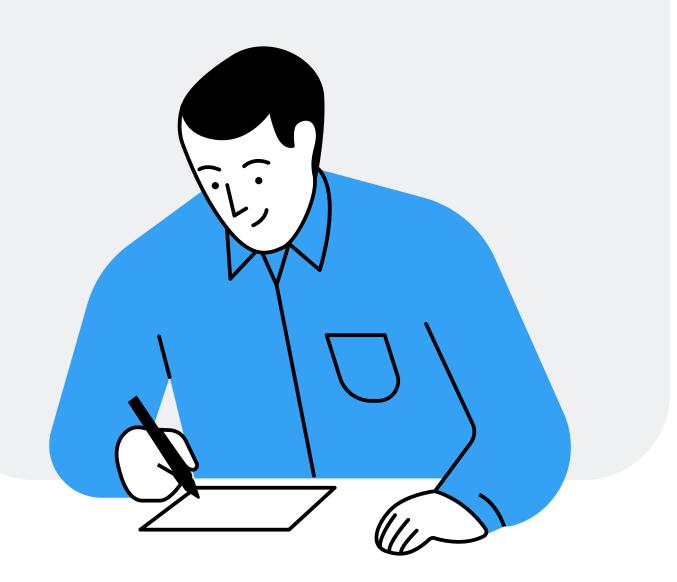
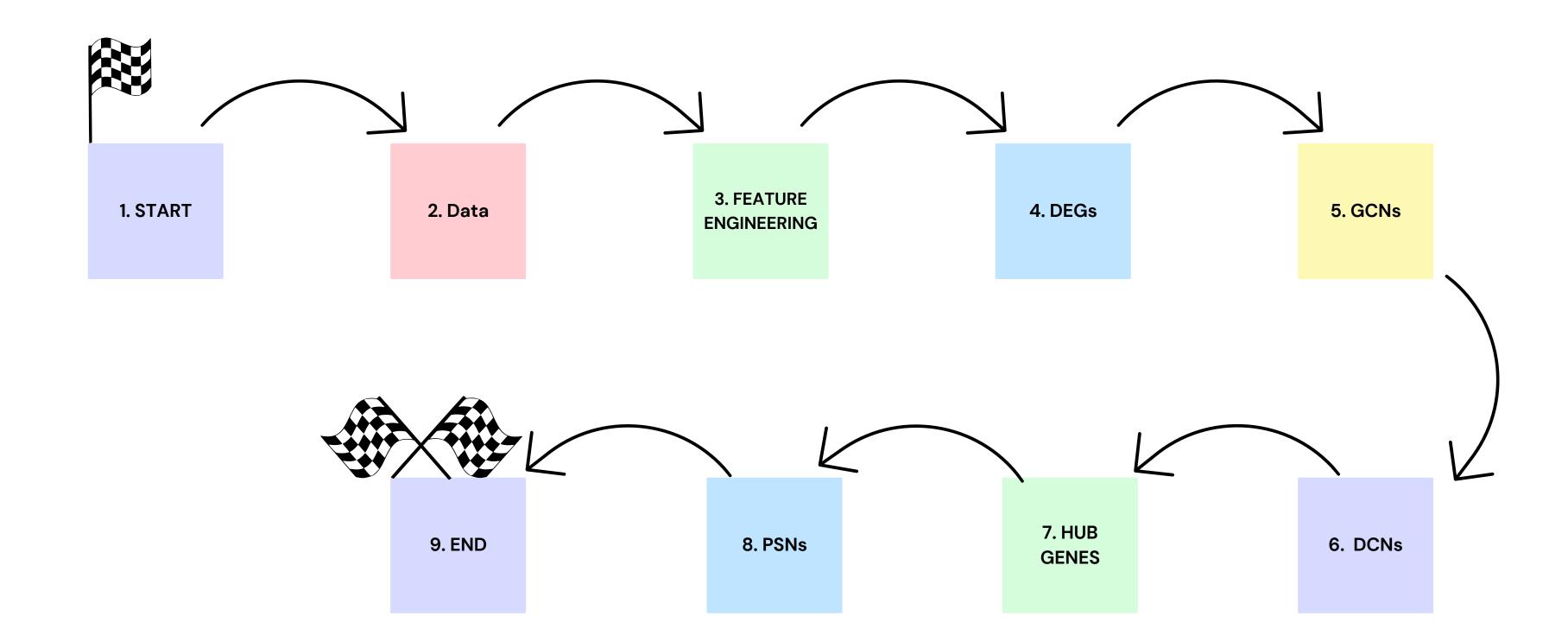
ANALYSIS OF PRAD HUB GENES

