

# Mediation analysis

**TASK 1:** Load the file `lusc.Rdata` and perform a mediation analysis of all genes (one by one) to determine which one is mediating the association between LOY and lung cancer.

**TASK 2:** Estimate the best DAG and verify whether driver hypothesis holds (i.e.  $\text{LOY} \rightarrow \text{gene expression} \rightarrow \text{cancer}$ )