

Czy demografia determinuje na kogo ludzie głosują?

Przegląd ogólnych statystyk demograficznych, ciekawych przypadków i anomalii



**PRESIDENTIAL
ELECTION
2016**



Czynniki demograficzne



- populacja

- wiek

- grupy etniczne

- płeć

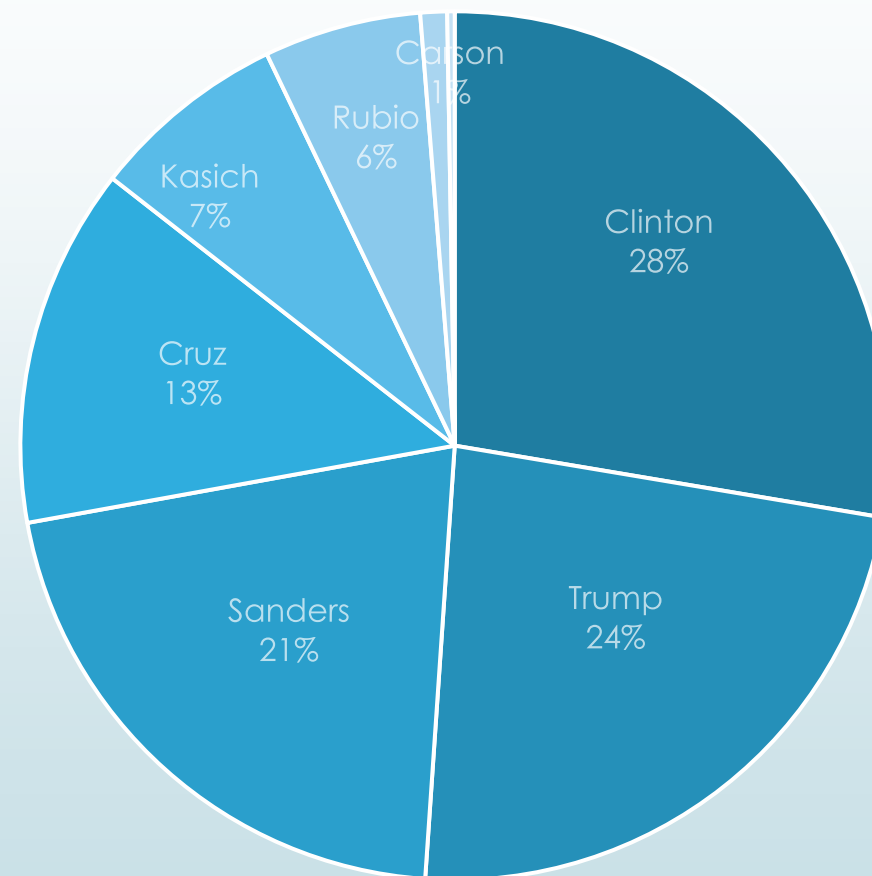
- wykształcenie

- zarobki

- biznes

Jak głosowali Amerykanie w 2016?

| | |
|-----------------|------------|
| Hillary Clinton | 15 692 452 |
| Donald Trump | 13 302 541 |
| Bernie Sanders | 11 959 102 |
| Ted Cruz | 7 603 006 |
| John Kasich | 4 159 949 |
| Marco Rubio | 3 321 076 |
| Ben Carson | 564 553 |
| Pozostali | 156 508 |

