

Order	IDANN Process	Notebooks and Input/Output files
1	Transforms CDC fixed format files to CSC format	<p>Notebook: data_pre_processing/transform_fixed_to_csv.ipynb</p> <p>Input: data/raw/ED[year] data/interim/cdc_input_format/format[year].txt</p> <p>Output: data/interim/ED[year].csv</p>
2	Consolidates files from different years into one and applies exclusion criteria	<p>Notebook: data_pre_processing/consolidating_files.ipynb</p> <p>Inputs: data/interim/ED[year].csv</p> <p>Output: data/processed/ED_TOTAL_2009_2009.csv</p>
3	<p>LR Replication Model that predicts critical outcomes</p> <p>(note: reports/lr_results pending)</p>	<p>Notebook: modeling/CDC_LR_2009_baseline.ipynb</p> <p>Input: data/processed/ED_TOTAL_2009_2009.csv</p> <p>Output: reports/lr_results</p>
4	<p>IDANN Model that predicts critical outcomes</p> <p>(note: reports/idann_results pending)</p>	<p>Notebook: modeling/CDC_ATT_NN_2009_Text_Emb.ipynb</p> <p>Input: data/processed/ED_TOTAL_2009_2009.csv</p> <p>Output: reports/idann_results</p> <p>Output Models: models/cdc_2009_att_text_tokenizer.pickle models/cdc_2009_att_text_max_length.pickle models/cdc_2009_att_text_vocabulary.pickle models/cdc_2009_nn_att_text_embedding.H5</p>

5	<p>IDANN Model that predicts resources</p> <p>(note: reports/idann_rss_results pending)</p>	<p>Notebook: CDC_ATT_RSS_NN_2009_Text_Emb.ipynb</p> <p>Input: data/processed/ED_TOTAL_2009_2009.csv</p> <p>Output: reports/idann_rss_results</p> <p>Output Models: models/cdc_2009_att_text_tokenizer.pickle models/cdc_2009_att_text_max_length.pickle models/cdc_2009_att_text_vocabulary.pickle models/cdc_rss_2009_nn_att_text_embedding.H5</p>
6	<p>prediction with TEST 2010 data.</p>	<p>Notebooks: prediction/Batch_Prediction.ipynb</p> <p>Input: data/processed/ED_TOTAL_RSS_2010_2010.csv</p> <p>Input Models: models/cdc_2009_att_text_tokenizer.pickle models/cdc_2009_att_text_max_length.pickle models/cdc_2009_att_text_vocabulary.pickle models/cdc_2009_nn_att_text_embedding.H5 models/cdc_rss_2009_nn_att_text_embedding.H5</p> <p>Output: data/result/Predictions_2010_DataForThresholds.json</p>
7	<p>Determining Thresholds</p> <p>(note: data/result/thresholds.json pending)</p>	<p>Notebooks: prediction/ESI_threshold_optimization.ipynb</p> <p>Input: data/result/Predictions_2010_DataForThresholds.json</p> <p>Output: data/result/thresholds.json</p>
8	<p>Test Visualizations</p>	<p>Notebooks: test_evaluation/ESI_vs_pred_ESI_Viz.ipynb test_evaluation/ESI_sankeys_viz.ipynb</p> <p>Input: data/result/Predictions_2010_DataForThresholds.json</p> <p>Output: reports/figures/graphs/*.png</p>

