



Small-world networks

QUESTION

What is the meaning of *six degrees of separation*?

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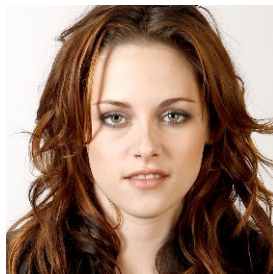
Why do we say that some networks are a *small-world*?

GAME

Let's check if we are living in a small-world. Using the Oracle of Kevin Bacon¹ get the distance (measured in number of movies) that separate the following locations

- What is the distance between the UK and Los Angeles?
- What is the distance between the UK and *Hogwarts*?
- What is the distance between the UK and *Mordor*?

TIPS



Name	Rowan Atkinson	Kristen Stewart	Rupert Grint	Elijah Wood
Born	Consett (UK)	Los Angeles (CA, USA)	Stevenage (UK)	Cedar Rapids (IA, USA)
Work	Mr Bean	Twilight	Harry Potter	The Lord of the Rings

QUESTION

What are the usual characteristics of small-world networks? To understand the structural characteristics of small-world networks you can try to draw the network of your own friends, the friends of your friends and so on.

¹ <http://www.oracleofbacon.org>