Network Analysis

Uma abordagem integradora para pesquisa e tratamento em psicopatologia

Sacha Epskamp

University of Amsterdam Department of Psychological Methods

> 18-10-2013 Vitória da Conquista



O que é um distúrbio psicológico?



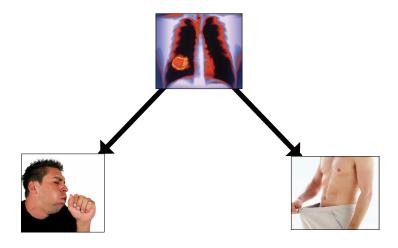




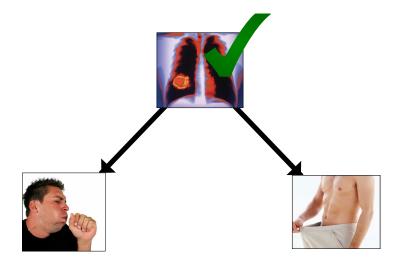




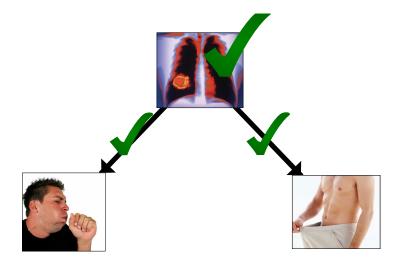




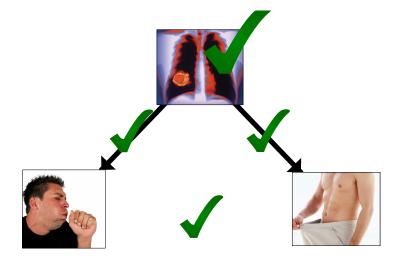




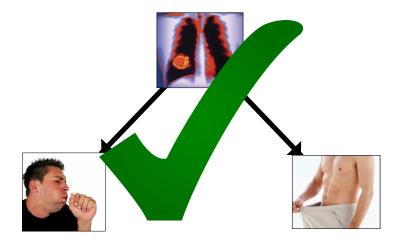














Depressão









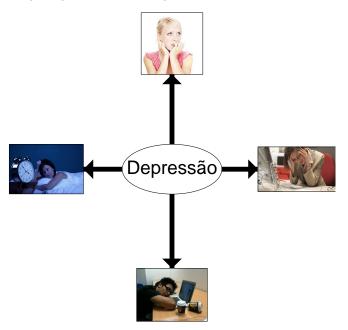




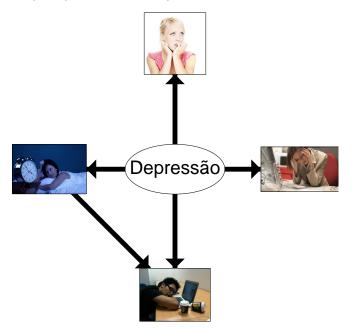




