**AMECON: ABSTRACT META-CONCEPT FEATURES FOR TEXT-ILLUSTRATION**

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**Goal: Text illustration**

Textual query: **a man cycling on a mountain**

Retrieve most appropriate images:

**Context**

**Contributions**

- Mixing supervised and unsupervised learning for Text-Image Matching (TIM) problems

  1) Learn a codebook from word2vec features of texts (越多 each cluster: Abstract Meta-Concept (Text2Amecon)
  2) Learn a MLP from CNN features of images to Abstract Meta-Concepts (Image2Amecon)
  3) Solving TIM problems: (i) Text2Amecon (ii) Image2Amecon (iii) matching in AMECON Space

**Learning Textual Amecons**

**Learning Visual Amecons**

**Text2Amecon**

**Image2Amecon**

**Experiments**

**Matching in AMECON Space**

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21] Explicit Image with Multimodal Recurrent Neural Networks, ArXiv 2014
