

CMS 375 Final Database Report

Hate Groups in the USA

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Table of Contents

Hate Groups in the USA	0
Table of Contents	1
Requirements Analysis	2
Universe of Discourse Narrative	2
Business Rules	2
Conceptual Design	4
Entity Relationship Diagram	4
Logical Design & Schema Refinement	4
Relational Schemas	4
Functional Dependencies	5
Adjustments	6
Physical Design/Implementation	6
Database Creation & Population File	6
Query/Update File	27
Database Schemas	31
Database Populated Relations	34
Query & Update Execution	38
Challenges Encountered	47
Lessons Learned	48

Requirements Analysis

Universe of Discourse Narrative

Using data from the Southern Poverty Law Center (SPLC), we will build a database that houses data on known hate groups in the USA from 2018-2019 and their associated activity. SPLC publically posts this data on their website in a csv file with an average of 1000 rows per year.

Our entities will be hate groups, events, leaders, and ideologies. There is no unique identifier within the found data; therefore, we will need to create one in order to move the data into our database. Potential queries we could add include finding a list of hate groups involved in a particular state or to find all events associated with a particular hate group.

Across the nation, there are varying degrees of hate among states as some states seem to contain more active hate groups than others. This project's purpose is to give a clear picture of the range of hate groups in America and the influences they have made in organizing events and finding new followers. We chose this situation to model because it can educate others on discriminatory actions that take place in America and potentially inspire further awareness and advocacy.

Business Rules

Entities

- Hate group
- Event
- Leader
- Ideology

Structural Assertions

1. A hate group has a unique name.
2. A hate group is active in a state or states.
3. A hate group follows an ideology.
4. A hate group has a headquarters.
5. A hate group has the date founded.
6. An event_has a unique eventID.
7. An event has a date associated with the hate group that organized it.
8. An event has a location composed of city and state.
9. An event has a number of attendees.
10. A leader has a name
11. A leader has a birth date
12. A leader has a resident state.
13. Each leader has a unique combination of name and birth date.

- 14. A leader is associated with a hate group.
- 15. An ideology has a unique name.
- 16. An ideology has a bias type--which can be race, religious, sexual orientation, gender, disability, or other.

Action Assertions

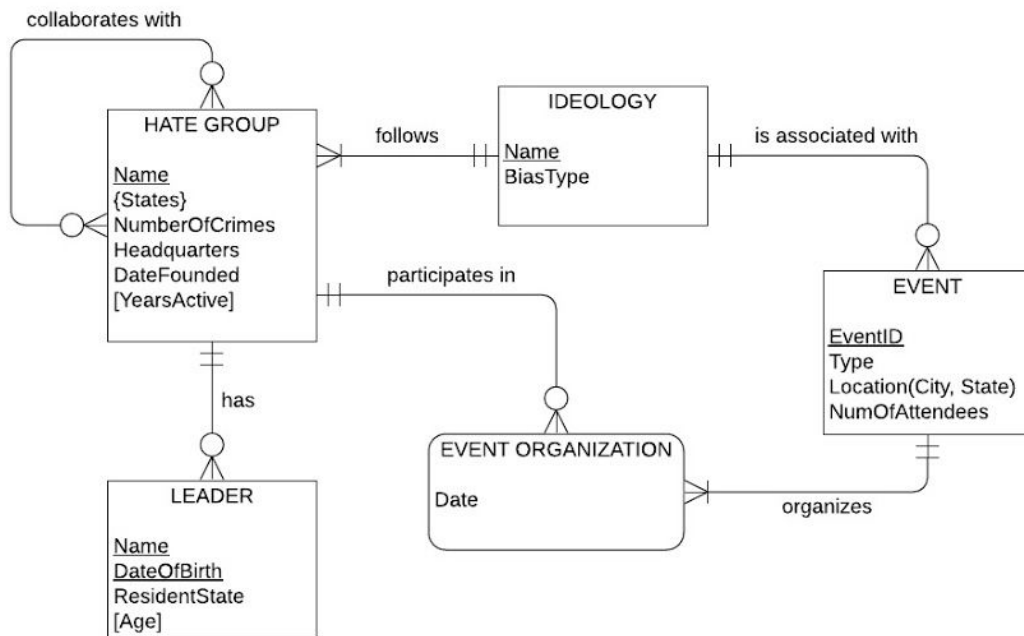
- 17. An event is associated with only one ideology.
- 18. An event must have at least one hate group present.
- 19. An ideology can have many corresponding events.
- 20. An ideology has at least one associated hate group.
- 21. An ideology can have many associated events or none.
- 22. A leader can have only one hate group.
- 23. An event can have one or more hate groups involved.
- 24. A hate group may participate in many events or none at all.
- 25. A hate group may have many leaders or no leaders.
- 26. A hate group follows only one ideology.
- 27. A hate group may or may not collaborate with other hate groups.

Derived Statements

- 28. The age of a leader can be found by subtracting the present year from the year provided in their birth date.
- 29. The years a hate group has been active can be calculated by the current year minus the date founded.

Conceptual Design

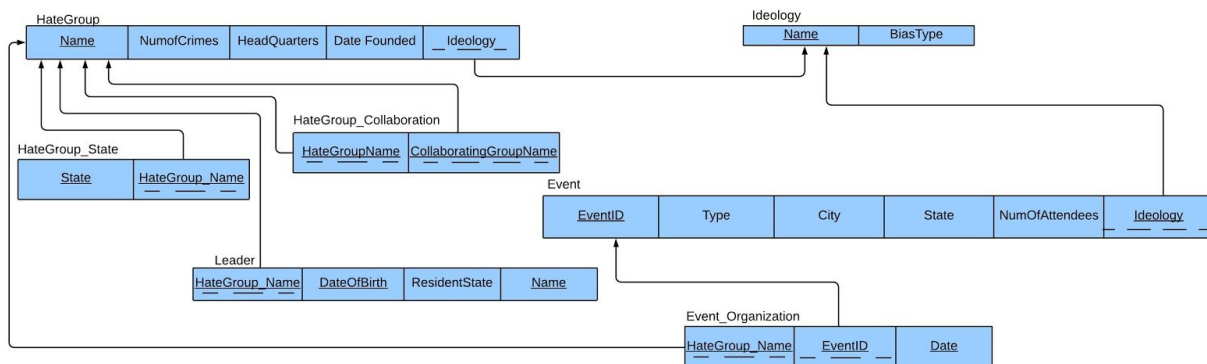
Entity Relationship Diagram



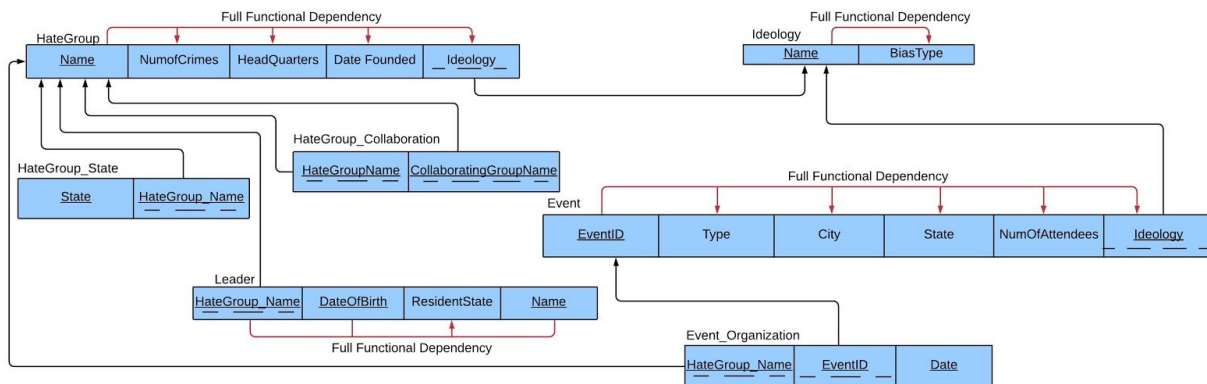
Logical Design & Schema Refinement

Relational Schemas

Phase 1. Relational Schema Prior to Schema Refinement



Phase 2. Relational Schema after Schema Refinement (Red arrow indicates dependencies)



Functional Dependencies

“HateGroup” began in 1st Normal Form (1NF) as there are no multivalued attributes in the schema; they are automatically moved to “HateGroup_State.” “HateGroup” schema is in at least 2nd Normal Form (2NF) because every nonkey attribute is dependent only on the primary key (Name) and the primary key is simple/single valued. It is in 3NF because it is in 1NF, 2NF, and has no transitive dependencies.

“HateGroup_State” is in at least 2NF because there are no multivalued attributes and there are no nonkey attributes--guaranteeing no partial dependencies. It is in 3NF because it is in 1NF, 2NF, and has no transitive dependencies.

“Ideology” schema is in at least 2NF because there are no multivalued attributes and the only nonkey attribute is dependent on the primary key (Name) and the primary key is simple/single valued. It is in 3NF because it is in 1NF, 2NF, and has no transitive dependencies.

“Event” is in at least 2NF because there are no multivalued attributes and the primary key is a simple primary key(eventID). It is in 3NF because it is in 1NF, 2NF, and has no transitive dependencies.

“Event_Organization” is solely a composite primary key (HateGroup_Name, EventID, Date) with no nonkey attributes meaning it is automatically in 3NF.

“Leader” schema is in at least 2NF because there are no multivalued attributes and the only nonkey attribute has full functional dependency on the composite primary key (HateGroup_Name, DateOfBirth, Name). It is in 3NF because it is in 1NF, 2NF, and has no transitive dependencies.

“HateGroup_Collaboration” is also solely a composite primary key (HateGroupName, CollaboratingGroupName) without any non-key attributes so it is automatically in 3NF.

Adjustments

An adjustment we made to our relational schemas was the addition of a “HateGroup_Collaboration” schema. Previously we had “Collaborator” as a recursive foreign key in the “HateGroup” schema to show a one-to-many unary relationship. We added this new schema to represent a unary many-to-many relationship between hate groups instead. We also added an EventID to uniquely identify instances of an Event and then reflected that change in both the business rules and the ERD along with changes to Event’s Primary Key.