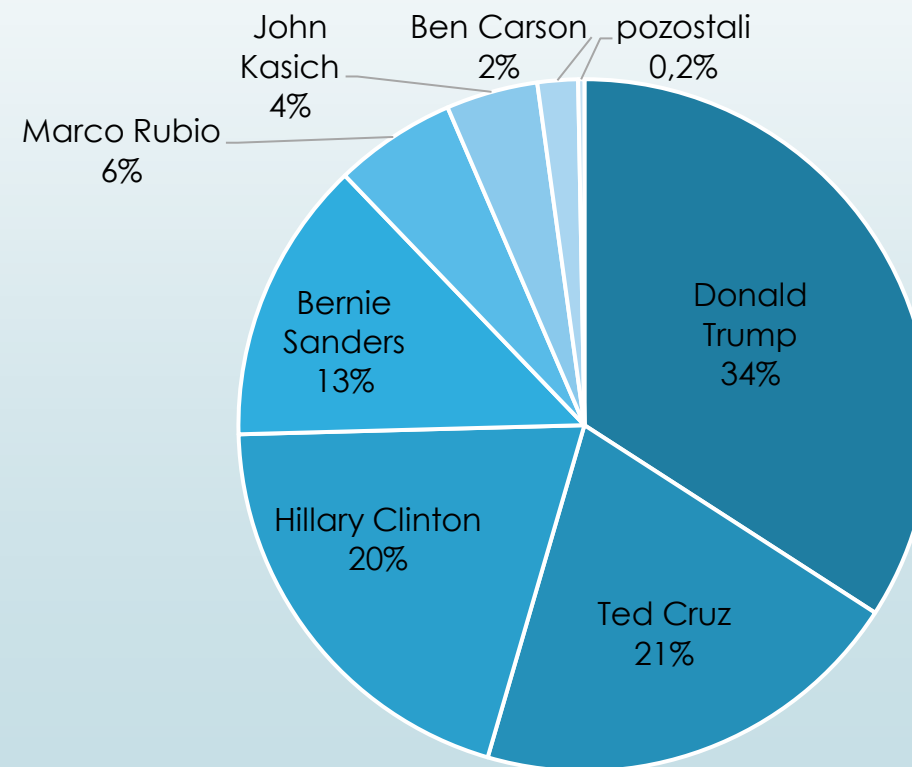


■ Clinton ■ Trump ■ Sanders ■ Cruz ■ Kasich ■ Rubio ■ Carson ■ inni

Hrabstwa z małą liczbą ludności

► I. kwartył o wartości 11 125 osób

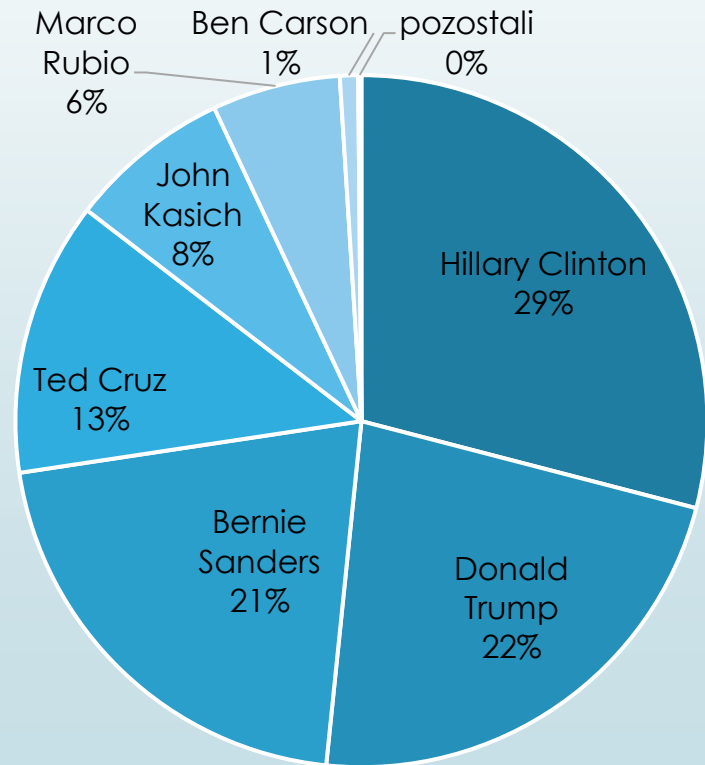
| | |
|-----------------|---------|
| Donald Trump | 263 378 |
| Ted Cruz | 157 358 |
| Hillary Clinton | 154 718 |
| Bernie Sanders | 101 680 |
| Marco Rubio | 43 953 |
| John Kasich | 33 138 |
| Ben Carson | 14 570 |
| pozostali | 2 258 |



Hrabstwa z dużą liczbą ludności

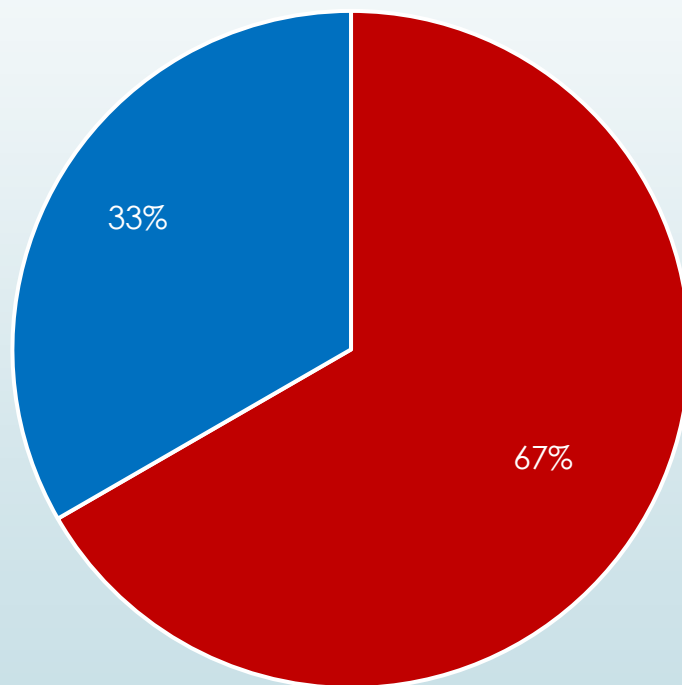
► III. kwartył o wartości 72 583 osób

| | |
|------------------|------------|
| Hillary Clinton | 12 270 606 |
| Donald Trump | 9 534 829 |
| Bernie Sanders | 8 864 925 |
| Ted Cruz | 5 415 065 |
| John Kasich | 3 199 886 |
| Marco Rubio | 2 529 143 |
| Ben Carson | 358 335 |
| <i>pozostali</i> | 62 973 |

