

```

CREATE VIEW gender_fraud AS
SELECT gender.gender_type, target.target_name,
count(loan_applicant.sk_id_curr)as count,
round( 100 * COUNT ( * ) * 1.0 / SUM ( COUNT ( * ) ) OVER ( ), 2 ) || '%'
as percentage
FROM gender, target, loan_applicant
WHERE gender.gender_id=loan_applicant.gender_id and
loan_applicant.sk_id_curr=target.sk_id_curr and gender.gender_type in
('F','M')
GROUP BY gender_type, target_name;

```

```

CREATE VIEW loan_fraud AS
SELECT contract.contract_name, target.target_name,
count(contract.sk_id_curr)as count,
round( 100 * COUNT ( * ) * 1.0 / SUM ( COUNT ( * ) ) OVER ( ), 2 ) || '%'
as percentage
FROM contract, target
WHERE contract.sk_id_curr=target.sk_id_curr
GROUP BY contract_name, target_name;

```

```

CREATE VIEW occupation_fraud AS
SELECT occupation_type, count(sk_id_curr)as count,
round( 100 * COUNT ( * ) * 1.0 / SUM ( COUNT ( * ) ) OVER ( ), 2 ) || '%'
as percentage
FROM occupation
WHERE occupation_type is not NULL
GROUP BY occupation_type
ORDER BY count DESC
LIMIT 10;

```

```

CREATE VIEW property_fraud AS
SELECT property.property_name, property.if_owned, target.target_name,
count(loan_applicant.sk_id_curr)as count,
round( 100 * COUNT ( * ) * 1.0 / SUM ( COUNT ( * ) ) OVER ( ), 2 ) || '%'
as percentage
FROM property, target, loan_applicant
WHERE property.sk_id_curr=loan_applicant.sk_id_curr and
loan_applicant.sk_id_curr=target.sk_id_curr
GROUP BY property_name, target_name,if_owned;

```

```

CREATE VIEW income_fraud AS
SELECT income.income_type, ROUND(AVG(income.annual_income_total),2)as
average_income, target.target_name,
count(loan_applicant.sk_id_curr)as count,
round( 100 * COUNT ( * ) * 1.0 / SUM ( COUNT ( * ) ) OVER ( ), 2 ) || '%'
as percentage
FROM income, target, loan_applicant
WHERE income.income_id=loan_applicant.income_id and
loan_applicant.sk_id_curr=target.sk_id_curr and target_name='1'
GROUP BY income_type, target_name
ORDER BY count DESC;

```

```

CREATE VIEW family_fraud AS

```

```

SELECT family.family_status,target.target_name,
count(loan_applicant.sk_id_curr)as count,
round( 100 * COUNT ( * ) * 1.0 / SUM ( COUNT ( * ) ) OVER ( ), 2 ) || '%'
as percentage
FROM family, target, loan_applicant
WHERE  family.sk_id_curr=loan_applicant.sk_id_curr and
loan_applicant.sk_id_curr=target.sk_id_curr and target_name='1'
GROUP BY family_status, target_name
ORDER BY count DESC;

```

```

CREATE VIEW women_fraud AS
SELECT family.family_status, gender.gender_type,
count(loan_applicant.sk_id_curr)as count,
round( 100 * COUNT ( * ) * 1.0 / SUM ( COUNT ( * ) ) OVER ( ), 2 ) || '%'
as percentage
FROM family, gender, loan_applicant
WHERE  family.sk_id_curr=loan_applicant.sk_id_curr and
gender.gender_id=loan_applicant.gender_id
and gender_type in ('F','M')and family_status in ('Single / not
married','Married','Civil marriage','Separated','Widow')
GROUP BY family_status, gender_type;

```

```

CREATE VIEW address_fraud AS
SELECT address_match.address_match_type, address_match.address_matched,
target.target_name, count(loan_applicant.sk_id_curr)as count
FROM address_match,target,loan_applicant
WHERE address_match.sk_id_curr=target.sk_id_curr and
target.sk_id_curr=loan_applicant.sk_id_curr
and target_name='1' and address_match_type in
('reg_city_not_live_city','reg_city_not_work_city') and
address_matched='true'
GROUP BY address_match_type, address_matched, target_name;

```

```

CREATE VIEW weekday_fraud AS
SELECT weekday_appr, count(sk_id_curr) as count
FROM contract
GROUP BY weekday_appr
ORDER BY count DESC;

```

```

CREATE VIEW cash_loan_fraud AS
SELECT contract.contract_name, ROUND(AVG(income.annual_income_total),2)as
average_income,
count(loan_applicant.sk_id_curr)as count, target.target_name
FROM contract,income,loan_applicant,target
WHERE income.income_id=loan_applicant.income_id and
loan_applicant.sk_id_curr=target.sk_id_curr
and contract.sk_id_curr=target.sk_id_curr and target_name='1'and
contract_name='Cash loans'
GROUP BY contract_name, target_name;

```

```

CREATE VIEW organization_fraud AS
SELECT organization.organization_type, target.target_name,
count(loan_applicant.sk_id_curr)as count,

```

```
round( 100 * COUNT ( * ) * 1.0 / SUM ( COUNT ( * ) ) OVER ( ), 2 ) || '%'
as percentage
FROM organization, target, loan_applicant
WHERE organization.sk_id_curr=target.sk_id_curr and
loan_applicant.sk_id_curr=target.sk_id_curr and target_name='0'
GROUP BY organization_type,target_name
ORDER BY count DESC
LIMIT 10;
```

```
CREATE VIEW contact_fraud AS
SELECT contact.contact_provided, target.target_name,
count(loan_applicant.sk_id_curr)as count,
round( 100 * COUNT ( * ) * 1.0 / SUM ( COUNT ( * ) ) OVER ( ), 2 ) || '%'
as percentage
FROM contact,target,loan_applicant
WHERE contact.sk_id_curr=target.sk_id_curr and
loan_applicant.sk_id_curr=target.sk_id_curr
GROUP BY contact_provided,target_name;
```