Physical Design/Implementation

Database Creation & Population File

```
/* Hate Group Database */
/* Julie Sparks, Maria Morales, Jacob Buckelew, Miriam Scheinblum */

DROP database IF EXISTS hategroup_db;
CREATE database hategroup_db;
USE hategroup_db;

drop table if exists ideology_t;

create table ideology_t(
    ideologyName      varchar(50) not null,
    biasType          varchar(20) not null,
    constraint ideology_pk primary key(ideologyName));

insert into ideology_t values('Alt-Right', 'white supremacy');
insert into ideology_t values('Anti-Government', 'anarchist');
insert into ideology_t values('Anti-Immigrant', 'xenophobia');
insert into ideology_t values('Anti-LGBT', 'homophobia');
insert into ideology_t values('Anti-Muslim', 'islamophobia');
insert into ideology_t values('Black Separatist', 'anti-white');
insert into ideology_t values('Christian Identity', 'anti-semitism');
insert into ideology_t values('General Hate', 'miscellaneous');
insert into ideology_t values('Hate Music', 'white supremacy');
```

```

insert into ideology_t values('Holocaust Denial', 'anti-semitism');
insert into ideology_t values('Male Supremacy', 'misogyny');
insert into ideology_t values('Neo-Confederate', 'southern nationalism');
insert into ideology_t values('Neo-Nazi', 'anti-semitism');
insert into ideology_t values('Neo-Volkisch', 'ethnocentrism');
insert into ideology_t values('Racist Skinhead', 'white supremacy');
insert into ideology_t values('Radical Traditional Catholicism',
'anti-semitism');
insert into ideology_t values('Phineas Priesthood', 'miscellaneous');
insert into ideology_t values('Progressive Neo-Nazi', 'white supremacy');
insert into ideology_t values('Sovereign Citizens Movement', 'racism');
insert into ideology_t values('White Nationalist', 'white supremacy');
commit;

```

```

drop table if exists hategroup_t;

```

```

create table hategroup_t(
    name                varchar(60) not null,
    numOfCrimes          int(6),
    hq                   varchar(32),
    yearFounded          int(4),
    ideology              varchar(50),
    constraint hategroup_pk primary key(name),
    constraint hategroup_fk1 foreign key(ideology) references
ideology_t(ideologyName));

```

```

insert into hategroup_t values('American Border Patrol', 3, 'Sierra Vista,
Arizona', '1992', 'Anti-Immigrant');
insert into hategroup_t values('Americans for Legal Immigration', 0,
'Raleigh, North Carolina', '2004', 'Anti-Immigrant');
insert into hategroup_t values('Californians for Population Stabilization',
0, 'Santa Barbara, California', '1979', 'Anti-Immigrant');
insert into hategroup_t values('Help Save Maryland', 0, 'Derwood,
Maryland', '2011', 'Anti-Immigrant');
insert into hategroup_t values('Legal Immigrants for America', 0, 'Winter
Springs, Florida', '2015', 'Anti-Immigrant');

```

```

insert into hategroup_t values('American Vision', 0, 'Powder Springs,
Georgia', '1978', 'Anti-LGBT');
insert into hategroup_t values('D. James Kennedy Ministries', 0, 'Fort
Lauderdale, Florida', '1974', 'Anti-LGBT');
insert into hategroup_t values('Illinois Family Institute', 0, 'Carol

```



```

Stream, Illinois', '1990', 'Anti-LGBT');
insert into hategroup_t values('Generations', 0, 'Elizabeth, Colorado',
'2008', 'Anti-LGBT');
insert into hategroup_t values('All Scripture Baptist Church', 0,
'Knoxville, Tennessee', '2017', 'Anti-LGBT');

insert into hategroup_t values('American Freedom Law Center', 0, 'Ann
Arbor, Michigan', '2012', 'Anti-Muslim');
insert into hategroup_t values('Last Chance Patriots', 0, 'Dayton,
Montana', '2015', 'Anti-Muslim');
insert into hategroup_t values('The Straight Way', 0, 'Marble Hill,
Missouri', '2001', 'Anti-Muslim');
insert into hategroup_t values('Proclaiming Justice to the Nations', 0,
'Franklin, Tennessee', '2005', 'Anti-Muslim');
insert into hategroup_t values('ACT for America', 0, 'Washington, D.C.',
'2007', 'Anti-Muslim');

insert into hategroup_t values('Black Riders Liberation Party', 2, 'Los
Angeles, California', '1996', 'Black Separatist');
insert into hategroup_t values('Nation of Islam', 3, 'Chicago, Illinois',
'1930', 'Black Separatist');
insert into hategroup_t values('New Black Panther Party', 2, 'Houston,
Texas', '1989', 'Black Separatist');
insert into hategroup_t values('War on the Horizon', 0, 'Washington, D.C.',
'2005', 'Black Separatist');
insert into hategroup_t values('Watchmen for Israel', 0, 'Baltimore,
Maryland', '2015', 'Black Separatist');

insert into hategroup_t values('Christian Revival Center', 0, 'Harrison,
Arkansas', '1990', 'Christian Identity');
insert into hategroup_t values('Our Place Fellowship', 0, 'Colville,
Washington', '2000', 'Christian Identity');
insert into hategroup_t values('Fellowship of God's Covenant People', 0,
'Union, Kentucky', '1987', 'Christian Identity');
insert into hategroup_t values('Christogenea', 0, 'Panama City, Florida',
'1997', 'Christian Identity');
insert into hategroup_t values('Church of Israel', 0, 'Schnell City,
Missouri', '1972', 'Christian Identity');

insert into hategroup_t values('A2Z Publications', 0, 'Las Vegas, Nevada',
'2015', 'General Hate');
insert into hategroup_t values('Hell Shaking Street Preachers', 2,

```

```
'Portland, Oregon', '2017', 'General Hate');
insert into hategroup_t values('Sharkhunters International', 0, 'Hernando,
Florida', '1999', 'General Hate');
insert into hategroup_t values('Chick Publications', 0, 'Ontario,
California', '1966', 'General Hate');
insert into hategroup_t values('All Eyes on Egypt', 0, 'Macon, Georgia',
'1993', 'General Hate');
```

```
insert into hategroup_t values('Hostile Class Productions', 0, 'Burbank,
Illinois', '1992', 'Hate Music');
insert into hategroup_t values('MSR Productions', 0, 'Wheat Ridge,
Colorado', '1988', 'Hate Music');
insert into hategroup_t values('Label 56', 1, 'Baltimore, Maryland',
'2012', 'Hate Music');
insert into hategroup_t values('Tightrope', 0, 'Calico Rock, Arkansas',
'2004', 'Hate Music');
insert into hategroup_t values('United Riot Records', 0, 'New York, New
York', '2009', 'Hate Music');
```

```
insert into hategroup_t values('American Freedom Party', 3, 'Los Angeles,
California', '2010', 'White Nationalist');
insert into hategroup_t values('American Identity Movement', 0, 'Harpers
Ferry, West Virginia', '2016', 'White Nationalist');
insert into hategroup_t values('The Right Stuff', 2, 'Hopewell Junction,
New York', '2012', 'White Nationalist');
insert into hategroup_t values('Real Republic of Florida', 1, 'Tallahassee,
Florida', '2014', 'White Nationalist');
insert into hategroup_t values('Faith and Heritage', 44, 'Killeen, Texas',
'1990', 'White Nationalist');
insert into hategroup_t values('Knights of the Ku Klux Klan', 16,
'Harrison, Arkansas', '1975', 'White Nationalist');
```

```
insert into hategroup_t values('Catholic Apologetics International', 0,
'Greencastle, Pennsylvania', '2004', 'Radical Traditional Catholicism');
insert into hategroup_t values('Christ or Chaos', 0, 'West Chester, Ohio',
'1996', 'Radical Traditional Catholicism');
insert into hategroup_t values('Slaves of the Immaculate Heart of Mary', 3,
'Still River, Massachusetts', '1953', 'Radical Traditional Catholicism');
insert into hategroup_t values('The Fatima Crusader', 2, 'Buffalo, New
York', '1977', 'Radical Traditional Catholicism');
insert into hategroup_t values('In the Spirit of Chartres Committee', 0,
'Glenelg, Maryland', '1999', 'Radical Traditional Catholicism');
```

```

insert into hategroup_t values('AC Skins', 2, 'Atlantic City, New Jersey',
'1986', 'Racist Skinhead');
insert into hategroup_t values('American Defense Skinhead', 7, 'Statewide,
Illinois', '2015', 'Racist Skinhead');
insert into hategroup_t values('Blood and Honour Social Club', 3, 'Raleigh,
North Carolina', '1987', 'Racist Skinhead');
insert into hategroup_t values('Be Active Front USA', 0, 'Philadelphia,
Pennsylvania', '2013', 'Racist Skinhead');
insert into hategroup_t values('Golden State Skinhead', 8, 'Northern,
California', '2009', 'Racist Skinhead');

```

```

insert into hategroup_t values('Asatru Folk Assembly', 0, 'Brownsville,
California', '1994', 'Neo-Volkisch');
insert into hategroup_t values('The Heathen Coalition', 0, 'Milwaukee,
Wisconsin', '2015', 'Neo-Volkisch');
insert into hategroup_t values('Wolves of Vinland', 1, 'Lynchburg,
Virginia', '2017', 'Neo-Volkisch');
insert into hategroup_t values('Wotan's Nation', 2, 'Decatur, Tennessee',
'1990', 'Neo-Volkisch');
insert into hategroup_t values('Woden's Folk Kindred', 3, 'Waxahachie,
Texas', '2013', 'Neo-Volkisch');

```

```

insert into hategroup_t values('National Alliance', 15, 'Laurel Bloomery,
Tennessee', '1974', 'Neo-Nazi');
insert into hategroup_t values('National Socialist Movement', 2,
'Kissimmee, Florida', '1994', 'Neo-Nazi');
insert into hategroup_t values('National Socialist Liberation Front', 3,
'Montgomery, Alabama', '1969', 'Neo-Nazi');
insert into hategroup_t values('American Nazi Party', 30, 'Statewide, New
Hampshire', '1965', 'Neo-Nazi');
insert into hategroup_t values('Atomwaffen Division', 11, 'Statewide,
Colorado', '2015', 'Neo-Nazi');

```

```

insert into hategroup_t values('League of the South', 12, 'Killen,
Alabama', '1994', 'Neo-Confederate');
insert into hategroup_t values('Dixie Republic', 1, 'Travelers Rest, South
Carolina', '2003', 'Neo-Confederate');
insert into hategroup_t values('Identity Dixie', 2, 'Cookeville,
Tennessee', '2015', 'Neo-Confederate');
insert into hategroup_t values('Southern Revivalism', 2, 'Statewide, North
Carolina', '1995', 'Neo-Confederate');

