# **Questions and Queries**

#### Question:

Does ages affect the likelihood that you will be involved with a crime?

```
Query:
```

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### Question:

What is the time with the least amount of crime occured?

## Query:

#### Question:

What crime occurs in a given month?

### Query:

```
?report ns1:hasDateTime ?datetime .
    ?report ns1:hasCrime ?crime .
    ?crime ns1:hasCrimeCrimmitedDescription ?crimeDescription .
    FILTER (MONTH(?datetime) = 1) .
}
GROUP BY ?crimeDescription
ORDER BY DESC(?count)
```

.....

#### Question:

"Based on your gender, how likely are you to be involved with a crime in a given neighborhood?"

### Query:

## Question:

What is the distribution of crimes committed against each race per month?

### Query:

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## Question:

For a given url reference, what are rdf triples that contain such a reference?

# Query:

```
Let X be the url reference
SELECT ?s ?p ?o WHERE {
      {
            SELECT (COALESCE(X) as ?s) ?p ?o
            WHERE {
                 X ?p ?o
      } UNION {
            SELECT ?s (COALESCE(X) as ?p) ?o
            WHERE {
                  ?s X ?o
            }
      } UNION {
            SELECT ?s ?p (COALESCE(X) as ?o)
            WHERE {
                  ?s ?p X
            }
      }
}
```

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#### Question:

What is the ratio of the number of arrests of a person who committed a crime at a particular location to that of the total number of crimes located at that location?

# Query:

```
SELECT (?number of arrests/?number of crimes AS ?fraction)
WHERE {
  {
       SELECT (COUNT (?arrest report) AS ?number of arrests)
       WHERE {
             ?arrest_report_rdf:type_ns1:ArrestReport .
             ?arrest_report ns1:hasLocation ?location .
             ?location ns1:hasAddress ?a_crime_address .
             FILTER (?a crime address = '6TH ST')
      }
  }
       SELECT (COUNT (?crime report) AS ?number of crimes)
       WHERE {
             ?crime_report rdf:type ns1:CrimeReport .
             ?crime report ns1:hasLocation ?location .
             ?location ns1:hasAddress ?c crime address .
             FILTER (?c crime address = '6TH ST')
       }
  }
}
```

**Question**: What is the distribution of crimes across different premises?

# Query: