

This is CS50

```
#include <stdio.h>
int main(void)
{
    int count;

    for (count = 1; count <= 500; count++)
        printf("I will not throw paper airplanes in class.");
    return 0;
}
```

AMEND 10-3

AMEND 10-3



bugs

Photo # NH 96566-KN First Computer "Bug", 1945

92

9/9

0800 Antan started
 1000 " stopped - antan ✓
 1300 (032) MP-MC 1.482147000
 (033) PRO 2 2.130476415
 2.130676415
 Relays 6-2 in 033 failed special speed test
 in relay " 11.00 test.

1100 Started Cosine Tape (Sine check)
 1525 Started Multi-Adder Test.

1545



Relay #70 Panel F
 (moth) in relay.

First actual case of bug being found.
 1630 Antan started.
 1700 closed down.

Relay
 2145
 Relay 337

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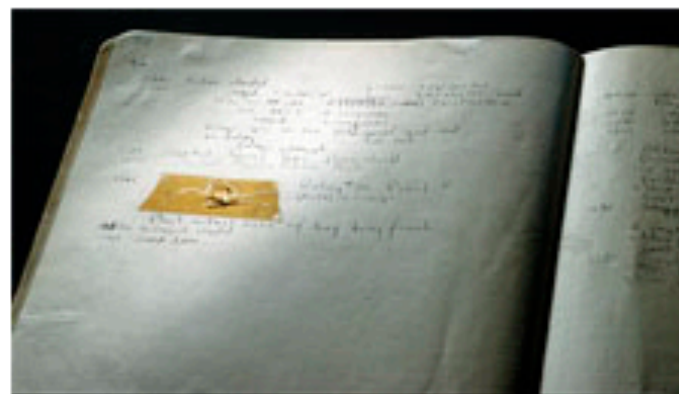
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Log Book With Computer Bug



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Harvard University found a moth stuck in one of the components. They taped the insect in their logbook and labeled it "first actual case of bug being found." The words "bug" and "debug" soon became a standard part of the language of computer programmers.

Object ID: 1994.0191.01

Subject(s): [Computers & Business Machines](#), [Military](#)

American engineers have been calling small flaws in machines "bugs" for over a century. Thomas Edison talked about bugs in electrical circuits in the 1870s. When the first computers were built during the early 1940s, people working on them found bugs in both the hardware of the machines and in the programs that ran them.

In 1947, engineers working on the Mark II computer at

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Boolean expressions

```
if (condition || condition)
{
    // do this
}
```

Boolean expressions

```
if (condition && condition)
{
    // do this
}
```

conditions

```
if (condition)
{
    // do this
}
else if (condition)
{
    // do that
}
else
{
    // do this other thing
}
```

switches

```
switch (expression)
{
    case i:
        // do this
        break;

    case j:
        // do that
        break;

    default:
        // do this other thing
}
```


loops

```
for (initializations; condition; updates)
{
    // do this again and again
}
```

loops

```
while (condition)
{
    // do this again and again
}
```

loops

```
do  
{  
    // do this again and again  
}  
while (condition);
```

CS50 Lunch

cs50.net/rsvp

sectioning

hurry!

