



**Special Edition**

(R)  
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Notes:

1. (/v# option or -set maxvar-) 5000 maximum variables
2. New update available; type `-update all-`

```
. use "C:\Users\herringa\Documents\BIOS600\petpulse.dta", clear
```

```
. generate petfriend=0
```

```
. drop petfriend
```

```
. generate petfriend=.  
(45 missing values generated)
```

```
. if Group==1 replace petfriend=1  
(45 real changes made)
```

```
. if Group==2 replace petfriend=2
```

```
. if Group=='2' replace petfriend=2  
'2' invalid name  
r(198);
```

```
. describe Group
```

variable name	storage type	display format	value label	variable label
<b>Group</b>	byte	%8.0g	Pet present	

```
. int(Group)  
unrecognized command: int  
r(199);
```

```
. real(Group)  
unrecognized command: real  
r(199);
```

```
. generate group=real(Group)  
type mismatch  
r(109);
```

```
. generate group=real(Group)
type mismatch
r(109);
```

```
. destring Group, generate(group)
Group already numeric; no generate
```

```
. tabulate Group
```

Group	Freq.	Percent	Cum.
Pet present	<b>15</b>	<b>33.33</b>	<b>33.33</b>
Friend present	<b>15</b>	<b>33.33</b>	<b>66.67</b>
Neither present	<b>15</b>	<b>33.33</b>	<b>100.00</b>
Total	<b>45</b>	<b>100.00</b>	

```
. tabulate petfriend
```

petfriend	Freq.	Percent	Cum.
1	<b>45</b>	<b>100.00</b>	<b>100.00</b>
Total	<b>45</b>	<b>100.00</b>	

```
. drop petfriend
```

```
. generate petfriend=.
(45 missing values generated)
```

```
. if Group==1 replace petfriend=1
(45 real changes made)
```

```
. tabulate petfriend
```

petfriend	Freq.	Percent	Cum.
1	<b>45</b>	<b>100.00</b>	<b>100.00</b>
Total	<b>45</b>	<b>100.00</b>	

```
. drop petfriend
```

```
. generate petfriend=.
(45 missing values generated)
```

```
. replace petfriend=1 if Group==1
(15 real changes made)
```

```
. replace petfriend=2 if Group==2
(15 real changes made)
```

```
. generate petneither=.
(45 missing values generated)
```

```

. replace petneither=1 if Group==1
(15 real changes made)

. replace petneither=3 if Group==3
(15 real changes made)

. generate friendneither
=exp required
r(100);

. generate friendneither=.
(45 missing values generated)

. drop petfriend

. drop petneither

. drop friendneither

. generate petfriend=.
(45 missing values generated)

. generate petneither=.
(45 missing values generated)

. generate friendneither=.
(45 missing values generated)

. replace petfriend=1 if Group==1
(15 real changes made)

. replace petfriend=2 if Group==2
(15 real changes made)

. replace petneither=1 if Group==1
(15 real changes made)

. replace petneither=3 if Group==3
(15 real changes made)

. replace friendneither=2 if Group==2
(15 real changes made)

. replace friendneither=3 if Group==3
(15 real changes made)

. tabulate petfriend

```

petfriend	Freq.	Percent	Cum.
1	<b>15</b>	<b>50.00</b>	<b>50.00</b>
2	<b>15</b>	<b>50.00</b>	<b>100.00</b>
Total	<b>30</b>	<b>100.00</b>	

```
. ranksum Pulse, by(petneither)
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

petneither	obs	rank sum	expected
1	<b>15</b>	<b>171</b>	<b>232.5</b>
3	<b>15</b>	<b>294</b>	<b>232.5</b>
combined	<b>30</b>	<b>465</b>	<b>465</b>

unadjusted variance                   **581.25**

adjustment for ties                   **0.00**

---

adjusted variance                   **581.25**

Ho: Pulse(petnei~r==1) = Pulse(petnei~r==3)

z = **-2.551**

Prob > |z| = **0.0107**

```
. ranksum Pulse, by(friendneither)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test
```

friendneit~r	obs	rank sum	expected
2	<b>15</b>	<b>289</b>	<b>232.5</b>
3	<b>15</b>	<b>176</b>	<b>232.5</b>
combined	<b>30</b>	<b>465</b>	<b>465</b>

```
unadjusted variance      581.25
adjustment for ties      0.00
```

```
adjusted variance      581.25
```

```
Ho: Pulse(friend~r==2) = Pulse(friend~r==3)
      z = 2.344
      Prob > |z| = 0.0191
```

```
.
```