```
In [1]: 1 import sys
import csv
import numpy as np
import matplotlib.pyplot as plt

sys.path.insert(0, 'src')

from utils import plot_line, plot_bar
from k_discount import kDISCount
```

k-DISCount demo

k-DISCount: Counting in Large Image Colections with Detector-based Importance Sampling.

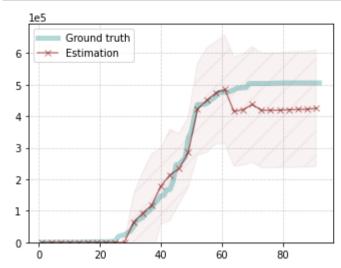
This demo uses the detector counts and screened counts from [1] (https://www.biorxiv.org/content/10.1101/2022.10.28.513761v1) for radar station KBUF 2010.

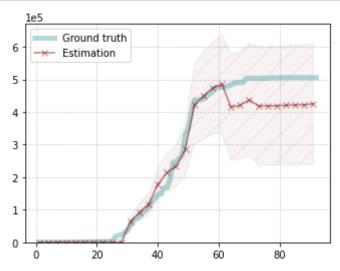
Initialize estimator

Define regions

k-DISCount for total count (DISCount)

k-DISCount for cumulative counts per-day





k-DISCount for cumulative counts per quarter

