

Group 7 Final Project

Analytical analysis of President Election

Group Members:

Sun Pil Howang

Chengkai Ji

Hrolfur Sveinsson

Peijia Wu

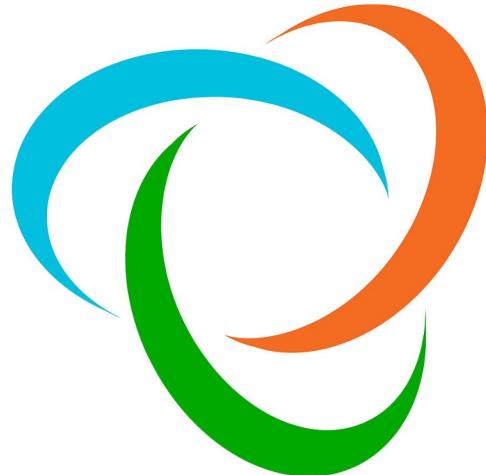
Yihang Zhao

Project and Data

File Used:
Contributions from committees to candidates
All Candidates
Candidate Master
Committee Master

Columns Included
COH_COP
COH_BOP
TTL_INDIV_CONTRIB
CAND CONTRIB
TRANS_FROM_AUTH
TTL_DISB
TTL_RECEIPTS
POL_PTY_CONTRIB
CVG_END_DT
CMTE_ID
CMTE_NM
CMTE_TP
ORG_TP
CONNECTED_ORG_NM
TRES_NM
CAND_ID
CAND_Name
CAND_PTY_AFFILIATION
CAND_OFFICE
CAND_ELECTION_YR
Contributor_STATE
Contributor_CITY
ENTITY_TP
TRANSACTION_TP
TRANSACTION_DT
TRANSACTION_PGI
REP_TP
Transaction_AMT

Project and Data



TRIFACTA

- Delete columns
- Rename columns
- Join tables
- Union 2016 and 2020

Project and Data

Facts
COH_COP
COH_BOP
TTL_INDIV_CONTRIB
CAND_CONTRIB
TRANS_FROM_AUTH
TTL_DISB
TTL_RECEIPTS
POL_PTY_CONTRIB
Transaction_AMT

Dimensions
Transaction_DT
CVG_END_DT
CAND_ELECTION_YR
(Trans_Month)
(Trans_Year)
CMTE_ID
CMTE_NM
CMTE_TP
ORG_TP
CONNECTED_ORG_NM
TRES_NM
CAND_ID
CAND_Name
CAND_PTY_AFFILIATION
CAND_OFFICE
CAND_ELECTION_YR
Contributor_STATE
Contributor_CITY
ENTITY_TP
TRANSACTION_TP
TRANSACTION_DT
TRANSACTION_PGI
REP_TP