```

```
insert into hategroup_t values('Heirs to the Confederacy', 16, 'Asheboro,
North Carolina','1992', 'Neo-Confederate');
```

```
insert into hategroup_t values('A Voice For Men', 3, 'Houston, Texas',
'2009', 'Male Supremacy');
```

```
insert into hategroup_t values('Institute for Historical Review', 0,
'Newport Beach, California', '1978', 'Holocaust Denial');
insert into hategroup_t values('Committee for Open Debate on the
Holocaust', 0, 'Mill Valley, California', '1987', 'Holocaust Denial');
insert into hategroup_t values('Barnes Review', 0, 'Upper Marlboro,
Maryland', '1994', 'Holocaust Denial');
commit;
```

```
drop table if exists hategroupstate_t;
```

```
create table hategroupstate_t(
  groupName      varchar(50) not null, /*need to make state into stateName
to avoid SQL errors */
  stateName      varchar(21) not null,
  constraint hategroupstate_pk primary key(groupName, stateName),
  constraint hategroupstate_fk1 foreign key(groupName) references
hategroup_t(name));
```

```
insert into hategroupstate_t values('American Border Patrol', 'Arizona');
insert into hategroupstate_t values('A Voice for Men', 'Texas');
insert into hategroupstate_t values('Americans for Legal Immigration',
'Texas');
insert into hategroupstate_t values('A2Z Publications', 'Nevada');
insert into hategroupstate_t values('AC Skins', 'New Jersey');
insert into hategroupstate_t values('AC Skins', 'California');
insert into hategroupstate_t values('ACT for America','New Hampshire');
insert into hategroupstate_t values('AC Skins', 'Nebraska');
insert into hategroupstate_t values('ACT for America', 'Massachusetts');
insert into hategroupstate_t values('ACT for America', 'Connecticut');
insert into hategroupstate_t values('ACT for America', 'New York');
insert into hategroupstate_t values('ACT for America', 'Pennsylvania');
insert into hategroupstate_t values('ACT for America', 'Ohio');
insert into hategroupstate_t values('ACT for America', 'West Virginia');
insert into hategroupstate_t values('ACT for America', 'Tennessee');
insert into hategroupstate_t values('ACT for America', 'Florida');
insert into hategroupstate_t values('ACT for America', 'Louisiana');
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insert into hategroupstate_t values('ACT for America', 'Arkansas');
insert into hategroupstate_t values('ACT for America', 'Missouri');
insert into hategroupstate_t values('ACT for America', 'Indiana');
insert into hategroupstate_t values('ACT for America', 'Illinois');
insert into hategroupstate_t values('ACT for America', 'Wisconsin');
insert into hategroupstate_t values('ACT for America', 'Montana');
insert into hategroupstate_t values('ACT for America', 'Oregon');
insert into hategroupstate_t values('ACT for America', 'California');
insert into hategroupstate_t values('ACT for America', 'Arizona');
insert into hategroupstate_t values('ACT for America', 'Texas');
insert into hategroupstate_t values('All Eyes on Egypt', 'Georgia');
insert into hategroupstate_t values('All Scripture Baptist Church',
'Tennessee');
insert into hategroupstate_t values('American Defense Skinhead',
'Illinois');
insert into hategroupstate_t values('American Defense Skinhead',
'Pennsylvania');
insert into hategroupstate_t values('American Freedom Law Center',
'Michigan');
insert into hategroupstate_t values('American Freedom Party',
'California');
insert into hategroupstate_t values('American Freedom Party', 'New York');
insert into hategroupstate_t values('American Freedom Party', 'North
Dakota');
insert into hategroupstate_t values('American Freedom Party', 'Wisconsin');
insert into hategroupstate_t values('American Freedom Party', 'Florida');
insert into hategroupstate_t values('American Freedom Party', 'Texas');
insert into hategroupstate_t values('American Identity Movement', 'West
Virginia');
insert into hategroupstate_t values('American Identity Movement',
'Missouri');
insert into hategroupstate_t values('American Identity Movement', 'South
Dakota');
insert into hategroupstate_t values('American Identity Movement',
'Wyoming');
insert into hategroupstate_t values('American Identity Movement',
'Wisconsin');
insert into hategroupstate_t values('American Identity Movement',
'Montana');
insert into hategroupstate_t values('American Identity Movement',
'Indiana');
insert into hategroupstate_t values('American Identity Movement',

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'Oklahoma');
insert into hategroupstate_t values('American Identity Movement', 'Ohio');
insert into hategroupstate_t values('American Identity Movement',
'Kentucky');
insert into hategroupstate_t values('American Identity Movement',
'Connecticut');
insert into hategroupstate_t values('American Identity Movement',
'Arizona');
insert into hategroupstate_t values('American Identity Movement',
'Minnesota');
insert into hategroupstate_t values('American Identity Movement',
'Oregon');
insert into hategroupstate_t values('American Identity Movement', 'North
Carolina');
insert into hategroupstate_t values('American Identity Movement',
'Georgia');
insert into hategroupstate_t values('American Identity Movement',
'Florida');
insert into hategroupstate_t values('American Identity Movement',
'Michigan');
insert into hategroupstate_t values('American Identity Movement', 'New
Jersey');
insert into hategroupstate_t values('American Identity Movement',
'Tennessee');
insert into hategroupstate_t values('American Identity Movement', 'New
York');
insert into hategroupstate_t values('American Identity Movement',
'Maryland');
insert into hategroupstate_t values('American Identity Movement',
'Pennsylvania');
insert into hategroupstate_t values('American Identity Movement',
'Virginia');
insert into hategroupstate_t values('American Identity Movement',
'Louisiana');
insert into hategroupstate_t values('American Identity Movement',
'California');
insert into hategroupstate_t values('American Identity Movement',
'Colorado');
insert into hategroupstate_t values('American Identity Movement',
'Illinois');
insert into hategroupstate_t values('American Identity Movement', 'Utah');
insert into hategroupstate_t values('American Identity Movement',
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'Washington');
insert into hategroupstate_t values('American Identity Movement', 'D.C.');
```

```

insert into hategroupstate_t values('American Nazi Party', 'South
Carolina');
```

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insert into hategroupstate_t values('American Nazi Party', 'New
Hampshire');
```

```

insert into hategroupstate_t values('American Nazi Party', 'Ohio');
```

```

insert into hategroupstate_t values('American Nazi Party', 'California');
```

```

insert into hategroupstate_t values('American Vision', 'Georgia');
```

```

insert into hategroupstate_t values('Americans for Legal Immigration',
'North Carolina');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'California');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Utah');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Tennessee');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Washington');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Kentucky');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Idaho');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'South
Carolina');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Florida');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Indiana');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Oregon');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Missouri');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Colorado');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly',
'Massachusetts');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Texas');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Virginia');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'North
Carolina');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Alaska');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Ohio');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly',
'Pennsylvania');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Georgia');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'North
Dakota');
```

```

insert into hategroupstate_t values('Asatru Folk Assembly', 'Minnesota');
```

```

insert into hategroupstate_t values('Atomwaffen Division', 'Colorado');
```

```

insert into hategroupstate_t values('Atomwaffen Division', 'Maryland');
```

```

insert into hategroupstate_t values('Atomwaffen Division', 'Virginia');
```

```

insert into hategroupstate_t values('Atomwaffen Division', 'California');
```

```

insert into hategroupstate_t values('Atomwaffen Division', 'New Jersey');
insert into hategroupstate_t values('Atomwaffen Division', 'Washington');
insert into hategroupstate_t values('Atomwaffen Division', 'Florida');
insert into hategroupstate_t values('Atomwaffen Division', 'Texas');
insert into hategroupstate_t values('Barnes Review', 'Maryland');
insert into hategroupstate_t values('Be Active Front USA', 'Maryland');
insert into hategroupstate_t values('Be Active Front USA', 'Pennsylvania');
insert into hategroupstate_t values('Black Riders Liberation Party',
'California');
insert into hategroupstate_t values('Black Riders Liberation Party',
'Nevada');
insert into hategroupstate_t values('Black Riders Liberation Party', 'New
York');
insert into hategroupstate_t values('Black Riders Liberation Party',
'Oregon');
insert into hategroupstate_t values('Blood and Honour Social Club', 'North
Carolina');
insert into hategroupstate_t values('Blood and Honour Social Club',
'Missouri');
insert into hategroupstate_t values('Blood and Honour Social Club',
'Virginia');
insert into hategroupstate_t values('Blood and Honour Social Club',
'Michigan');
insert into hategroupstate_t values('Blood and Honour Social Club',
'Ohio');
insert into hategroupstate_t values('Blood and Honour Social Club',
'Indiana');
insert into hategroupstate_t values('Blood and Honour Social Club', 'New
York');
insert into hategroupstate_t values('Blood and Honour Social Club',
'Pennsylvania');
insert into hategroupstate_t values('Californians for Population
Stabilization', 'California');
insert into hategroupstate_t values('Catholic Apologetics International',
'Pennsylvania');
insert into hategroupstate_t values('Chick Publications', 'California');
insert into hategroupstate_t values('Christ or Chaos', 'Ohio');
insert into hategroupstate_t values('Christian Revival Center',
'Arkansas');
insert into hategroupstate_t values('Christogenea', 'Florida');
insert into hategroupstate_t values('Church of Israel', 'Missouri');
insert into hategroupstate_t values('Committee for Open Debate on the

```



```

Holocaust', 'California');
insert into hategroupstate_t values('Committee for Open Debate on the
Holocaust', 'Pennsylvania');
insert into hategroupstate_t values('D. James Kennedy Ministries',
'Florida');
insert into hategroupstate_t values('Dixie Republic', 'South Carolina');
insert into hategroupstate_t values('Faith and Heritage', 'Texas');
insert into hategroupstate_t values('Fellowship of God''s Covenant People',
'Kentucky');
insert into hategroupstate_t values('Generations', 'Colorado');
insert into hategroupstate_t values('Golden State Skinhead', 'California');
insert into hategroupstate_t values('Heirs to the Confederacy', 'North
Carolina');
insert into hategroupstate_t values('Hell Shaking Street Preachers',
'Oregon');
insert into hategroupstate_t values('Help Save Maryland', 'Maryland');
insert into hategroupstate_t values('Hostile Class Productions',
'Illinois');
insert into hategroupstate_t values('Identity Dixie', 'Louisiana');
insert into hategroupstate_t values('Identity Dixie', 'Texas');
insert into hategroupstate_t values('Identity Dixie', 'Georgia');
insert into hategroupstate_t values('Identity Dixie', 'Florida');
insert into hategroupstate_t values('Identity Dixie', 'North Carolina');
insert into hategroupstate_t values('Identity Dixie', 'Tennessee');
insert into hategroupstate_t values('Identity Dixie', 'Virginia');
insert into hategroupstate_t values('Illinois Family Institute',
'Illinois');
insert into hategroupstate_t values('In the Spirit of Chartres Committee',
'Maryland');
insert into hategroupstate_t values('Institute for Historical Review',
'California');
insert into hategroupstate_t values('Knights of the Ku Klux Klan',
'Arkansas');
insert into hategroupstate_t values('Label 56', 'Maryland');
insert into hategroupstate_t values('Last Chance Patriots', 'Montana');
insert into hategroupstate_t values('League of the South', 'Alabama');
insert into hategroupstate_t values('League of the South', 'Georgia');
insert into hategroupstate_t values('League of the South', 'Virginia');
insert into hategroupstate_t values('League of the South', 'Tennessee');
insert into hategroupstate_t values('League of the South', 'Arkansas');
insert into hategroupstate_t values('League of the South', 'Mississippi');
insert into hategroupstate_t values('League of the South', 'Florida');

```

```

insert into hategroupstate_t values('League of the South', 'Kentucky');
insert into hategroupstate_t values('Legal Immigrants for America',
'Florida');
insert into hategroupstate_t values('MSR Productions', 'Colorado');
insert into hategroupstate_t values('Nation of Islam', 'Illinois');
insert into hategroupstate_t values('Nation of Islam', 'Ohio');
insert into hategroupstate_t values('Nation of Islam', 'Georgia');
insert into hategroupstate_t values('Nation of Islam', 'Texas');
insert into hategroupstate_t values('Nation of Islam', 'Alabama');
insert into hategroupstate_t values('Nation of Islam', 'New York');
insert into hategroupstate_t values('Nation of Islam', 'New Jersey');
insert into hategroupstate_t values('Nation of Islam', 'North Carolina');
insert into hategroupstate_t values('Nation of Islam', 'Tennessee');
insert into hategroupstate_t values('Nation of Islam', 'South Carolina');
insert into hategroupstate_t values('Nation of Islam', 'California');
insert into hategroupstate_t values('Nation of Islam', 'Colorado');
insert into hategroupstate_t values('Nation of Islam', 'Michigan');
insert into hategroupstate_t values('Nation of Islam', 'Massachusetts');
insert into hategroupstate_t values('Nation of Islam', 'Florida');
insert into hategroupstate_t values('Nation of Islam', 'Indiana');
insert into hategroupstate_t values('Nation of Islam', 'Missouri');
insert into hategroupstate_t values('Nation of Islam', 'Kentucky');
insert into hategroupstate_t values('Nation of Islam', 'Wisconsin');
insert into hategroupstate_t values('Nation of Islam', 'Louisiana');
insert into hategroupstate_t values('Nation of Islam', 'Virginia');
insert into hategroupstate_t values('Nation of Islam', 'Arkansas');
insert into hategroupstate_t values('Nation of Islam', 'Oklahoma');
insert into hategroupstate_t values('Nation of Islam', 'Pennsylvania');
insert into hategroupstate_t values('Nation of Islam', 'Arizona');
insert into hategroupstate_t values('Nation of Islam', 'D.C. ');
insert into hategroupstate_t values('Nation of Islam', 'Delaware');
insert into hategroupstate_t values('National Alliance', 'Tennessee');
insert into hategroupstate_t values('National Alliance', 'Iowa');
insert into hategroupstate_t values('National Alliance', 'West Virginia');
insert into hategroupstate_t values('National Socialist Liberation Front',
'Pennsylvania');
insert into hategroupstate_t values('National Socialist Liberation Front',
'Georgia');
insert into hategroupstate_t values('National Socialist Liberation Front',
'New York');
insert into hategroupstate_t values('National Socialist Liberation Front',
'Alabama');

```

