|  |  |  |
| --- | --- | --- |
|  |  |  |
|  | Create Folder of csv’s for tables |  |
|  | Change to readr package functions Check factor changes in code | Re wrote overggplot |
|  |  |  |
|  | Tables: Use kable for tables Justify text left, numbers right | Kables not available for cross tables, save as df and present as kable?  No percentages  Runs off page? |
|  | Use forcats to remove manual level |  |
|  |  |  |
|  | Charts: |  |
|  | Explanatory Titles not in main | Changed to align with N Robbins |
|  | Caption: What is chart explaining? What is most important? |  |
|  | Rearrange factors, remove legends |  |
|  | Change FaceBox to FaceBoundingBox |  |
|  | Add knitr options, set r options for all chunks |  |
|  | Use coord\_equal() (vs coord\_equal ) as it gives pixel ratios |  |
|  |  |  |
|  | Bibliography |  |
|  | Create bib file based on natalias |  |
|  |  |  |

Use this to rewrite goals list for me to undertake with TA during semester

1 –CONTENT, results interesting things

2 – fitting regression models – methods  
Comparison of methods softwares used ROC on different attributes

3 – linking in markdown (base off fpp)

4- Extended Captions

Steph meeting report edits

15/2

- create new data structure, line per face id with 1 or 0 for each software

- stepwise model creation, find variables, list most to least significant (for all softwares)

- the levels of a variable are arranged in alphabetical order, the first will be included in the intercept  
It doesn’t matter which level as we can see the distance between it and the intercept

Use addition to find the numbers to write out in the model by hand (intercept minus the value for the factor level

-remove unnecessary variables

look at the use of an RNN and deep learning techniques (with tensorflow), though that detail might not be needed here

Will the project derive these annotations? If so, do we know what labels will be included or should that be an additional task to be completed?

I think an additional step that looks at the descriptive characteristics of emotions from google’s algorithm would be useful prior to new model development

1. Training data  
   ID, descriptors, Google, Manual,

Classifier – player vs not player

1. Apply to new data

Produce Faces –

1. Emotion tagging -> match stats

Begin with Google tags

March 8,  
Testing a particular face: face-947-1-Go.png

<https://www.microsoft.com/cognitive-services/en-us/emotion-api>:

JSON:

[

{

"faceRectangle": {

"left": 50,

"top": 72,

"width": 182,

"height": 182

},

"scores": {

"anger": 0.00002232511,

"contempt": 0.0000230495189,

"disgust": 0.0005285679,

"fear": 0.000001664925,

"happiness": 2.25717969e-7,

"neutral": 0.000658790232,

"sadness": 0.9987651,

"surprise": 2.69238541e-7

}

}

]

https://skybiometry.com/demo/face-detect/#result-position

{

"status": "success",

"photos": [

{

"url": "http://api.skybiometry.com/fc/images/get?id=bmN2X3hybD02cG45cDRzcXIxMjE0MDI3bjNxODkyNjU0bzBxN24xbiZuY3ZfZnJwZXJnPTA4Nzk5b24xN3JyNjQ0cDFvNjU0cTAxOHMyN3NyNW42JmVxPTgxMDUmY3ZxPW9ybjczNzNxMTMwcm8mZ3Z6cmZnbnpjPTIwMTcwMzA4MDM1MzIw",

"pid": "F@07270c3059cd8afd6312816b3a0c68ef\_bea7373d130eb",

"width": 287,

"height": 329,

"tags": [

{

"uids": [],

"label": null,

"confirmed": false,

"manual": false,

"width": 50.87,

"height": 44.38,

"yaw": 0,

"roll": -3,

"pitch": -6,

"attributes": {

"face": {

"value": "true",

"confidence": 71

},

"gender": {

"value": "male",

"confidence": 10

},

"glasses": {

"value": "false",

"confidence": 49

},

"dark\_glasses": {

"value": "false",

"confidence": 27

},

"smiling": {

"value": "false",

"confidence": 80

},

"age\_est": {

"value": "43",

"confidence": 50

},

"mood": {

"value": "sad",

"confidence": 58

},

"eyes": {

"value": "closed",

"confidence": 100

},

"neutral\_mood": {

"value": "false",

"confidence": 0

},

"anger": {

"value": "false",

"confidence": 40

},

"disgust": {

"value": "true",

"confidence": 57

},

"fear": {

"value": "false",

"confidence": 27

},

"happiness": {

"value": "false",

"confidence": 0

},

"sadness": {

"value": "true",

"confidence": 58

},

"surprise": {

"value": "false",

"confidence": 0

}

},

"points": [

],

"similarities": null,

"tid": "TEMP\_F@07270c3059cd8afd6312816b008d009e\_bea7373d130eb\_49.13\_48.02\_0\_1",

"recognizable": true,

"center": {

"x": 49.13,

"y": 48.02

},

"eye\_left": {

"x": 61.32,

"y": 36.47,

"confidence": 87,

"id": 449

},

"eye\_right": {

"x": 35.89,

"y": 37.99,

"confidence": 87,

"id": 450

},

"mouth\_center": {

"x": 51.22,

"y": 63.53,

"confidence": 94,

"id": 615

},

"nose": {

"x": 49.83,

"y": 50.46,

"confidence": 89,

"id": 403

}

}

]

}

],

"usage": {

"used": 127,

"remaining": 99873,

"limit": 100000,

"reset\_time": 1491556261,

"reset\_time\_text": "Fri, 7 April 2017 09:11:01 +0000"

},

"operation\_id": "d5576cc5ea9544a9b75cf983205d896d"

}

March 10, Kairos

{

"images": [

{

"status": "Complete",

"width": 287,

"height": 329,

"file": "content\_58c1f2a2b7108",

"faces": [

{

"topLeftX": 55,

"topLeftY": 78,

"chinTipX": 152,

"rightEyeCenterX": 103,

"yaw": 8,

"chinTipY": 264,

"confidence": 0.9999,

"height": 169,

"rightEyeCenterY": 124,

"width": 169,

"leftEyeCenterY": 117,

"leftEyeCenterX": 174,

"pitch": -9,

"attributes": {

"asian": 0.00608,

"gender": {

"type": "M"

},

"age": 35,

"hispanic": 0.09775,

"other": 0.03937,

"black": 0.00269,

"white": 0.85412

},

"face\_id": 1,

"quality": -0.54407,

"roll": -6

}

]

}

]

}