

In association with:



What are economic models?

What is a model?

$$P(Q), \quad Q = \sum_{i=1}^{n} q_i.$$

$$P_{i\geq 0} \quad P_{i=1} \quad P_$$

 $P q_i - c_i(q_i, a_i) - t s_i(q_i, a_i).$



 $\mathop{\mathrm{ax}}_{\geq 0} B_i(e_i) - t e_i.$

 $\frac{c_i(q_i,a_i)}{\partial q_i} + t \frac{\partial s_i(q_i,a_i)}{\partial q_i},$ $\frac{\partial c_i(q_i, a_i)}{\partial a_i} + t \frac{\partial s_i(q_i, a_i)}{\partial a_i}.$

 $-D\left(\sum_{i=1}^n s_i(q_i,a_i)\right).$

"A model [...] is a story with a specified structure" (Varian, 1978)



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"Credible worlds" (Sugden, 2000)



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A model should be

- Fit for purpose
- Internally consistent
- Credible and robust

