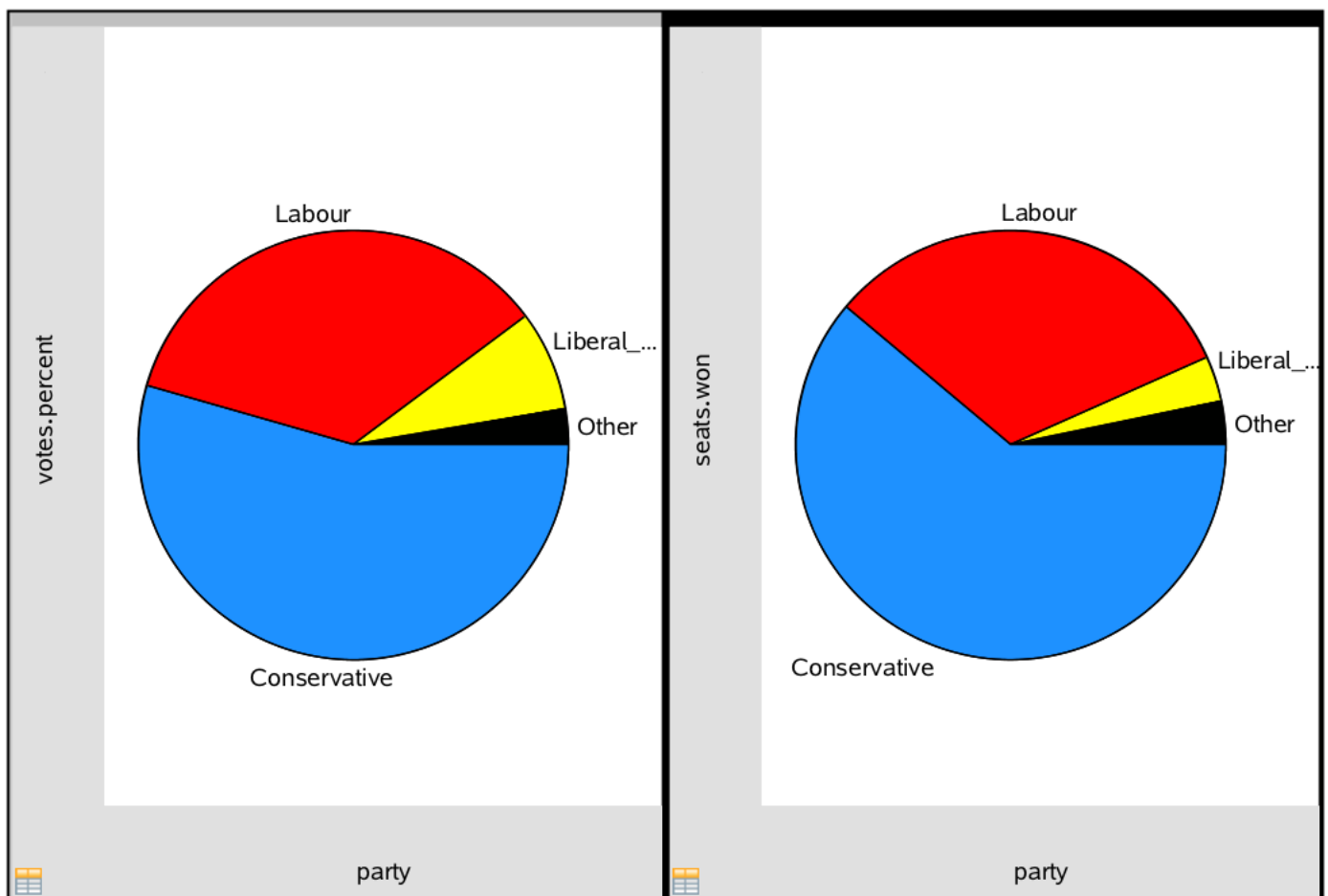


Q2

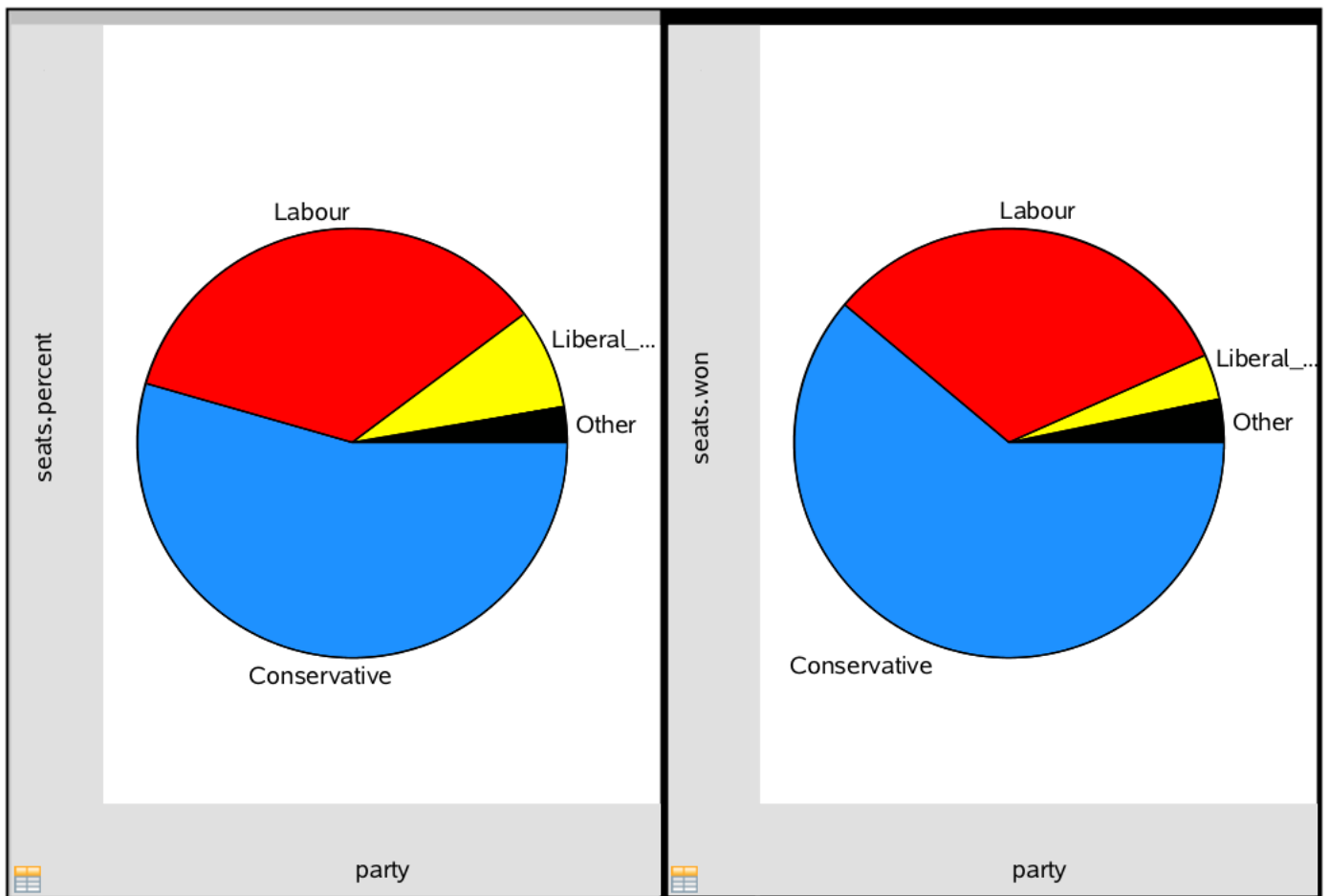
	A party	B votes.percent	C seats.won	D seats.percent
=				= 'votes.percent/100*sum('seats.w
1	Conservative	43.5	397	282.75
2	Labour	28.3	209	183.95
3	Liberal_Democrat...	6	23	39
4	Other	2.2	21	14.3
5				
6				
7				
8				
9				
10				
11				
12				

$$D \text{ seats.percent} := \frac{\text{'votes.percent}}{100} \cdot \text{sum('seats.won)}$$

