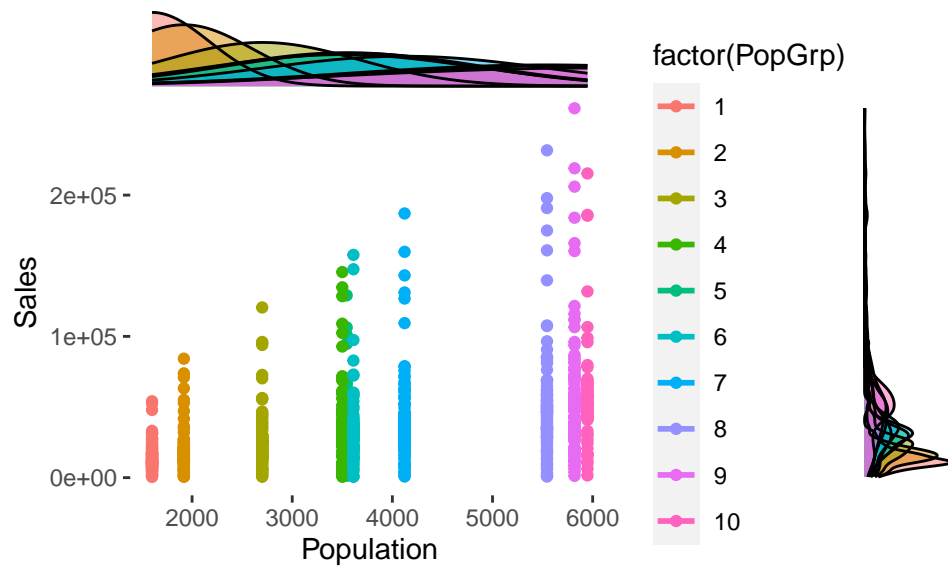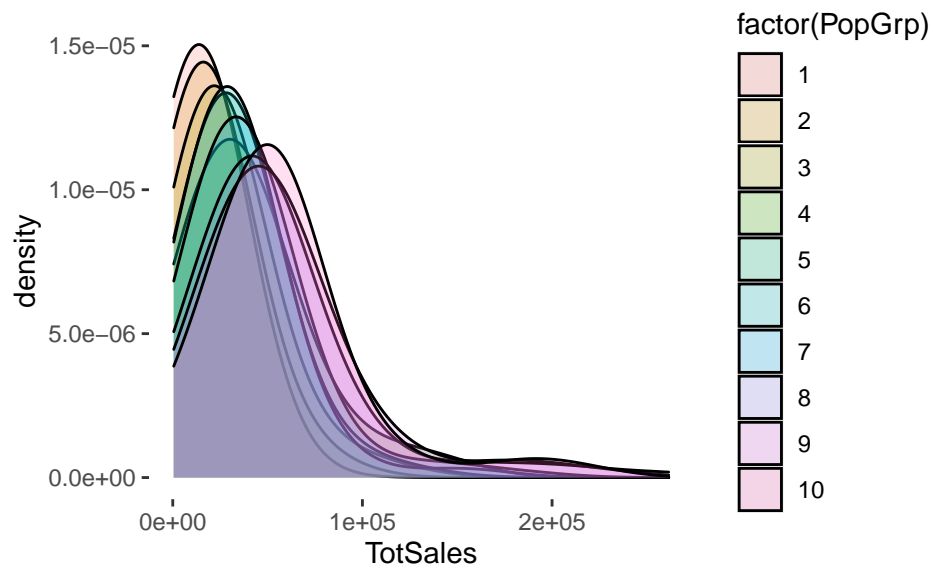# Foundations for Bayesian Analysis Homework

Data and EDA

Load the data from last week *(Sales Transactions)*, and filter for Q4. Summarize by Description, Population, MerGroup, MfgPromo and Wk. Create a visualization of TotSales ~ Population Group *(converted to factor)*, as follows:

Now show sales distributions by Population Group:

(note: this is not a normal distribution - take a look at the sn package)

Deliverables:

1. Posterior distributions for TotSales: Unconditional, and Population Groups 5 and 10.

2. Determine probablity of a weekly sales exceeding 10,000 in groups 2 and 6