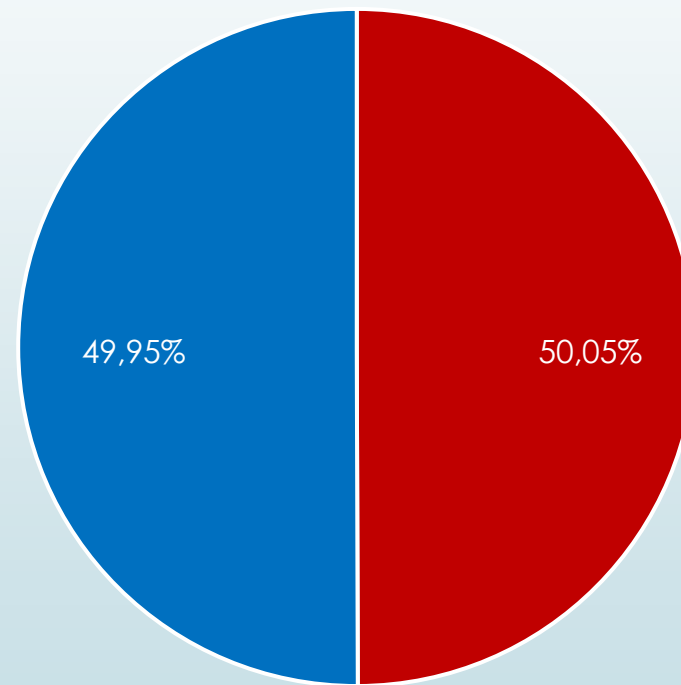


Republikanie vs Demokraci

■ I. kwartyl



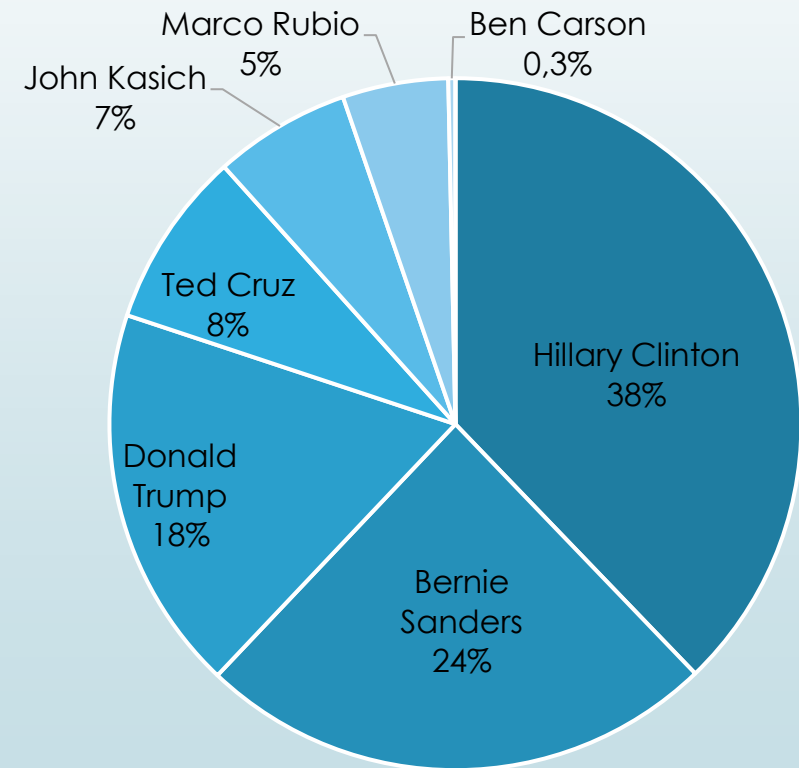
III. kwartyl



Najludniejsze hrabstwa

► Powyżej 1 mln mieszkańców

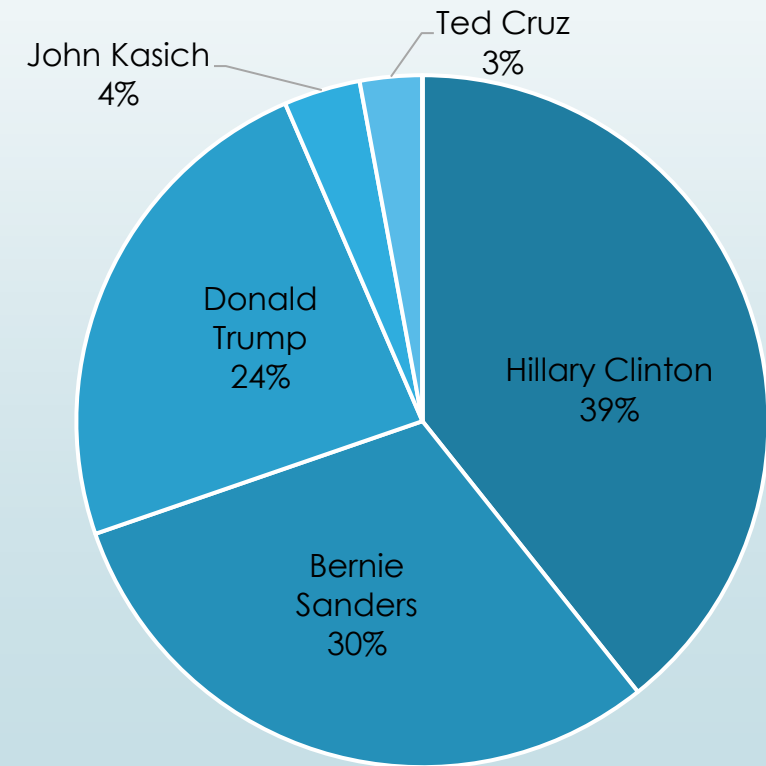
| | |
|-----------------|-----------|
| Hillary Clinton | 4 389 078 |
| Bernie Sanders | 2 816 172 |
| Donald Trump | 2 092 976 |
| Ted Cruz | 957 471 |
| John Kasich | 740 991 |
| Marco Rubio | 573 055 |
| Ben Carson | 37 929 |



Kalifornia

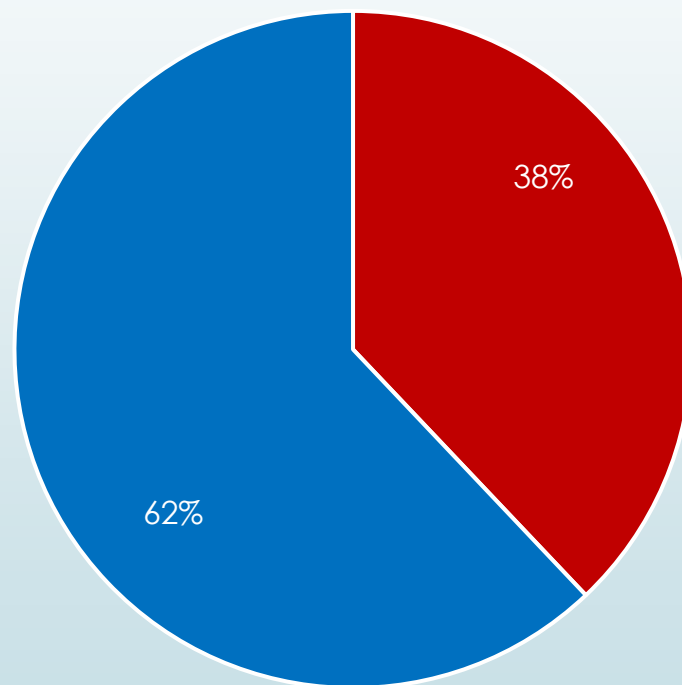
- Głosowanie w stanie, który ma najwięcej mieszkańców

| | |
|-----------------|-----------|
| Hillary Clinton | 1 940 580 |
| Bernie Sanders | 1 502 043 |
| Donald Trump | 1 174 829 |
| John Kasich | 176 620 |
| Ted Cruz | 144 125 |

