

# Supplementary for SEED: A Benchmark Dataset for Sequential Facial Attribute Editing with Diffusion Models

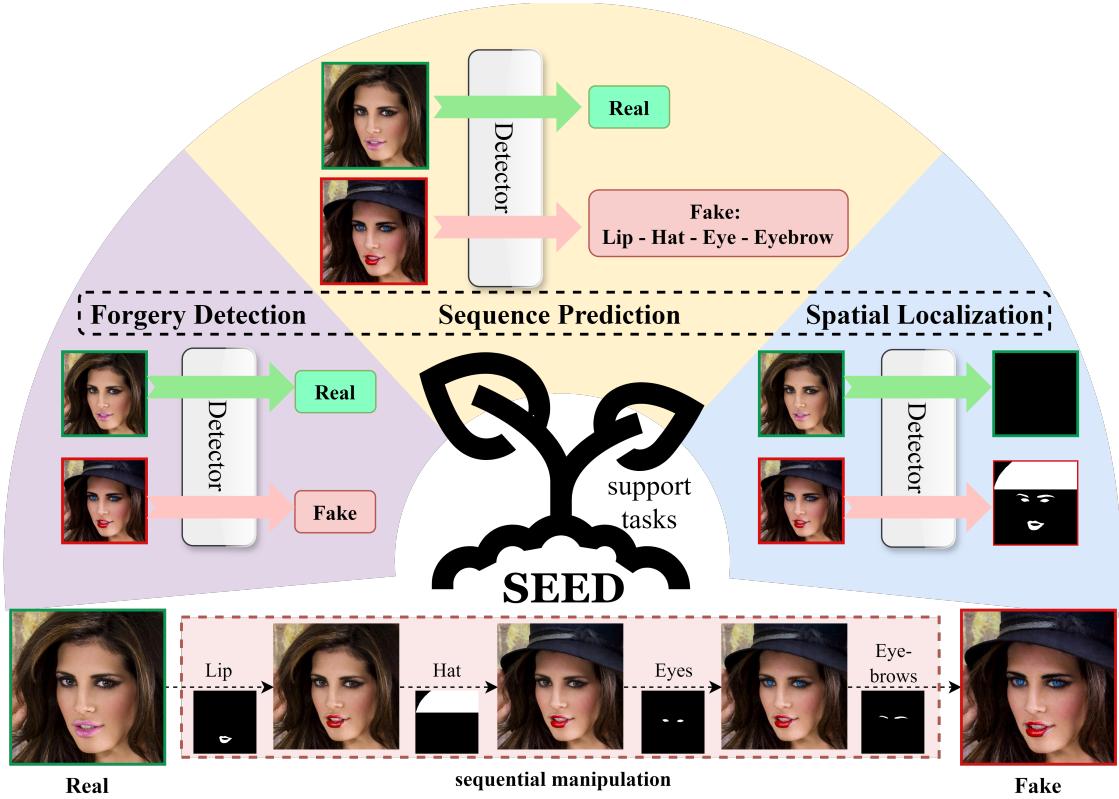
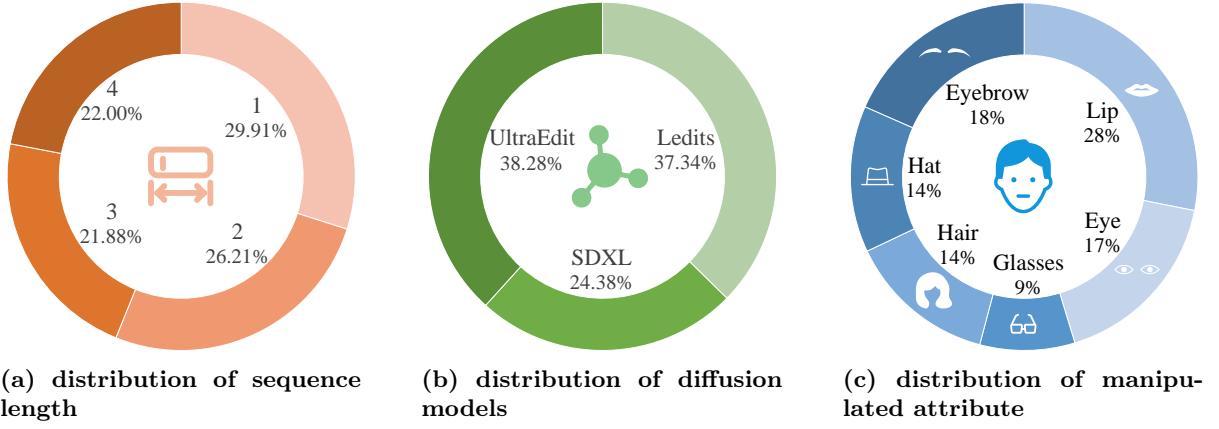