```

insert into hategroupstate_t values('National Socialist Movement',
'Florida');
insert into hategroupstate_t values('National Socialist Movement',
'Connecticut');
insert into hategroupstate_t values('National Socialist Movement',
'Vermont');
insert into hategroupstate_t values('National Socialist Movement',
'Missouri');
insert into hategroupstate_t values('National Socialist Movement',
'Tennessee');
insert into hategroupstate_t values('National Socialist Movement',
'Pennsylvania');
insert into hategroupstate_t values('National Socialist Movement',
'Kentucky');
insert into hategroupstate_t values('National Socialist Movement',
'Illinois');
insert into hategroupstate_t values('National Socialist Movement',
'Michigan');
insert into hategroupstate_t values('National Socialist Movement',
'Arizona');
insert into hategroupstate_t values('New Black Panther Party', 'Texas');
insert into hategroupstate_t values('New Black Panther Party', 'Georgia');
insert into hategroupstate_t values('New Black Panther Party',
'Louisiana');
insert into hategroupstate_t values('New Black Panther Party', 'Ohio');
insert into hategroupstate_t values('Our Place Fellowship', 'Washington');
insert into hategroupstate_t values('Proclaiming Justice to the Nations',
'Tennessee');
insert into hategroupstate_t values('Real Republic of Florida', 'Florida');
insert into hategroupstate_t values('Sharkhunters International',
'Florida');
insert into hategroupstate_t values('Slaves of the Immaculate Heart of
Mary', 'Massachusetts');
insert into hategroupstate_t values('Southern Revivalism', 'North
Carolina');
insert into hategroupstate_t values('The Fatima Crusader', 'New York');
insert into hategroupstate_t values('The Heathen Coalition', 'Wisconsin');
insert into hategroupstate_t values('The Right Stuff', 'New York');
insert into hategroupstate_t values('The Right Stuff', 'South Dakota');
insert into hategroupstate_t values('The Right Stuff', 'Wisconsin');
insert into hategroupstate_t values('The Right Stuff', 'Colorado');
insert into hategroupstate_t values('The Right Stuff', 'North Carolina');

```

```

insert into hategroupstate_t values('The Right Stuff', 'Alabama');
insert into hategroupstate_t values('The Right Stuff', 'Minnesota');
insert into hategroupstate_t values('The Right Stuff', 'Florida');
insert into hategroupstate_t values('The Right Stuff', 'Pennsylvania');
insert into hategroupstate_t values('The Right Stuff', 'Nevada');
insert into hategroupstate_t values('The Right Stuff', 'California');
insert into hategroupstate_t values('The Right Stuff', 'Tennessee');
insert into hategroupstate_t values('The Right Stuff', 'D.C.');
```

```

insert into hategroupstate_t values('The Straight Way', 'Missouri');
insert into hategroupstate_t values('Tightrope', 'Arkansas');
insert into hategroupstate_t values('United Riot Records', 'New York');
insert into hategroupstate_t values('War on the Horizon', 'D.C.');
```

```

insert into hategroupstate_t values('Watchmen for Israel', 'Maryland');
insert into hategroupstate_t values('Woden''s Folk Kindred', 'Texas');
insert into hategroupstate_t values('Wolves of Vinland', 'Virginia');
insert into hategroupstate_t values('Wolves of Vinland', 'Alabama');
insert into hategroupstate_t values('Wolves of Vinland', 'Pennsylvania');
insert into hategroupstate_t values('Wolves of Vinland', 'Florida');
insert into hategroupstate_t values('Wolves of Vinland', 'South Carolina');
insert into hategroupstate_t values('Wolves of Vinland', 'Tennessee');
insert into hategroupstate_t values('Wolves of Vinland', 'Washington');
insert into hategroupstate_t values('Wotan''s Nation', 'Tennessee');
insert into hategroupstate_t values('Wotan''s Nation', 'Arizona');
insert into hategroupstate_t values('Wotan''s Nation', 'Mississippi');
insert into hategroupstate_t values('Wotan''s Nation', 'Pennsylvania');
commit;
```

```
drop table if exists hategroupcollab_t;
```

```

create table hategroupcollab_t(
    hateGroupName          varchar(50) not null,
    collabGroupName        varchar(50) not null,
    constraint hategroupcollab_pk primary key(hateGroupName,
collabGroupName),
    constraint hategroupcollab_fk1 foreign key(hateGroupName) references
hategroup_t(name),
    constraint hategroupcollab_fk2 foreign key(collabGroupName) references
hategroup_t(name));
```

```

insert into hategroupcollab_t values('Wolves of Vinland', 'Wotan''s
Nation');
insert into hategroupcollab_t values('Woden''s Folk Kindred', 'Wolves of
```

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Vinland');
insert into hategroupcollab_t values('National Socialist Movement',
'National Socialist Liberation Front');
insert into hategroupcollab_t values('Barnes Review', 'Institute for
Historical Review');
insert into hategroupcollab_t values('League of the South', 'Dixie
Republic');
insert into hategroupcollab_t values('AC Skins', 'Blood and Honour Social
Club');
insert into hategroupcollab_t values('Christ or Chaos', 'The Fatima
Crusader');
insert into hategroupcollab_t values('American Freedom Party', 'The Right
Stuff');
insert into hategroupcollab_t values('A2Z Publications', 'Chick
Publications');
insert into hategroupcollab_t values('Christogenea', 'Church of Israel');
insert into hategroupcollab_t values('Nation of Islam', 'New Black Panther
Party');
insert into hategroupcollab_t values('ACT for America', 'Last Chance
Patriots');
insert into hategroupcollab_t values('Generations', 'American Vision');
insert into hategroupcollab_t values('Legal Immigrants for America',
'Americans for Legal Immigration');
insert into hategroupcollab_t values('Nation of Islam', 'Black Riders
Liberation Party');
insert into hategroupcollab_t values('ACT for America', 'The Straight
Way');
insert into hategroupcollab_t values('American Nazi Party', 'Atomwaffen
Division');
insert into hategroupcollab_t values('League of the South', 'Heirs to the
Confederacy');
insert into hategroupcollab_t values('Knights of the Ku Klux Klan',
'American Freedom Party');
insert into hategroupcollab_t values('Knights of the Ku Klux Klan', 'League
of the South');
commit;

drop table if exists leader_t;

create table leader_t(
    hateGroupName varchar(50) not null,
    dob date not null,

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    residentState varchar(21),
    name          varchar(35) not null,
    constraint leader_pk primary key(hateGroupName, dob, name),
    constraint leader_fk1 foreign key(hateGroupName) references
hategroup_t(name));

insert into leader_t values('A Voice for Men', '1957-02-08', 'Texas', 'Paul
Elam');
insert into leader_t values('A2Z Publications', '1938-10-23', 'Florida',
'Adrian Krieg');
insert into leader_t values('AC Skins', '1971-02-04', 'New Jersey', 'Bryan
Bradley');
insert into leader_t values('ACT for America', '1964-10-21', 'D.C.',
'Brigitte Gabriel');
insert into leader_t values('All Scripture Baptist Church', '1987-05-10',
'Tennessee', 'Grayson Fitts');
insert into leader_t values('American Border Patrol', '1938-07-15',
'Arizona', 'Glenn Spencer');
insert into leader_t values('American Freedom Law Center', '1956-09-29',
'Michigan', 'David Yerushalmi');
insert into leader_t values('American Freedom Law Center', '1965-08-05',
'Michigan', 'Robert Muise');
insert into leader_t values('American Freedom Party', '1954-09-02',
'California', 'William Daniel Johnson');
insert into leader_t values('American Identity Movement', '1986-11-22',
'West Virginia', 'Patrick Casey');
insert into leader_t values('American Nazi Party', '1952-02-18',
'Michigan', 'Rocky Suhayda');
insert into leader_t values('American Vision', '1976-03-16', 'Georgia',
'Joel McDurmon');
insert into leader_t values('Americans for Legal Immigration',
'1978-05-19', 'North Carolina', 'William Gheen');
insert into leader_t values('Asatru Folk Assembly', '1948-10-05',
'California', 'Stephen McNallen');
insert into leader_t values('Atomwaffen Division', '1952-07-25',
'Colorado', 'James Mason');
insert into leader_t values('Black Riders Liberation Party', '1973-11-01',
'California', 'Mischa Culton' );
insert into leader_t values('Catholic Apologetics International',
'1955-09-13', 'Pennsylvania', 'Robert Sungenis');
insert into leader_t values('Chick Publications', '1965-07-28',
'California', 'David Daniels');

