

Example Report

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Fictitious Person[†]





February 8, 2016

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1 Descriptive Statistics

```
getHdata(FEV)
latex(describe(FEV), file='')
```

6 Variables														FEV 654 Observations											
id																									
n		missing		unique		Info		Mean		.05		.10		.25		.50		.75		.90		.95			
654		0		654		1		37170		3142		6162		15811		36071		53638		73342		77706			
lowest :		201		202		301		341		351															
highest:		83841		83901		83951		83952		90001															
age [years]																									
n		missing		unique		Info		Mean		.05		.10		.25		.50		.75		.90		.95			
654		0		17		0.99		9.931		5		6		8		10		12		14		15			
Frequency		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19							
%		2	9	28	37	54	85	94	81	90	57	43	25	19	13	8	6	3							
		0	1	4	6	8	13	14	12	14	9	7	4	3	2	1	1	0							
fev [liters]																									
n		missing		unique		Info		Mean		.05		.10		.25		.50		.75		.90		.95			
654		0		575		1		2.637		1.445		1.612		1.981		2.547		3.119		3.813		4.289			
lowest :		0.791		0.796		0.839		1.004		1.072															
highest:		5.102		5.224		5.633		5.638		5.793															
height [inches]																									
n		missing		unique		Info		Mean		.05		.10		.25		.50		.75		.90		.95			
654		0		56		1		61.14		51.0		53.0		57.0		61.5		65.5		68.5		70.0			
lowest :		46.0		46.5		47.0		48.0		49.0		highest:		72.0		72.5		73.0		73.5		74.0			
sex																									
n		missing		unique																					
654		0		2																					
female (318, 49%), male (336, 51%)																									

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smoke

```
n    missing  unique
654      0      2
non-current smoker (589, 90%), current smoker (65, 10%)
```

I have a question about the data. Do all the values make sense? Are these data applicable to our research question? Did we really land a man on the moon?

FH

No, I don't think we landed a man on the moon, but I do think that hundreds of aliens from an advanced civilization visited us in the 1950s and forgot to say hello.

FP

I'm convinced

FH

This section is for the Supplemental Material section. Code that goes below is executed in the original order of appearance, not at the end. But the code and its output appear only at the end.

2 FEV vs. Age

Figure 1 shows the raw data for some of the key variables.

```
ggplot(FEV, aes(x=age, y=fev, color=sex)) + geom_point()
```

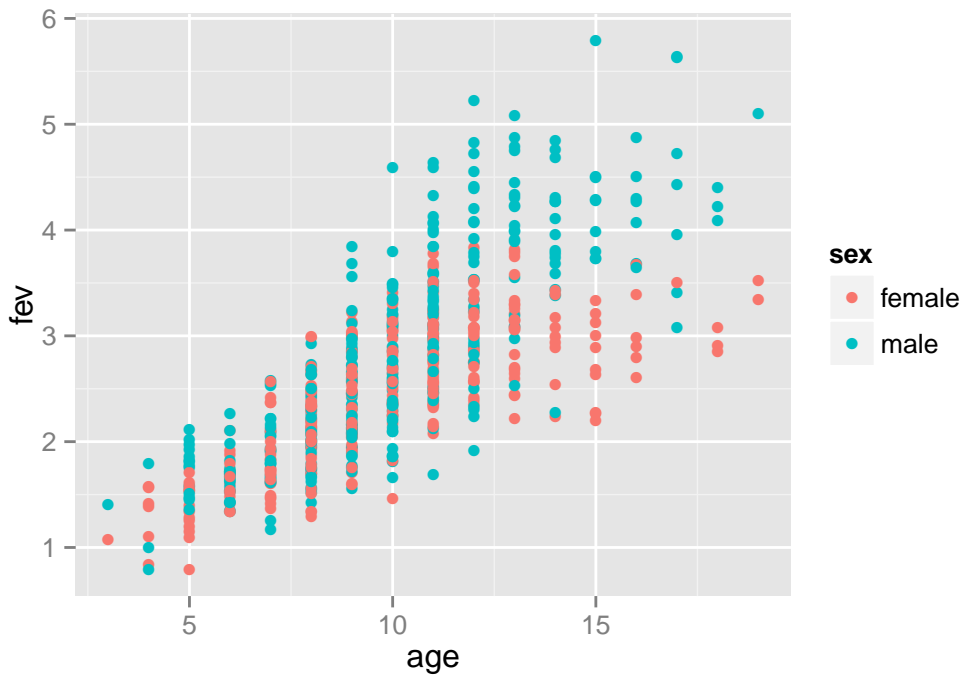


Figure 1: Scatterplot of age vs. FEV stratified by sex

TO DO:

1. See if other variables need to be accounted for
2. See if age and sex interact

FH