Leonardo Lavagna Group 14



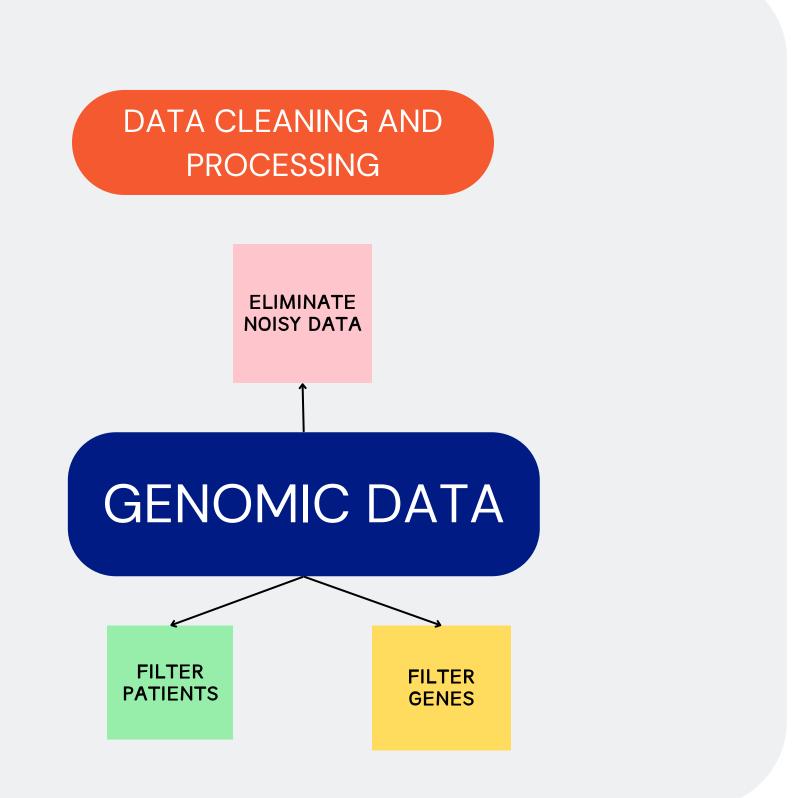


Overview

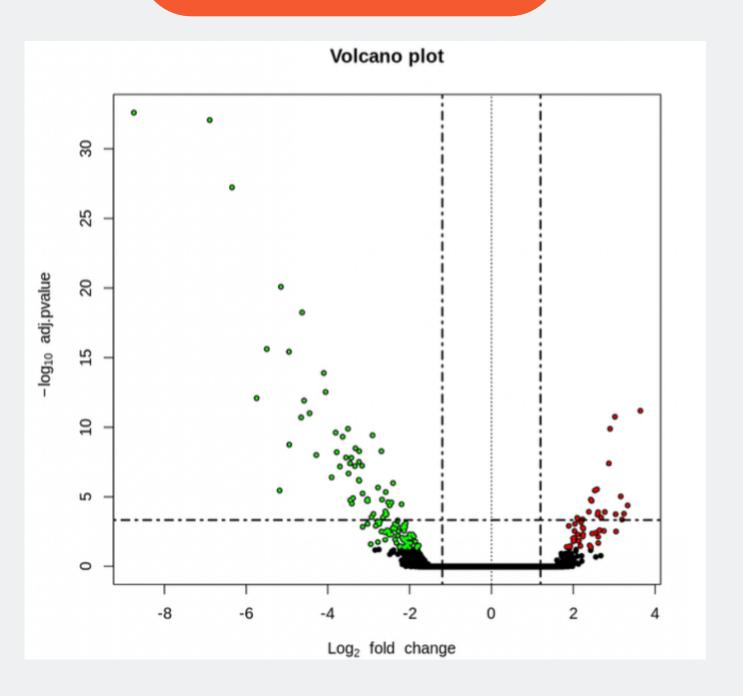
Prostate Adenocarcinoma (PRAD) is a common cancer affecting men in their late adulthood and it is often treatable. As a result of early diagnosis, the mortality rate of PRAD fall, although the incidence of PRAD continues to rise. It is very important to help develop new therapies and early screening tests.

