**Economía de redes**

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La teoría de redes ha cobrado fuerza en las últimas dos décadas para explicar fenómenos económicos en dónde la idea subyacente es reconocer que los agentes forman relaciones estratégicas para beneficio propio o para un grupo. Las formas en las que una red puede estar organizada afectan el bienestar de los agentes involucrados en lo individual y en colectivo, para aprovechar la información que una red provee es necesario contar con las herramientas teóricas que permitan entender porqué surgen las conexiones entre agentes y cómo evolucionan.

1. Introducción
   1. Introducción a Python
2. Definiciones y métricas
   1. Introducción a networkx
   2. Análisis de redes con networkx
3. Redes aleatorias
   1. El modelo Barabasi-Albert
   2. Modelos aleatorios en Python
4. Formación estratégica
5. Difusión en redes
   1. Medidas de centralidad en Python
6. Aplicaciones
   1. Redes económicas
   2. Redes tecnológicas
   3. Redes sociales
   4. Otras redes

**Evaluación**

Dos exámenes teóricos, 25% de la calificación final cada uno. Un trabajo final, 50% de la calificación final.

Las instrucciones para el trabajo final se darán por escrito después del primer examen parcial.

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