```



```

insert into leader_t values('Christ or Chaos', '1951-11-24', 'Ohio',
'Thomas Droleskey');
insert into leader_t values('Christian Revival Center', '1946-02-17',
'Arkansas', 'Thomas Robb');
insert into leader_t values('Christogenea', '1959-08-23', 'Florida',
'William Finck');
insert into leader_t values('Church of Israel', '1945-01-25', 'Missouri',
'Dan Gayman');
insert into leader_t values('D. James Kennedy Ministries', '1942-07-25',
'Florida', 'Frank Wright');
insert into leader_t values('Heirs to the Confederacy', '1968-11-02',
'North Carolina', 'Lance Spivey');
insert into leader_t values('Hell Shaking Street Preachers', '1991-01-16',
'Oregon', 'Allen Pucket');
insert into leader_t values('Help Save Maryland', '1975-07-19', 'Maryland',
'Brad Botwin');
insert into leader_t values('Identity Dixie', '1981-08-13', 'Tennessee',
'Ben Faulkner');
insert into leader_t values('Illinois Family Institute', '1973-09-17',
'Illinois', 'David Smith');
insert into leader_t values('In the Spirit of Chartres Committee',
'1967-10-19', 'Maryland', 'Judith Sharpe');
insert into leader_t values('Institute for Historical Review',
'1982-06-23', 'California', 'Mark Weber');
insert into leader_t values('Knights of the Ku Klux Klan', '1946-02-17',
'Arkansas', 'Thomas Robb');
insert into leader_t values('Last Chance Patriots', '1948-04-23',
'Montana', 'Linda Sauer');
insert into leader_t values('Last Chance Patriots', '1952-05-17',
'Montana', 'Ed Kugler');
insert into leader_t values('League of the South', '1951-09-12', 'Alabama',
'Michael Hill');
insert into leader_t values('Legal Immigrants for America', '1975-03-14',
'Florida', 'Amapola Hansberger');
insert into leader_t values('Nation of Islam', '1933-05-11', 'Illinois',
'Louis Farrakhan');
insert into leader_t values('National Alliance', '1963-05-23', 'Tennessee',
'Erich Gliebe');
insert into leader_t values('National Socialist Liberation Front',
'1978-09-07', 'California', 'Steve Bowers');
insert into leader_t values('National Socialist Movement', '1982-02-24',
'Michigan', 'Burt Colucci');

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```

insert into leader_t values('New Black Panther Party', '1968-07-28',
'Texas', 'Krystal Muhammad');
insert into leader_t values('Our Place Fellowship', '1937-06-03',
'Washington', 'Dan Henry');
insert into leader_t values('Proclaiming Justice to the Nations',
'1974-12-16', 'Tennessee', 'Laurie Cardoza-Moore');
insert into leader_t values('Real Republic of Florida', '1984-11-24',
'Florida', 'Jordan Jereb');
insert into leader_t values('Sharkhunters International', '1944-05-19',
'Florida', 'Harry Cooper');
insert into leader_t values('The Right Stuff', '1977-02-15', 'New York',
'Mike Enoch');
insert into leader_t values('The Straight Way', '1978-04-25', 'Missouri',
'Usama Dakdok');
insert into leader_t values('Watchmen for Israel', '1981-06-10',
'Maryland', 'Jennipher Williams');
insert into leader_t values('Wolves of Vinland', '1984-09-26', 'Virginia',
'Matthias Waggener');
insert into leader_t values('Wotan''s Nation', '1972-06-21', 'Tennessee',
'Eric Meadows');
insert into leader_t values('Wotan''s Nation', '1975-11-18', 'Tennessee',
'Angela Johnson');
commit;

drop table if exists event_t;

create table event_t(
    eventID                int(6) not null,
    eType                  varchar(20), /*need to make type into eType
to avoid SQL errors */
    city                   varchar(15),
    stateName              varchar(15), /*need to make state into
stateName to avoid SQL errors */
    numOfAttendees         int(6),
    ideology               varchar(40) not null,
    constraint event_pk primary key(eventID),
    constraint event_fk1 foreign key(ideology) references
ideology_t(ideologyName));

insert into event_t values(123400, 'Conference', 'Burns', 'Tennessee', 150,
'Neo-Confederate');
insert into event_t values(123401, 'Gathering', 'Tazewell', 'Tennessee',

```



```

24, 'Neo-Nazi');
insert into event_t values(123402, 'Conference', 'Burns', 'Tennessee', 120,
'White Nationalist');
insert into event_t values(123403, 'Conference', 'Burns', 'Tennessee', 90,
'White Nationalist');
insert into event_t values(123404, 'Leadership summit', 'West Palm Beach',
'Florida', 350, 'White Nationalist');
insert into event_t values(123405, 'Demonstration', 'Cheyenne', 'Wyoming',
20, 'White Nationalist');
insert into event_t values(123406, 'Yule Celebration', 'Bastrop', 'Texas',
39, 'Neo-Volkisch');
insert into event_t values(123407, 'Fall Finding', 'Midlothian', 'Texas',
18, 'Neo-Volkisch');
insert into event_t values(123408, 'Protest', 'Detroit', 'Michigan', 10,
'Neo-Nazi');
insert into event_t values(123409, 'Flash demonstration', 'Nashville',
'Tennessee', 80, 'White Nationalist');
insert into event_t values(123410, 'Flash demonstration', 'Little Rock',
'Arkansas', 15, 'Neo-Confederate');
insert into event_t values(123411, 'Gathering', 'Madison', 'Georgia', 15,
'White Nationalist');
insert into event_t values(123412, 'Gathering', 'Madison', 'Georgia', 30,
'White Nationalist');
insert into event_t values(123413, 'Values Voter Summit', 'Washington',
'D.C.', 2000, 'Anti-Muslim');
insert into event_t values(123414, 'Tour Talk', 'Melbourne', 'Florida', 40,
'Anti-Muslim');
insert into event_t values(123415, 'Tour Talk', 'Winter Springs',
'Florida', 104, 'Anti-Muslim');
insert into event_t values(123416, 'Rally', 'Frederick', 'Maryland', 90,
'Anti-Immigrant');
insert into event_t values(123417, 'Rally', 'Rockville', 'Maryland', 32,
'Anti-Immigrant');
insert into event_t values(123418, 'Conference', 'Johnson City',
'Tennessee', 50, 'Anti-LGBT');
insert into event_t values(123419, 'Fall Banquet', 'Tinley Park',
'Illinois', 210, 'Anti-LGBT');
insert into event_t values(123420, 'Conference', 'Tinley Park', 'Illinois',
90, 'Anti-LGBT' );
insert into event_t values(123421, 'Worldview Conference', 'Mokena',
'Illinois', 50, 'Anti-LGBT');
insert into event_t values(123422, 'Court Appeal', 'Cincinnati', 'Ohio',

```

```

12, 'Anti-Muslim');
insert into event_t values(123423, 'Political gathering', 'Polson',
'Montana', 40, 'Anti-Muslim');
insert into event_t values(123424, 'Recruiting', 'Los Angeles',
'California', 30, 'Black Separatist');
insert into event_t values(123425, 'Conference', 'Merrillville', 'Indiana',
250, 'Christian Identity');
insert into event_t values(123426, 'Gathering', 'Ontario', 'California',
20, 'General Hate');
insert into event_t values(123427, 'Concert', 'DeLand', 'Florida', 70,
'Hate Music');
insert into event_t values(123428, 'Rally', 'Hanover', 'Virginia', 24,
'White Nationalist');
insert into event_t values(123429, 'Course', 'Phoenix', 'Arizona', 50,
'Radical Traditional Catholicism');
commit;

drop table if exists eventOrg_t;

create table eventOrg_t(
    hateGroupName      varchar(50) not null,
    eventID             int(6) not null,
    eventDate           date not null, /*need to make date into
eventDate to avoid SQL errors */
    constraint eventOrg_pk primary key(hateGroupName, eventID, eventDate),
    constraint eventOrg_fk1 foreign key(hateGroupName) references
hategroup_t(name),
    constraint eventOrg_fk2 foreign key(eventID) references
event_t(eventID));

insert into eventOrg_t values('American Freedom Party', 123400,
'2019-06-28');
insert into eventOrg_t values('League of the South', 123400, '2019-06-28');
insert into eventOrg_t values('American Identity Movement', 123400,
'2019-06-28');
insert into eventOrg_t values('National Socialist Movement', 123401,
'2019-04-09');
insert into eventOrg_t values('American Freedom Party', 123402,
'2019-08-20');
insert into eventOrg_t values('American Identity Movement', 123402,
'2019-08-20');
insert into eventOrg_t values('American Freedom Party', 123403,

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```

'2019-04-25');
insert into eventOrg_t values('American Identity Movement', 123404,
'2019-12-20');
insert into eventOrg_t values('American Identity Movement', 123405,
'2019-08-25');
insert into eventOrg_t values('Woden''s Folk Kindred', 123406,
'2019-12-07');
insert into eventOrg_t values('Woden''s Folk Kindred', 123407,
'2019-10-27');
insert into eventOrg_t values('National Socialist Movement', 123408,
'2019-06-08');
insert into eventOrg_t values('American Identity Movement', 123409,
'2019-03-10');
insert into eventOrg_t values('Be Active Front USA', 123409, '2019-03-10');
insert into eventOrg_t values('League of the South', 123410, '2019-05-26');
insert into eventOrg_t values('Knights of the Ku Klux Klan', 123411,
'2019-10-4');
insert into eventOrg_t values('Knights of the Ku Klux Klan', 123412,
'2019-10-5');
insert into eventOrg_t values('ACT for America', 123413, '2019-10-11');
insert into eventOrg_t values('ACT for America', 123413, '2019-10-12');
insert into eventOrg_t values('ACT for America', 123413, '2019-10-13');
insert into eventOrg_t values('ACT for America', 123414, '2019-03-28');
insert into eventOrg_t values('ACT for America', 123415, '2019-03-26');
insert into eventOrg_t values('Help Save Maryland', 123416, '2019-10-06');
insert into eventOrg_t values('Help Save Maryland', 123417, '2019-09-13');
insert into eventOrg_t values('American Vision', 123418, '2019-06-08');
insert into eventOrg_t values('Illinois Family Institute', 123419,
'2019-11-01');
insert into eventOrg_t values('Illinois Family Institute', 123420,
'2019-08-24');
insert into eventOrg_t values('Illinois Family Institute', 123421,
'2019-03-16');
insert into eventOrg_t values('American Freedom Law Center',
123422, '2019-12-13');
insert into eventOrg_t values('Last Chance Patriots', 123423,
'2019-10-20');
insert into eventOrg_t values('Black Riders Liberation Party', 123424,
'2019-05-31');
insert into eventOrg_t values('Christian Revival Center', 123425,
'2019-11-03');
insert into eventOrg_t values('Chick Publications', 123426, '2019-12-29');

```

```

insert into eventOrg_t values('United Riot Records', 123427, '2019-06-30');
insert into eventOrg_t values('Knights of the Ku Klux Klan', 123428,
'2019-07-06');
insert into eventOrg_t values('Catholic Apologetics International', 123429,
'2019-09-30');
commit;

```

Query/Update File

```

/* Hate Group Database */
/* Julie Sparks, Maria Morales, Jacob Buckelew, Miriam Scheinblum */
/* HateGroupQuery.sql is a script listing possible queries that can be
asked of the hate group database.*/

/* How many hate groups are there in each State (with the states ordered in
alphabetical order)? */

select stateName as 'State', count(groupName) as 'Number of hate groups'
from hategroupstate_t
group by stateName
order by stateName;

/* Which state has the most hate groups? */

select stateName as 'State with most hate groups'
from hategroupstate_t
group by stateName
order by count(groupName) desc limit 1;

/* What is the name of the hate group that was involved in the most events?
*/

select hateGroupName as 'Hate group most involved in events'
from eventOrg_t
group by hateGroupName
order by count(distinct eventID) desc limit 1;

/* Which type of event happened the most? */

select eType as 'Most recurrent event type'

```

```

from event_t
group by eType
order by count(eventID) desc limit 1;

/* How many hate groups follow each ideology, in alphabetical order? */

select ideology as 'Ideology', count(name) as 'Number of Groups'
from hategroup_t
group by ideology
order by ideology;

/* Which hate groups collaborated with Nation of Islam? */

select collabGroupName as 'Nation of Islam Collaborators'
from hategroupcollab_t
where hateGroupName = 'Nation of Islam';

/* What are the names of the hate groups with leaders from Florida, in
alphabetical order? */

select hateGroupName as 'Groups with Leaders from Florida'
from leader_t
where residentState = 'Florida'
order by hateGroupName;

/* Which hate groups have at least two leaders, in alphabetical order? */

select hateGroupName as 'Groups with 2 or more Leaders'
from leader_t
group by hateGroupName
having count(hateGroupName)>=2
order by hateGroupName;

/* What are the names and years founded of all the hate groups founded
after 2015, in alphabetical order? */

select name as 'Hate Group founded after 2015', yearFounded as 'Year
founded'
from hategroup_t
where yearFounded > 2015
order by name;