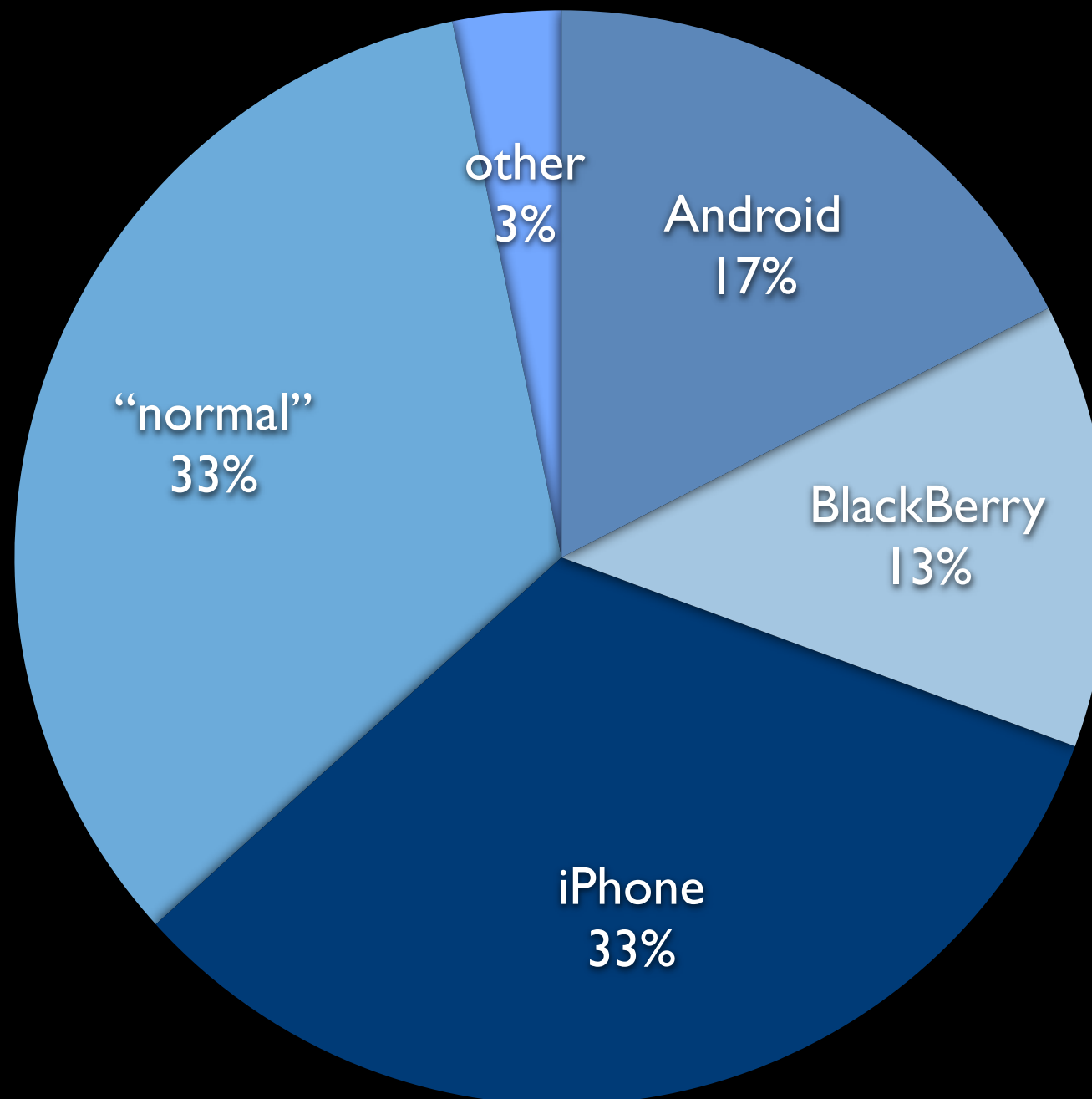
supersections

today, tomorrow; 6pm

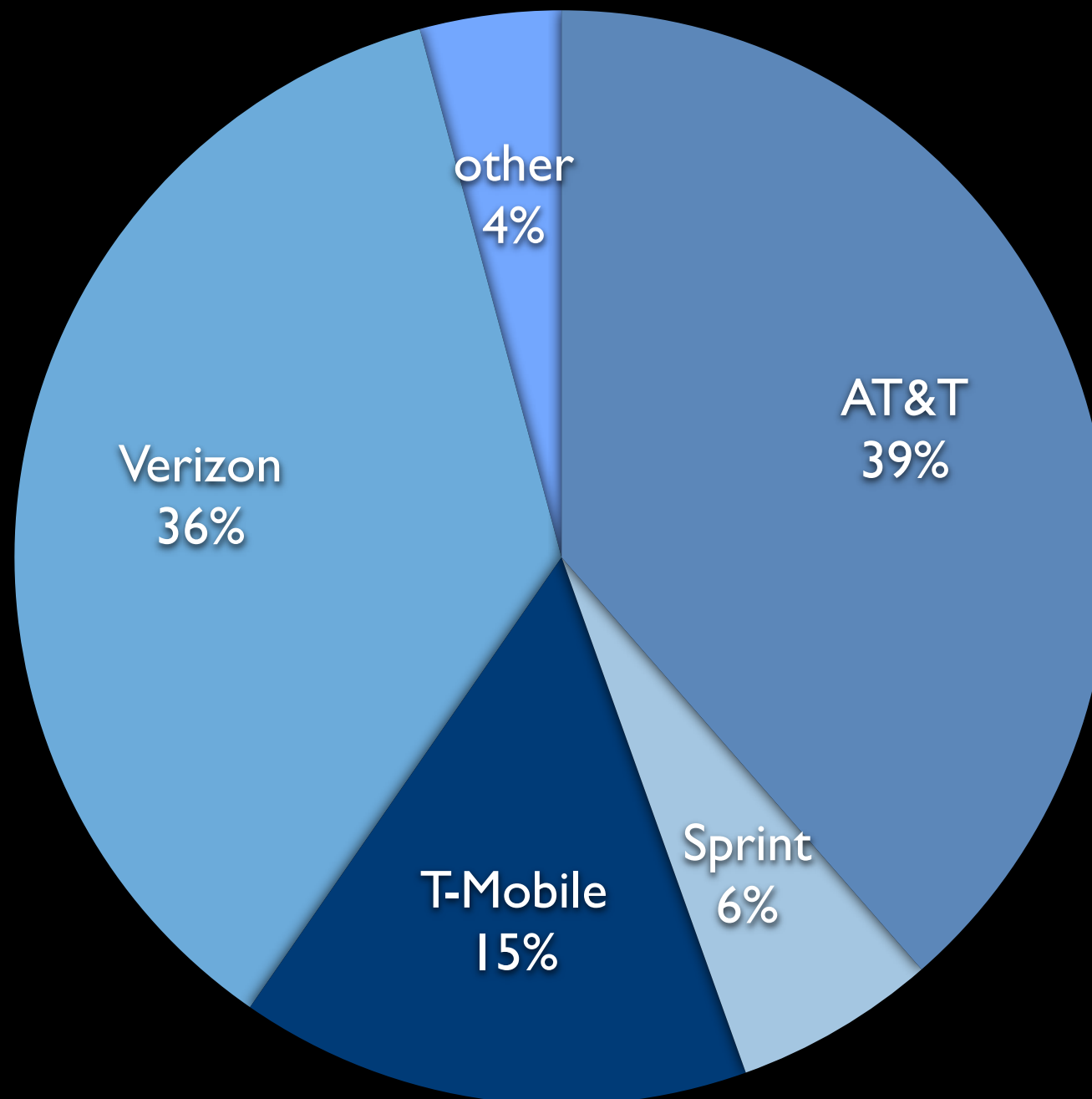
walkthrough I

cs50.net/psets