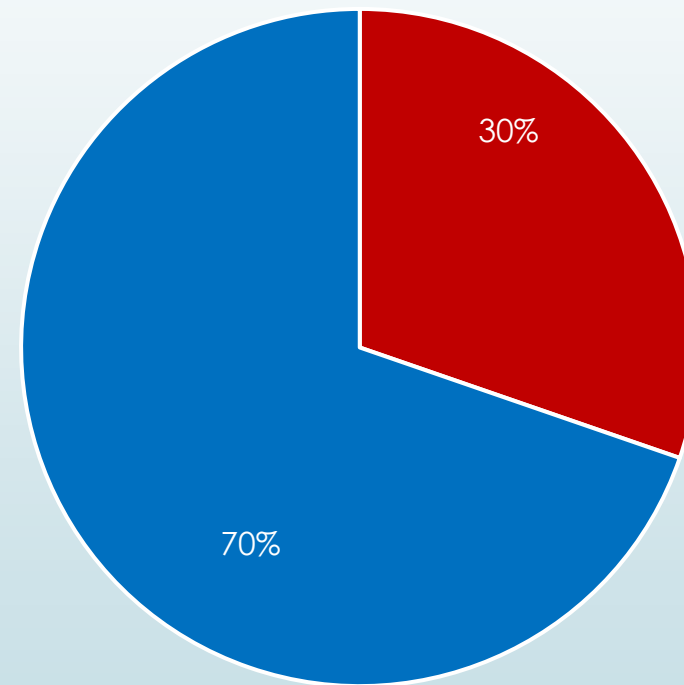


Republikanie vs Demokraci

► Hrabstwa powyżej 1 mln.



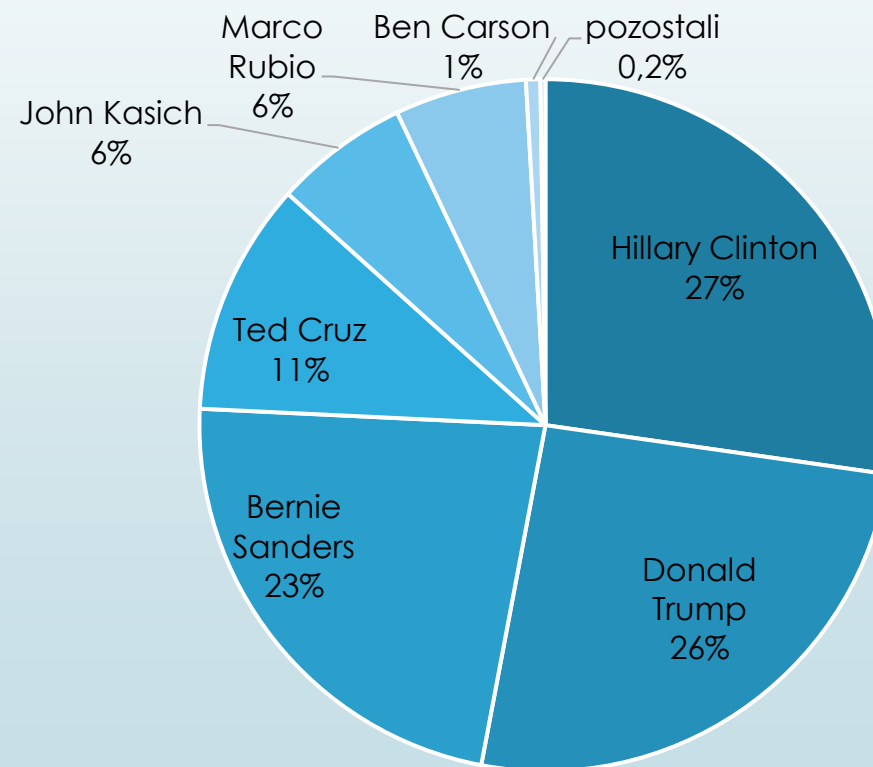
Kalifornia



Odsetek mieszkańców poniżej 18 roku

► I. kwartył o wartości 20,5%

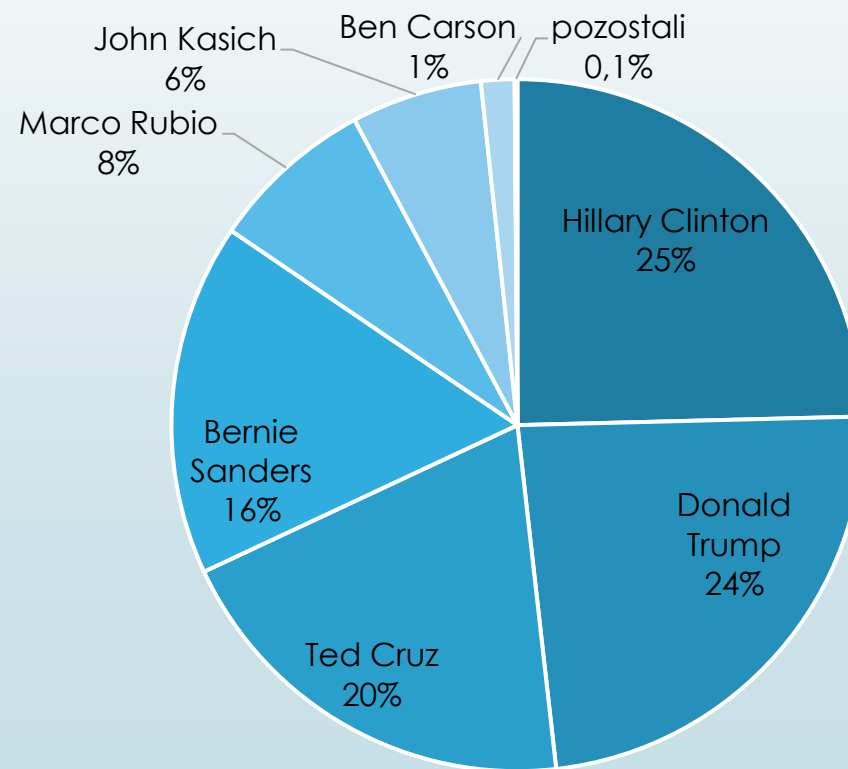
| | |
|------------------|-----------|
| Hillary Clinton | 2 485 959 |
| Donald Trump | 2 342 647 |
| Bernie Sanders | 2 077 162 |
| Ted Cruz | 992 755 |
| John Kasich | 574 101 |
| Marco Rubio | 560 730 |
| Ben Carson | 61 352 |
| <i>pozostali</i> | 20 725 |