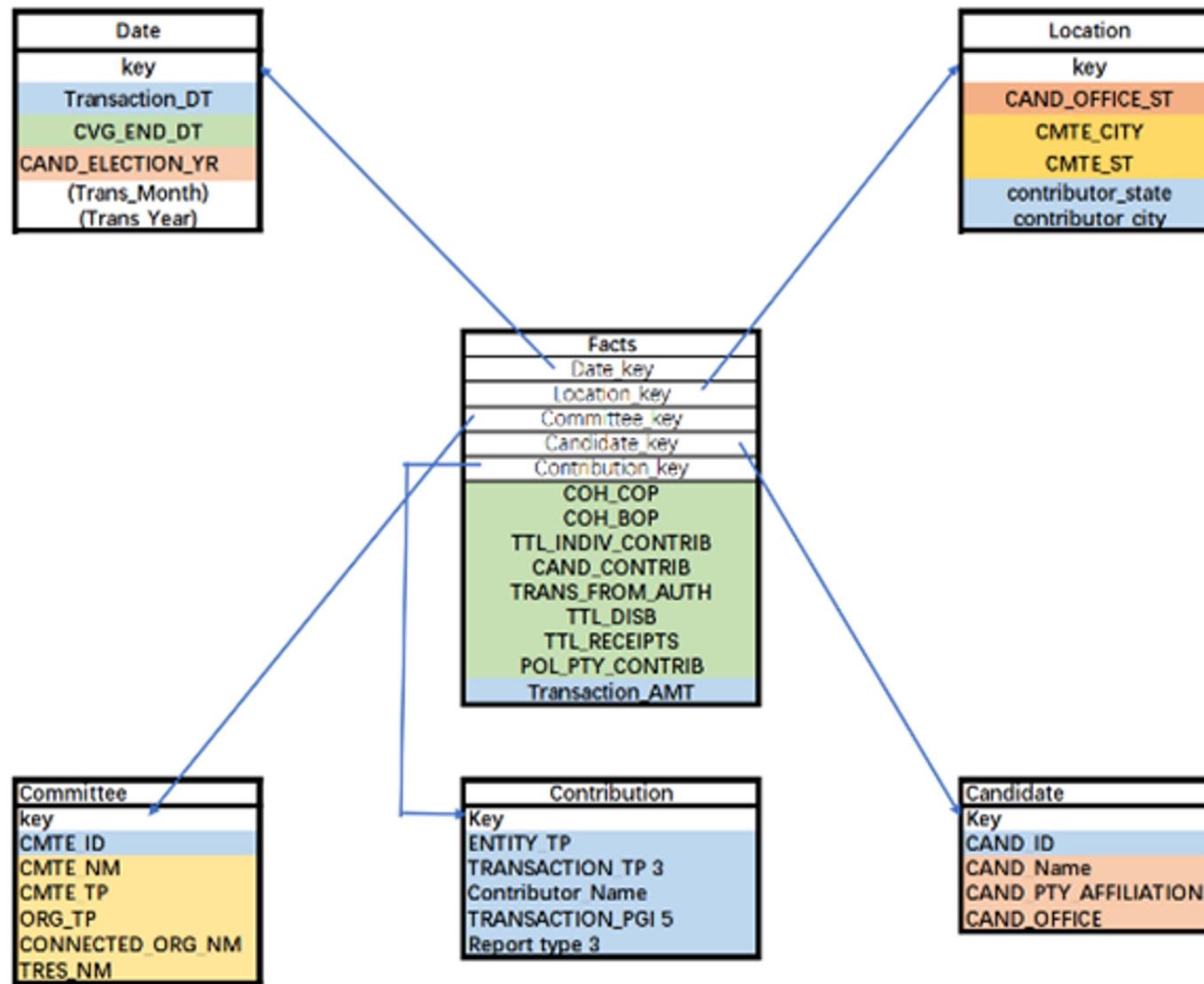
Date

Committee

Candidate

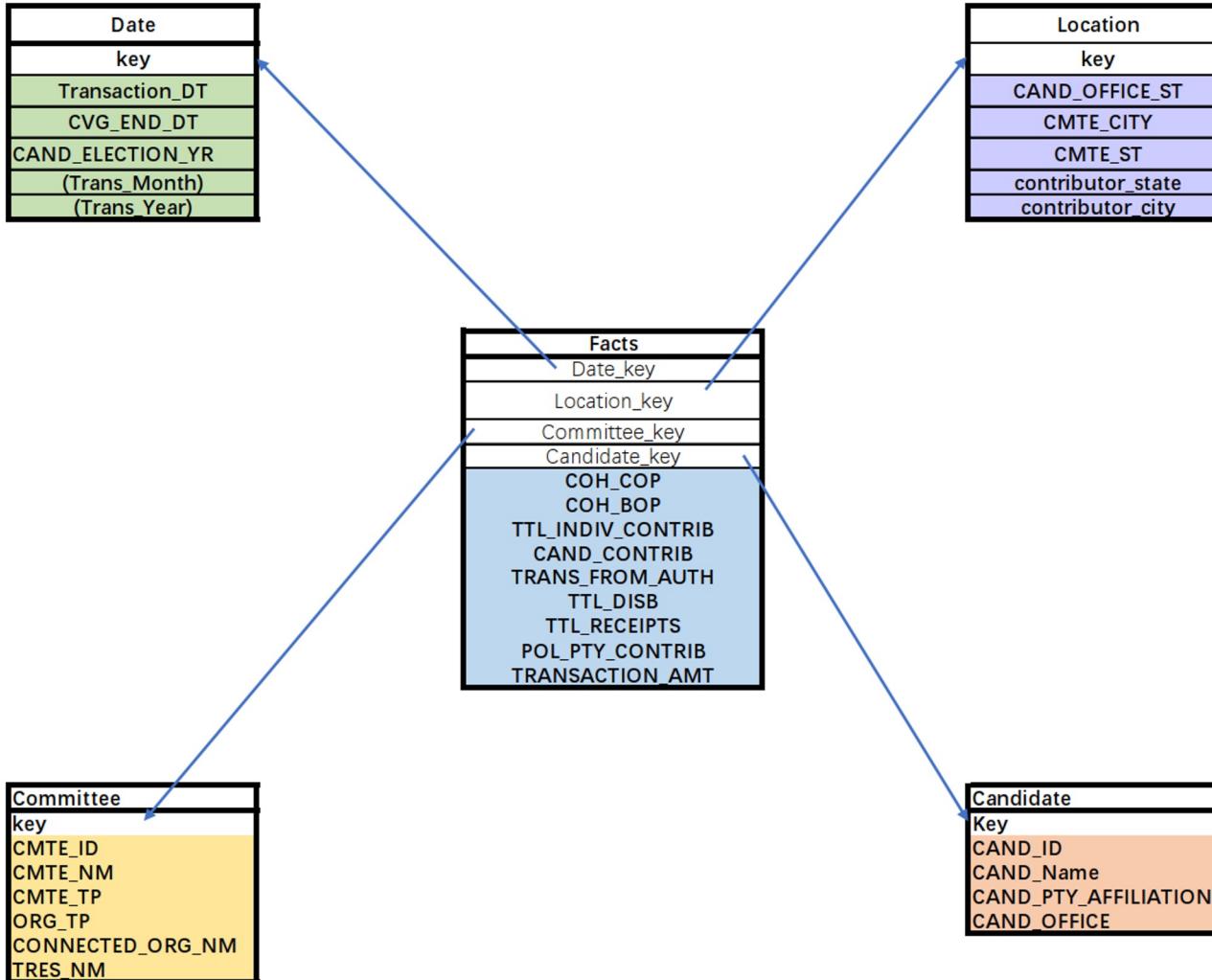
Contribution

Dimensional Model Design



Dimensional Design

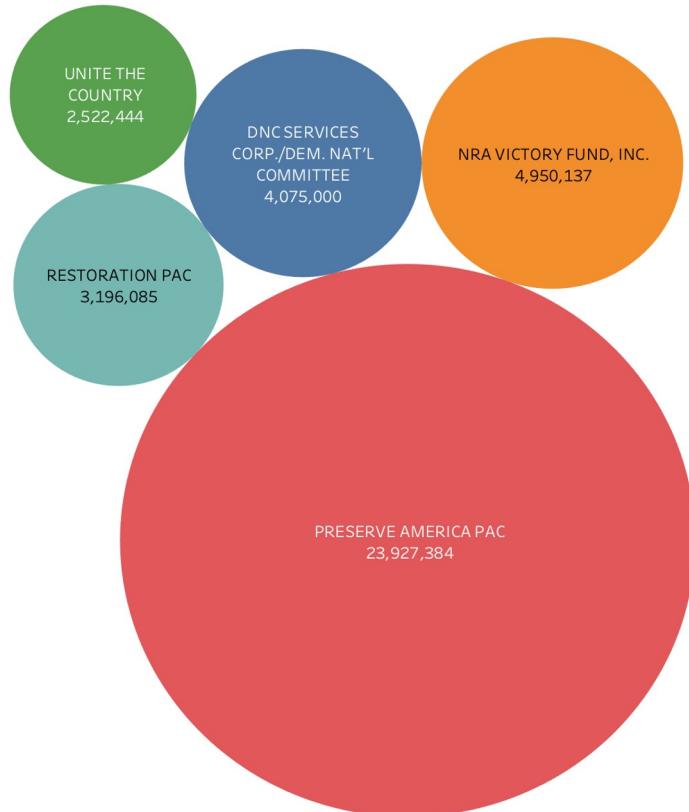
Dimensional Model Design



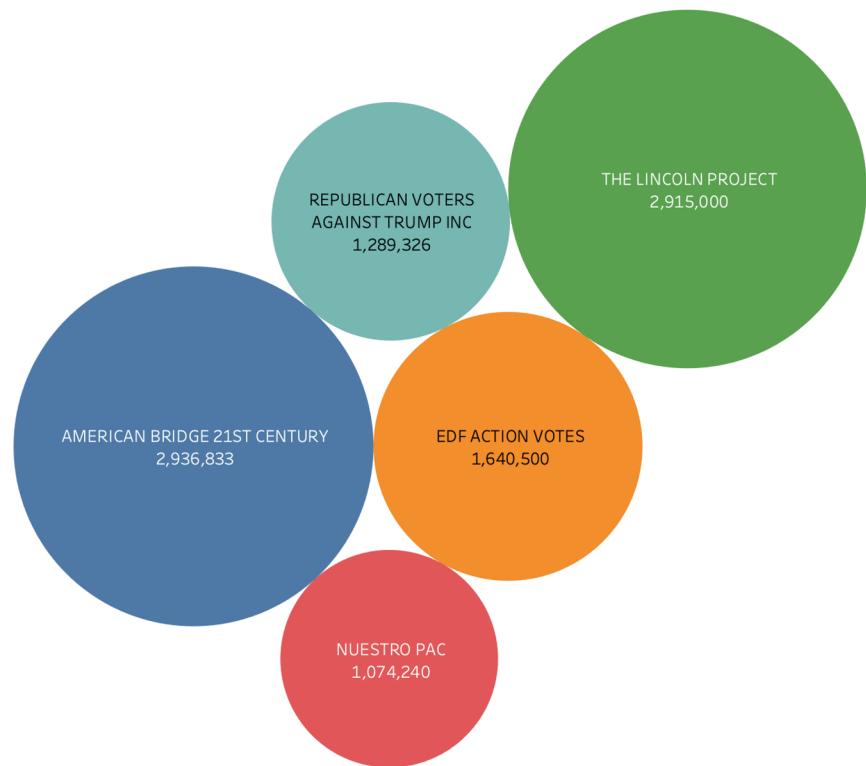
Analytical Questions and Findings

What are the names of the top 5 committees which contributed the single highest amount to Joe Biden and Donald Trump in 2020, and Hillary Clinton and Donald Trump in 2016?

Joe Biden in 2020



Donald Trump in 2020



Committee	Transaction Year	Candidate	Single highest transaction amount
PRESERVE AMERICA PAC	2020	BIDEN, JOSEPH R JR	\$23927384
NRA VICTORY FUND, INC.	2020	BIDEN, JOSEPH R JR	\$4950137
DNC SERVICES CORP./DEM. NAT'L COMMITTEE	2020	BIDEN, JOSEPH R JR	\$4075000
RESTORATION PAC	2020	BIDEN, JOSEPH R JR	\$3196085
UNITE THE COUNTRY	2020	BIDEN, JOSEPH R JR	\$2682235
			\$2522444

