



Asking friendly strangers: non-semantic attribute transfer



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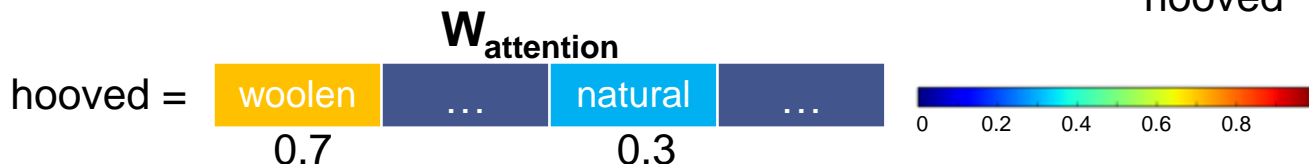
Motivation

- Traditional attribute transfer learning aims to transfer knowledge between semantically related attributes, i.e. from the **same domain**.
- However, what can we do if we have **data scarcity**, i.e. **no semantically related categories**?

Key idea



Approach



Take away message: Unrelated domains have valuable knowledge for learning attributes.



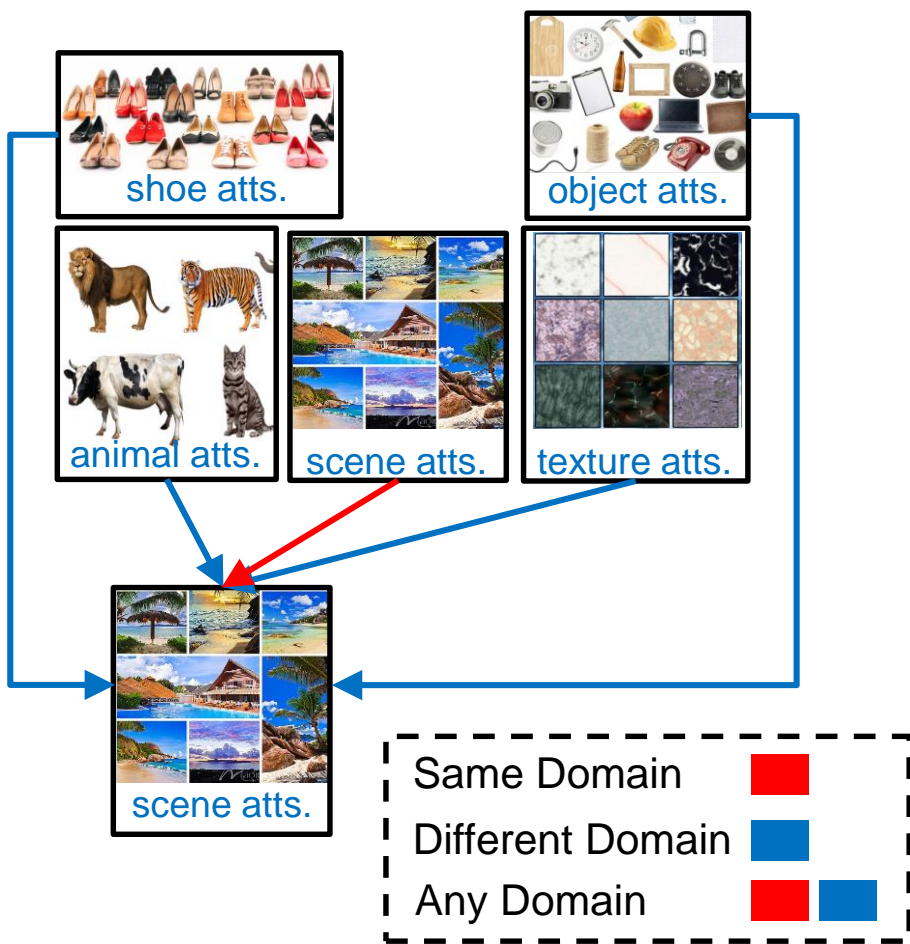
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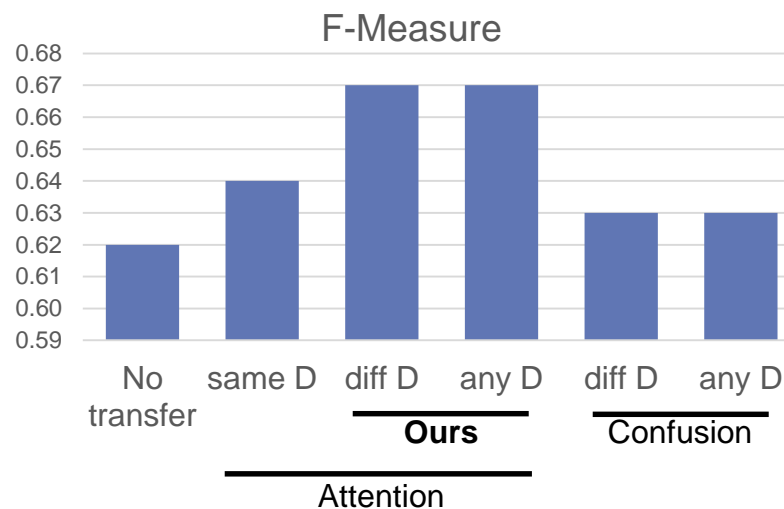
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Experimental setup



Comparison to strong baselines



- Our method's success is due to *adaptive* parameter transfer (learned **attention weights**) and a **shared** feature representation.

Contributions

- We show **how** to benefit from **attributes from a domain unrelated to the target**, for attribute transfer learning.