Odsetek mieszkańców poniżej 18 roku

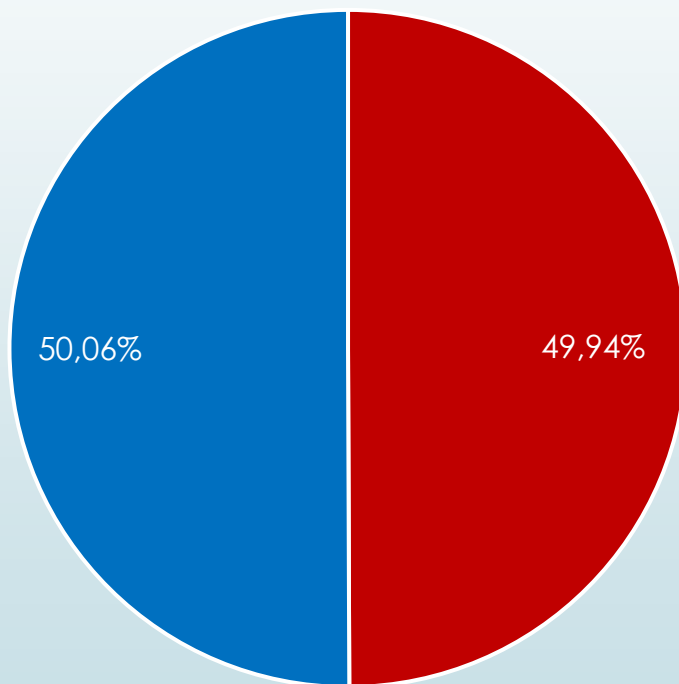
► III. kwartył o wartości 24,2%

| | |
|-----------------|-----------|
| Hillary Clinton | 3 609 351 |
| Donald Trump | 3 463 618 |
| Ted Cruz | 2 908 983 |
| Bernie Sanders | 2 414 338 |
| Marco Rubio | 1 128 936 |
| John Kasich | 895 766 |
| Ben Carson | 229 175 |
| pozostali | 19 369 |