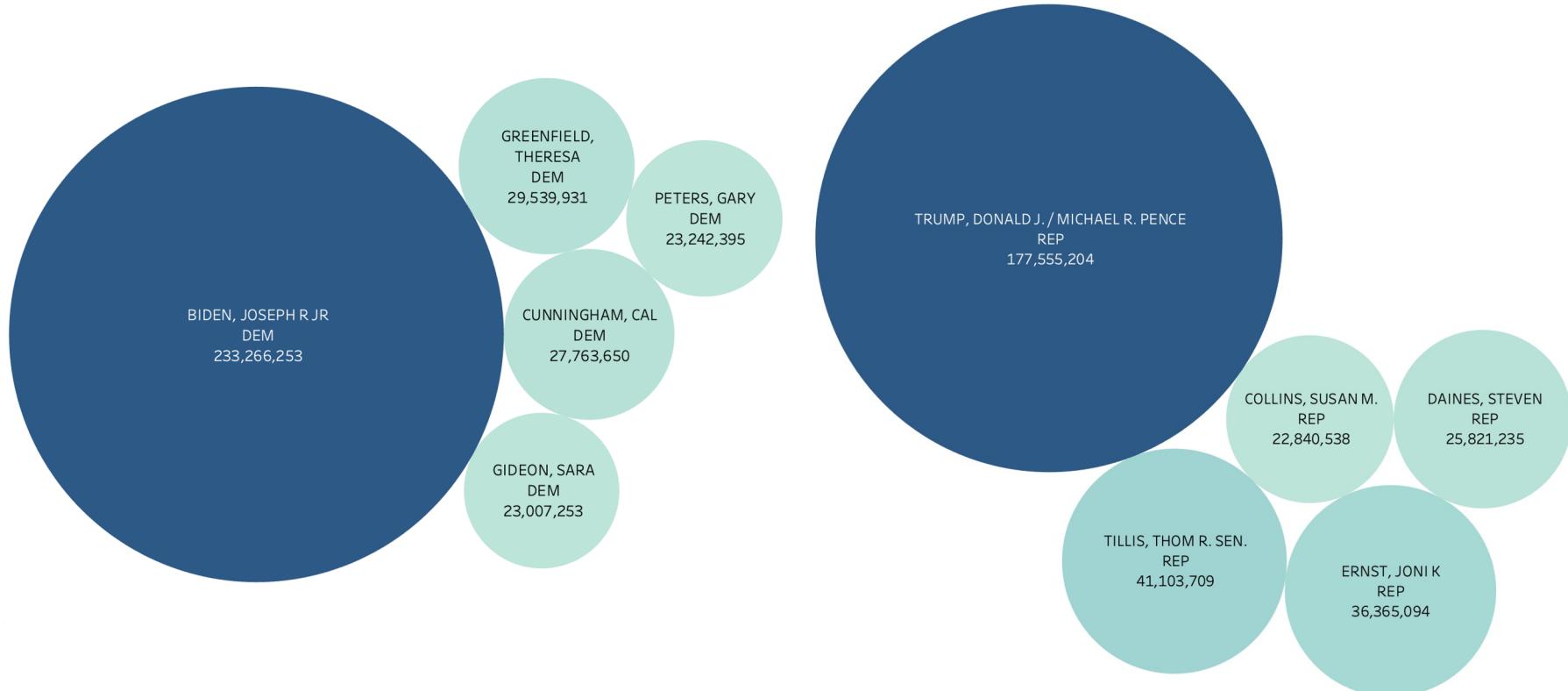
Analytical Questions and Findings

What are the top 5 candidates from the Democratic party that received the highest amount of total contributions from committees in 2020 and 2016? What are the top 5 candidates from the Republican party that received the highest amount of total contributions from committees in 2020 and 2016?

Democrats

2020

Republicans

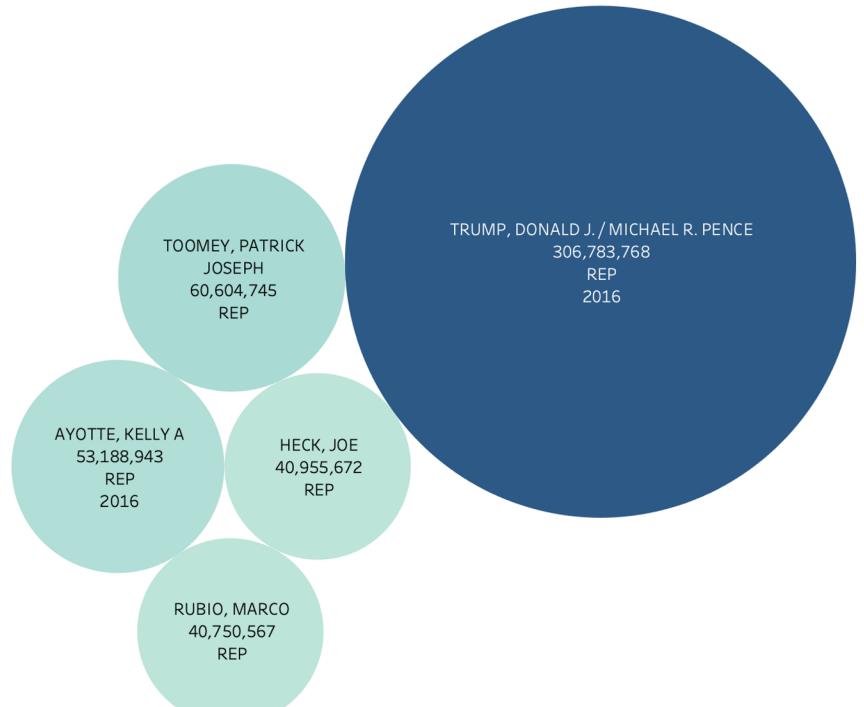
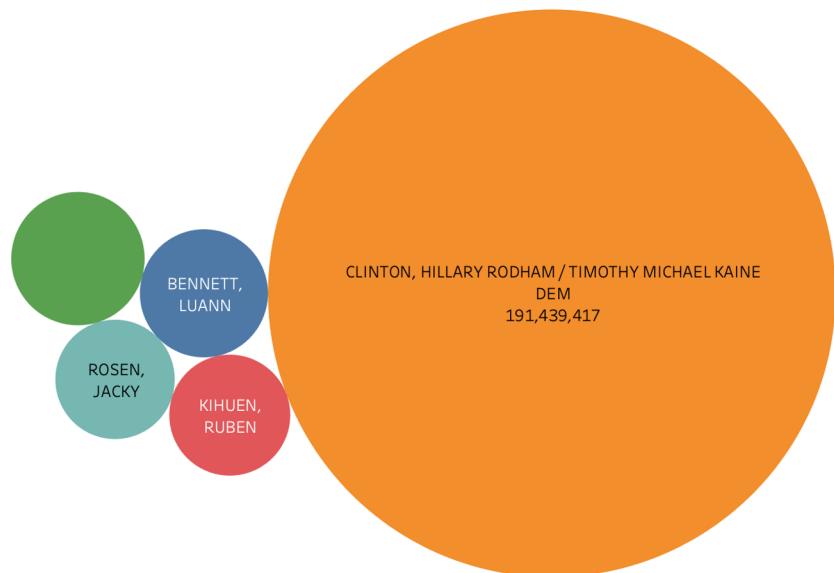


