

```

{agency_code} -> {agency_name, agency_abbr}
{loan_type} -> {loan_type_name}
{property_type} -> {property_type_name}
{loan_purpose} -> {loan_purpose_name}
{owner_occupancy} -> {owner_occupancy_name}
{preapproval} -> {preapproval_name}
{action_taken} -> {action_taken_name}
{msamd} -> {msamd_name}
{state_code} -> {state_name, state_abbr}
{county_code} -> {county_name}
{location_id} -> {state_code, county_code, census_tract_number, population,
minority_population, hud_median_family_income, tract_to_msamd_income,
number_of_owner_occupied_units, number_of_1_to_4_family_units, msamd}
{applicant_ethnicity} -> {applicant_ethnicity_name}
{co_applicant_ethnicity} -> {co_applicant_ethnicity_name}
{applicant_race_1} -> {applicant_race_name_1}
{applicant_race_2} -> {applicant_race_name_2}
{applicant_race_3} -> {applicant_race_name_3}
{applicant_race_4} -> {applicant_race_name_4}
{applicant_race_5} -> {applicant_race_name_5}
{co_applicant_race_1} -> {co_applicant_race_name_1}
{co_applicant_race_2} -> {co_applicant_race_name_2}
{co_applicant_race_3} -> {co_applicant_race_name_3}
{co_applicant_race_4} -> {co_applicant_race_name_4}
{co_applicant_race_5} -> {co_applicant_race_name_5}
{applicant_sex} -> {applicant_sex_name}
{co_applicant_sex} -> {co_applicant_sex_name}
{purchaser_type} -> {purchaser_type_name}
{denial_reason_1} -> {denial_reason_name_1}
{denial_reason_2} -> {denial_reason_name_2}
{denial_reason_3} -> {denial_reason_name_3}
{hoepa_status} -> {hoepa_status_name}
{lien_status} -> {lien_status_name}
{edit_status} -> {edit_status_name}
{application_id/loan_id} -> {as_of_year, respondent_id, loan_amount_000s,
applicant_income_000s, rate_spread, sequence_number,
application_date_indicator}

```

```
property(property_id, location_id, property_type, owner_occupancy)
```

```
loan(loan_id, property_id, loan_type, loan_purpose, preapproval, action_taken,
hoepa_status, lien_status, purchaser_type, as_of_year, loan_amount_000s,
rate_spread, sequence_number, application_date_indicator)
```

```
loan_denial(loan_id, denial_reason, denial_number)
```

```
respondent(loan_id, respondent_id, agency_code, edit_status)
```

```
applicant(applicant_id, loan_id, applicant_ethnicity, applicant_sex,
applicant_income_000s)
```

```
co_applicant(co_applicant_id, applicant_id, co_applicant_ethnicity,
co_applicant_sex)
```

```
applicant_race(applicant_id, applicant_race, race_number)
```

```
co_applicant_race(co_applicant_id, co_applicant_race,
co_applicant_race_number)
```

REFERENCE TABLES:

```
loan_type_ref(loan_type, loan_type_name)
```

```
loan_purpose_ref(loan_purpose, loan_purpose_name)
```

```
preapproval_ref(preapproval, preapproval_name)
```

```
action_taken_ref(action_taken, action_taken_name)
```

```
hoepa_status_ref(hoepa_status, hoepa_status_name)
```

```
lien_status_ref(lien_status, lien_status_name)
```

```
purchaser_type_ref(purchaser_type, purchaser_type_name)
```

```
loan_denial_ref(denial_reason, denial_reason_name)
```

```
property_type_ref(property_type, property_type_name)
```

```
owner_occupancy_ref(owner_occupancy, owner_occupancy_name)
```

```
msamd_ref(msamd, msamd_name)
```

```
state_ref(state_code, state_name, state_abbr)
```

```
county_ref(county_code, county_name)
```

```
location(location_id, msamd, state_code, county_code, census_tract_number,
population, minority_population, hud_median_family_income,
tract_to_msamd_income, number_of_owner_occupied_units,
number_of_1_to_4_family_units)
```

```
agency(agency_code, agency_name, agency_abbr)
```

```
edit_status_ref(edit_status, edit_status_name)
```

```
race_ref(race, race_name)
```

```
ethnicity_ref(ethnicity, ethnicity_name)
```

```
sex_ref(sex, sex_name)
```