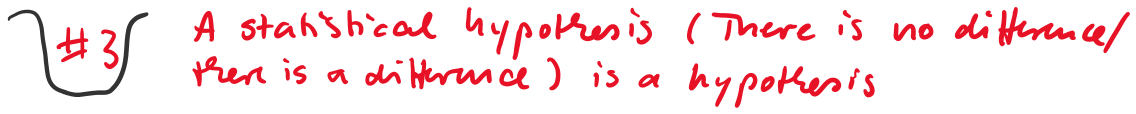
**Notes for video 6.3.:** <http://tinyurl.com/rr480/video/hypothesis>



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A hypothesis (plural hypotheses) is a proposed explanation for a phenomenon. 
For a hypothesis to be a scientific hypothesis, the scientific method requires that 
one can test it. Scientists generally base scientific hypotheses on previous 
observations that cannot satisfactorily be explained with the available scientific 
theories. Even though the words "hypothesis" and "theory" are often used 
synonymously, a scientific hypothesis is not the same as a scientific theory. A 
working hypothesis is a provisionally accepted hypothesis proposed for further 
in a process beginning with an educated guess or thought.[2] 
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Hypotheses, concepts and measurement 
4.1 Statistical hypothesis testing 
The hypothesis of Andreas Cellariusv showing the planetary 
motions in eccentric and epicyclical orbits. 