cand_id	cand_name	cand_pty_affiliation	trans_year	total_transamt
P80000722	BIDEN, JOSEPH R JR	DEM	2020	225596067
P80001571	TRUMP, DONALD J. / MICHAEL R. PENCE	REP	2020	177555204
S4NC00162	TILLIS, THOM R. SEN.	REP	2020	41103709
S4IA00129	ERNST, JONI K	REP	2020	36365094
S0IA00176	GREENFIELD, THERESA	DEM	2020	28124703

Democrats

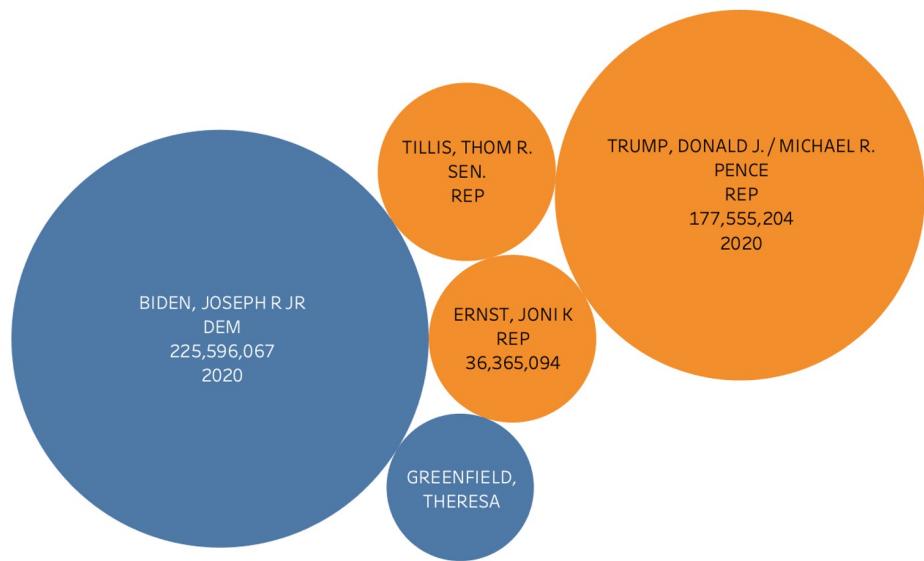
2016

Republicans

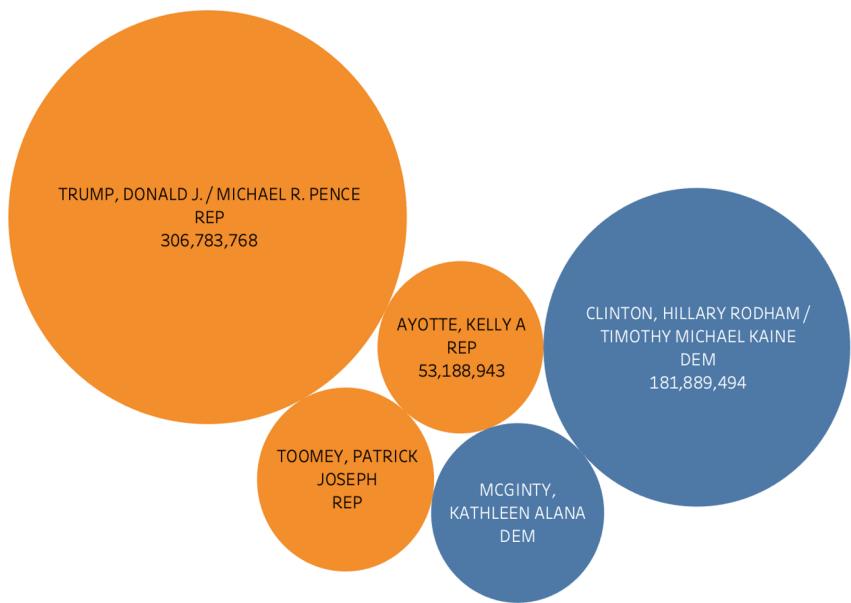


cand_id	cand_name	cand_pty_affiliation	trans_year	total_transamt
P80001571	TRUMP, DONALD J. / MICHAEL R. PENCE	REP	2016	306783768
P00003392	CLINTON, HILLARY RODHAM / TIMOTHY MICHAEL KAIN	DEM	2016	181889494
