March 14, 2019
MSE 2103 topics

- The mass-luminosity relationship

- Computing principal stellar parameters across the H-R diagram
  - given the temperature, what is the luminosity of a MS star?
  - given the luminosity, what is the mass of a MS star?
  - given the luminosity, what is the absolute magnitude?
  - given the luminosity and temperature, what is the radius of a MS star?
  - given the absolute and apparent magnitude, what is the distance to the star?

  Luminosity: _____

  Mass-Luminosity: _____

  Apparent magnitude: _____

  Absolute magnitude: _____

  Distance modulus: _____

            (and, of course, understanding the H-R diagram…)

- Practice, practice, practice

- … and then, homework…