# Evaluation of WIT using the Guidelines for human-Al interaction design

From Gorgin and Xin

# Severity\*

The following 0 to 4 rating scale can be used to rate the severity of usability problems:

- **0** = I don't agree that this is a usability problem at all
- 1 = Cosmetic problem only: need not be fixed unless extra time is available on project
- **2** = Minor usability problem: fixing this should be given low priority
- **3** = Major usability problem: important to fix, so should be given high priority
- **4** = Usability catastrophe: imperative to fix this before product can be released

Source: https://www.nngroup.com/articles/how-to-rate-the-severity-of-usability-problems/

# **Issue 1**: [changes unclear]

### **Heuristic:**

[G4. Show contextually relevant information.]

# **Description:**

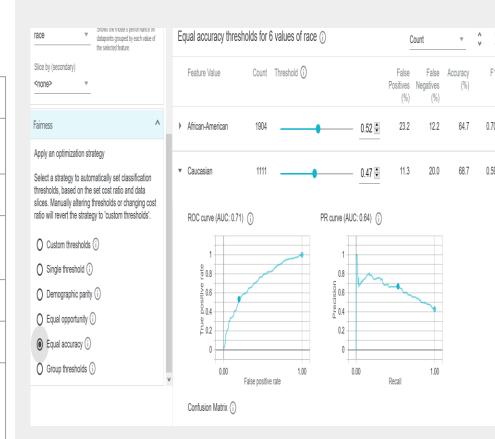
[Unable to see what changes are caused in "Performance" by changing/setting parameters.]

Severity\*: [3]

#### **Recommendation:**

[Option 1: Highlight the block where changed are caused;

Option 2: Generate an window to show user where changes can be found]



# **Issue 2:** [Index unclear]

#### **Heuristic:**

[G4. Show contextually relevant information.]

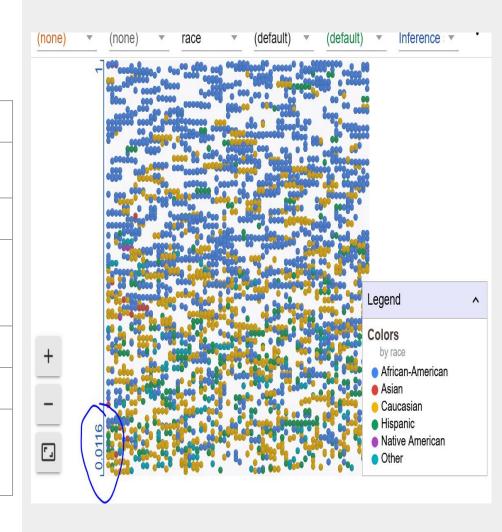
# **Description:**

[At first sight it may confusing why there is a 0.0116.]

Severity\*: [3]

#### Recommendation:

[Just add information of 0.0116 which informs the users that the possibility of all data points of recidivism ranges from 0.0116 to 1.]



# **Issue 3:** [Variable/Attribute unclear]

### **Heuristic:**

[G4. Show contextually relevant information.]

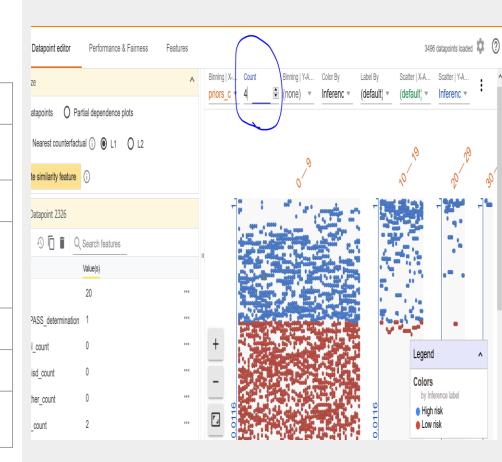
# **Description:**

[For some attributes, it is unclear what the "count" means and influence the display. ]

Severity\*: [3]

#### **Recommendation:**

[Add additional information.]



# Issue 4: [L1 & L2 unclear]

### **Heuristic:**

[G4. Show contextually relevant information.]

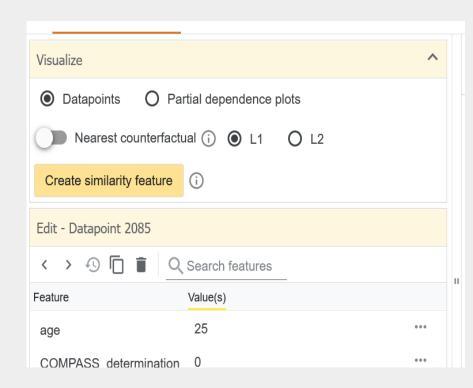
# **Description:**

[L1 & L2 are not clarified and users may don't know what are they and how to choose between L1 and L2.]

Severity\*: [3]

### **Recommendation:**

[Tell the users how L1 and L2 regularization will influence the result of nearest counterfactuals.]



# Issue 5: [no "undo" option]

#### **Heuristic:**

[G12. Remember recent interactions. G9. Support efficient correction.]

## **Description:**

[There is no "undo" option or checkpoint preservation to go back to a previous status.]

Severity\*: [3]

#### Recommendation:

[Maintain short term memory or give users the right to preserve their own pathways.]

(optional) Screenshot