S4PA00121	TOOMEY, PATRICK JOSEPH	REP	2016	60604745
S6PA00266	MCGINTY, KATHLEEN ALANA	DEM	2016	57860912
S0NH00235	AYOTTE, KELLY A	REP	2016	53188943

2020



2016



cand_id	trans_year	total_transamt
---------	------------	----------------

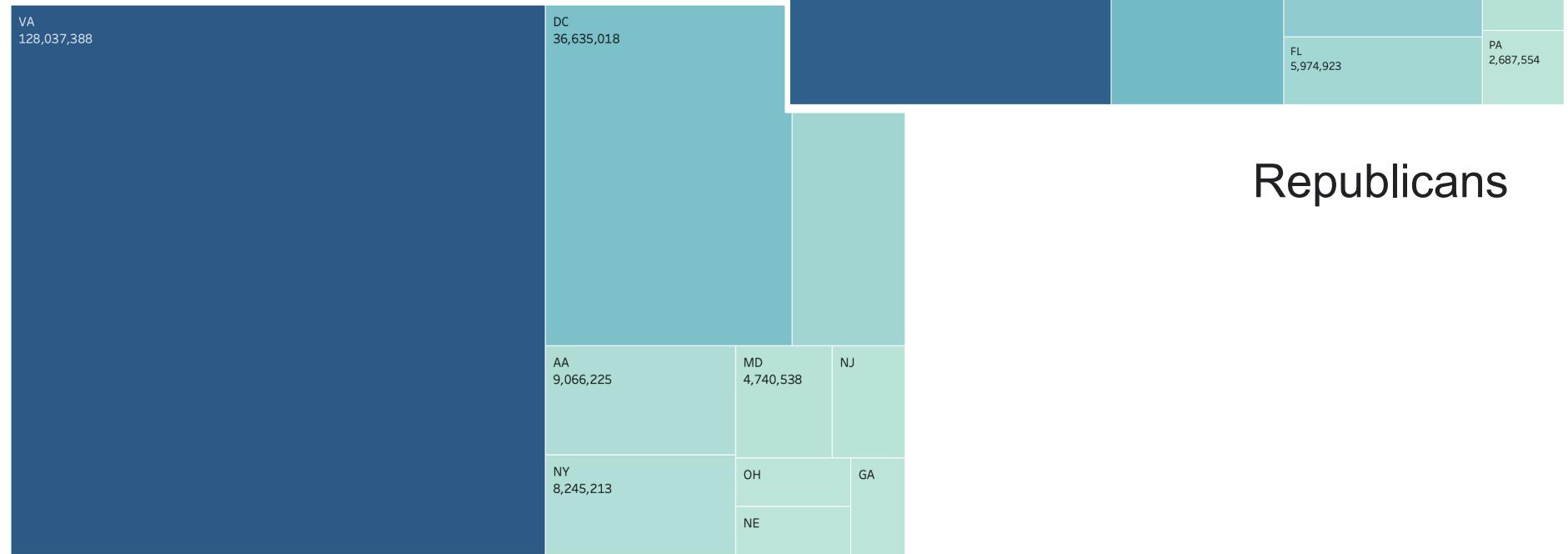
P80001571	2016	306783768
-----------	------	-----------

P80001571	2020	177555204
-----------	------	-----------

Analytical Questions and Findings

Which state contributed the most to Joe Biden, and which state contributed the most to Donald Trump in 2020?

Democrats



Republicans

THANK YOU !