
```

    name: <unnamed>
    log: /Users/user/Desktop/hangman/hangman_summ_stats.smcl
    log type: smcl
    opened on: 2 Jul 2017, 23:06:07

```

```

1 .
2 . *** (A) Basic summary stats ***

3 .
4 . import delim using "$import_data", varnames(1) clear
   (31 vars, 61,437 obs)

5 . gen num_unusual = cont_w + cont_k + cont_v + cont_x + cont_z + cont_j + cont_q

6 .
7 . foreach varname in wrong len_word cont_unusual num_unusual {
   2.     di "summ of `varname'"
   3.     summ `varname'
   4. }
summ of wrong

```

Variable	Obs	Mean	Std. Dev.	Min	Max
wrong	61,437	2.249849	2.100961	0	25
summ of len_word					

Variable	Obs	Mean	Std. Dev.	Min	Max
len_word	61,437	8.360548	2.47815	1	22
summ of cont_unusual					

Variable	Obs	Mean	Std. Dev.	Min	Max
cont_unusual	61,437	.2837053	.4507992	0	1
summ of num_unusual					

Variable	Obs	Mean	Std. Dev.	Min	Max
num_unusual	61,437	.3080229	.512602	0	3

```

8 .
9 . *** (B) Data analysis ***

10 .
11 . foreach varname in len_word cont_unusual num_unusual {
   2.     di "does `varname' correlate with difficulty of guessing word?"
   3.     reg wrong `varname'
   4. }

```

does len_word correlate with difficulty of guessing word?

Source	SS	df	MS	Number of obs	=	61,437
Model	108595.865	1	108595.865	F(1, 61435)	=	41034.47
Residual	162584.946	61,435	2.64645473	Prob > F	=	0.0000
				R-squared	=	0.4005
				Adj R-squared	=	0.4004
Total	271180.811	61,436	4.41403755	Root MSE	=	1.6268

wrong	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
len_word	-.5364973	.0026485	-202.57	0.000	-.5416883	-.5313063
_cons	6.735261	.0230948	291.64	0.000	6.689995	6.780527

does cont_unusual correlate with difficulty of guessing word?

Source	SS	df	MS	Number of obs	=	61,437
Model	957.837956	1	957.837956	F(1, 61435)	=	217.76
Residual	270222.973	61,435	4.39851832	Prob > F	=	0.0000
				R-squared	=	0.0035
				Adj R-squared	=	0.0035
Total	271180.811	61,436	4.41403755	Root MSE	=	2.0973

wrong	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
cont_unusual	.2769819	.0187698	14.76	0.000	.2401932	.3137707
_cons	2.171268	.0099975	217.18	0.000	2.151673	2.190863

does num_unusual correlate with difficulty of guessing word?

Source	SS	df	MS	Number of obs	=	61,437
Model	949.394014	1	949.394014	F(1, 61435)	=	215.84
Residual	270231.417	61,435	4.39865577	Prob > F	=	0.0000
				R-squared	=	0.0035
				Adj R-squared	=	0.0035
Total	271180.811	61,436	4.41403755	Root MSE	=	2.0973

wrong	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
num_unusual	.242511	.016507	14.69	0.000	.2101572	.2748648
_cons	2.175151	.0098716	220.34	0.000	2.155802	2.194499

```
12 .
13 . log close
    name: <unnamed>
```

log: /Users/user/Desktop/hangman/hangman_summ_stats.smcl
log type: smcl
closed on: 2 Jul 2017, 23:06:13
