MCQ - Buolamwini and Gebru (2018)

Zak Varty

Question 1

Gender biases were previously shown to exist in the Word2Vec embedding by which paper?

- A: Angwin et al. (2016)
- B: Bolukbasi et al. (2016)
- C: Caliskan et al. (2017)
- D: Dehghan et al. (2017)

Question 2

How many unique individuals are presented in the phenotypically balanced dataset that is provided by this paper?

Question 3

What is the name of the phenotypically balanced data set that is provided by this paper?

Question 4

Gender classification accuracy is evaluated using intersectional subgroups of:

- A: Gender and Ethnicity
- B: Gender and Nationality
- C: Gender and Race
- D: Gender and Skin Type

Question 5

Which of the following are commercial gender classification systems used in the analysis within this paper?

- A: Adience
- B: Google
- C: Face++
- D: Affectiva
- E: Faception
- F: Miscrosoft
- G: IBM

Question 6

The gender classification systems used in this paper use training data labelled with:

- A: Gender Identity
- B: Biological Sex
- C: Both
- D: Neither
- E: Unknown

Question 7

The positive predictive value (PPV) is used as an accuracy metric in this paper. Which of the following is definitions relates to PPV?

- A: number of individuals correctly labelled / total number of individuals
- B: number of individuals correctly labelled / number of individuals incorrectly labelled
- C: total number of individuals / number of individuals correctly labelled
- D: number of individuals incorrectly labelled / number of individuals correctly labelled

Question 8

Which sub-group has the highest true positive rate across all classification systems?

- A: Darker Females
- B: Darker Males
- C: Lighter Females
- D: Lighter Males

Question 9

Which sub-group has the highest error rate across all classification systems?

- A: Darker Females
- B: Darker Males
- C: Lighter Females
- D: Lighter Males

Question 10

Which sub-group has the highest positive predictive value for the Face++ classification system?

- A: Darker Females
- B: Darker Males
- C: Lighter Females
- D: Lighter Males