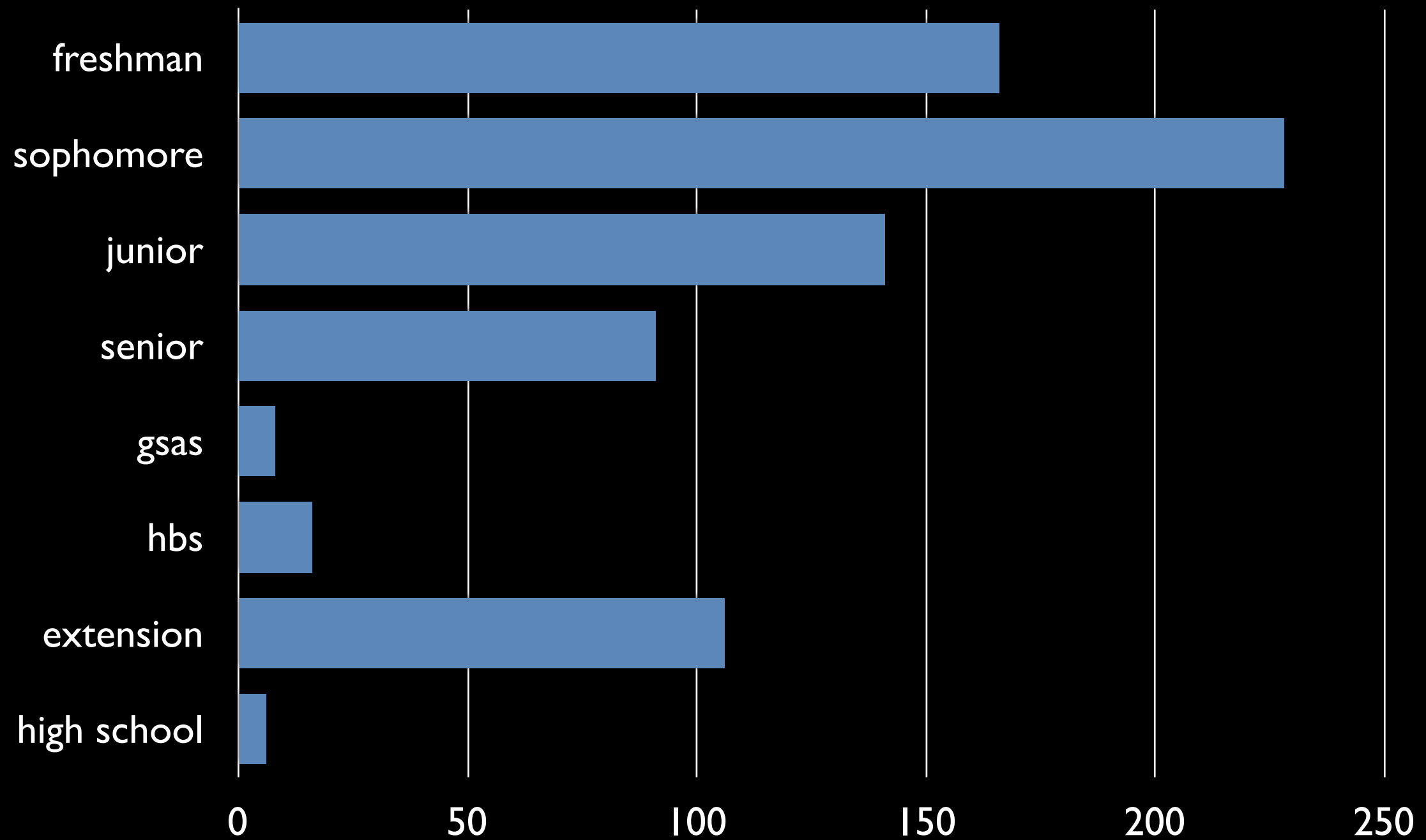
phone



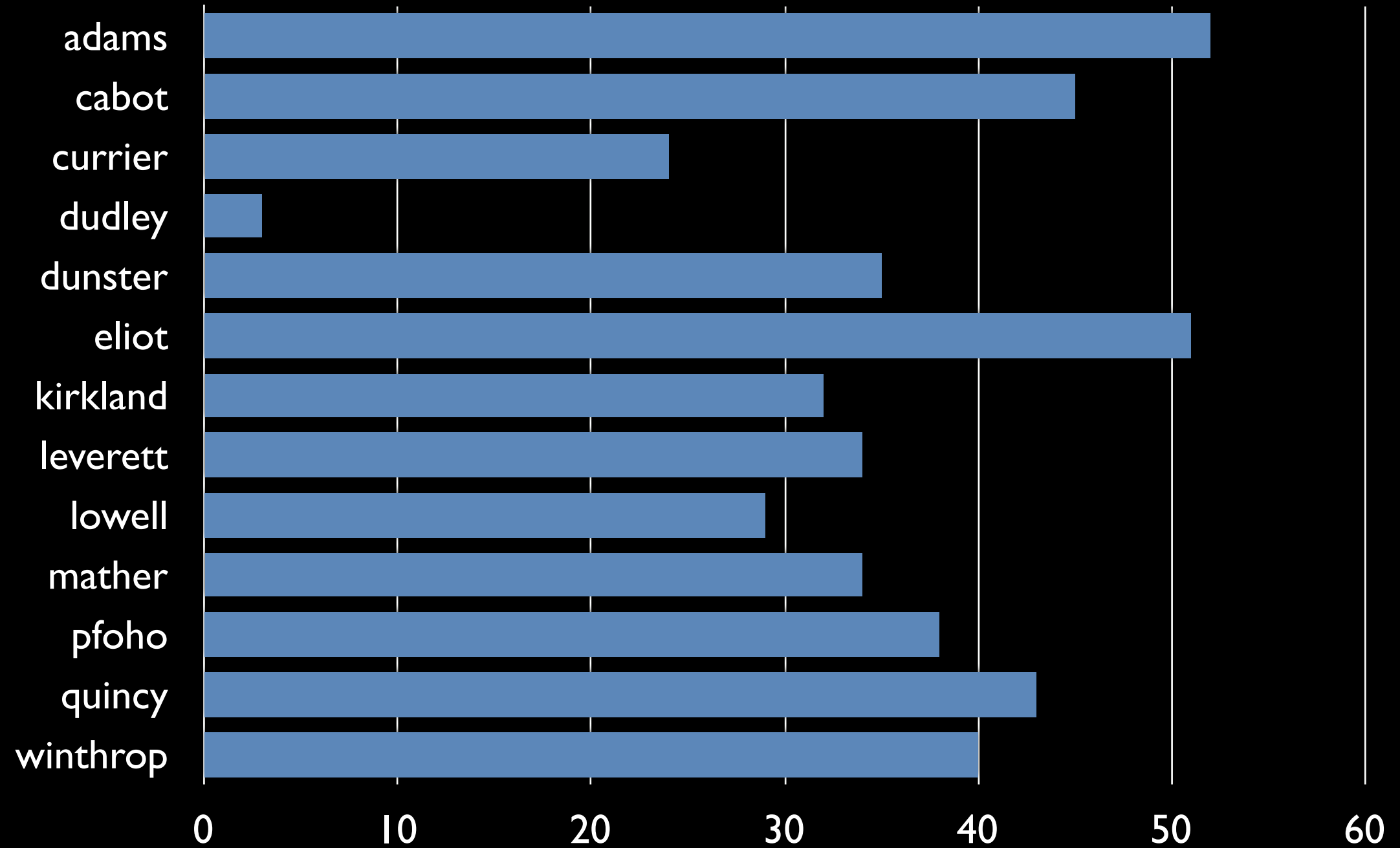
carrier



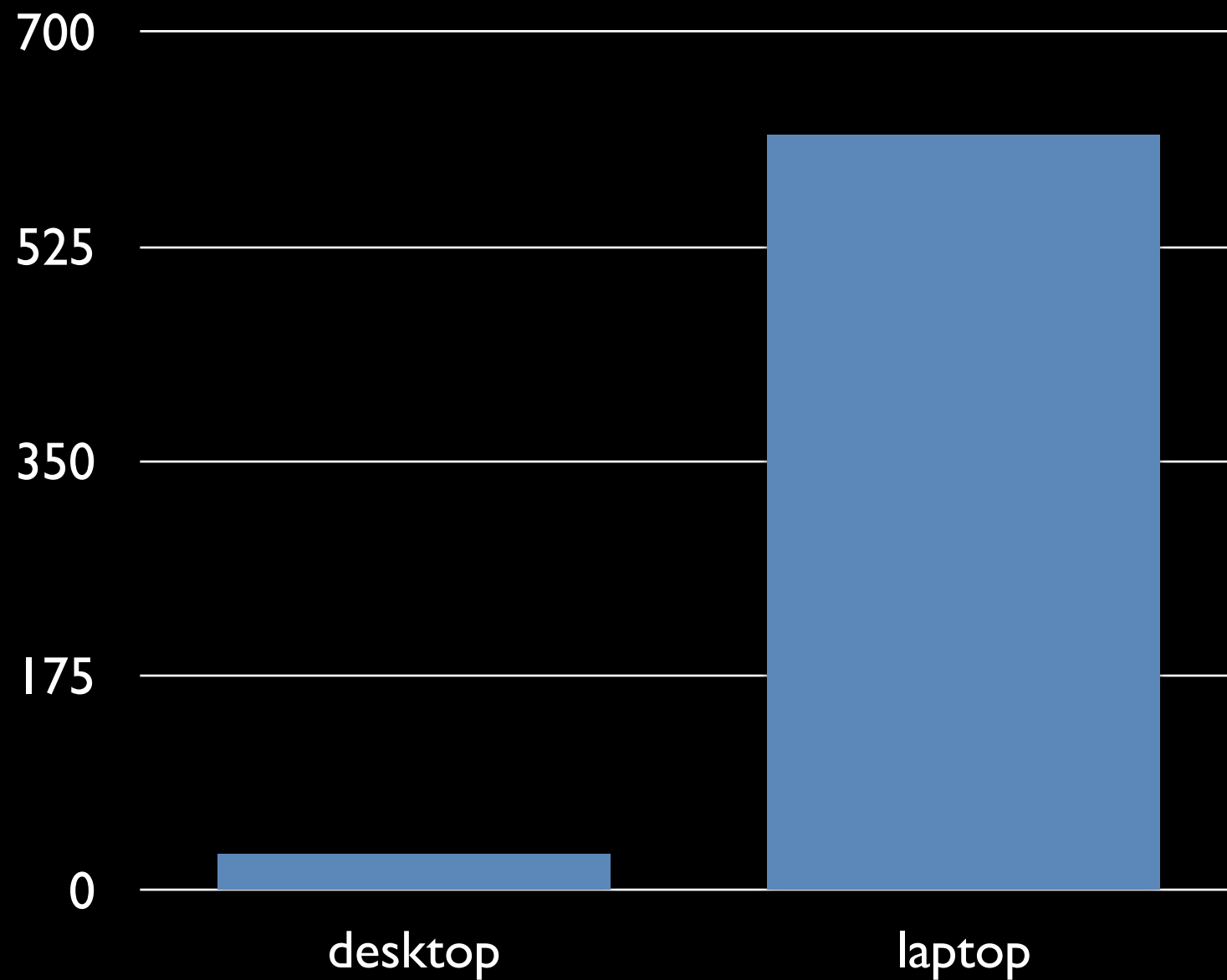
year