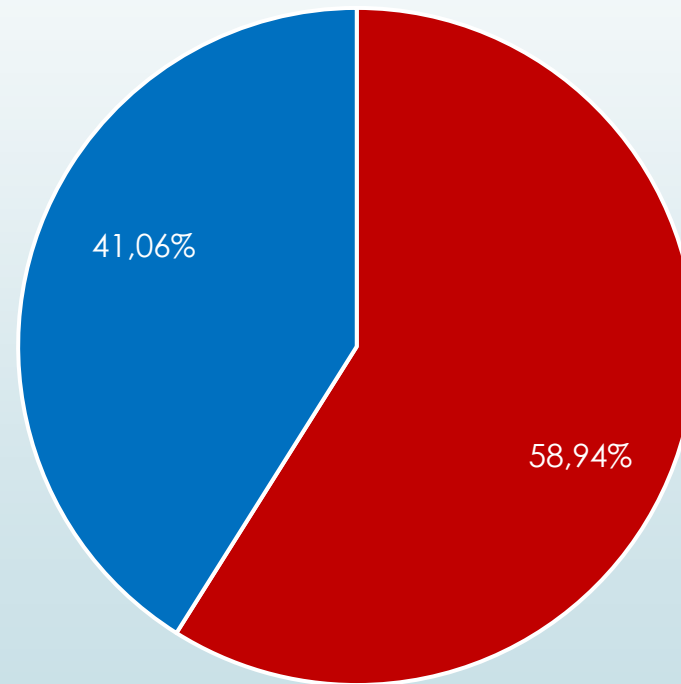


Republikanie vs Demokraci mieszkańcy poniżej 18 roku

■ I. kwartyl



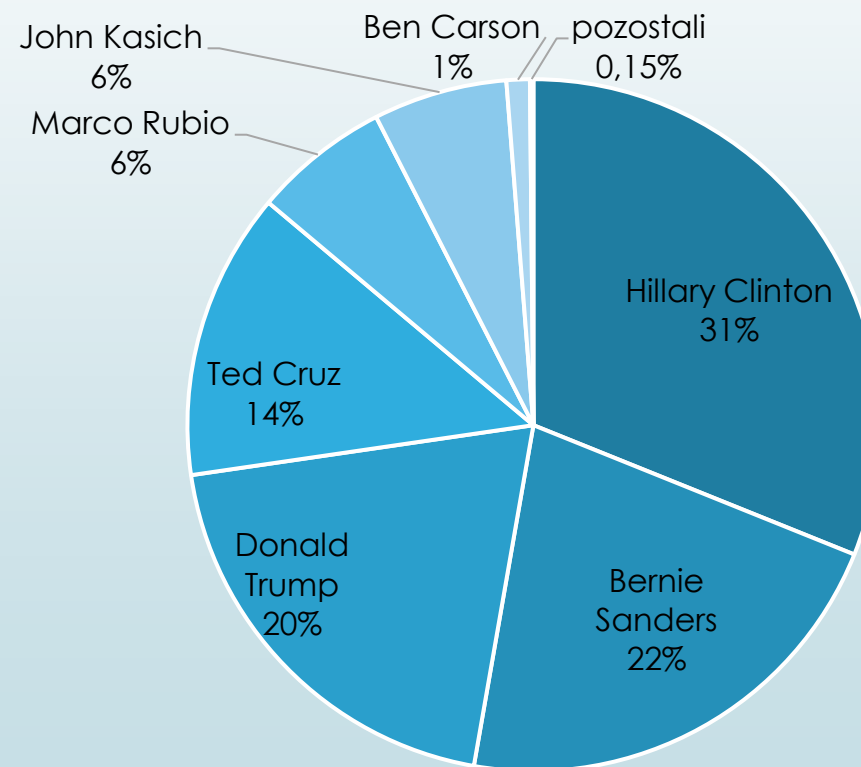
■ III. kwartyl



Odsetek seniorów

► I. kwartyl o wartości 14,7%

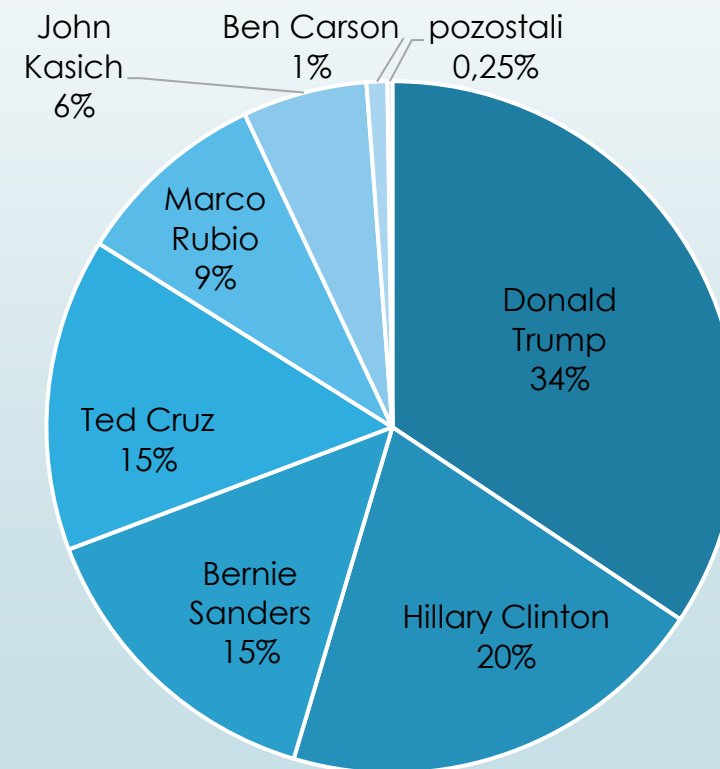
| | |
|-----------------|-----------|
| Hillary Clinton | 8 682 900 |
| Bernie Sanders | 6 048 448 |
| Donald Trump | 5 567 630 |
| Ted Cruz | 3 749 039 |
| Marco Rubio | 1 778 740 |
| John Kasich | 1 748 027 |
| Ben Carson | 303 609 |
| pozostali | 43 561 |



Odsetek seniorów

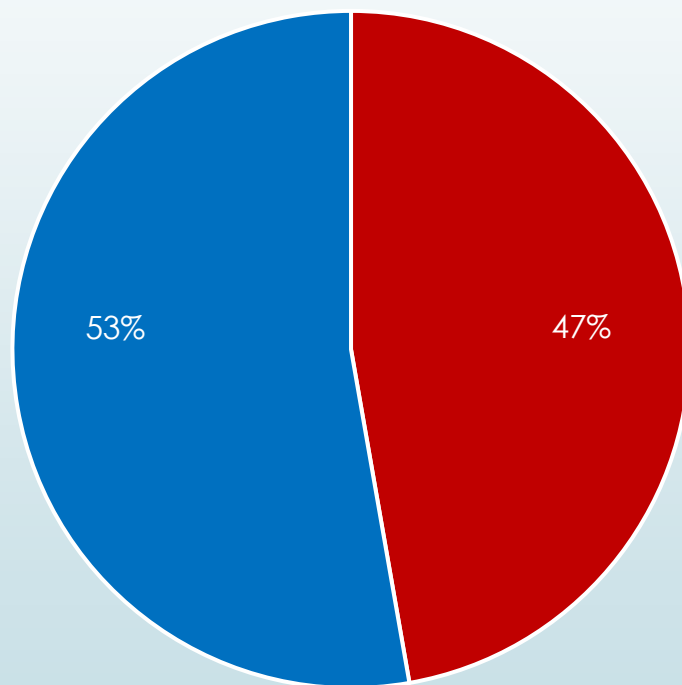
► III. kwartył o wartości 19,8%

| | |
|------------------|-----------|
| Donald Trump | 1 642 689 |
| Hillary Clinton | 967 219 |
| Bernie Sanders | 700 487 |
| Ted Cruz | 700 112 |
| Marco Rubio | 433 823 |
| John Kasich | 278 113 |
| Ben Carson | 46 419 |
| <i>pozostali</i> | 10 992 |