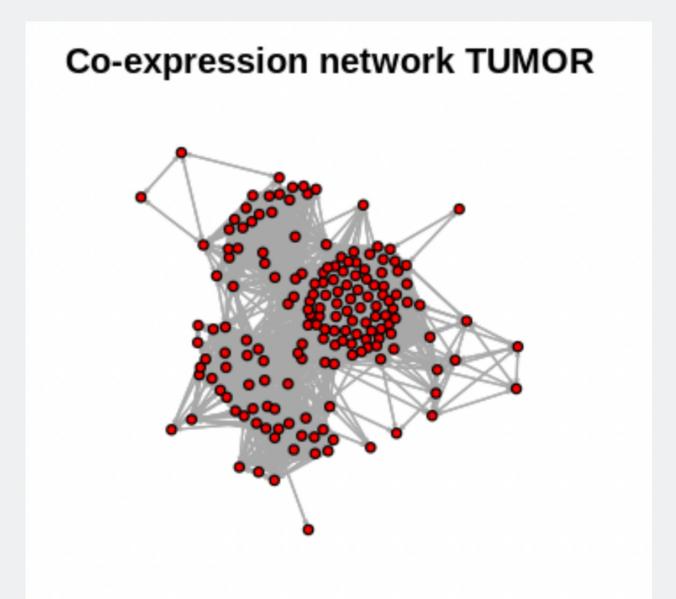
Genomic Data

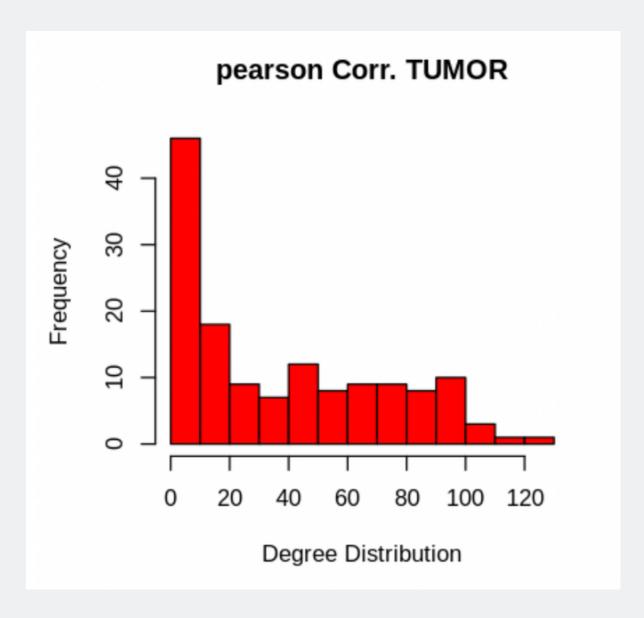
From the Cancer Genome Atlas we retrieved a collection of genomic data of about 575 genes and 500 patients. For our analysis we handled two datasets extracted from TCGA: the tumor tissue and the normal tissue.

