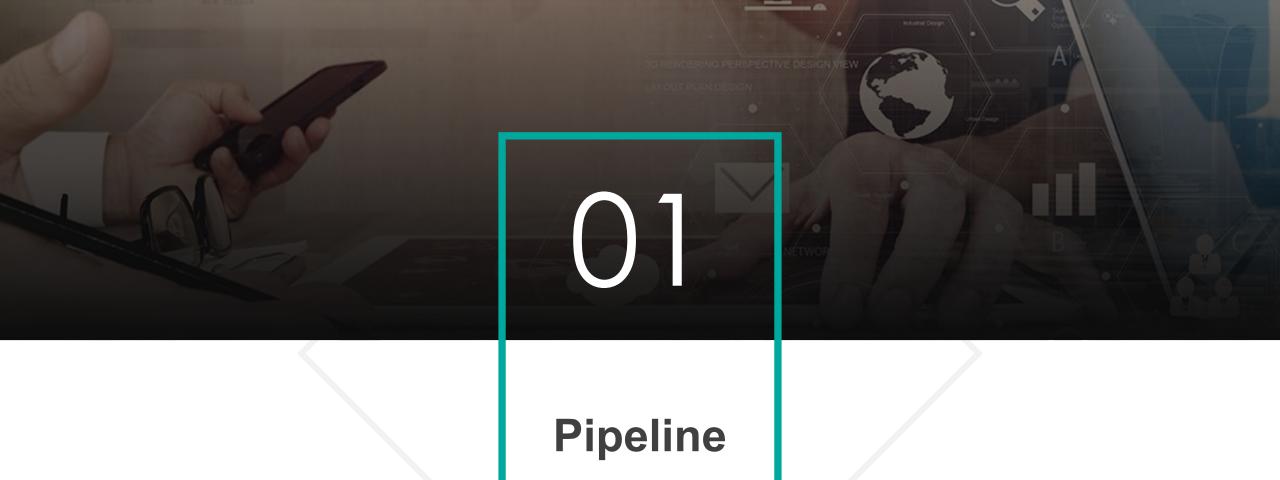
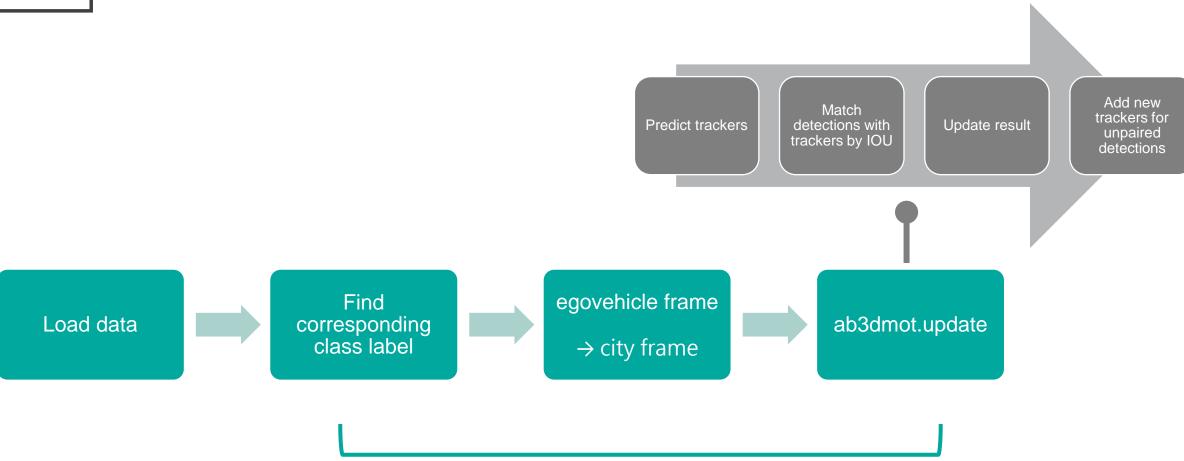


