
Mike White	8	6.45	52	41.94					
Pete Elliott	7	5.65	59	47.58					
Ray Eliot	18	14.52	77	62.10					
Robert Zuppke	29	23.39	106	85.48					
Ron Turner	8	6.45	114	91.94					
Ron Zook	7	5.65	121	97.58					
Tim Beckman	3	2.42	124	100.00					