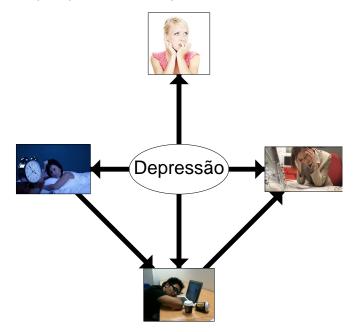




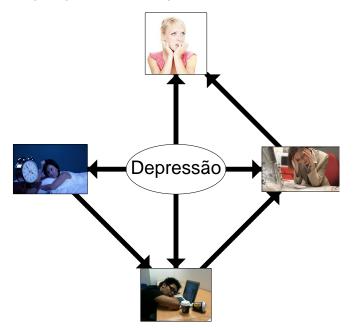




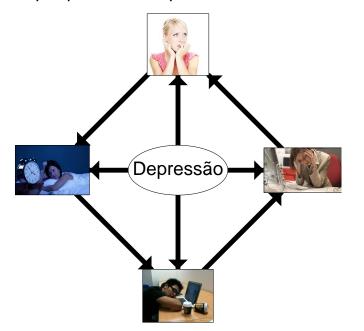




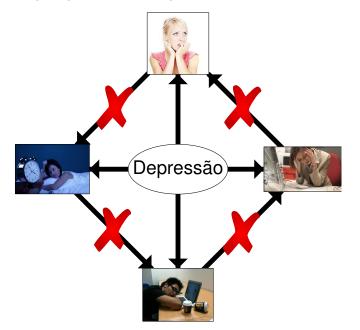




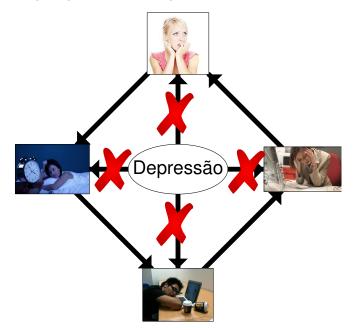




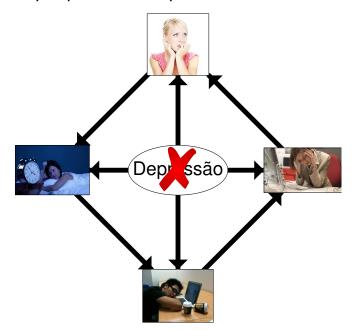




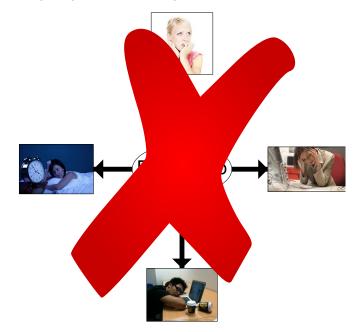




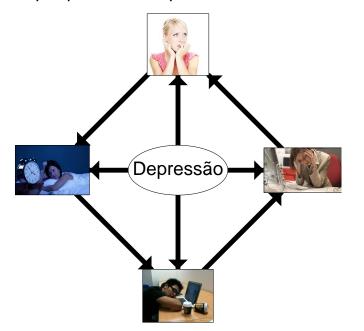




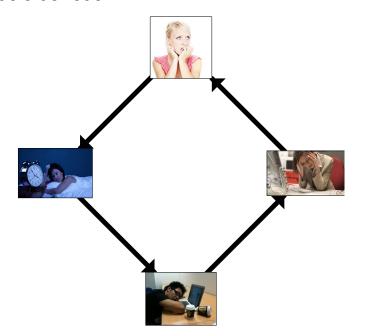




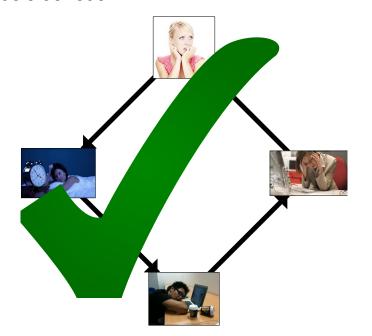




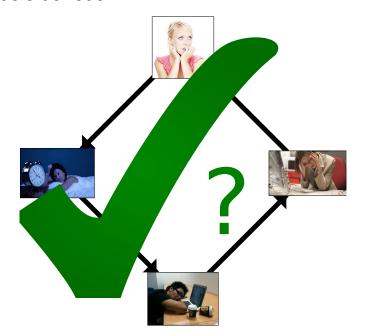










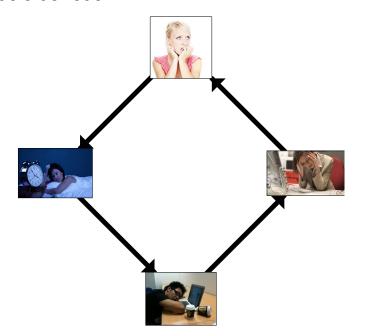




Implicações:

► O distúrbio é o sistema



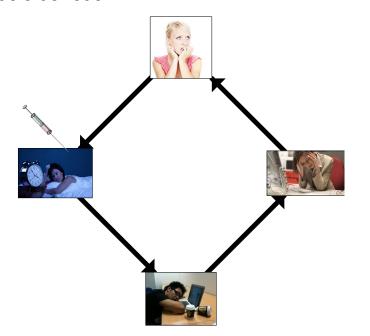




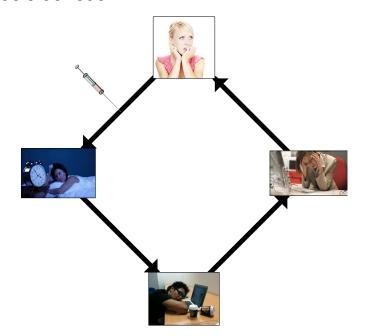
Implicações:

- ▶ O distúrbio é o sistema
- ► Tratamento a nível sintoma







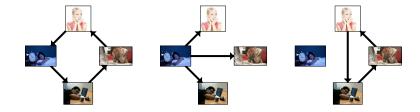




Implicações:

- ▶ O distúrbio é o sistema
- ► Tratamento a nível sintoma
- ► Tratamento individual

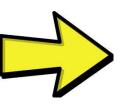










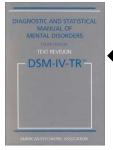












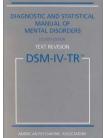














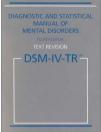


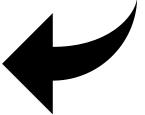










































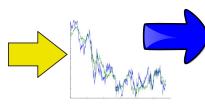


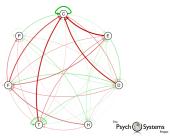


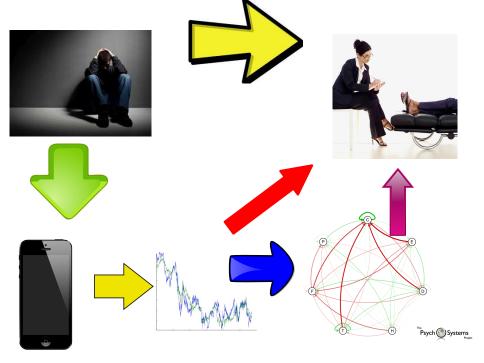


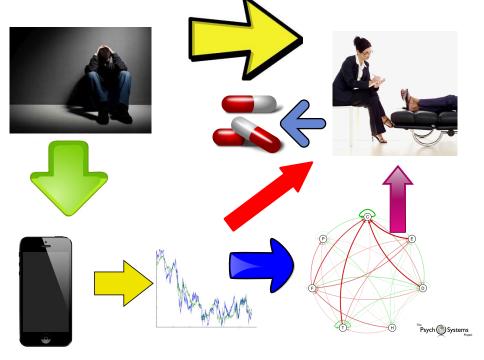


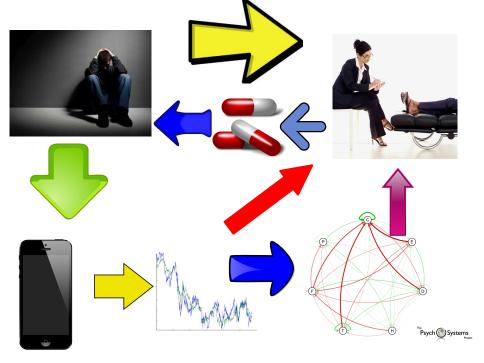












Psych Systems Project

http://www.psychosystems.org/



comorbidade



Ansiedade



Depressão



MANUAL OF MENTAL DISORDERS

FOURTHEDITION

TEXT REVISION

DSM-IV-TR

AMERICAN PSYCHIATRIC ASSOCIATION



comorbidade

Ansiedade:

- ansiedade crônica
- A ansiedade sobre mais de um evento
- ▶ irritabilidade
- ▶ perda de controle
- ▶ tensão muscular
- distúrbios do sono
- problemas de concentração
- ▶ inquietação
- ▶ fadiga

Depressão:

