

The first set of data consists of 63 different brands of drink, each measured on two variables: alcohol content (%) & price (\$)/10oz.

The first histogram shows the relative frequency of levels of alcohol (subdivided into intervals of .15%).

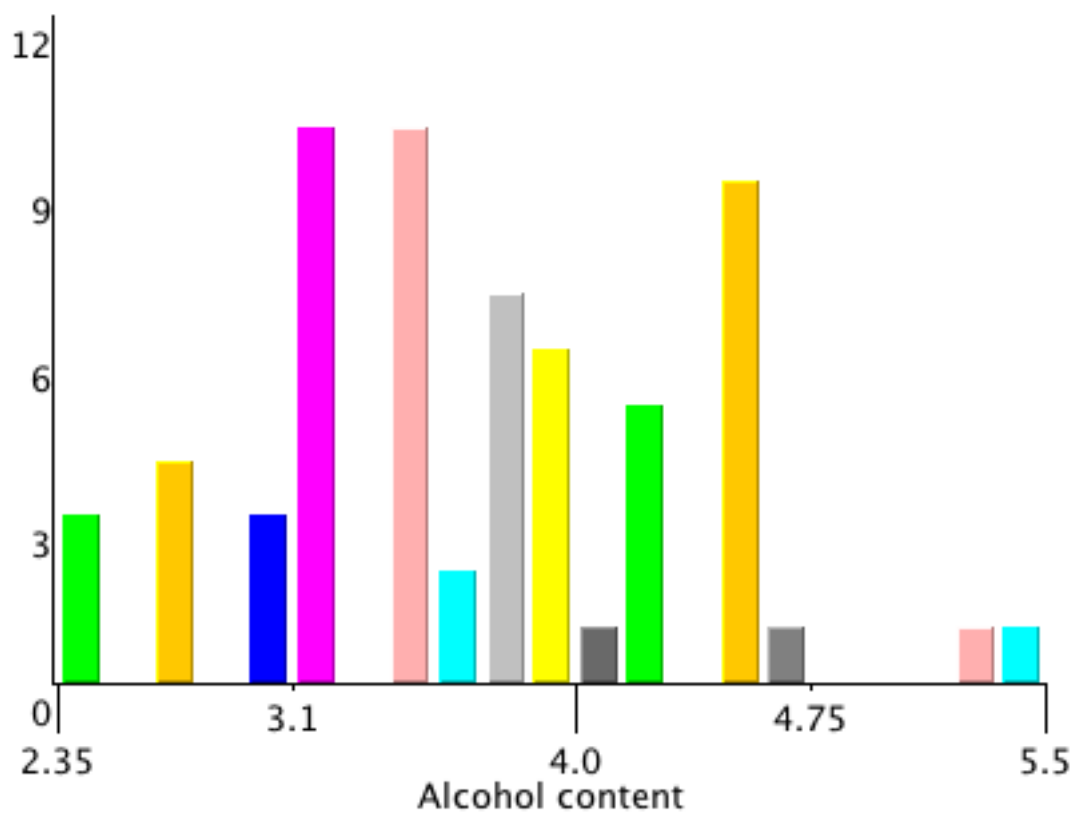
The second histogram shows the relative frequency of levels of price (subdivided into intervals of 6 cents).