```

```
/* Which ideologies have a bias type of anti-semitism, in alphabetical
order? */
```

```
select ideologyName as 'Ideology with anti-semitism bias'
from ideology_t
where biasType = 'anti-semitism'
order by ideologyName;
```

```
/* How many events, if any, were held for each ideology? */
```

```
select ideology as 'Ideology', count(eventID) as 'Number of events held'
from event_t
group by ideology;
```

```
/* Which hate groups have names that include America or American, in
alphabetical order? */
```

```
select name as 'Groups with America in Name'
from hategroup_t
where name like '%America%'
order by name;
```

```
/* Which hate groups operate in the Pacific Northwest (CA, OR, WA)? */
```

```
select distinct groupName as 'Groups Operating in Pacific Northwest (CA,
OR, WA)'
from hategroupstate_t
where stateName in ('California', 'Oregon', 'Washington');
```

```
/* In what city and state was the event with ID 123409? */
```

```
select city, stateName
from event_t
where eventID = 123409;
```

```
/* From which states are the hate groups that participated in the event
with ID 123409, in alphabetical order? */
```

```
select distinct stateName
from hategroupstate_t, hategroup_t, eventorg_t
where eventID = 123409 AND hateGroupName = name AND name = groupName
```

```

order by stateName;

/* Find all information for events held by the Illinois Family Institute.
*/

select event_t.*, hateGroupName, eventDate
from eventOrg_t, event_t
where hateGroupName = 'Illinois Family Institute' AND event_t.eventID =
eventOrg_t.eventID;

/* Find the average number of attendees for all conferences. */

select AVG(numOfAttendees) as 'Average Number of Conference Attendees'
from event_t
where eType = 'Conference';

/* What is the bias type of the group led by Laurie Cardoza-Moore? */

select biasType
from ideology_t, hategroup_t, leader_t
where leader_t.name = 'Laurie Cardoza-Moore' AND hateGroupName =
hategroup_t.name AND ideology = ideologyName;

/* How many events were held in October of 2019? */

select count(eventID) as 'Events in October, 2019'
from eventOrg_t
where eventDate like '2019-10-%';

/* What are the names of the leaders whose groups held events with over 100
attendees? */

select distinct name as 'Leader Names'
from leader_t as L, eventOrg_t as Org, event_t as E
where L.hateGroupName = Org.hateGroupName AND Org.eventID = E.eventID AND
numOfAttendees > 100;

```

```
/* Paul Elam, leader of A Voice for Men, has decided to take a break and
pass on the leadership role to Mike Cernovich, update the database
accordingly */
```

```
update leader_t
  set name = 'Mike Cernovich'
  where name = 'Paul Elam';
```

```
/* All hategroups with neo-nazi ideologies were involved on a crime
recently, adding 1 more to their list, update their data accordingly */
```

```
update hategroup_t
  set numOfCrimes = numOfCrimes + 1
  where ideology = 'Neo-Nazi';
```

Database Schemas

This section includes screenshots of the schemas of all of the relations in our database.

```
[mysql> show tables;
```

```
+-----+
| Tables_in_hategroup_db |
+-----+
| event_t                |
| eventOrg_t             |
| hategroup_t            |
| hategroupcollab_t      |
| hategroupstate_t       |
| ideology_t             |
| leader_t               |
+-----+
7 rows in set (0.00 sec)
```

All tables in the hategroup_db


```
mysql> describe event_t;
```

Field	Type	Null	Key	Default	Extra
eventID	int(6)	NO	PRI	NULL	
eType	varchar(20)	YES		NULL	
city	varchar(15)	YES		NULL	
stateName	varchar(15)	YES		NULL	
numOfAttendees	int(6)	YES		NULL	
ideology	varchar(40)	NO	MUL	NULL	

```
6 rows in set (0.01 sec)
```

Event_t schema

```
[mysql> describe eventorg_t;
```

Field	Type	Null	Key	Default	Extra
hateGroupName	varchar(50)	NO	PRI	NULL	
eventID	int(6)	NO	PRI	NULL	
eventDate	date	NO	PRI	NULL	

```
3 rows in set (0.00 sec)
```

Eventorg_t schema

```
mysql> describe hategroup_t;
```

Field	Type	Null	Key	Default	Extra
name	varchar(60)	NO	PRI	NULL	
numOfCrimes	int(6)	YES		NULL	
hq	varchar(32)	YES		NULL	
yearFounded	int(4)	YES		NULL	
ideology	varchar(50)	YES	MUL	NULL	

```
5 rows in set (0.01 sec)
```

Hategroup_t schema

```
[mysql> describe hategroupcollab_t;
```

Field	Type	Null	Key	Default	Extra
hateGroupName	varchar(50)	NO	PRI	NULL	
collabGroupName	varchar(50)	NO	PRI	NULL	

```
2 rows in set (0.00 sec)
```

Hategroupcollab_t schema

```
[mysql> describe hategroupstate_t;
```

Field	Type	Null	Key	Default	Extra
groupName	varchar(50)	NO	PRI	NULL	
stateName	varchar(21)	NO	PRI	NULL	

```
2 rows in set (0.02 sec)
```

Hategroupstate_t schema

```
mysql> describe ideology_t;
```

Field	Type	Null	Key	Default	Extra
ideologyName	varchar(50)	NO	PRI	NULL	
biasType	varchar(20)	NO		NULL	

```
2 rows in set (0.01 sec)
```

Ideology_t schema

```
mysql> describe leader_t;
```

Field	Type	Null	Key	Default	Extra
hateGroupName	varchar(50)	NO	PRI	NULL	
dob	date	NO	PRI	NULL	
residentState	varchar(21)	YES		NULL	
name	varchar(35)	NO	PRI	NULL	

```
4 rows in set (0.00 sec)
```

Leader_t schema

Database Populated Relations

This section has screenshots of all of the populated relations in our database.

```
mysql> select * from eventorg_t;
```

hateGroupName	eventID	eventDate
American Freedom Party	123400	2019-06-28
American Identity Movement	123400	2019-06-28
League of the South	123400	2019-06-28
National Socialist Movement	123401	2019-04-09
American Freedom Party	123402	2019-08-20
American Identity Movement	123402	2019-08-20
American Freedom Party	123403	2019-04-25
American Identity Movement	123404	2019-12-20
American Identity Movement	123405	2019-08-25
Woden's Folk Kindred	123406	2019-12-07
Woden's Folk Kindred	123407	2019-10-27
National Socialist Movement	123408	2019-06-08
American Identity Movement	123409	2019-03-10
Be Active Front USA	123409	2019-03-10
League of the South	123410	2019-05-26
Knights of the Ku Klux Klan	123411	2019-10-04
Knights of the Ku Klux Klan	123412	2019-10-05
ACT for America	123413	2019-10-11
ACT for America	123413	2019-10-12
ACT for America	123413	2019-10-13
ACT for America	123414	2019-03-28
ACT for America	123415	2019-03-26
Help Save Maryland	123416	2019-10-06
Help Save Maryland	123417	2019-09-13
American Vision	123418	2019-06-08
Illinois Family Institute	123419	2019-11-01
Illinois Family Institute	123420	2019-08-24
Illinois Family Institute	123421	2019-03-16
American Freedom Law Center	123422	2019-12-13
Last Chance Patriots	123423	2019-10-20
Black Riders Liberation Party	123424	2019-05-31
Christian Revival Center	123425	2019-11-03
Chick Publications	123426	2019-12-29
United Riot Records	123427	2019-06-30
Knights of the Ku Klux Klan	123428	2019-07-06
Catholic Apologetics International	123429	2019-09-30

36 rows in set (0.02 sec)

EventOrg_t populated table with 36 rows in total.


```
mysql> select* from event_t;
```

eventID	eType	city	stateName	numOfAttendees	ideology
123400	Conference	Burns	Tennessee	150	Neo-Confederate
123401	Gathering	Tazewell	Tennessee	24	Neo-Nazi
123402	Conference	Burns	Tennessee	120	White Nationalist
123403	Conference	Burns	Tennessee	90	White Nationalist
123404	Leadership summit	West Palm Beach	Florida	350	White Nationalist
123405	Demonstration	Cheyenne	Wyoming	20	White Nationalist
123406	Yule Celebration	Bastrop	Texas	39	Neo-Volkisch
123407	Fall Finding	Midlothian	Texas	18	Neo-Volkisch
123408	Protest	Detroit	Michigan	10	Neo-Nazi
123409	Flash demonstration	Nashville	Tennessee	80	White Nationalist
123410	Flash demonstration	Little Rock	Arkansas	15	Neo-Confederate
123411	Gathering	Madison	Georgia	15	White Nationalist
123412	Gathering	Madison	Georgia	30	White Nationalist
123413	Values Voter Summit	Washington	D.C.	2000	Anti-Muslim
123414	Tour Talk	Melbourne	Florida	40	Anti-Muslim
123415	Tour Talk	Winter Springs	Florida	104	Anti-Muslim
123416	Rally	Frederick	Maryland	90	Anti-Immigrant
123417	Rally	Rockville	Maryland	32	Anti-Immigrant
123418	Conference	Johnson City	Tennessee	50	Anti-LGBT
123419	Fall Banquet	Tinley Park	Illinois	210	Anti-LGBT
123420	Conference	Tinley Park	Illinois	90	Anti-LGBT
123421	Worldview Conference	Mokena	Illinois	50	Anti-LGBT
123422	Court Appeal	Cincinnati	Ohio	12	Anti-Muslim
123423	Political gathering	Polson	Montana	40	Anti-Muslim
123424	Recruiting	Los Angeles	California	30	Black Separatist
123425	Conference	Merrillville	Indiana	250	Christian Identity
123426	Gathering	Ontario	California	20	General Hate
123427	Concert	DeLand	Florida	70	Hate Music
123428	Rally	Hanover	Virginia	24	White Nationalist
123429	Course	Phoenix	Arizona	50	Radical Traditional Catholicism

```
30 rows in set (0.00 sec)
```