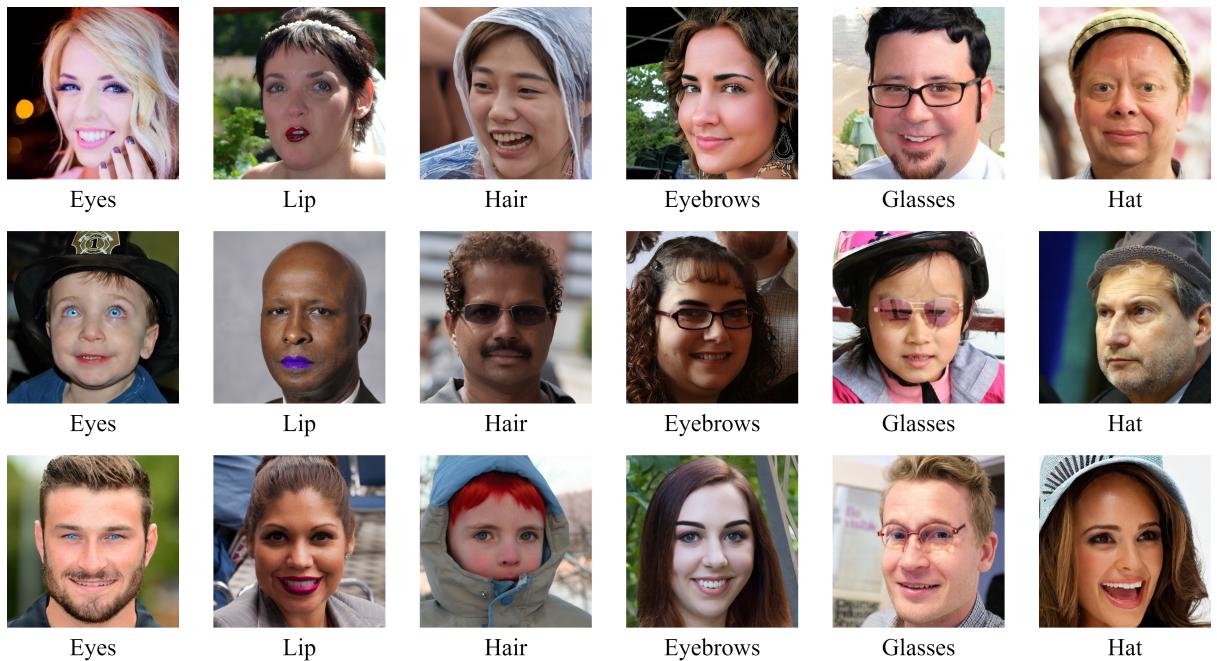
Figure 1: The tasks supported by our proposed SEED dataset. By recording detailed information such as masks and prompts during image manipulation, our SEED dataset can support a variety of downstream tasks such as forgery detection, sequence prediction, and spatial localization.

Table 1: Some prompt examples used by our proposed pipeline in the data generation process. By modifying from different dimensions, such as *color*, *style*, etc., our data samples are made more diverse.