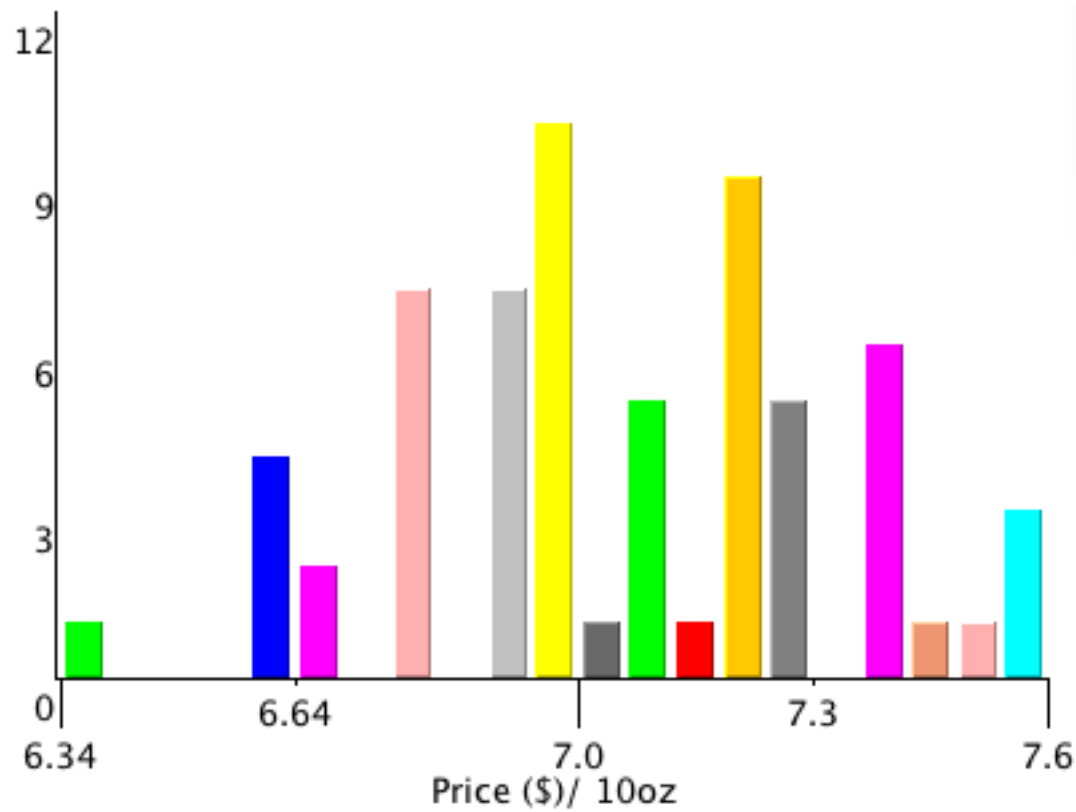
Each brand of drink is a point on the scatter plot that shows price versus alcohol content.*
Do you see any pattern in these points?

* By convention, when we say the scatter plot shows variable A *versus* variable B, we mean that, for the points (in this case, the brands of drink), the vertical height of each point is the value for variable A and the horizontal distance of the point is the value for variable B.