Event_t populated table with 30 rows in total.

```
[mysql> select* from hategroup_t;
```

name	numOfCrimes	hq	yearFounded	ideology
A Voice For Men	3	Houston, Texas	2009	Male Supremacy
A2Z Publications	0	Las Vegas, Nevada	2015	General Hate
AC Skins	2	Atlantic City, New Jersey	1986	Racist Skinhead
ACT for America	0	Washington, D.C.	2007	Anti-Muslim
All Eyes on Egypt	0	Macon, Georgia	1993	General Hate
All Scripture Baptist Church	0	Knoxville, Tennessee	2017	Anti-LGBT
American Border Patrol	3	Sierra Vista, Arizona	1992	Anti-Immigrant
American Defense Skinhead	7	Statewide, Illinois	2015	Racist Skinhead
American Freedom Law Center	0	Ann Arbor, Michigan	2012	Anti-Muslim
American Freedom Party	3	Los Angeles, California	2010	White Nationalist
American Identity Movement	0	Harpers Ferry, West Virginia	2016	White Nationalist
American Nazi Party	30	Statewide, New Hampshire	1965	Neo-Nazi
American Vision	0	Powder Springs, Georgia	1978	Anti-LGBT
Americans for Legal Immigration	0	Raleigh, North Carolina	2004	Anti-Immigrant
Asatru Folk Assembly	0	Brownsville, California	1994	Neo-Volkisch
Atomwaffen Division	11	Statewide, Colorado	2015	Neo-Nazi
Barnes Review	0	Upper Marlboro, Maryland	1994	Holocaust Denial
Be Active Front USA	0	Philadelphia, Pennsylvania	2013	Racist Skinhead
Black Riders Liberation Party	2	Los Angeles, California	1996	Black Separatist
Blood and Honour Social Club	3	Raleigh, North Carolina	1987	Racist Skinhead
Californians for Population Stabilization	0	Santa Barbara, California	1979	Anti-Immigrant
Catholic Apologetics International	0	Greencastle, Pennsylvania	2004	Radical Traditional Catholicism
Chick Publications	0	Ontario, California	1966	General Hate
Christ or Chaos	0	West Chester, Ohio	1996	Radical Traditional Catholicism
Christian Revival Center	0	Harrison, Arkansas	1990	Christian Identity
Christogenea	0	Panama City, Florida	1997	Christian Identity
Church of Israel	0	Schnell City, Missouri	1972	Christian Identity
Committee for Open Debate on the Holocaust	0	Mill Valley, California	1987	Holocaust Denial
D. James Kennedy Ministries	0	Fort Lauderdale, Florida	1974	Anti-LGBT
Dixie Republic	1	Travelers Rest, South Carolina	2003	Neo-Confederate
Faith and Heritage	44	Killeen, Texas	1990	White Nationalist
Fellowship of God's Covenant People	0	Union, Kentucky	1987	Christian Identity
Generations	0	Elizabeth, Colorado	2008	Anti-LGBT
Golden State Skinhead	8	Northern, California	2009	Racist Skinhead
Heirs to the Confederacy	16	Asheboro, North Carolina	1992	Neo-Confederate
Hell Shaking Street Preachers	2	Portland, Oregon	2017	General Hate
Help Save Maryland	0	Derwood, Maryland	2011	Anti-Immigrant
Hostile Class Productions	0	Burbank, Illinois	1992	Hate Music
Identiv Dixie	2	Cookeville, Tennessee	2015	Neo-Confederate

Hategroup_t populated table with 70 rows in total.

```
mysql> select* from hategroupcollab_t;
```

hateGroupName	collabGroupName
Knights of the Ku Klux Klan	American Freedom Party
Generations	American Vision
Legal Immigrants for America	Americans for Legal Immigration
American Nazi Party	Atomwaffen Division
Nation of Islam	Black Riders Liberation Party
AC Skins	Blood and Honour Social Club
A2Z Publications	Chick Publications
Christogenea	Church of Israel
League of the South	Dixie Republic
League of the South	Heirs to the Confederacy
Barnes Review	Institute for Historical Review
ACT for America	Last Chance Patriots
Knights of the Ku Klux Klan	League of the South
National Socialist Movement	National Socialist Liberation Front
Nation of Islam	New Black Panther Party
Christ or Chaos	The Fatima Crusader
American Freedom Party	The Right Stuff
ACT for America	The Straight Way
Woden's Folk Kindred	Wolves of Vinland
Wolves of Vinland	Wotan's Nation

20 rows in set (0.00 sec)

Hategroupcollab_t populated table with 20 rows in total.

```
mysql> select* from hategroupstate_t;
```

groupName	stateName
A Voice for Men	Texas
A2Z Publications	Nevada
AC Skins	California
AC Skins	Nebraska
AC Skins	New Jersey
ACT for America	Arizona
ACT for America	Arkansas
ACT for America	California
ACT for America	Connecticut
ACT for America	Florida
ACT for America	Illinois
ACT for America	Indiana
ACT for America	Louisiana
ACT for America	Massachusetts
ACT for America	Missouri
ACT for America	Montana
ACT for America	New Hampshire
ACT for America	New York
ACT for America	Ohio
ACT for America	Oregon
ACT for America	Pennsylvania
ACT for America	Tennessee
ACT for America	Texas
ACT for America	West Virginia
ACT for America	Wisconsin
All Eyes on Egypt	Georgia
All Scripture Baptist Church	Tennessee
American Border Patrol	Arizona
American Defense Skinhead	Illinois

Hategroupstate_t populated table with 248 rows in total.


```
mysql> select* from ideology_t;
```

ideologyName	biasType
Alt-Right	white supremacy
Anti-Government	anarchist
Anti-Immigrant	xenophobia
Anti-LGBT	homophobia
Anti-Muslim	islamophobia
Black Separatist	anti-white
Christian Identity	anti-semitism
General Hate	miscellaneous
Hate Music	white supremacy
Holocaust Denial	anti-semitism
Male Supremacy	misogyny
Neo-Confederate	southern nationalism
Neo-Nazi	anti-semitism
Neo-Volkisch	ethnocentrism
Phineas Priesthood	miscellaneous
Progressive Neo-Nazi	white supremacy
Racist Skinhead	white supremacy
Radical Traditional Catholicism	anti-semitism
Sovereign Citizens Movement	racism
White Nationalist	white supremacy

```
20 rows in set (0.01 sec)
```

Ideology_t populated table with 20 rows in total.

```
mysql> select* from leader_t;
```

hateGroupName	dob	residentState	name
A Voice for Men	1957-02-08	Texas	Paul Elam
A2Z Publications	1938-10-23	Florida	Adrian Krieg
AC Skins	1971-02-04	New Jersey	Bryan Bradley
ACT for America	1964-10-21	D.C.	Brigitte Gabriel
All Scripture Baptist Church	1987-05-10	Tennessee	Grayson Fitts
American Border Patrol	1938-07-15	Arizona	Glenn Spencer
American Freedom Law Center	1956-09-29	Michigan	David Yerushalmi
American Freedom Law Center	1965-08-05	Michigan	Robert Muise
American Freedom Party	1954-09-02	California	William Daniel Johnson
American Identity Movement	1986-11-22	West Virginia	Patrick Casey
American Nazi Party	1952-02-18	Michigan	Rocky Suhayda
American Vision	1976-03-16	Georgia	Joel McDurmon
Americans for Legal Immigration	1978-05-19	North Carolina	William Gheen
Asatru Folk Assembly	1948-10-05	California	Stephen McNallen
Atomwaffen Division	1952-07-25	Colorado	James Mason
Black Riders Liberation Party	1973-11-01	California	Mischa Culton
Catholic Apologetics International	1955-09-13	Pennsylvania	Robert Sungenis
Chick Publications	1965-07-28	California	David Daniels
Christ or Chaos	1951-11-24	Ohio	Thomas Droleskey
Christian Revival Center	1946-02-17	Arkansas	Thomas Robb
Christogenea	1959-08-23	Florida	William Finck
Church of Israel	1945-01-25	Missouri	Dan Gayman
D. James Kennedy Ministries	1942-07-25	Florida	Frank Wright
Heirs to the Confederacy	1968-11-02	North Carolina	Lance Spivey
Hell Shaking Street Preachers	1991-01-16	Oregon	Allen Pucket
Help Save Maryland	1975-07-19	Maryland	Brad Botwin
Identity Dixie	1981-08-13	Tennessee	Ben Faulkner
Illinois Family Institute	1973-09-17	Illinois	David Smith
In the Spirit of Chartres Committee	1967-10-19	Maryland	Judith Sharpe
Institute for Historical Review	1982-06-23	California	Mark Weber
Knights of the Ku Klux Klan	1946-02-17	Arkansas	Thomas Robb
Last Chance Patriots	1948-04-23	Montana	Linda Sauer

Leader_t populated table with 50 rows in total.

Query & Update Execution

Screenshots of the execution of your queries/updates.

How many hate groups are there in each State (with the states ordered in alphabetical order)?

```
select stateName as 'State', count(groupName) as 'Number of hate groups'
from hategroupstate_t
group by stateName
order by stateName;
```

State	Number of hate groups
Alabama	5
Alaska	1
Arizona	6
Arkansas	6
California	15
Colorado	7
Connecticut	3
D.C.	4
Delaware	1
Florida	16
Georgia	9
Idaho	1
Illinois	7
Indiana	5
Iowa	1
Kentucky	6
Louisiana	5
Maryland	8
Massachusetts	4
Michigan	5
Minnesota	3
Mississippi	2
Missouri	8
Montana	3
Nebraska	1
Nevada	3
New Hampshire	2
New Jersey	4
New York	10
North Carolina	9
North Dakota	2
Ohio	8
Oklahoma	2
Oregon	5
Pennsylvania	14
South Carolina	5
South Dakota	2
Tennessee	13
Texas	11
Utah	2
Vermont	1
Virginia	8
Washington	5
West Virginia	3
Wisconsin	6
Wyoming	1

46 rows in set (0.00 sec)

Which state has the most hate groups?

```
select stateName as 'State with most hate groups'
from hategroupstate_t
group by stateName
order by count(groupName) desc limit 1;
```

```
+-----+
| State with most hate groups |
+-----+
| Florida                      |
+-----+
1 row in set (0.00 sec)
```

What is the name of the hate group that was involved in the most events?

```
select hateGroupName as 'Hate group most involved in events'
from eventOrg_t
group by hateGroupName
order by count(distinct eventID) desc limit 1;
```

```
+-----+
| Hate group most involved in events |
+-----+
| American Identity Movement        |
+-----+
1 row in set (0.01 sec)
```

Which type of event happened the most?

```
select eType as 'Most recurrent event type'
from event_t
group by eType
order by count(eventID) desc limit 1;
```

```
+-----+
| Most recurrent event type |
+-----+
| Conference                |
+-----+
1 row in set (0.00 sec)
```


How many hate groups follow each ideology?

```
select ideology as 'Ideology', count(name) as 'Number of Groups'
from hategroup_t
group by ideology
order by ideology;
```

Ideology	Number of Groups
Anti-Immigrant	5
Anti-LGBT	5
Anti-Muslim	5
Black Separatist	5
Christian Identity	5
General Hate	5
Hate Music	5
Holocaust Denial	3
Male Supremacy	1
Neo-Confederate	5
Neo-Nazi	5
Neo-Volkisch	5
Racist Skinhead	5
Radical Traditional Catholicism	5
White Nationalist	6

15 rows in set (0.00 sec)

Which hate groups collaborated with Nation of Islam?

```
select collabGroupName as 'Nation of Islam Collaborators'
from hategroupcollab_t
where hateGroupName = 'Nation of Islam';
```

Nation of Islam Collaborators
Black Riders Liberation Party
New Black Panther Party

2 rows in set (0.00 sec)

What are the names of the hate groups with leaders from Florida?

```
select hateGroupName as 'Groups with Leaders from Florida'
from leader_t
where residentState = 'Florida'
order by hateGroupName;
```

Groups with Leaders from Florida
A2Z Publications
Christogenea
D. James Kennedy Ministries
Legal Immigrants for America
Real Republic of Florida
Sharkhunters International

6 rows in set (0.00 sec)

Which hate groups have at least two leaders?

```
select hateGroupName as 'Groups with 2 or more Leaders'
from leader_t
group by hateGroupName
having count(hateGroupName)>=2
order by hateGroupName;
```

Groups with 2 or more Leaders
American Freedom Law Center
Last Chance Patriots
Wotan's Nation

3 rows in set (0.00 sec)

What are the names and years founded of all the hate groups founded after 2015?

```
select name as 'Hate Group founded after 2015', yearFounded as 'Year founded'
from hategroup_t
where yearFounded > 2015
order by name;
```

Hate Group founded after 2015	Year founded
All Scripture Baptist Church	2017
American Identity Movement	2016
Hell Shaking Street Preachers	2017
Wolves of Vinland	2017

4 rows in set (0.00 sec)

Which ideologies have a bias type of anti-semitism?

```
select ideologyName as 'Ideology with anti-semitism bias'
from ideology_t
where biasType = 'anti-semitism'
order by ideologyName;
```

