CZ Faces (CZF) Dataset

The Dataset file information is provided below. The labels are stored in JSON format and have been obtained by means of Amazon Mechanical Turk, see HIT in Figure 13, 14. The images are labeled according to the following attributes.

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File Information
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- Images (img/CZF.zip)
      14,248 cropped face images. Balanced in terms of ethnicity:
      african american, east-asian, south-asian and white.
      Mirror images included to enhance pose variation.
- Labels (label/CZF.zip)
      JSON files with attribute information: Gender, Age, Ethnicity, Hair Color,
      Hair Style, Eyes Color, Facial Hair, Glasses, Visible Forehead,
      Hair Covered and Smile.

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Attribute Information
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- Gender
value = { "male", "female" }

- Age
value = { "baby", "kid", "teenager", "early_adulthood", "middle_aged", "adult",
 "senior", "retirement", "elderly" }

-- Additional Comments
value="baby" Baby (0-2)
value="kid" Kid (3-7)
value="teenager" Teenager (8-17)
value="early_adulthood" Early Adulthood (18-27)
value="middle_aged" Middle Aged (28-37)
value="adult" Adult (38-47)
value="senior" Senior (48-57)
value="retirement" Retirement (58-67)
value="elderly" Elderly (+68)

- Ethnicity
value = { "east_asian", "white", "black", "south_asian", "other" }

-- Additional Comments
value="east_asian" East Asian (China, Japan, Korea, Taiwan, ...)
value="south_asian" South Asian (India, Afghanistan, Pakistan, ...)

- Hair Color
value = { "blonde", "brown", "black", "white", "red", "other" }

-- Additional Comments
value="other" Other / Not Visible
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- Hair Style
value = { "bald", "short_straight", "short_curly", "long_straight",
 "long_curly", "other" }

-- Additional Comments
value="bald" Bald / Shaven
value="other" Other / Not Visible

- Eyes Color
value = { "brown", "blue", "green", "other" }

-- Additional Comments
value="other" Other / Not Visible

- Facial Hair
value = { "no", "light_mustache", "thick_mustache", "light_goatee",
"thick_goatee", "light_beard", "thick_beard" }

- Glasses
value = { "no", "eyeglasses", "sunglasses" }

- Visible Forehead
value = { "no", "yes" }

- Hair Covered
value = { "no", "turban", "cap", "helmet" }

-- Additional Comments
value="turban" Turban / Veil / Kerchief
value="cap" Cap / Hat