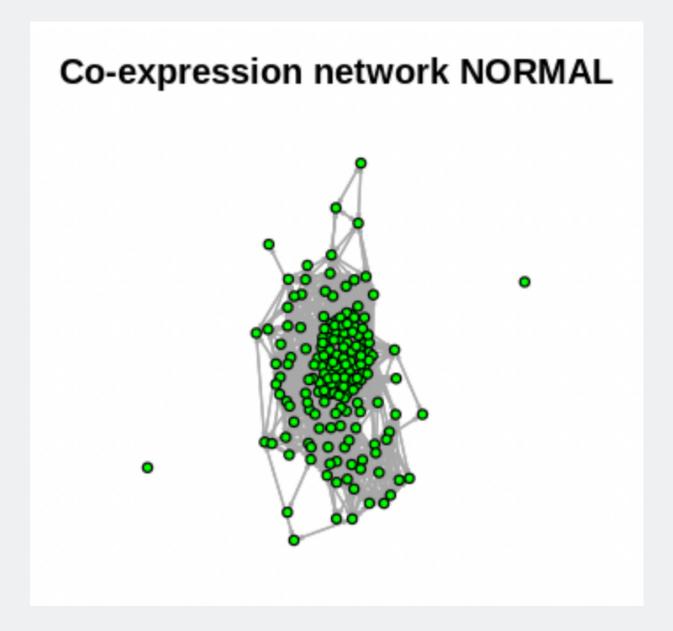


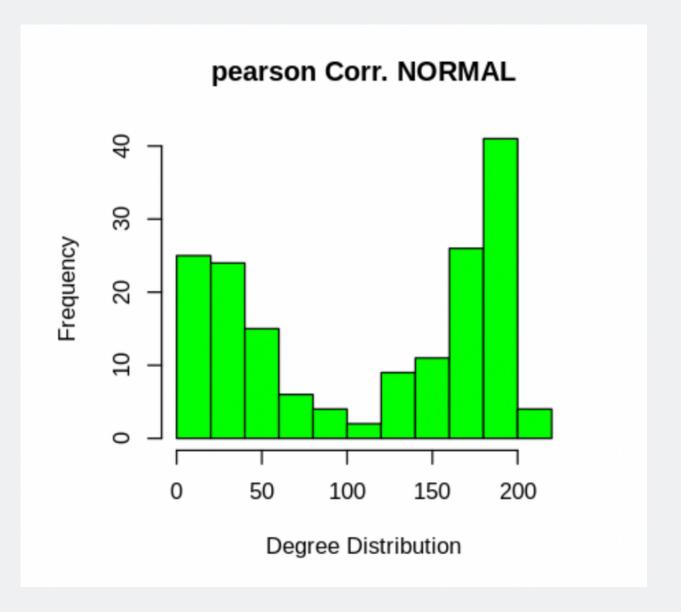
DEGs WITH DIFFERENT KINDS OF THRESHOLDS

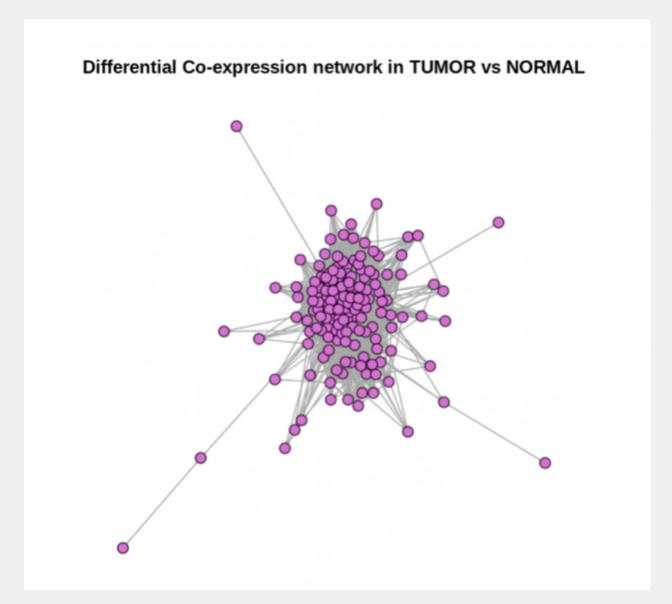


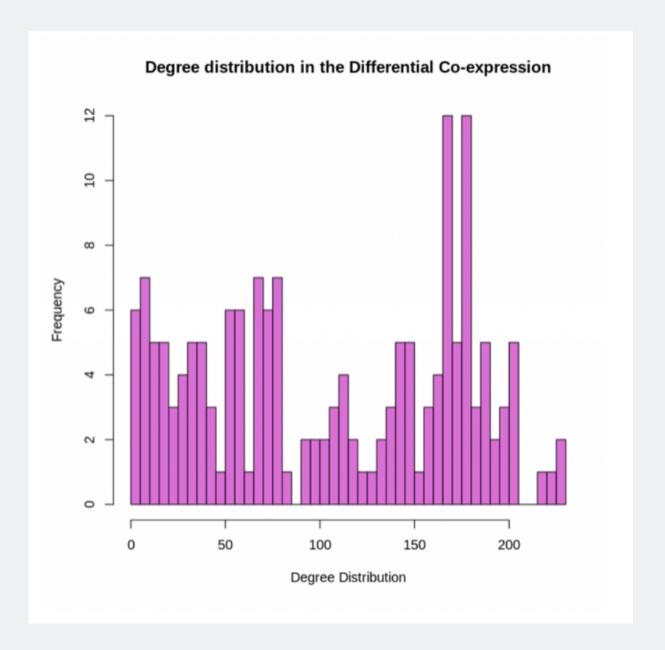








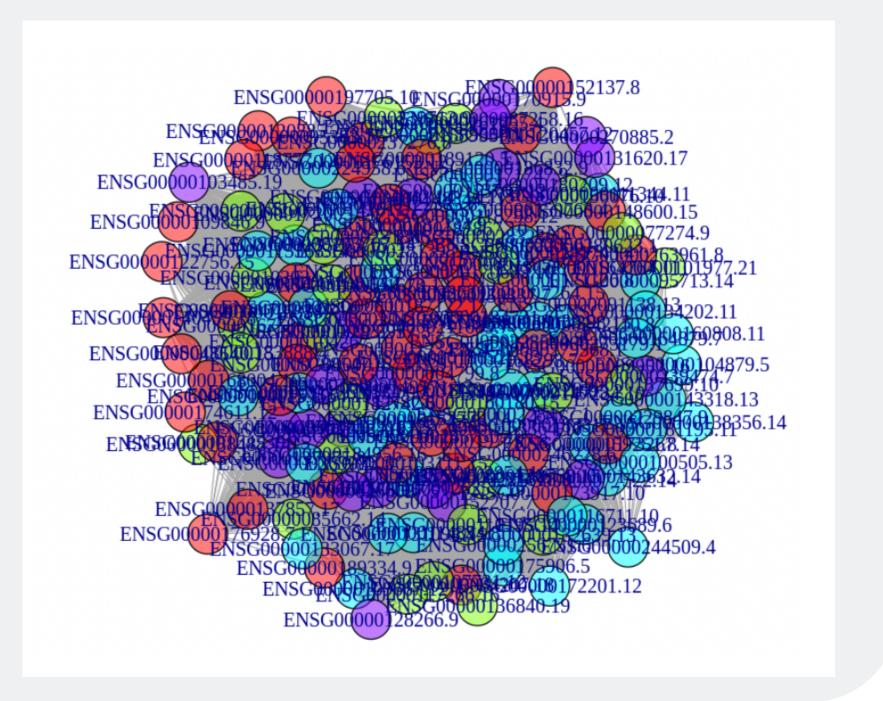








PSNs



9. END

CONCLUSION

We identified two hubs of genes that have also been found in the specialized literature. Those are ENSG00000120885.22 and ENSG0000152137.8. We used also different similarity measures and correlations. In every case those hub genes were present.