

some unexpected and uncomfortable place such as the street or on the stairs.

14. To be a businessman is not an easy thing.

DISCOVERING THE MODEL OF OBJECT RECOGNITION

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1. Discovering model at MIT

For the first time, scientists have applied a computer model of how the brain processes visual information to a complex, real world task: recognizing the objects in a busy street scene. The researchers were pleasantly surprised at the power of this new approach.

2. Recognizing scenes

Compared to traditional computer-vision systems, the biological model was surprisingly versatile. Traditional systems are engineered for specific object classes. In the biological model, the same algorithm can learn to detect widely different types of objects.

3. Modeling object recognition

Teaching a computer how to recognize objects has been exceedingly difficult because a computer model has to create a representation for a particular object that is very specific. At the same time the representation must be sufficiently "invariant".

4. Making it more useful

Giving the model the ability to recognize such semantic features will empower it for broader applications, including managing seemingly insurmountable amounts of data, work tasks or even e-mail.