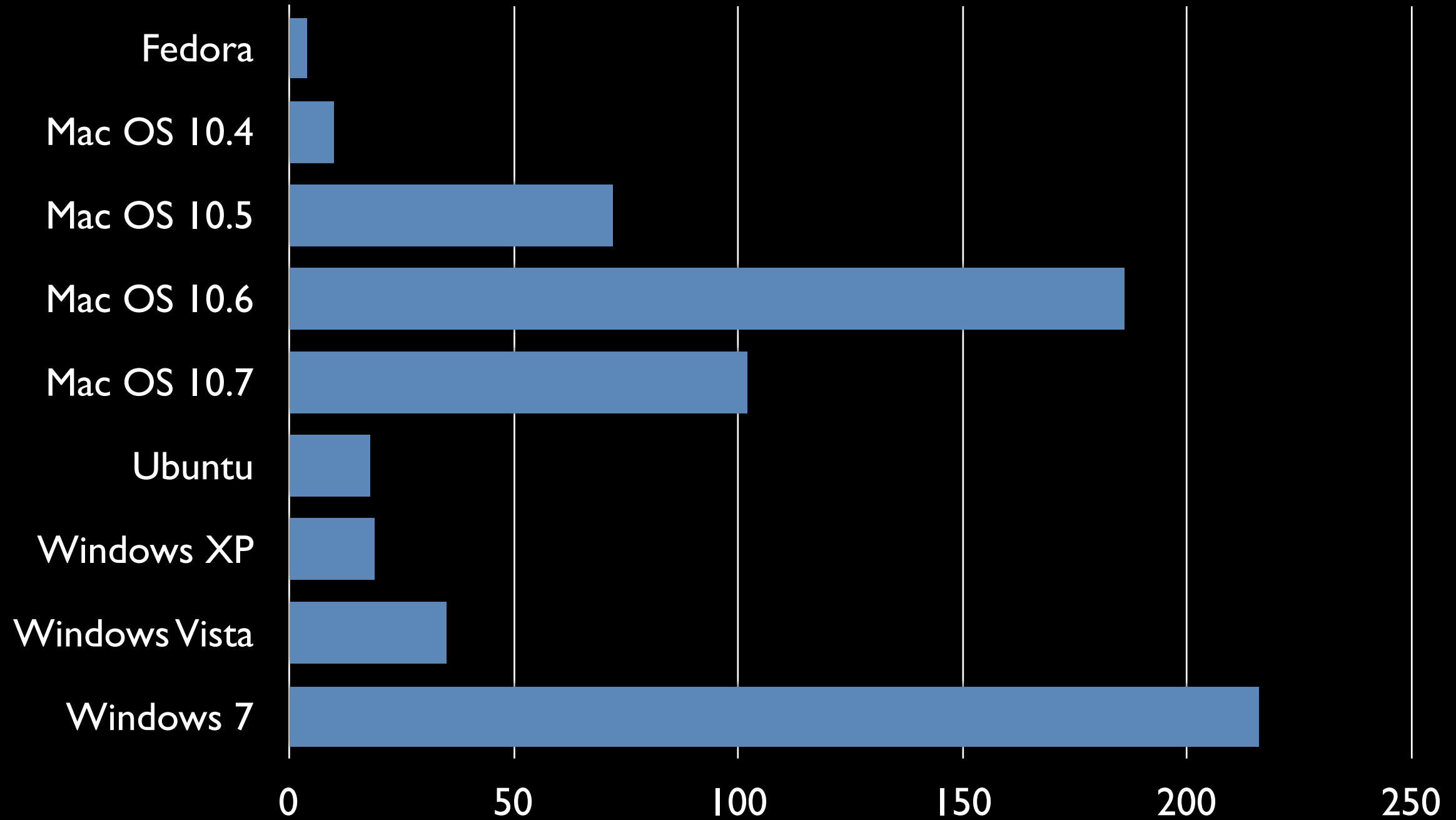
house



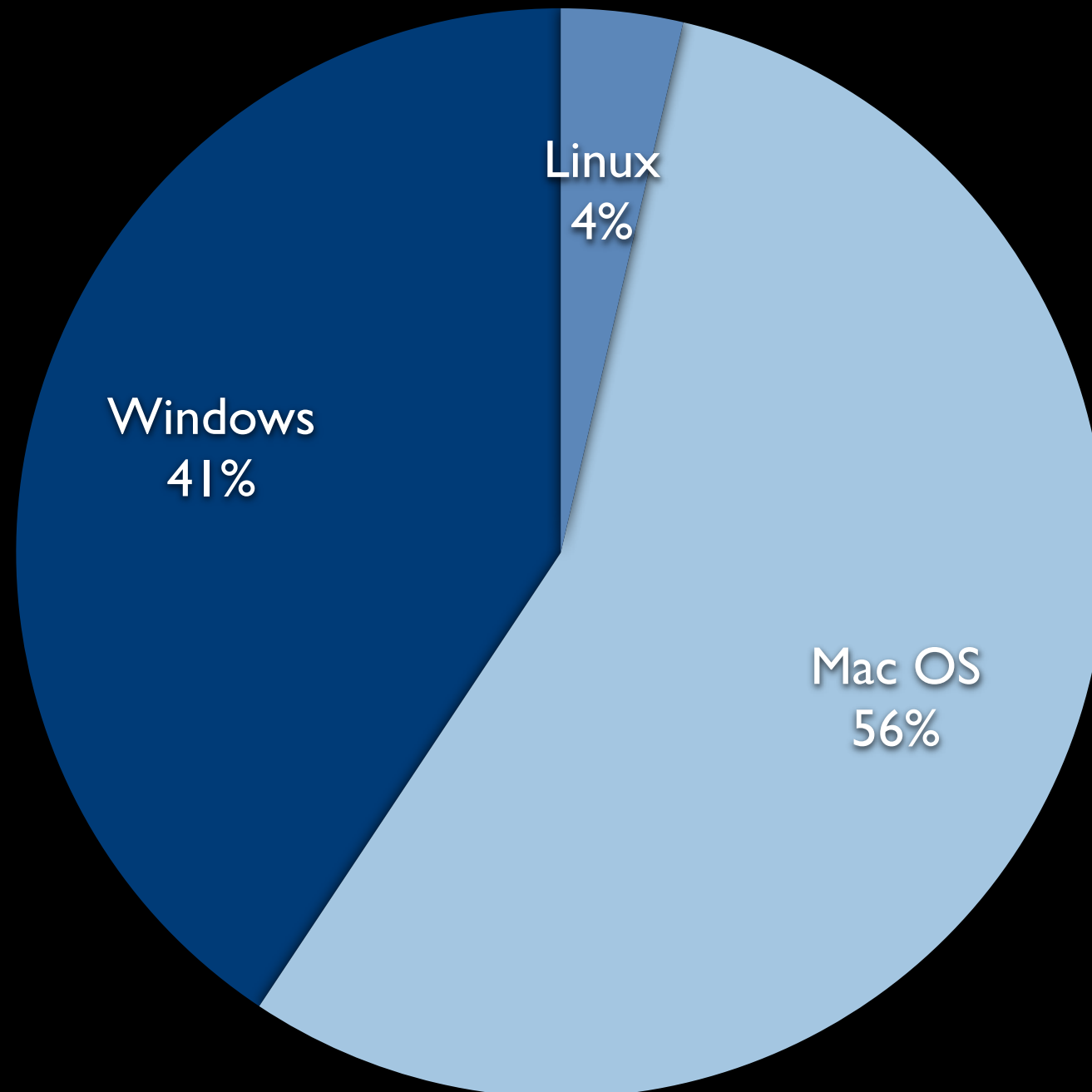
computer



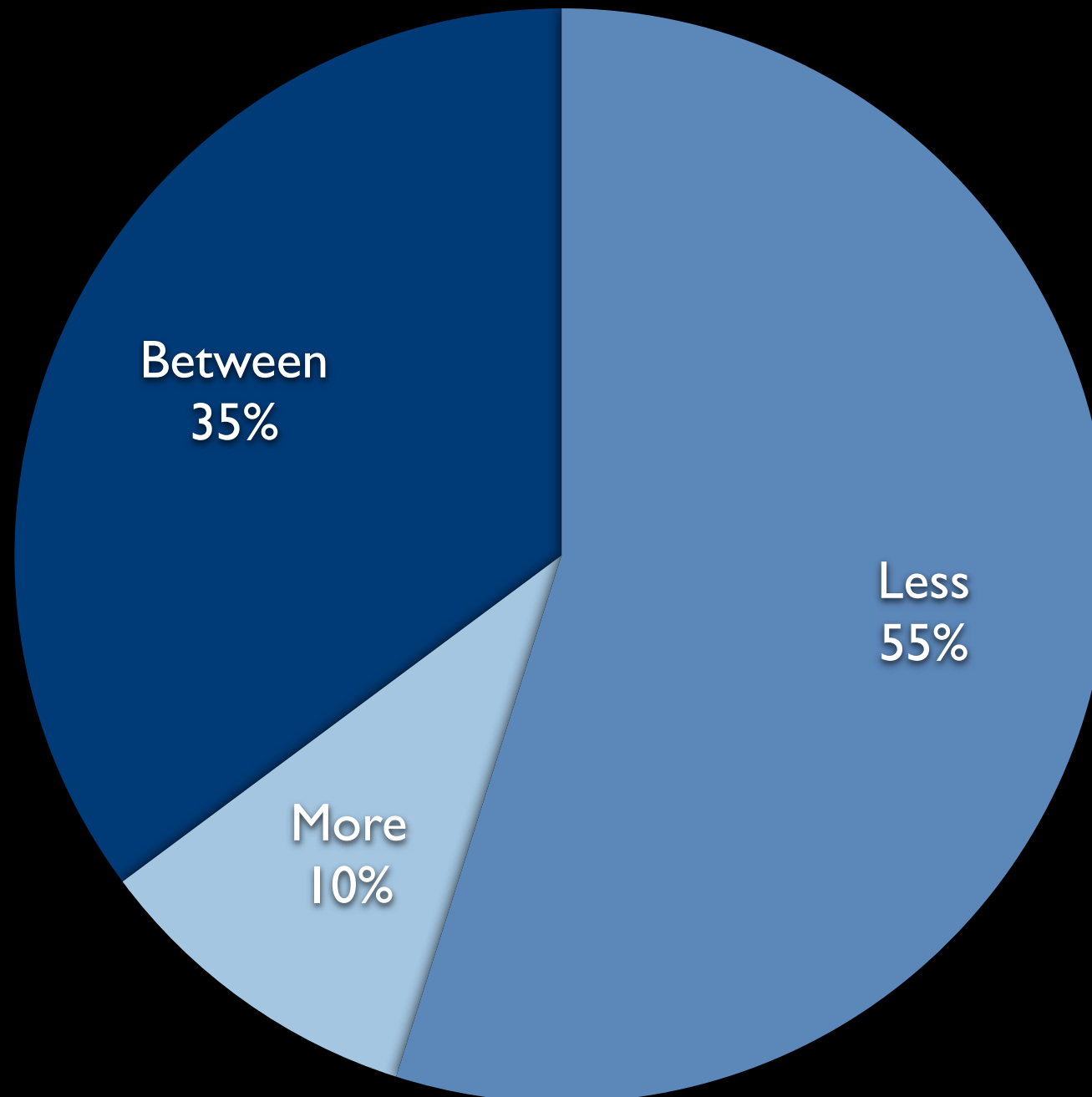
OS



