

# Appendix A: config.yml

This notebook shows the content of `config.yml`, i.e. the parameters that were used to run the analysis.

```
{
  'area_name': 'Copenhagen',
  'reference_name': 'GeoDanmark',
  'study_area': 'cph_geodk',
  'study_crs': 'EPSG:25832',
  'plot_resolution': 'high',
  'bicycle_infrastructure_queries': {
    'A': "highway == 'cycleway'",
    'B': "cycleway in '["lane', 'track', 'opposite_lane', 'opposite_track', 'shared_lane', 'designated', 'crossing']'",
    'C': "cycleway_left in '["lane', 'track', 'opposite_lane', 'opposite_track', 'shared_lane', 'designated', 'crossing']'",
    'D': "cycleway_right in '["lane', 'track', 'opposite_lane', 'opposite_track', 'shared_lane', 'designated', 'crossing']'",
    'E': "cycleway_both in '["lane', 'track', 'opposite_lane', 'opposite_track', 'shared_lane', 'designated', 'crossing']'",
    'osm_bicycle_infrastructure_type': {
      'protected': [
        "highway == 'cycleway'",
        "cycleway in '["track', 'opposite_track']'",
        "cycleway_left in '["track', 'opposite_track']'",
        "cycleway_right in '["track', 'opposite_track']'",
        "cycleway_both in '["track', 'opposite_track']'",
      ],
      'unprotected': [
        "cycleway in '["lane', 'opposite_lane', 'shared_lane', 'crossing']'",
        "cycleway_left in '["lane', 'opposite_lane', 'shared_lane', 'crossing']'",
        "cycleway_right in '["lane', 'opposite_lane', 'shared_lane', 'crossing']'",
        "cycleway_both in '["lane', 'opposite_lane', 'shared_lane', 'crossing']'",
      ],
      'unknown': [
        "cycleway in ['designated']'",
        "cycleway_left in ['designated']'",
        "cycleway_right in ['designated']'",
        "cycleway_both in ['designated']'",
      ],
    },
  },
  'osm_way_tags': [
    'access',
    'barrier',
    'bridge',
    'bicycle',
    'bicycle_road',
    'crossing',
  ],
}
```

```

    'cycleway',
    'cycleway:left',
    'cycleway:right',
    'cycleway:both',
    'cycleway:buffer',
    'cycleway:left:buffer',
    'cycleway:right:buffer',
    'cycleway:both:buffer',
    'cycleway:width',
    'cycleway:left:width',
    'cycleway:right:width',
    'cycleway:both:width',
    'cycleway:surface',
    'foot',
    'footway',
    'highway',
    'incline',
    'junction',
    'layer',
    'lit',
    'maxspeed',
    'maxspeed:advisory',
    'moped',
    'motor_vehicle',
    'motorcar',
    'name',
    'oneway',
    'oneway:bicycle',
    'osm_id',
    'segregated',
    'surface',
    'tracktype',
    'tunnel',
    'width'],
'existing_tag_analysis': {'surface': {'true_geometries': ['surface',
                                                         'cycleway_surface'],
                                     'centerline': ['cycleway_surface']},
                        'width': {'true_geometries': ['width',
                                                         'cycleway_width',
                                                         'cycleway_left_width',
                                                         'cycleway_right_width',
                                                         'cycleway_both_width'],
                                   'centerline': ['cycleway_width',
                                                  'cycleway_left_width',
                                                  'cycleway_right_width',
                                                  'cycleway_both_width']},
                        'speedlimit': {'all': ['maxspeed']},
                        'lit': {'all': ['lit']}},
'incompatible_tags_analysis': {'bicycle_infrastructure': {'yes': [['bicycle',
                                                                    'no'],
                                                                    ['bicycle',
                                                                    'dismount'],
                                                                    ['car',
                                                                    'yes']]},
                              'grid_cell_size': 500,
                              'reference_geometries': 'true_geometries',
                              'bidirectional': False,
                              'ref_bicycle_infrastructure_type': {'protected': ["vejklasse == 'Cykelsti "
                                                                               "langs vej'"],
                                                                    'unprotected': ["vejklasse == 'Cykelbane "
                                                                               "langs vej'"]},
                              'reference_id_col': 'fot_id'}

```