**Qn.1-**For each author, what proportion of their papers are in each category

**Qn.2.** What is are the mean and variance of the length of titles (or abstracts) in

each category?

**Qn-3.** Find the Publication\_id, title, URL, abstract, categories and Author’s full

name who have published paper in category 'Physics' and 'math'

**Qn.4.** Give the list of publication\_id, title, abstract and categories which are

published in June belong to Subcategory 'astrophysics'.