def create\_hash\_dirs(records):

geoindex\_dir = results\_dir.joinpath('geoindex')

geoindex\_dir.mkdir(exist\_ok=True, parents=True)

hashes = []

for record in records:

src\_airport = record.get('src\_airport', {})

if src\_airport:

latitude = src\_airport.get('latitude')

longitude = src\_airport.get('longitude')

if latitude and longitude:

## TODO: use pygeohash.encode() to assign geohashes to the records and complete the hashes list

hashes.sort()

three\_letter = sorted(list(set([entry[:3] for entry in hashes])))

hash\_index = {value: [] for value in three\_letter}

for record in records:

geohash = record.get('geohash')

if geohash:

hash\_index[geohash[:3]].append(record)

for key, values in hash\_index.items():

output\_dir = geoindex\_dir.joinpath(str(key[:1])).joinpath(str(key[:2]))

output\_dir.mkdir(exist\_ok=True, parents=True)

output\_path = output\_dir.joinpath('{}.jsonl.gz'.format(key))

with gzip.open(output\_path, 'w') as f:

json\_output = '\n'.join([json.dumps(value) for value in values])

f.write(json\_output.encode('utf-8'))