

August 28, 2020
MSE 2101 topics

- 1580: Tycho Brahe – exquisite precision in observational data
- 1593: Giordano Bruno – non-centric Universe, stars are suns
- 1619: Johannes Kepler; Kepler's laws of planetary motion
- Objections, and how Galileo resolved them
 - inertia
 - perfect, unchanging heavens
 - @#\$%@ stellar parallax
- 1633: The Trial of Galileo
- 1687: Newton's *Principia* brings everything together
- The Theory of Gravity
- Recap: what makes an inquiry *scientific*?
- The Hallmarks of science:
 - ditch supernatural!
 - create testable models for which Occam's razor applies!
 - test predictions, revise, abandon if faulty!
- Science vs. pseudoscience