1145-05-2328   **Kassie Archer*** (`karcher@uttyler.edu`), 3900 University Blvd., Tyler, TX 75799, and **Megan Martinez**. *Statistics on rooted trees.* Preliminary report.

We say a labelled tree is a rooted tree if there is a special vertex designated to be the root. Various statistics on rooted trees have been studied, including inversions, descents, leaders, and more. It is known that certain statistics are equally distributed among the set of rooted trees. In this talk, we discuss certain statistics and use bijective techniques to show that they are equally distributed on the set of rooted trees. (Received September 25, 2018)