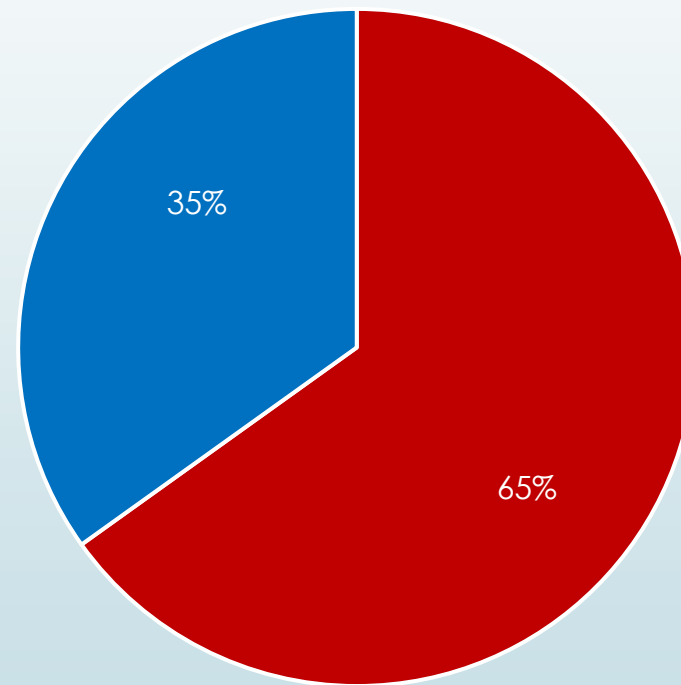


Republikanie vs Demokraci

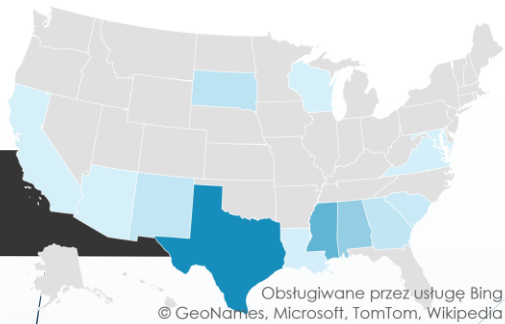
■ I. kwartyl



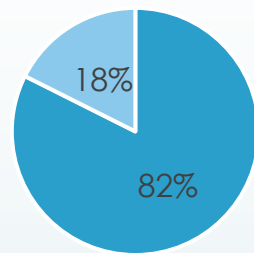
III. kwartyl



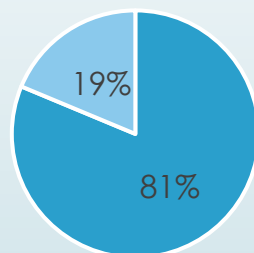
Grupy etniczne



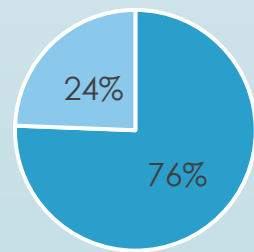
Black or African American



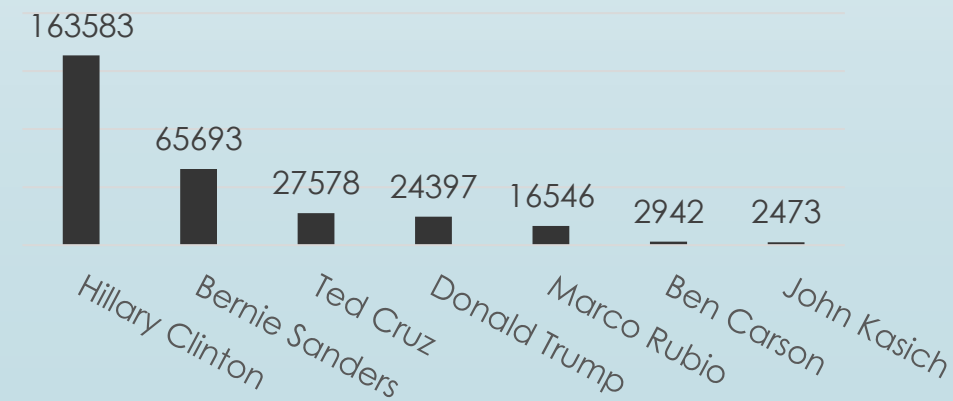
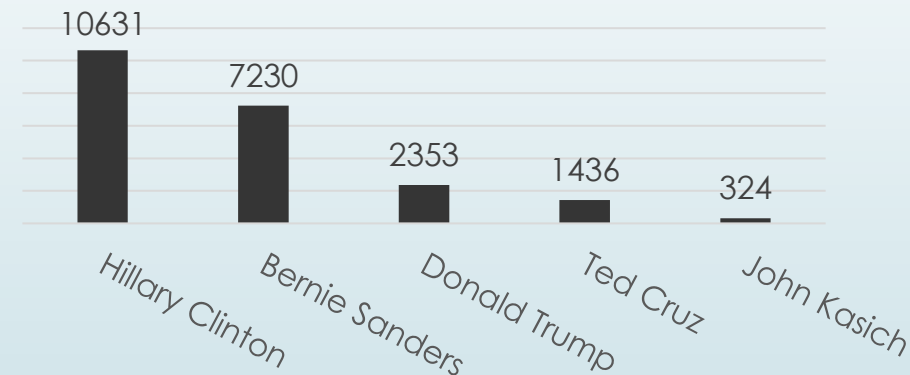
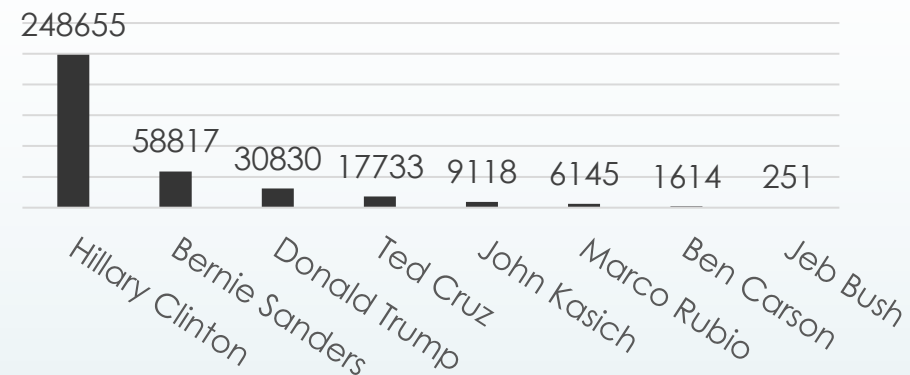
American Indian and Alaska native