- ► Humor Depressivo
- ► Perda de interesse
- ► problemas de peso
- ▶ auto desprezo
- ► (Pensamentos) suicÃdio
- distúrbios do sono
- problemas de concentração
- inquietação
- fadiga



comorbidade

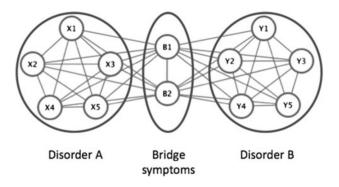
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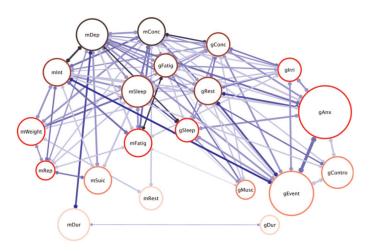
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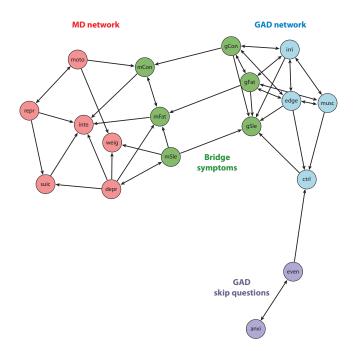




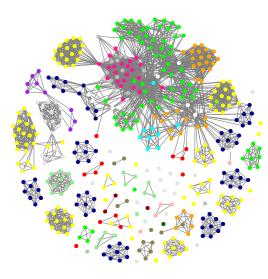




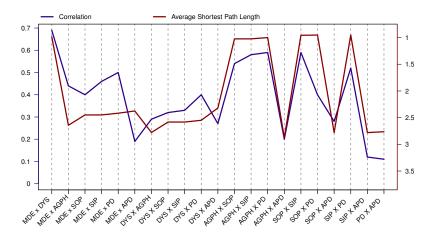




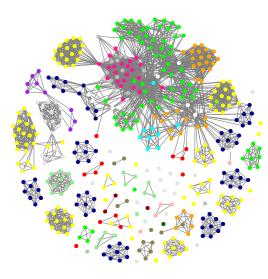




- O Disorders usually first diagnosed in infancy, childhood or adolescence · Delirium, dementia, and amnesia and other cognitive disorders
- Mental disorders due to a general medical condition
 Substance-related disorders
- Schizophrenia and other psychotic disorders
- Mood disorders
- Anxiety disorders
- Somatoform disorders
- Factitious disorders Dissociative disorders
- Sexual and gender identity disorders
- Eating disorders Sleep disorders
- Impulse control disorders not elsewhere classified
- Adjustment disorders Personality disorders
- Symptom is featured equally in multiple chapters

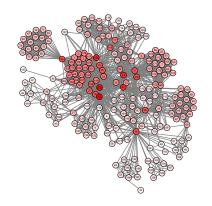






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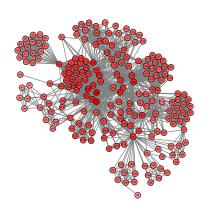
Degree







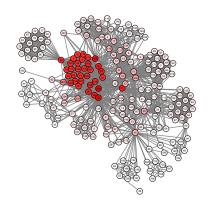
Closeness



Atividade motora e... tremores Comportamento deso... ecolalia Dilatação pupilar o coma Taquicardia / ritm... Muitas vezes é sus...
Dificuldade de con...
ansiedade afasia
ataxia euforia nausua ataxia euforia de conidado. Insônia / dificuld...
Insônia / dificuld...
Aumento do apetite
Retardo psicomotor
, Táteis ou auditi...
Ganho de peso
mo Suor / transpiração mo suo delírios el a facilmente distraí diurese mutismo Suor / transpiraça calafrios vômito delírios diarreia Facilmente distraí... letargia Discurso desorgani... Extremo negativismo echopraxia



Eigenvector Centrality







Ising network for depression

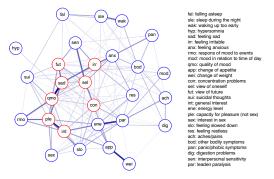


Figure 1: Network constructed with ℓ_1 -regularized logistic regression of each variable on the other variables. Neighborhood selection is optimized with FBIC

Obrigado pela vossa atenção