- Smile
value = { "no", "yes" }
```

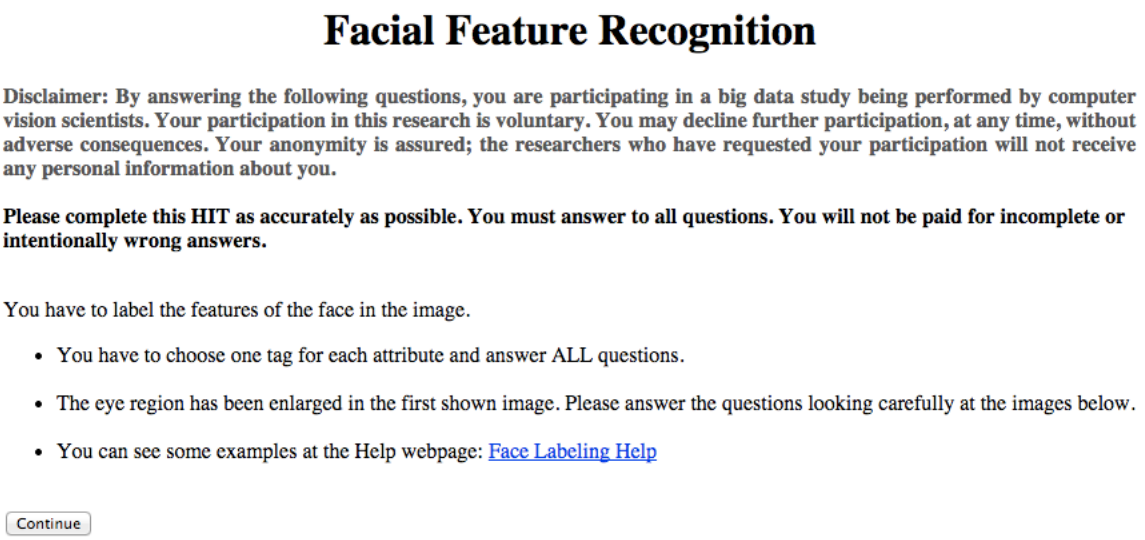

Figure 13. **Amazon Mechanical Turk HIT**. Preview example of welcoming page.

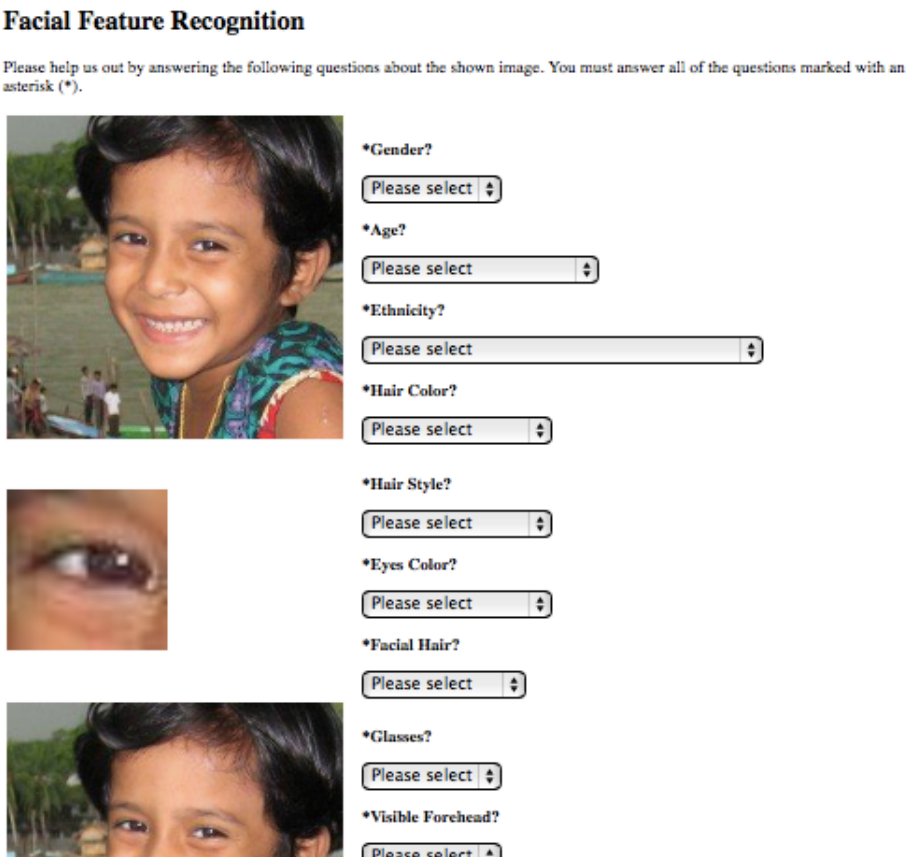

Figure 14. **Amazon Mechanical Turk HIT**. Preview example.

Attribute Examples

Labeling examples of ethnicity, hair style and facial hair attributes are provided in Figure 15, 16, 17.

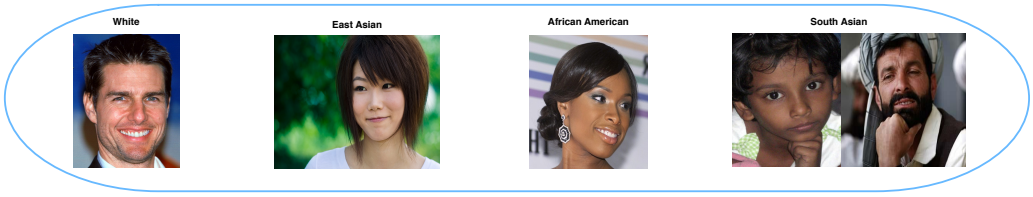

Figure 15. **Ethnicity Attribute**. Face labeling help examples for ethnicity attribute.

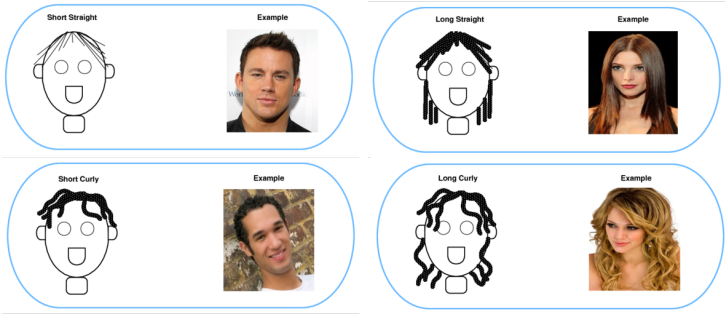

Figure 16. **Hair Style Attribute**. Face labeling help examples for hair style attribute.

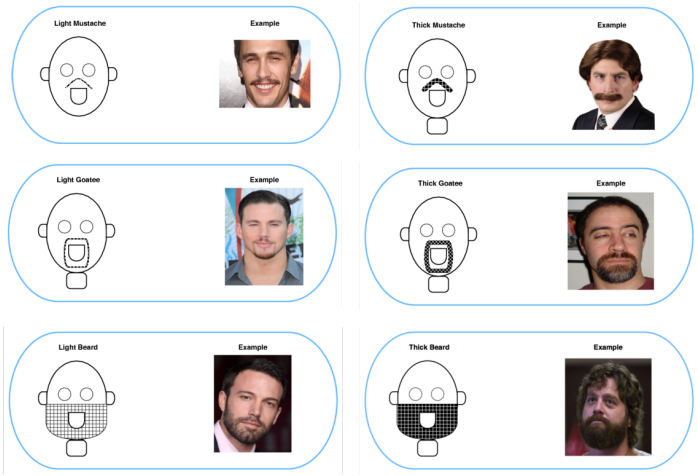

Figure 17. **Facial Hair Attribute**. Face labeling help examples for facial hair attribute.