

August 28, 2023
MSE 2101 topics

- Recap: the definition of life
- Can AI/Siri/code be considered alive?
- Drake's equation
 - Number of stars in our galaxy? _____
 - Average number of planets? _____
 - Fraction of inhabitable planets? _____
 - Fraction of planets with life? _____
 - Fraction of intelligent life? _____
 - Fraction of communication-capable life? _____
 - Longevity fraction for a civilization? _____

 - Final answer: _____
- What makes a question *scientific*?
- The progression from a hypothesis to law
- The hallmarks of science
 - ditch supernatural
 - simplest models that adequately explain observations
 - testable/falsifiable predictions