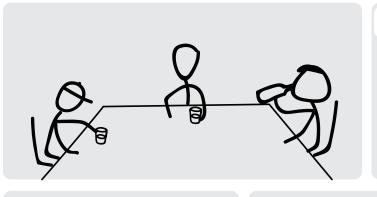
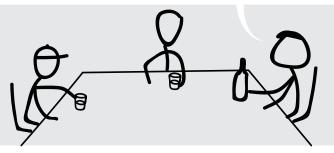
## Introduction



Do you guys have any plan for the coming Easter holiday?



Let's go skiing!

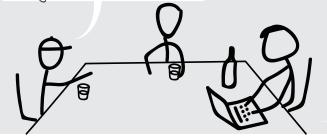


That's a good idea!

But I don't know which mountain will have snow, it's too early to see the weather forecast.

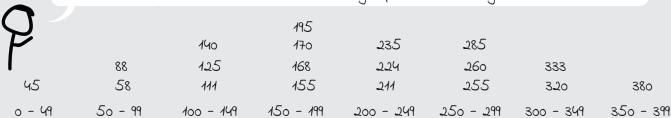


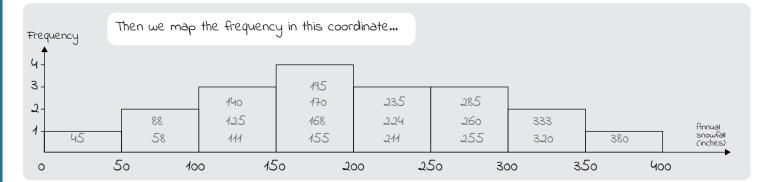
It seems we need to find a place with high chance of snow.

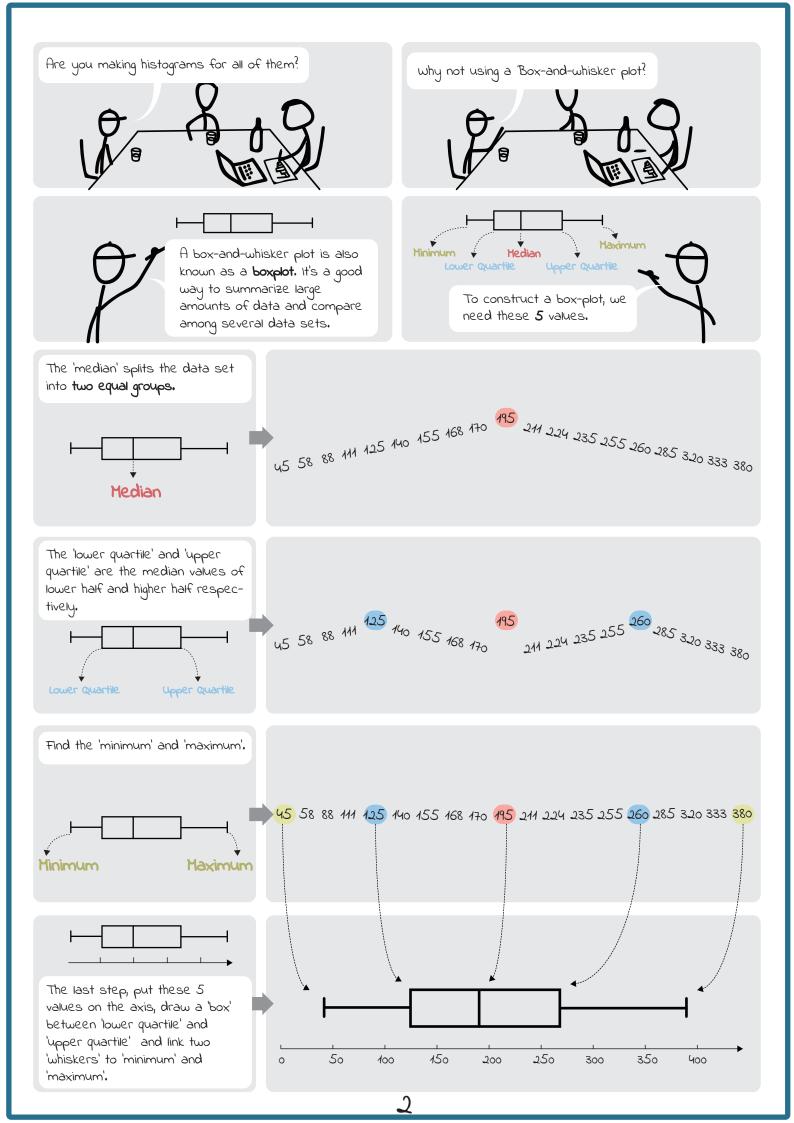


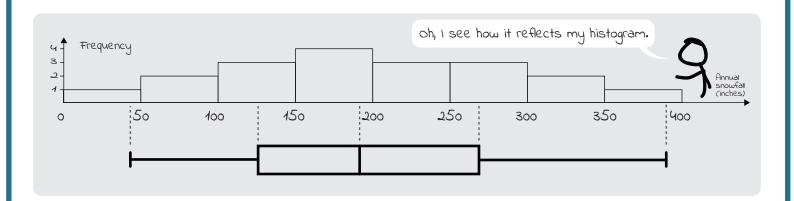
THE CUISED FILL		THE GOIL	ien np	LINSONS	PEak	Piggai	rillside	THE KO	ging rop
Year	Snowfall	Year	Snowfall	Year	Snowfall	Year	Snowfall	Year	Snowfall
2018	45	2018		- 10	1	- '0		- 10	
2017	58	201							
2016	111	201 I find 5 mountains, and the data of 201 annual snowfall for each mountain in							
2015	155								
2014	211	2011 the past 19 years.							
2013	<b>2</b> 55	201	THE	pasi	11 ye	ais.			
2012	320	2							

