

Ch1-Ex1 - Memory: Recall of words by 24 adults after delayed interval of 5 minutes.

\* Encoding: UTF-8.

DATA LIST FREE / mem.

BEGIN DATA

28 36 26 26 31 27 34 30 25 32 27 31  
 31 32 30 30 32 29 31 34 24 26 29 28

END DATA.

\*1 LIST.

\*2.

FREQUENCIES mem / HISTOGRAM

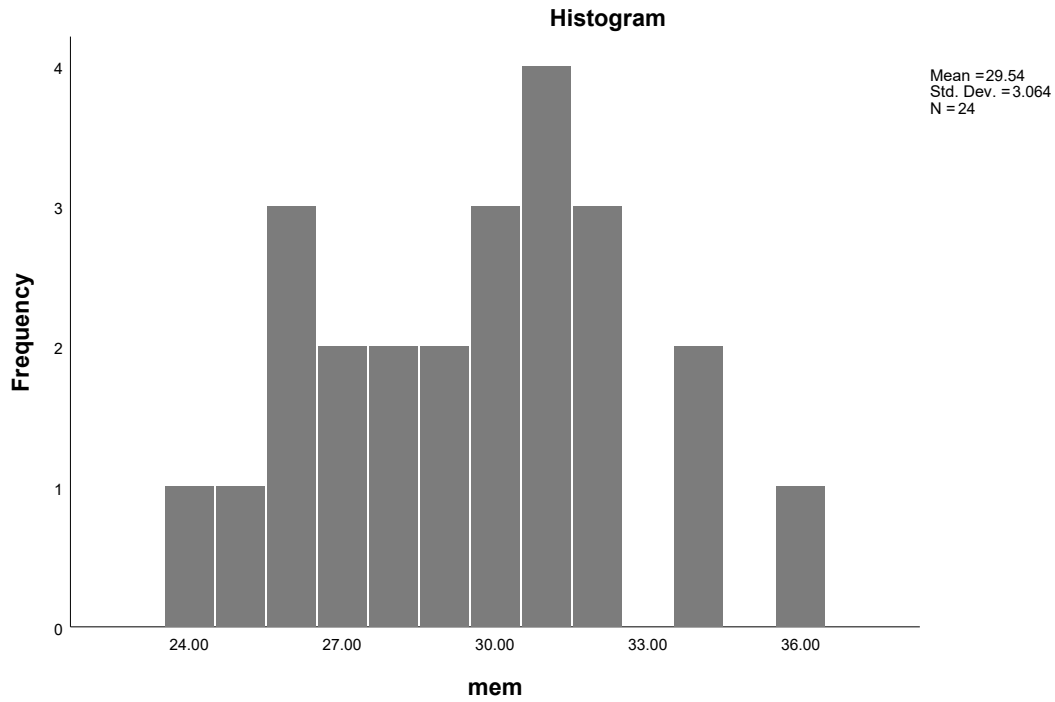
**Statistics**

mem

N	Valid	24
	Missing	0

**mem**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	24.00	1	4.2	4.2	4.2
	25.00	1	4.2	4.2	8.3
	26.00	3	12.5	12.5	20.8
	27.00	2	8.3	8.3	29.2
	28.00	2	8.3	8.3	37.5
	29.00	2	8.3	8.3	45.8
	30.00	3	12.5	12.5	58.3
	31.00	4	16.7	16.7	75.0
	32.00	3	12.5	12.5	87.5
	34.00	2	8.3	8.3	95.8
	36.00	1	4.2	4.2	100.0
	Total		24	100.0	100.0



\*3.

DESCRIPTIVES mem /STAT = SUM.

**Descriptive Statistics**

	N	Sum
mem	24	709.00
Valid N (listwise)	24	

\*4.

COMPUTE memdev = mem - 29.5417.

COMPUTE mem29 = mem - 29.

COMPUTE mem30 = mem - 30.

DESCR memdev mem29 mem30 /STAT = SUM.

### Descriptive Statistics

	N	Sum
memdev	24	.00
mem29	24	13.00
mem30	24	-11.00
Valid N (listwise)	24	

\*5.

COMPUTE memdev2 = memdev\*\*2.

COMPUTE mem292 = mem29\*\*2.

COMPUTE mem302 = mem30\*\*2.

DESCR memdev2 TO mem302 /STAT = SUM.

### Descriptive Statistics

	N	Sum
memdev2	24	215.96
mem292	24	223.00
mem302	24	221.00
Valid N (listwise)	24	

\*6&7.

DESCR mem.

### Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
mem	24	24.00	36.00	29.5417	3.06423
Valid N (listwise)	24				

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*Sampling Distribution
SET SEED = 14222318.
INPUT PROGRAM.
LOOP sample = 1 TO 100000.
DO REPEAT m = m1 TO m24.
COMPUTE #a = RV.NORM(0,1) .
*COMPUTE m = RND(32+5*(-.707107*#a + .707107*RV.NORM(0,1))) .
COMPUTE m = 32+5*(-.707107*#a + .707107*RV.NORM(0,1)) .
END REPEAT.
END CASE.
END LOOP.
END FILE.
END INPUT PROGRAM.

COMPUTE mnmem = MEAN(m1 TO m24) .
FORMAT mnmem (F8.5) .
FREQ mnmem /FORM = NOTABLE /HIST.

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