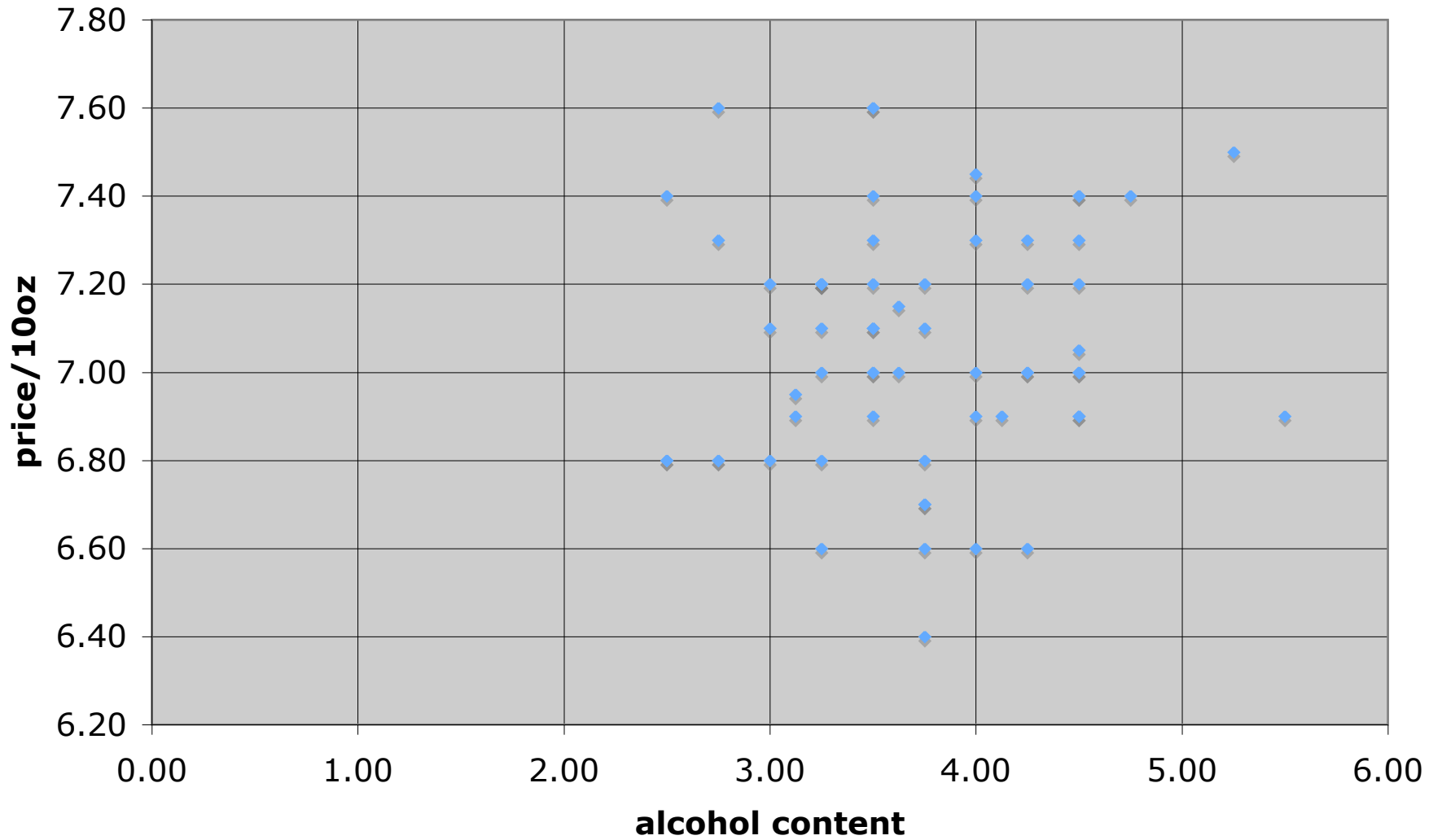
brand of drink	alcohol content	price/ 10oz
a	3.50	7.60
b	3.25	6.60
c	3.75	6.40
d	4.75	7.40
e	3.63	7.00
f	4.50	7.00
g	2.50	6.80
h	4.25	7.20
I	3.75	7.20
j	4.25	7.30
k	2.50	7.40
l	3.75	6.80
m	3.75	6.70
n	3.50	7.40
o	3.00	6.80
p	2.75	7.30
q	3.75	6.70
r	3.25	7.20
s	4.00	7.40
t	3.63	7.15
u	3.13	6.95
v	4.13	6.90
w	3.25	7.10
x	3.50	7.30
y	3.25	6.80
z	3.75	7.10
aa	4.00	6.90
bb	5.25	7.50
cc	3.50	7.60
dd	3.50	6.90
ee	3.25	7.20
ff	2.75	6.80
gg	4.00	7.45
hh	3.50	7.00
ii	3.25	7.20
jj	3.50	7.00
kk	3.50	7.20
ll	4.25	6.60
mm	3.13	6.90
nn	3.25	7.20
oo	4.50	7.00
pp	4.50	6.90
qq	5.50	6.90
rr	3.00	7.10
ss	4.50	7.40
tt	2.75	7.60
uu	4.50	7.05

vv	4.00	6.60
ww	4.25	7.00
xx	4.50	7.30
yy	4.25	7.00
zz	4.00	7.30
aaa	3.50	7.10
bbb	4.50	6.90
ccc	4.00	7.00
ddd	4.50	7.40
eee	2.75	6.80
fff	3.50	7.10
ggg	2.50	6.80
hhh	3.25	7.00
iii	3.00	7.20
jjj	3.75	6.60
kkk	4.50	7.20





Brands of drink (price vs. alcohol)



The second set of data consists of 63 different families, each measured on two variables: mother's height (inches) & father's height (inches).

