

Diamond sizes

LEI SUN

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##	carat		cut		color		clarity		depth	
##	Min.	:0.2000	Fair	: 1610	D: 6775	SI1	:13065	Min.	:43.00	
##	1st Qu.	:0.4000	Good	: 4906	E: 9797	VS2	:12258	1st Qu.	:61.00	
##	Median	:0.7000	Very Good	:12082	F: 9542	SI2	: 9194	Median	:61.80	
##	Mean	:0.7979	Premium	:13791	G:11292	VS1	: 8171	Mean	:61.75	
##	3rd Qu.	:1.0400	Ideal	:21551	H: 8304	VVS2	: 5066	3rd Qu.	:62.50	
##	Max.	:5.0100			I: 5422	VVS1	: 3655	Max.	:79.00	
##					J: 2808	(Other):	2531			
##	table		price		x		y			
##	Min.	:43.00	Min.	: 326	Min.	: 0.000	Min.	: 0.000		
##	1st Qu.	:56.00	1st Qu.	: 950	1st Qu.	: 4.710	1st Qu.	: 4.720		
##	Median	:57.00	Median	: 2401	Median	: 5.700	Median	: 5.710		
##	Mean	:57.46	Mean	: 3933	Mean	: 5.731	Mean	: 5.735		
##	3rd Qu.	:59.00	3rd Qu.	: 5324	3rd Qu.	: 6.540	3rd Qu.	: 6.540		
##	Max.	:95.00	Max.	:18823	Max.	:10.740	Max.	:58.900		
##										
##	z									
##	Min.	: 0.000								
##	1st Qu.	: 2.910								
##	Median	: 3.530								
##	Mean	: 3.539								
##	3rd Qu.	: 4.040								
##	Max.	:31.800								
##										

We have data about 53940 diamonds. Only 17502 are larger than 1 carat. The distribution of the remainder is shown below:

