

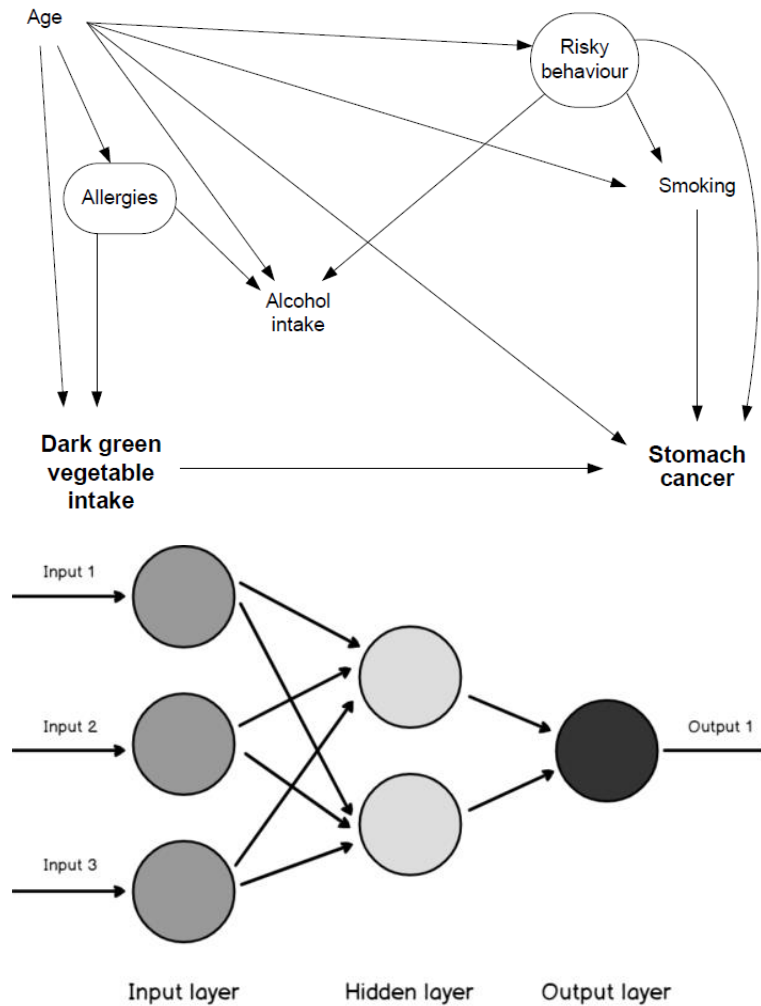
A decorative graphic consisting of thin, grey, stylized circuit lines with small circles at the ends, extending horizontally from the left and right sides of the central black box.

A NEURAL NETWORK APPROACH TO PSYCHIATRIC COMORBIDITY

GEORGIA SMITH

ADVISOR: DR. JAMES VANCE

<https://wangcc.me/DAG-CSS/img/dagitty-modelpaper.png>



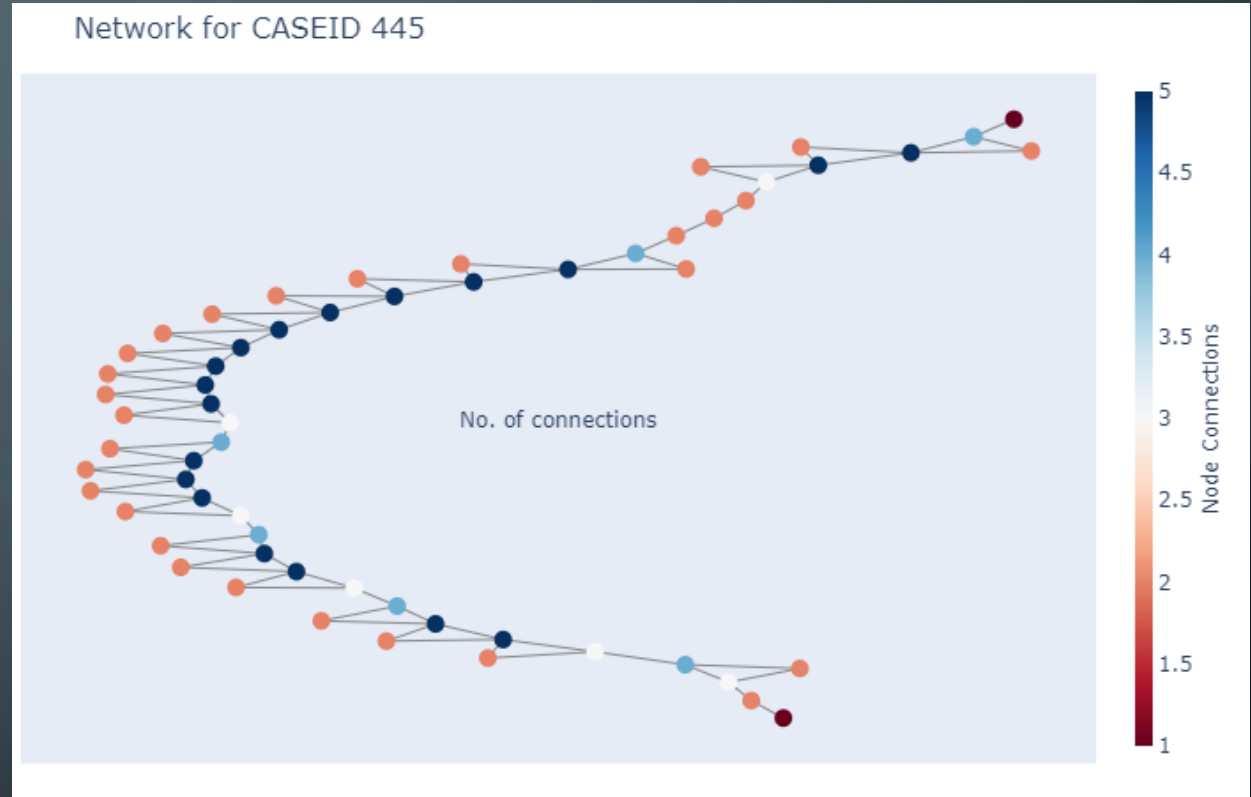
METHODS

- National Comorbidity Survey
- Neural Networks
 - Long Short-Term Memory
- Diffusion Network Inference

<https://s33046.pcdn.co/wp-content/uploads/2020/04/three-layered-architecute-in-artificial-neural-net-624x378.png>

RESULTS

- Neural Network
 - 90% Accuracy
- Plans
- Network to Identify Symptom Interaction



HOW DID ENGAGING IN THIS RESEARCH ENHANCE YOUR EDUCATION AND EXPERIENCE?

- Prepared For Future
- Real World Application
- Use Degree for Something I'm Passionate About



University of Colorado
Anschutz Medical Campus

<https://centraloregonradiology.com/wp-content/uploads/2017/09/University-Colorado-Logo.jpg>