**Patch CNN Work**

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| **Output Files of the patch dataset created** | | | |
|  | **Description** | **Input Files** | **Output Files** |
|  | Disc and cup label Exors | Drive : ODsamples  OCsamples : OD and OC segmentation maps | output\_exors – a folder  Folder containing EXOR of OD and OC from dataset - |
|  | Identifying White pixels (Expected ambiguitites) Creating XL file, patches and saving patches. | output\_exors – a Folder containing EXOR of OD and OC from dataset,  Whole images (11 samples) | **Output\_60k.xlsx**  **patches\_60k\_ ---** Folder with approx. 60k patches  (X-train for Reviser CNN) |
|  | **Patches from OD** Creating label patches from already generated XL file and saving patches | **Output/** output\_60k  **.xlsx**  **OD\_samples** | ODpatches60K  (Y-train for Reviser CNN) |
| Learner Reviser CNN | | | |
| Learner CNN 1 |  | **Whole slide Images available in Drishti GS dataset-**  **Images-https://drive.google.com/drive/folders/1ngJztYSqigaWQWboPbithhtA9Vl4TfvT?usp=sharing**  **Labels-https://drive.google.com/drive/folders/1V097nUHnL5o-8zc-2ICuN26tnk1DuOWj?usp=sharing** | **Prediction\_1.zip -** A zip file with predictions of learner CNN 1  **Predictions\_Learner1 –** An excel file with filenames of test and prediction labels |
| Learner CNN 2 |  | **Prediction\_2.zip -** A zip file with predictions of learner CNN 2  **Predictions\_Learner2 –** An excel file with filenames of test and prediction labels |
| Ex-OR on Images1.ipynb | **XOR on prediction from Cnn1,2 to identify ambiguities in prediction** | **Prediction\_1.zip ,**  **Prediction\_2.zip** | **Learner\_ambiguities.zip – Zip file with EX-Or of CNN 1, 2’s predictions** |
| Learners\_amb\_white\_Pixels.jpynb | **Learner\_ambiguities.zip** |  | **White pixels - XL sheet with co-ordinates of Ex\_Ored CNN 1,2’s pedictions**  **[Upload this to drive??}** |
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| Test\_Patch\_gen.ipynb |  | **White pixels - XL**  **“images” folder with the original images** | **25\_patches (Folder)- Patches generated from the original images @ the co-ordinates from the White pixels - XL**  **# X test for reviser CNN** |
| Excel\_row\_column\_coordinates.ipynb | **From the patches in 25\_patches folder, the file names, centre co-ordinates are extracted** | **25\_patches (Folder)-** | ambiguties\_test.csv - **the file names, centre co-ordinates are extracted**  **These are supposed to be the patches to be given for testing in reviser CNN** |
| Reviser CNN3. jpynb |  | **patches\_60k\_ ---** Folder with approx. 60k patches  (X-train for Reviser CNN)  ODpatches60K  (Y-train for Reviser CNN)  **25\_patches (Folder)- Patches generated from the original images @ the co-ordinates from the White pixels - XL**  **#(X test for reviser CNN)** | **reviser\_patch\_predictions. Zip –** A zipfile with the patch predictions from reviser CNN for |
| Excel\_row\_column\_coordinates\_2 |  | reviser\_patch\_predictions. Zip | ambiguties\_tested. XL - The file name, R, C co-ordinates, center pixel value of “reviser predictions” |
| Changing\_center\_pixel\_values.pynb |  | 1. ODsamples (Ytest) and 2. 2. Learner1 predictions (CNN1's o/p) 3. ambiguties\_tested. XL - The file name, R, C co-ordinates, center pixel value of “reviser predictions” | CORRECTED\_images -- center pixel repl with the corrected values by reviser CNN |
| Testing\_Learner\_Reviser\_2.ipynb | **Learner – Reviser CNN Vs Learner CNN comparison** |  |  |

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