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Learning Visual and Textual Representations for Multimodal Matching and Classification

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#### ACCEPTED MANUSCRIPT

## Highlights

- A unified network for image-text matching and classification;
- Seamlessly incorporating the matching and classification components;
- A multi-stage training algorithm by combining the matching and classification loss;
- Comprehensive study on the effectiveness of the proposed approach;
- $\bullet$  Comparisons on four well-known multimodal benchmarks;

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