To see how these data are distributed, we should visualize them. Let's start from the first one, The Cursed Hill, and sort the snowfall value into 8 groups in an ascending order:

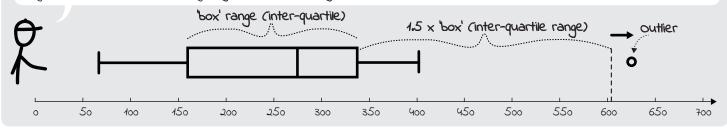






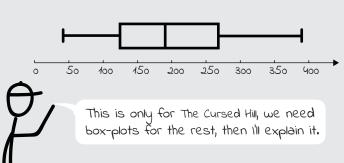


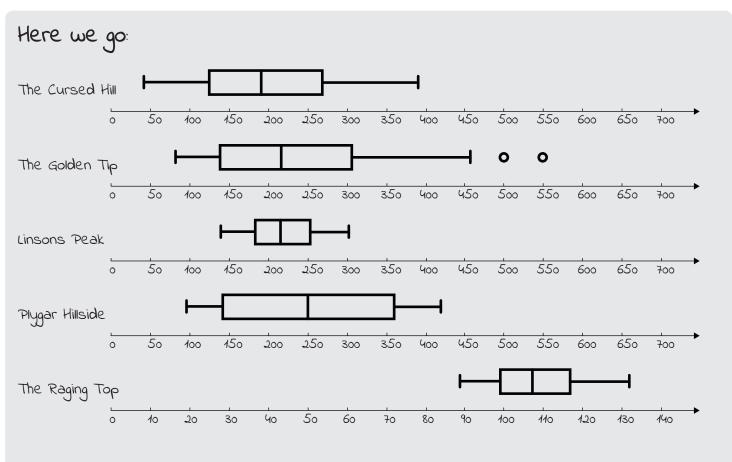
In boxplots the whiskers are generally defined as 1.5 times the 'box' (inter-quartile range) below the lower quartile and beyond the upper quartile. Anything outside this range is considered as an outlier.

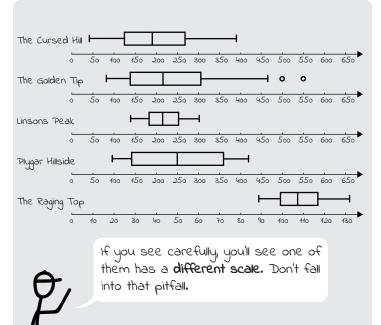


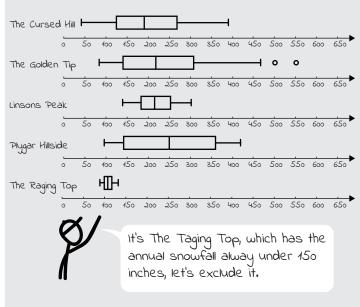
Great! How can we use boxplots to make decision?

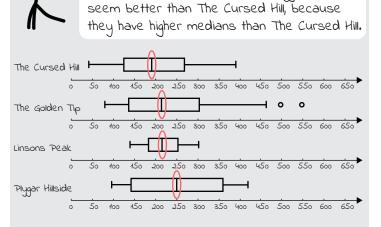






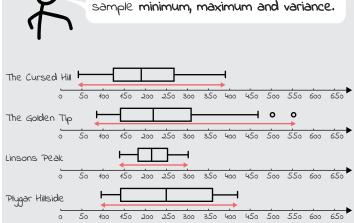






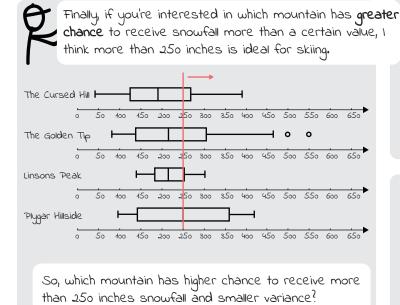
For the rest, by comparing the median, The

Golden Tip, Linsons Peak and Playgar Hillside



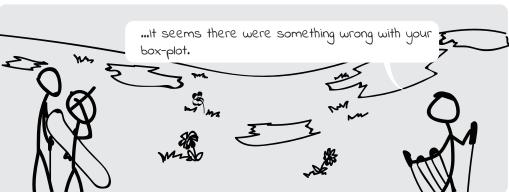
The extreme values tell us two messages,

The greater variance it has, the more spread out annual snowfall data is. Smaller variance indicate the data of snowfall doesn't vary as much from year to year.



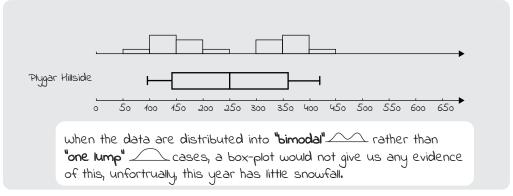






Let me check the data again.. Oh no! It's a bimodal distribution.





...So bad!

