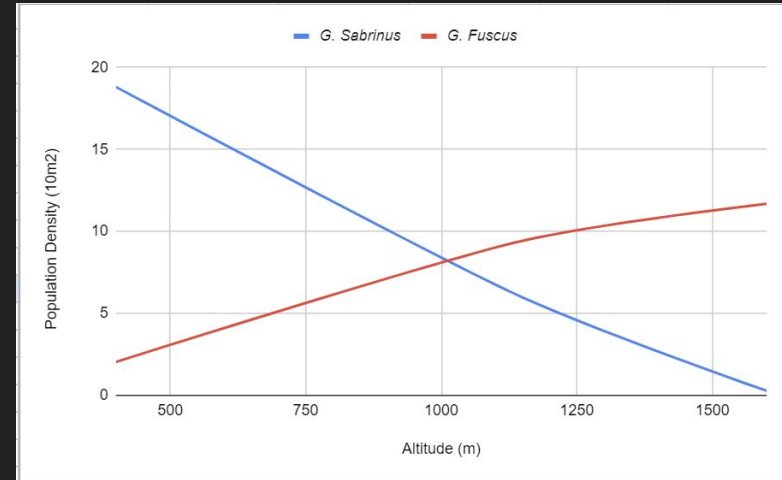


Assignment #3 Ecology

- *G.fuscus* lives at higher elevation (1600m) while *G.sabrinus* lives at lower elevation (400m) without competition.
- We determined that the two species maximally compete at approximately 1150m because the species equally outcompete each other as shown through repeated trials.
- Coexistence rarely occurs between these species at approximately 1150m due to environmental stochasticity
- Possible causes for competition stem from increased habitat size due to increased resource demand as shown in Gause's Protozoa study (Gause 1932).

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Effect of Altitude on Population Density in *G.fuscus* and *G.sabrinus*



Citation

Gause, G F. "Experimental Studies On The Struggle For Existence." *Journal Of Experimental Biology* 9.4 (1932): 389–402. Web.