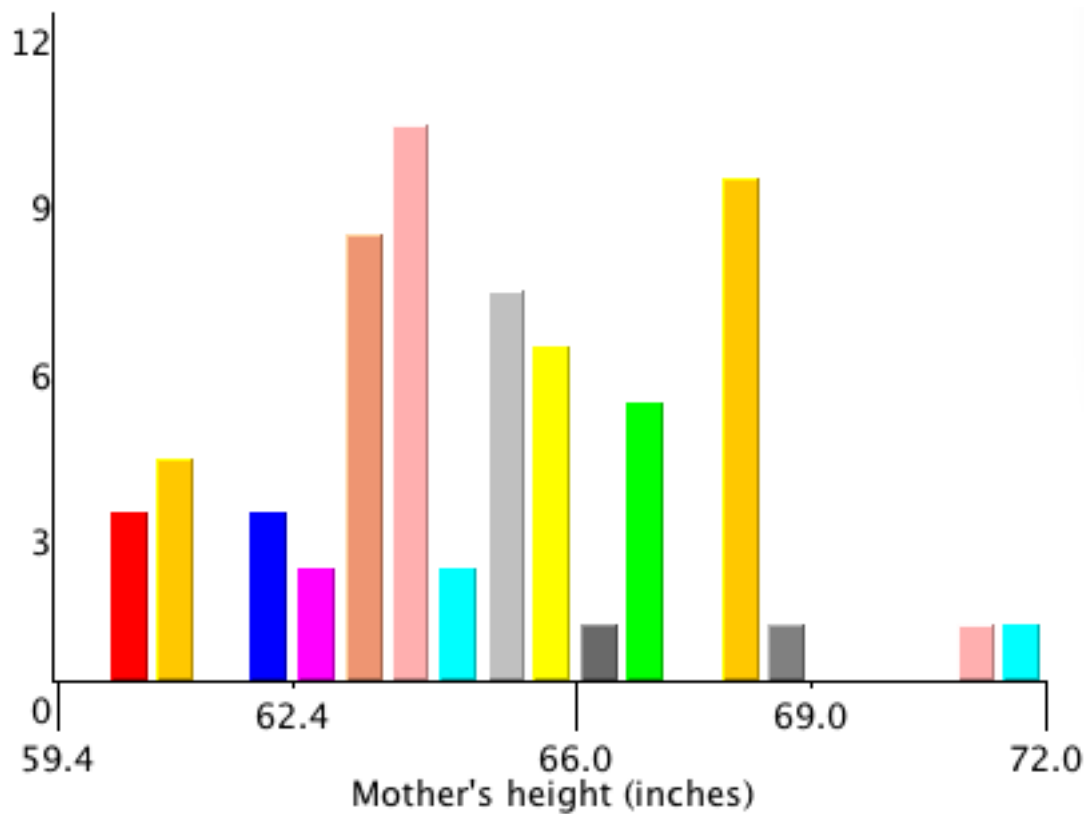
The first histogram shows the relative frequency of levels of mother's height (subdivided into intervals of .6 inches).

