

# Destination Cleaning

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## I. TASK

There are over 3,000,000 raw destinations have not been cleaned in our database. Similar to Destination translation, I extract data from our database using PostgreSQL, and figured out the right country code and city code, then changed the “isclean” to “T”.

## II. CODE

```
select count(*) from as_alias_dest -----total number of raw destinations needed  
to be cleaned: currently 3,665,878  
  
-----group by country code-----  
select uncountry, count(uncountry) from as_alias_dest where isclean = 'f'  
group by 1  
order by count(*) desc  
  
-----Group by and list different location codes under a specific Country code-----  
select unlocation, count(*) from as_alias_dest where isclean= 'f' and uncountry =  
'FR'  
group by unlocation  
order by count(*) desc  
  
----- count numbers of different transformed data under a specific location code,  
and order them by a descending number-----  
select transformed, count(transformed) from as_alias_dest where isclean= 'f' and  
uncountry= 'FR' and unlocation= 'LEH'  
group by 1  
order by count(transformed) desc  
  
--Search for the corresponding raw data based the largest number of transformed data-  
select * from as_alias_dest where isclean = 'f' and uncountry = 'FR' and  
unlocation='LEH' and transformed ilike '%LEH' and raw not ilike '%%%' and raw not  
ilike '%%'  
and REVERSE(substring(REVERSE(raw),1,3)) not in (select lo_city_code from  
lookup.port_un)  
and REVERSE(substring(REVERSE(raw),1,2)) not in (select lo_country_code from  
lookup.port_un)  
order by length(raw)  
  
select COUNT(*) from (  
select uncountry, count(uncoNtry) from as_alias_dest where unlocation = 'OGS' group  
by uncountry) as a -----search for a specific city code, and check if there  
are more than one country have the same city code  
  
select * from as_alias_dest where isclean = 'f' and unlocation = 'OGS';  
select * from as_alias_dest where isclean = 'f' and uncountry = 'NL'
```

```
update as_alias_dest set uncountry ='CN',unlocation ='SHA', isclean ='t' where raw  
='XXX';
```