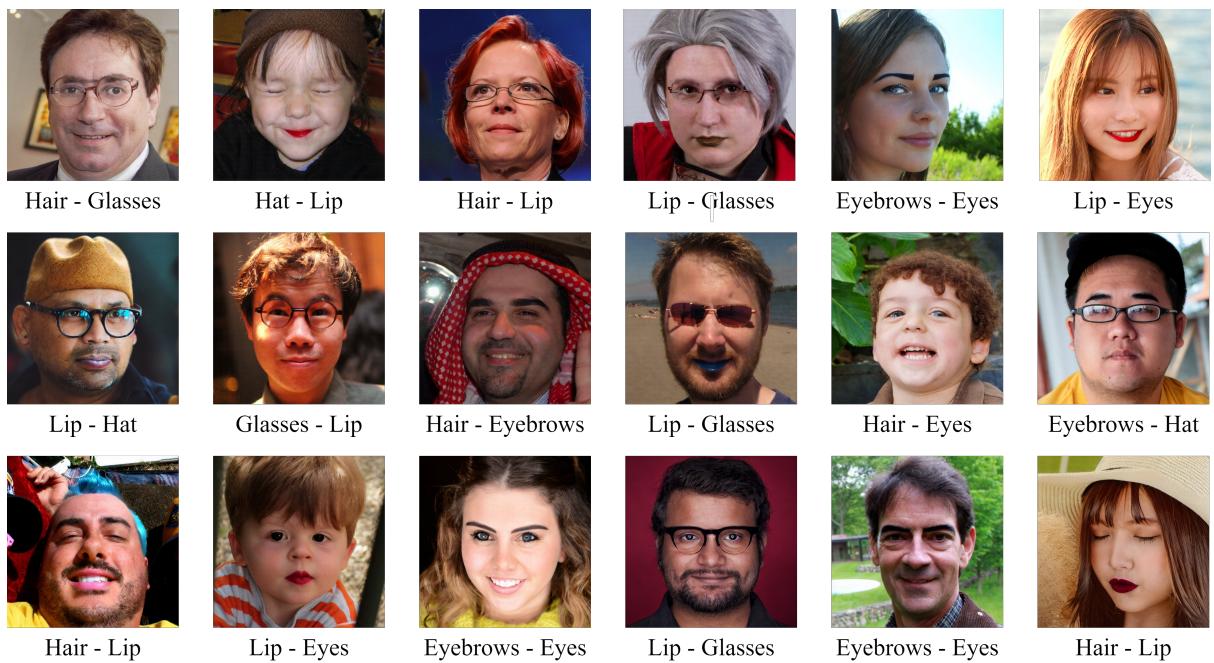
Attribute	Prompt			{Placeholder}
	Instruction	Caption		
Eyes	Make his eyes {color}.	A man with {color} eyes.		red, blue, black, white ...
Lip	Change her lipstick color to {color}.	A woman with {color} lipstick.		red, blue, black, white ...
Hair	Turn his hair {color}.	A boy with {color} hair.		red, blue, black, white ...
	Make her hair {style}.	A woman with {style} hair.		curly, straight
Eyebrows	Make her eyebrows {style}.	A girl with {style} eyebrows.		thick
Glasses	Add a pair of {glasses}.	A man wearing a pair of {glasses}.		glasses, sunglasses
Hat	Add a {hat}.	A woman wearing a {hat}.		hat



