Do *Larger* Stars Have to be More *Massive*?

• Same answer no matter how you interpret “larger”: radius, diameter or width, the volume (assuming that stars are all mostly spherical). However you prefer thinking about it
  – Massive means heavy: more kg or lbs. e.g. packed in. Independent of weight (gravity)

• Why or why not? Support your argument(s) with examples / counter-examples (not necessarily restricted to stars. Can think of earthly analogies