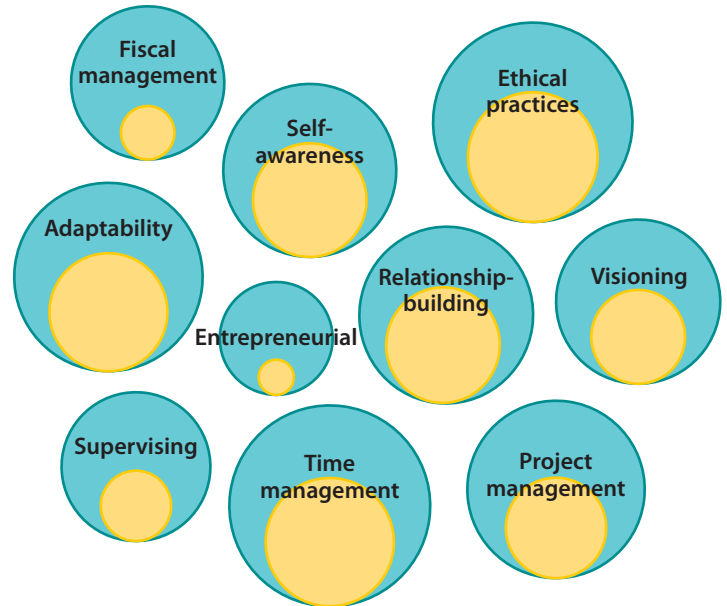
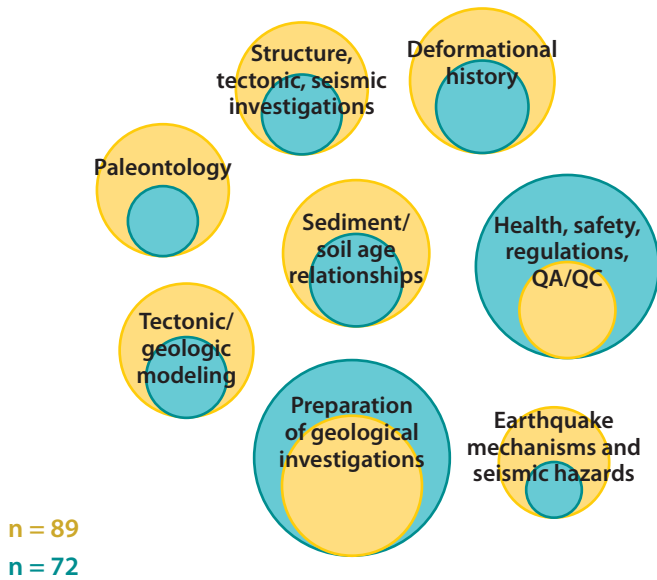


# A subset of data that highlights significant disparity between skill appraisal and student preparation

## TECHNICAL SKILLS

## GEOLOGY

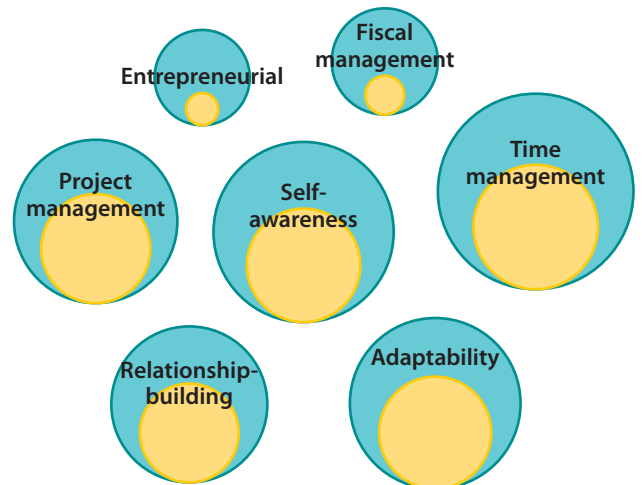
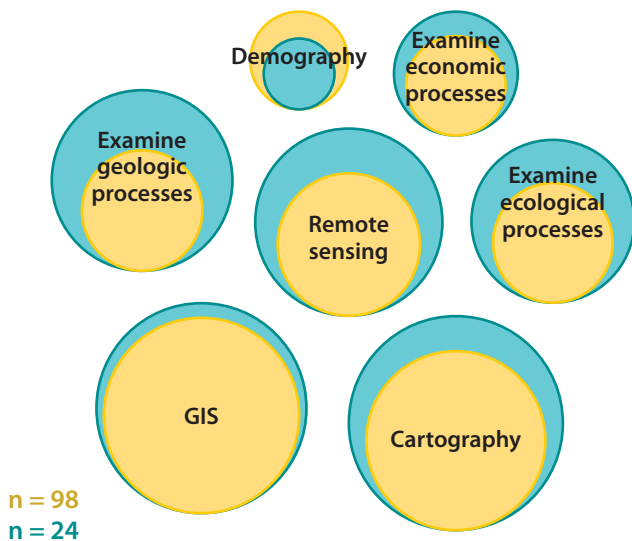
## NON-TECHNICAL SKILLS






## TECHNICAL SKILLS

## GEOGRAPHY

## NON-TECHNICAL SKILLS



-  Student preparation indicated by faculty and students
-  Importance of skill in professionals' current position
-  Diameter indicates magnitude of importance/preparation

**Data Source:** Geoscience Career Master's Preparation Survey Report, by Heather R. Houlton, American Geosciences Institute. Technical skill names for Geology adapted from the ASBOG Task Analysis Survey. Non-technical skills for geology and geography, and technical skills for geography adapted from the AAG EDGE Geography and Career Planning Survey.

The relative sizes of the circles can be compared between circles within the same category and discipline, as well as between non-technical skills for both geology and geography. However, we can not meaningfully compare the circle sizes between geology and geography technical skills, nor between technical and non-technical skills within both disciplines. Skills selected for this graphic display statistically significant disparity between student preparation and rated importance, as indicated by the Geoscience Career Master's Preparation Survey data analysis. The preparation of students was determined by aggregating data of student and faculty responses.