Ideology with anti-semitism bias
Christian Identity
Holocaust Denial
Neo-Nazi
Radical Traditional Catholicism

4 rows in set (0.00 sec)

How many events, if any, were held for each ideology?

```
select ideology as 'Ideology', count(eventID) as 'Number of events held'
from event_t
group by ideology;
```

Ideology	Number of events held
Anti-Immigrant	2
Anti-LGBT	4
Anti-Muslim	5
Black Separatist	1
Christian Identity	1
General Hate	1
Hate Music	1
Neo-Confederate	2
Neo-Nazi	2
Neo-Volkisch	2
Radical Traditional Catholicism	1
White Nationalist	8

12 rows in set (0.00 sec)

Which hate groups have names that include America or American?

```
select name as 'Groups with America in Name'
from hategroup_t
where name like '%America%'
order by name;
```

Groups with America in Name
ACT for America
American Border Patrol
American Defense Skinhead
American Freedom Law Center
American Freedom Party
American Identity Movement
American Nazi Party
American Vision
Americans for Legal Immigration
Legal Immigrants for America

10 rows in set (0.00 sec)

Which hate groups operate in the Pacific Northwest (CA, OR, WA)?

```
select distinct groupName as 'Groups Operating in Pacific Northwest (CA, OR, WA)'
from hategroupstate_t
where stateName in ('California', 'Oregon', 'Washington');
```

Groups Operating in Pacific Northwest (CA, OR, WA)
AC Skins
ACT for America
American Freedom Party
American Identity Movement
American Nazi Party
Asatru Folk Assembly
Atomwaffen Division
Black Riders Liberation Party
Californians for Population Stabilization
Chick Publications
Committee for Open Debate on the Holocaust
Golden State Skinhead
Hell Shaking Street Preachers
Institute for Historical Review
Nation of Islam
Our Place Fellowship
The Right Stuff
Wolves of Vinland

18 rows in set (0.00 sec)

In what city and state was the event with ID 123409?

```
select city, stateName
from event_t
where eventID = 123409;
```

city	stateName
Nashville	Tennessee

1 row in set (0.00 sec)

From which states are the hate groups that participated in the event with ID 123409?

```
select distinct stateName
from hategroupstate_t, hategroup_t, eventorg_t
where eventID = 123409 AND hateGroupName = name AND name = groupName
order by stateName;
```

stateName
Arizona
California
Colorado
Connecticut
D.C.
Florida
Georgia
Illinois
Indiana
Kentucky
Louisiana
Maryland
Michigan
Minnesota
Missouri
Montana
New Jersey
New York
North Carolina
Ohio
Oklahoma
Oregon
Pennsylvania
South Dakota
Tennessee
Utah
Virginia
Washington
West Virginia
Wisconsin
Wyoming

31 rows in set (0.00 sec)

Find the information for all events held by Illinois Family Institute.

```
select event_t.*, hateGroupName, eventDate
from eventOrg_t, event_t
where hateGroupName = 'Illinois Family Institute' AND event_t.eventID =
eventOrg_t.eventID;
```

eventID	eType	city	stateName	numOfAttendees	ideology	hateGroupName	eventDate
123419	Fall Banquet	Tinley Park	Illinois	210	Anti-LGBT	Illinois Family Institute	2019-11-01
123420	Conference	Tinley Park	Illinois	90	Anti-LGBT	Illinois Family Institute	2019-08-24
123421	Worldview Conference	Mokena	Illinois	50	Anti-LGBT	Illinois Family Institute	2019-03-16

3 rows in set (0.11 sec)

Find the average number of attendees for all conferences.

```
select AVG(numOfAttendees) as 'Average Number of Conference Attendees'
from event_t
where eType = 'Conference';
```

Average Number of Conference Attendees
125.0000

1 row in set (0.00 sec)

What is the bias type of the group led by Laurie Cardoza-Moore?

```
select biasType
from ideology_t, hategroup_t, leader_t
where leader_t.name = 'Laurie Cardoza-Moore' AND hateGroupName =
hategroup_t.name AND ideology = ideologyName;
```

biasType
islamophobia

1 row in set (0.00 sec)

How many events were held in October of 2019?

```
select count(eventID) as 'Events in October, 2019'
from eventOrg_t
where eventDate like '2019-10-%';
```

Events in October, 2019
8

1 row in set (0.00 sec)

What are the names of the leaders whose groups held events with over 100 attendees?

```
select distinct name as 'Leader Names'
from leader_t as L, eventOrg_t as Org, event_t as E
where L.hateGroupName = Org.hateGroupName AND Org.eventID = E.eventID AND
numOfAttendees > 100;
```

Leader Names
William Daniel Johnson
Patrick Casey
Michael Hill
Brigitte Gabriel
David Smith
Thomas Robb

6 rows in set (0.01 sec)

Paul Elam, leader of A Voice for Men, has decided to take a break and pass on the leadership role to Mike Cernovich, update the database accordingly.

```
update leader_t
  set name = 'Mike Cernovich'
  where name = 'Paul Elam';
```

Before update:

```
[mysql> select* from leader_t;
```

hateGroupName	dob	residentState	name
A Voice for Men	1957-02-08	Texas	Paul Elam
A2Z Publications	1938-10-23	Florida	Adrian Krieg
AC Skins	1971-02-04	New Jersey	Bryan Bradley
ACT for America	1964-10-21	D.C.	Brigitte Gabriel
All Scripture Baptist Church	1987-05-10	Tennessee	Grayson Fitts
American Border Patrol	1938-07-15	Arizona	Glenn Spencer
American Freedom Law Center	1956-09-29	Michigan	David Yerushalmi
American Freedom Law Center	1965-08-05	Michigan	Robert Muise
American Freedom Party	1954-09-02	California	William Daniel Johnson
American Identity Movement	1986-11-22	West Virginia	Patrick Casey
American Nazi Party	1952-02-18	Michigan	Rocky Suhayda
American Vision	1976-03-16	Georgia	Joel McDurmon
Americans for Legal Immigration	1978-05-19	North Carolina	William Gheen
Asatru Folk Assembly	1948-10-05	California	Stephen McNallen
Atomwaffen Division	1952-07-25	Colorado	James Mason
Black Riders Liberation Party	1973-11-01	California	Mischa Culton
Catholic Apologetics International	1955-09-13	Pennsylvania	Robert Sungenis

After update:

hateGroupName	dob	residentState	name
A Voice for Men	1957-02-08	Texas	Mike Cernovich
A2Z Publications	1938-10-23	Florida	Adrian Krieg
AC Skins	1971-02-04	New Jersey	Bryan Bradley
ACT for America	1964-10-21	D.C.	Brigitte Gabriel
All Scripture Baptist Church	1987-05-10	Tennessee	Grayson Fitts
American Border Patrol	1938-07-15	Arizona	Glenn Spencer
American Freedom Law Center	1956-09-29	Michigan	David Yerushalmi
American Freedom Law Center	1965-08-05	Michigan	Robert Muise
American Freedom Party	1954-09-02	California	William Daniel Johnson
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American Nazi Party	1952-02-18	Michigan	Rocky Suhayda
American Vision	1976-03-16	Georgia	Joel McDurmon
Americans for Legal Immigration	1978-05-19	North Carolina	William Gheen
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Atomwaffen Division	1952-07-25	Colorado	James Mason
Black Riders Liberation Party	1973-11-01	California	Mischa Culton
Catholic Apologetics International	1955-09-13	Pennsylvania	Robert Sungenis

All hategroups with neo-nazi ideologies were involved in a crime recently. Add 1 more to their current number of crimes and update their data accordingly.

```

update hategroup_t
set numOfCrimes = numOfCrimes + 1
where ideology = 'Neo-Nazi';

```

Before update:

Heirs to the Confederacy	16	Asheboro, North Carolina	1992	Neo-Confederate
Dixie Republic	1	Travelers Rest, South Carolina	2003	Neo-Confederate
League of the South	12	Killen, Alabama	1994	Neo-Confederate
Atomwaffen Division	11	Statewide, Colorado	2015	Neo-Nazi
National Alliance	15	Laurel Bloomery, Tennessee	1974	Neo-Nazi
National Socialist Liberation Front	3	Montgomery, Alabama	1969	Neo-Nazi
National Socialist Movement	2	Kissimmee, Florida	1994	Neo-Nazi
American Nazi Party	30	Statewide, New Hampshire	1965	Neo-Nazi
Asatru Folk Assembly	0	Brownsville, California	1994	Neo-Volkisch
The Heathen Coalition	0	Milwaukee, Wisconsin	2015	Neo-Volkisch
Woden's Folk Kindred	3	Waxahachie, Texas	2013	Neo-Volkisch

After update:

Dixie Republic	1	Travelers Rest, South Carolina	2003	Neo-Confederate
League of the South	12	Killen, Alabama	1994	Neo-Confederate
Atomwaffen Division	12	Statewide, Colorado	2015	Neo-Nazi
National Alliance	16	Laurel Bloomery, Tennessee	1974	Neo-Nazi
National Socialist Liberation Front	4	Montgomery, Alabama	1969	Neo-Nazi
National Socialist Movement	3	Kissimmee, Florida	1994	Neo-Nazi
American Nazi Party	31	Statewide, New Hampshire	1965	Neo-Nazi
Asatru Folk Assembly	0	Brownsville, California	1994	Neo-Volkisch
The Heathen Coalition	0	Milwaukee, Wisconsin	2015	Neo-Volkisch
Woden's Folk Kindred	3	Waxahachie, Texas	2013	Neo-Volkisch
Wolves of Vinland	1	Lynchburg, Virginia	2017	Neo-Volkisch

Challenges Encountered

During the *Implementation Phase*, our group realized that the scope we initially set for our database--2008 to 2018--is too large for the time given for the course project and would require thousands of rows to be populated. Instead of a decade of data, we used data from 2018 and 2019 posted by the Southern Poverty Law Center with some modifications to fit our Universe of Discourse.

Furthermore, we initially brought up the idea of having a Crime entity during conceptual design, but instead of implementing this idea using entities, we made numOfCrimes an attribute to be stored in the hategroup entity. Conceptual design was definitely the hardest of the phases because we needed to consider how we would actually implement the ideas we were envisioning ahead of time. Thus, we needed to spend most of our thoughts and efforts in actually understanding the concept of our database.

Lessons Learned

We found it imperative to make sure that we envision the ideal database in conceptual design. Along with the creation of business rules, the conceptual design phase provides an

important foundation for understanding the creation and implementation of the database later in the development cycle. We also learned that everything we did early in the SDLC was not necessarily set in stone. Some aspects of how we planned the creation of the database could be altered in the physical design of the database, such as when we changed the range of data we were inserting into our database from 2008-2018 to 2018-2019.

The Logical Design and Physical Design phases were very easy to work on (although slightly tedious) while practicing distance learning during the second half of the semester. Since Conceptual Design ran smoothly for us, we all knew our goals for how we wanted to implement the database. Database development requires being able to balance both independent work and collaborative work to ensure the success of the project.

Some key takeaways for our team was the ability to understand and implement a database in MySQL and then communicate both the process and results. For future database development, it would be helpful to learn to automate the insertion of data into the table. Without automation, we had to cut the amount of data we would bring into our database, from ten years down to two years. In future databases being able to read from a file for insertion would make accommodating larger datasets much easier and make more potential projects available.