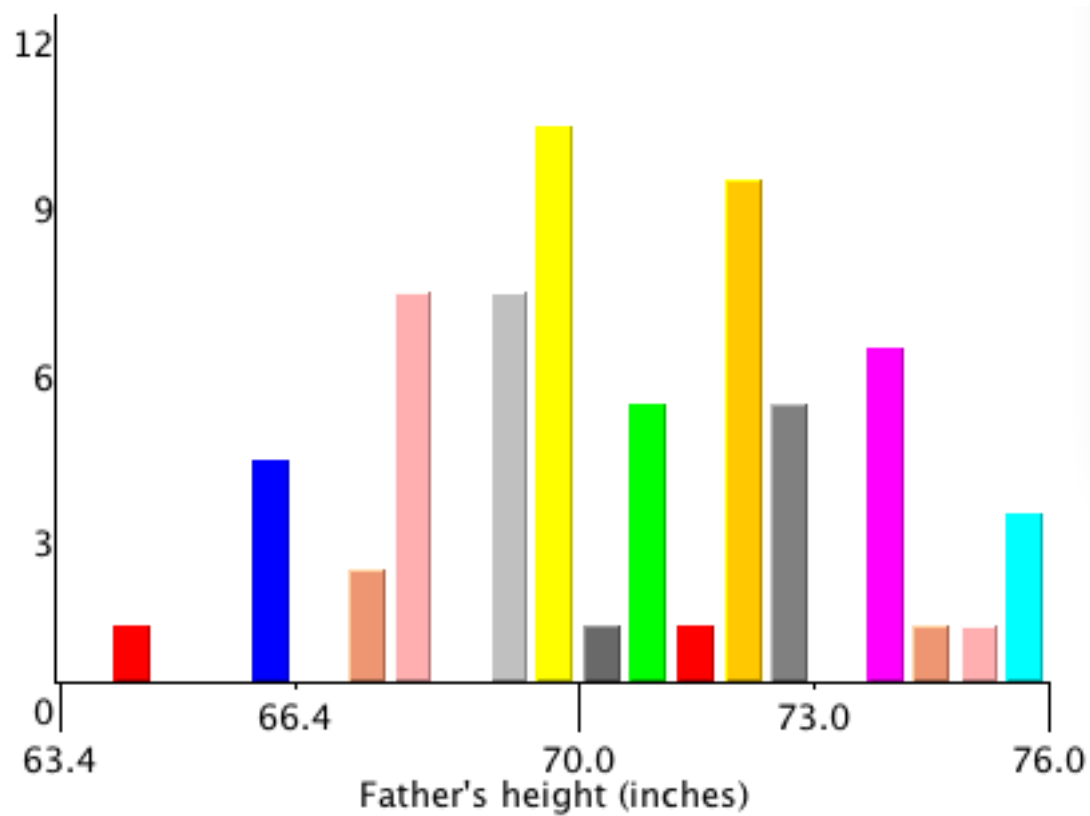
The second histogram shows the relative frequency of levels of father's height (subdivided into intervals of .6 inches).

Each family is a point on the scatter plot that shows father's height *versus* mother's height. Do you see any pattern in these points?

Family	mother's height (inches)	father's height (inches)
a	64	76
b	63	66
c	65	64
d	69	74
e	64.5	70
f	68	70
g	60	68
h	67	72
I	65	72
j	67	73
k	60	74
l	65	68
m	65	67
n	64	74
o	62	68
p	61	73
q	65	67
r	63	72
s	66	74
t	64.5	71.5
u	62.5	69.5
v	66.5	69
w	63	71
x	64	73
y	63	68
z	65	71
aa	66	69
bb	71	75
cc	64	76
dd	64	69
ee	63	72
ff	61	68
gg	66	74.5
hh	64	70
ii	63	72
jj	64	70
kk	64	72
ll	67	66
mm	62.5	69
nn	63	72
oo	68	70
pp	68	69
qq	72	69
rr	62	71
ss	68	74
tt	61	76

uu	68	70.5
vv	66	66
ww	67	70
xx	68	73
yy	67	70
zz	66	73
aaa	64	71
bbb	68	69
ccc	66	70
ddd	68	74
eee	61	68
fff	64	71
ggg	60	68
hhh	63	70
iii	62	72
jjj	65	66
kkk	68	72





Families (father's vs. mother's heights)