1.1



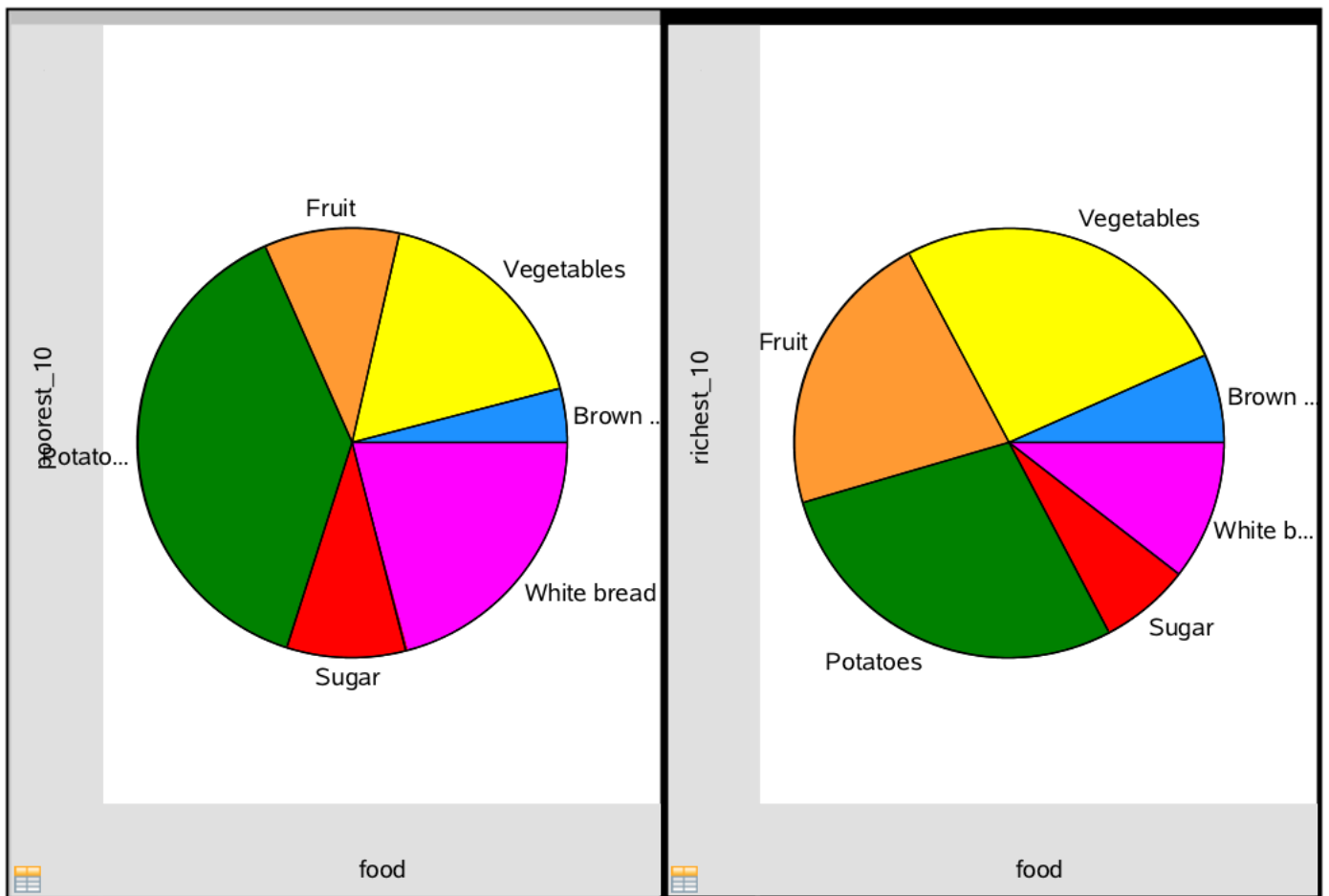
1.2



Q3

A food	B poorest_10	C richest_10	D	E	F	G
=						
1 White bread	26	12.3				
2 Sugar	11.5	8				
3 Potatoes	48.3	33.4				
4 Fruit	13	25.3				
5 Vegetables	21.5	30.7				
6 Brown bread	5.2	8				
7						
8						
9						
10						
11						
12						
13						

2.1



2.2

$\text{sum}(\text{poorest_10})$	125.5
$\text{sum}(\text{richest_10})$	117.7
$\text{proportion} = \frac{125.5}{117.7}$	1.06627
$\sqrt{\text{proportion}}$	1.0326
© So radius of Poorest 10% should be 1.0326 times larger	
<div></div>	

2.3