



The proposed approach presents a reliable method to study disease comorbidities that can be suggested for high-throughput and clinical data analysis. Causal inference of diseases can be learned by the analysis of disease comorbidities and disease gene associations. Compared to the existing systems, our approach has gained an overall accuracy of 81.6%. The proposed approach is capable of finding novel disease comorbidities as well as disease-gene correlation. This approach will guide the researchers in improved understanding of the complex pathogenesis of disease risk phenotypes and the heterogeneity of diseases.

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