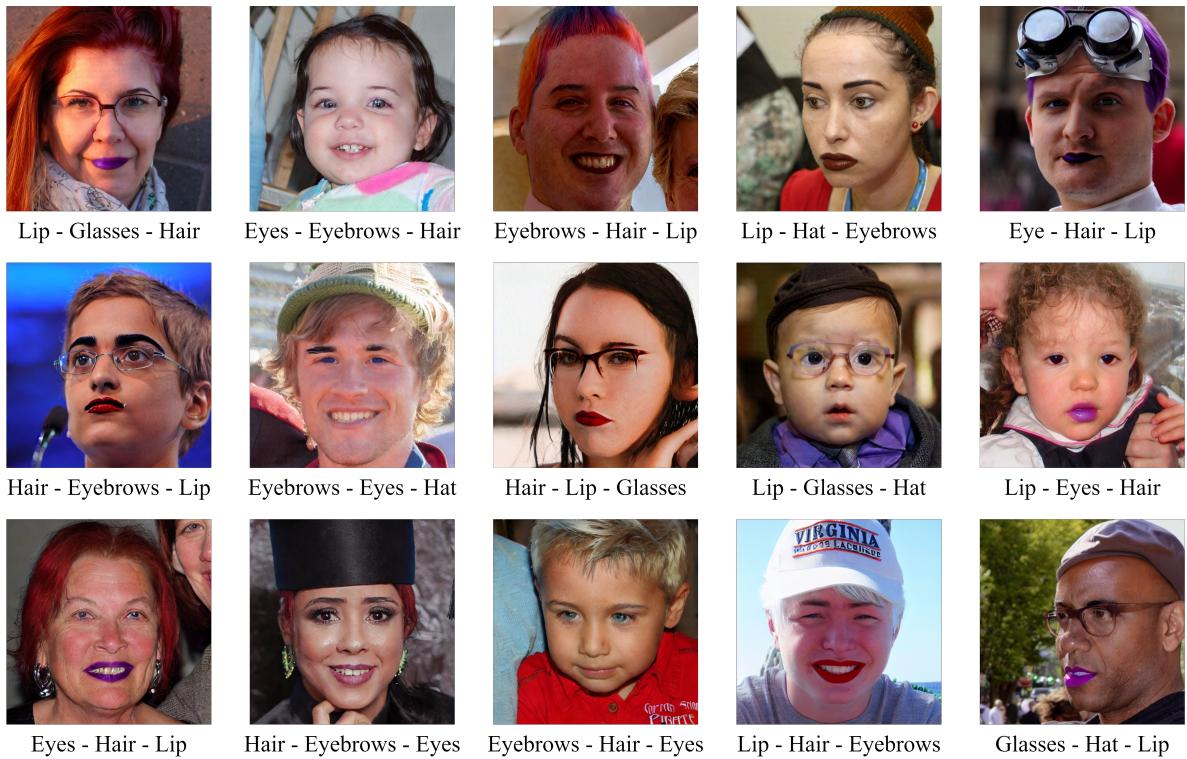
**Figure 2: Dataset statistics.**



**Figure 3: Samples with manipulation sequence length 1.**



**Figure 4: Samples with manipulation sequence length 2.**



**Figure 5: Samples with manipulation sequence length 3.**



Eyebrows - Hat - Eyes - Lip



Eyebrows - Eyes - Lip - Hair



Hair - Eyebrows - Lip - Eyes



Hat - Eyebrows - Lip - Eyes



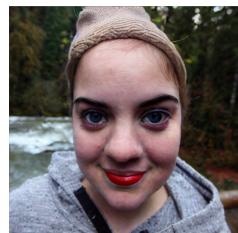
Eyebrows - Eyes - Lip - Hair



Lip - Eyebrows - Hair - Eyes



Eyes - Hair - Eyebrows - Lip



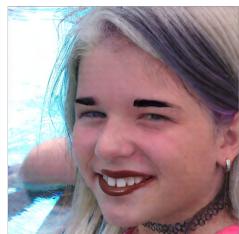
Hat - Eyebrows - Eyes - Lip



Hair - Eyebrows - Lip - Eyes



Hair - Eyebrows - Eyes - Lip



Eyes - Hair - Eyebrows - Lip



Eyes - Eyebrows - Hair - Lip

**Figure 6: Samples with manipulation sequence length 4.**