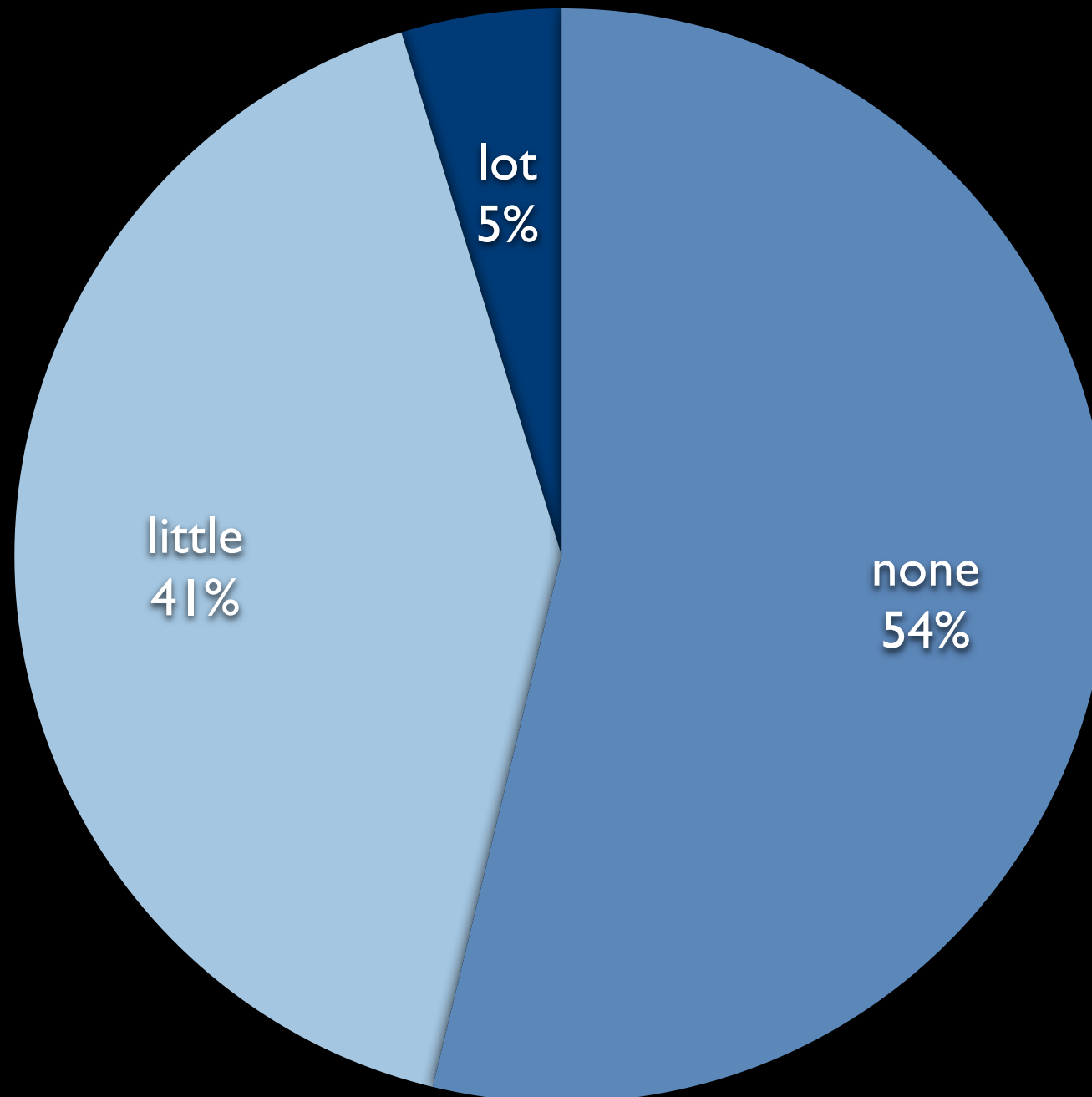
OS



comfort



experience



CS50 Appliance

<https://manual.cs50.net/Appliance>

VirtualBox

<https://manual.cs50.net/VirtualBox>

VT-x

<https://manual.cs50.net/Virtualization>

grades

scope

correctness

design

style

grades

5 - best

4 - better

3 - good

2 - fair

1 - poor

academic honesty

	1	2	3	4	5	
	6	7	8	9	10	
	11	12	13	14	15	
	16	17	18	19	20	
	21	22	23	24	25	
	26	27	28	29	30	
31	32	33	34	35	36	37

typecasting

99 bottles of beer on the wall,
99 bottles of beer,
Take one down, pass it around,
98 bottles of beer on the wall.

to be continued...