310605005 王映勻

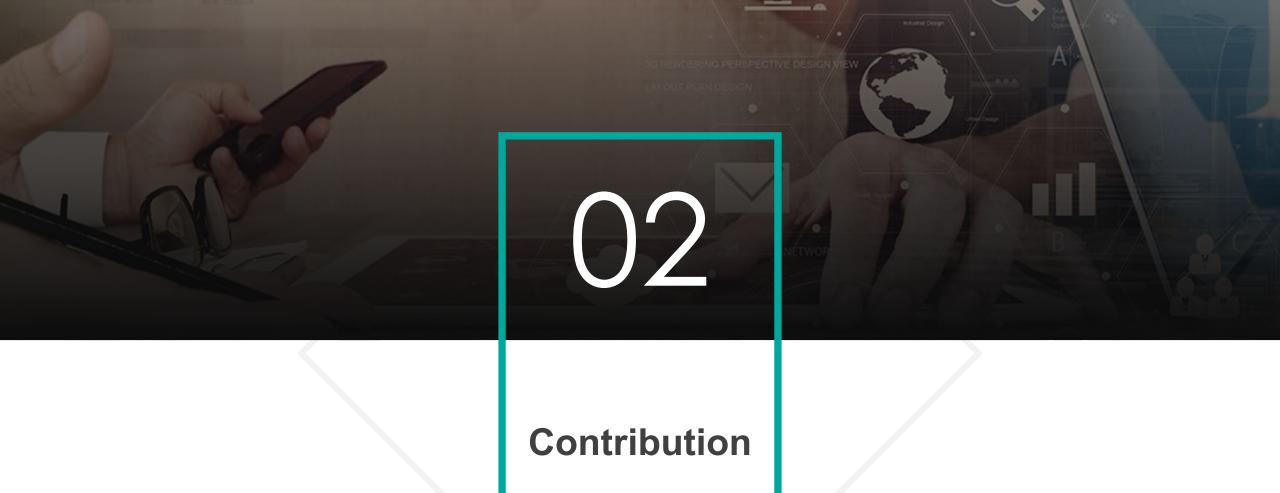




01 Pipeline



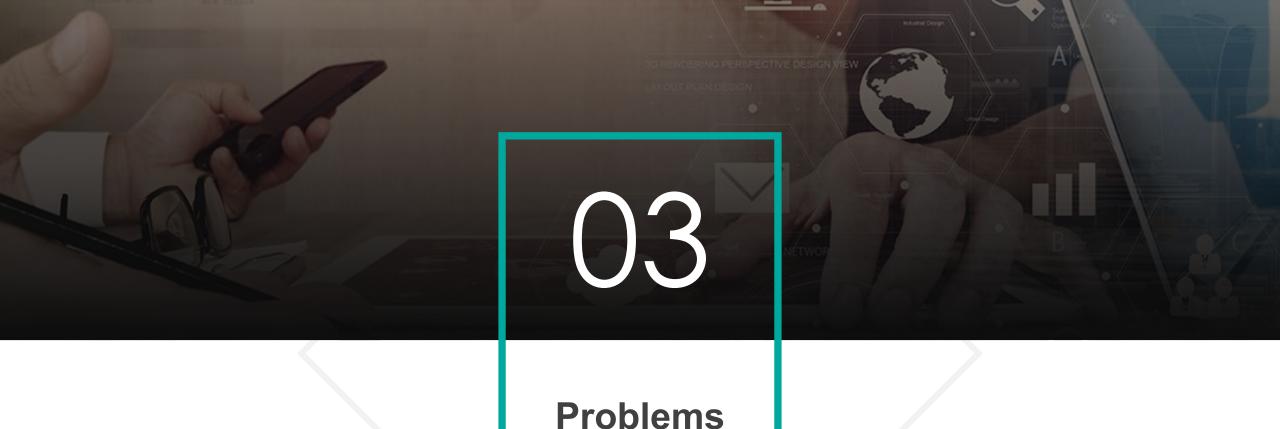
each lidar timestamp



Method: Simple Gaussian Mixture Filter (GMF)

- 1. Weighted parameter (w_i, [0,1]) 每個高斯元素都有不同的比重並與classification score成正比
- 2. Probability of survival (p_s [0,1]) 在一特定時間内目標存活的概率
- 3. Estimate threshold (t_e [0,1]) 認定追蹤目標的閾值
- 4. Prune threshold (t_p [0,1]) 將高斯元素從tracker移除的門檻

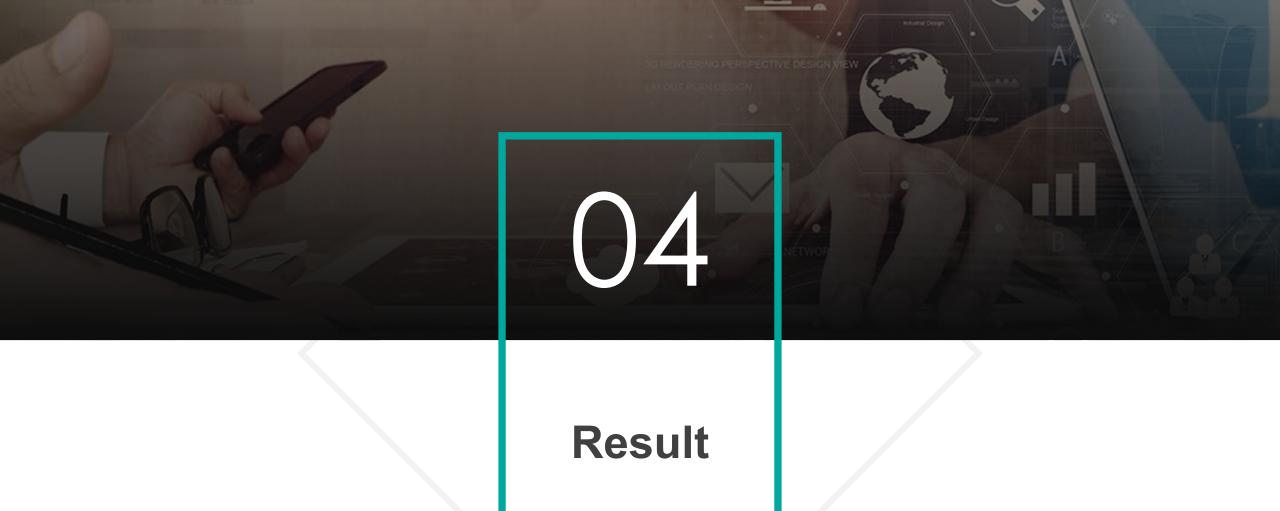
Contribution: change the way to calculate match-distance from IOU to Mahalanobis distance



Problems & Solutions

Problems & Solutions

- Tune the parameters (survival p_s & estimate threshold) according to performance considerations.
- Although I don't know the result because of the broken website, we still
 can see that a little change of this two parameters would cause a much
 worse performance which shows that these parameters is crucial.



Visualization Result

https://drive.google.com/file/d/1VJft-

LGnpd80iU_JKcze5VGITRR2Uexx/view?usp=sharing

