5. Probability and Statistical Inference – Differences (variables with more than 2 categories)

Dataset Descriptors:

Survey: <http://spss4.allenandunwin.com.s3-website-ap-southeast-2.amazonaws.com/Files/survye_codebook.pdf>

Youthcohort: <http://cw.routledge.com/textbooks/9780415372985/pdfs/youthcohort.pdf>

Bullying: <http://cw.routledge.com/textbooks/9780415372985/pdfs/bullying.pdf>

Using the Survey dataset from Julie Pallant, investigate the following questions:

1. Are there differences in total percevied stress scores (tpstress) for participants with different education levels (educ)?
2. Are there differences in total self-esteem scores  (tslfset) for participants for young, middle aged and old participants (agegp3)?

Using the Youthcohort dataset from Paul Connolly investigate the following questions:

1. Are there differences in GCSE English grades  (gradeng) achieved by students of different ethnicities (ethsfr)?
2. Are there differences in GCSE Maths grades (gradmath) achieved by students with parents of different educational attainment (s1pared)?

Using the Youthcohort dataset from Paul Connolly investigate the following questions:

1. Is there a difference between whether a student sat GCSE maths (satmath) for students of different gender (s1gender)?
2. Is there a difference between whether a student sat GCSE maths (satmath) for students of different educational attainment (s1pared)?