Hispanic or Latino

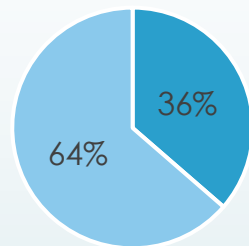


■ Democrat ■ Republican

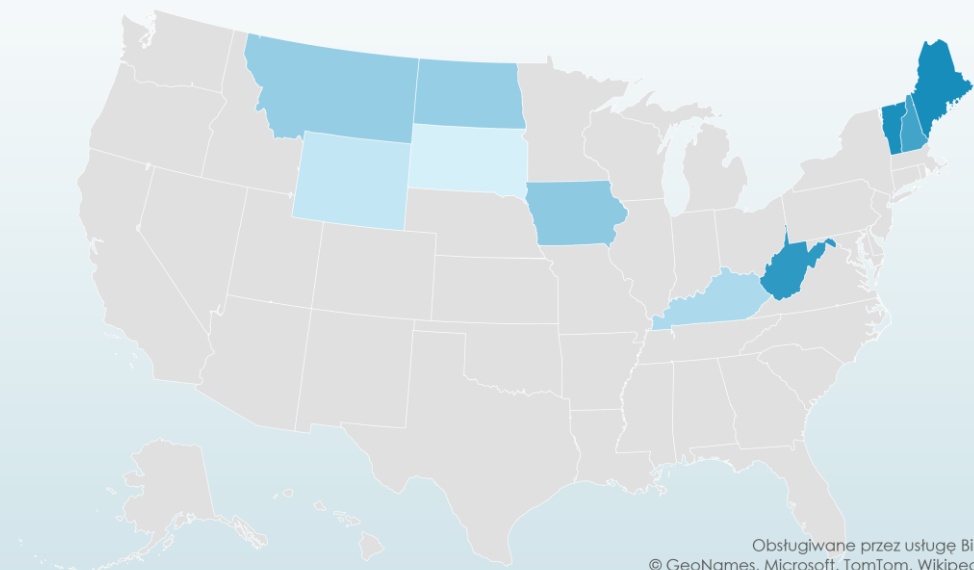
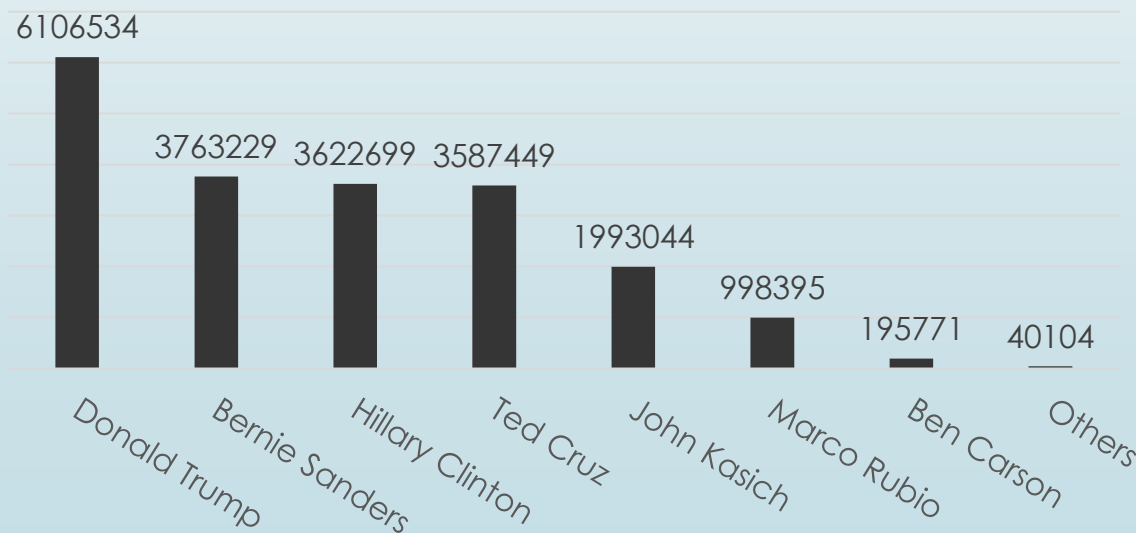


Grupy etniczne

White alone

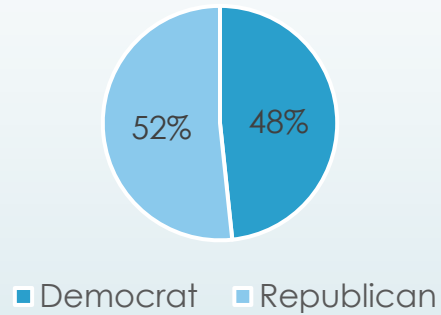


■ Democrat ■ Republican

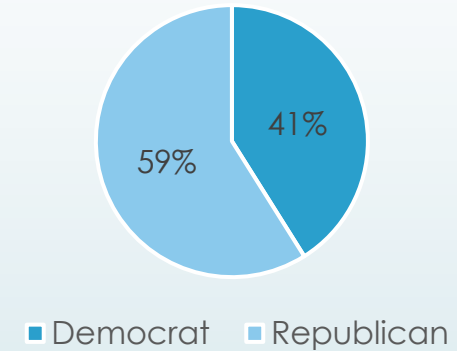


Na kogo głosują kobiety?

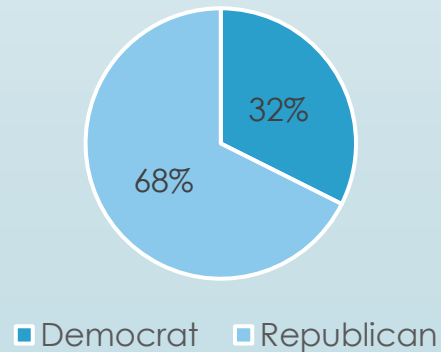
IV ćwiartka
25 % najwyższych wyników



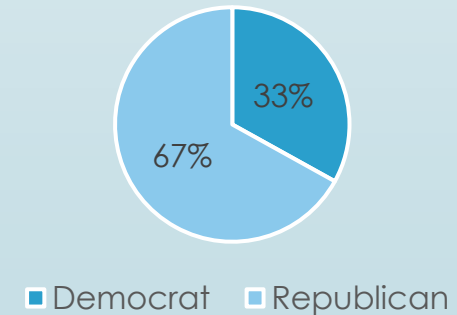
III ćwiartka



II ćwiartka

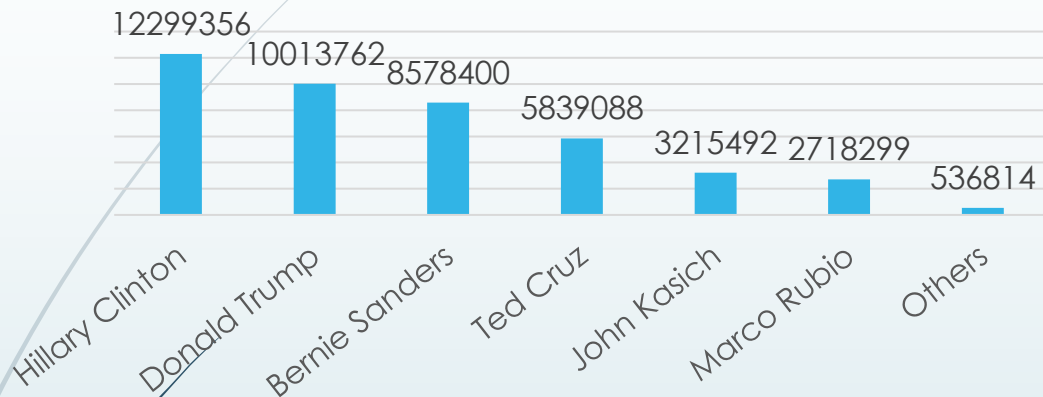


I ćwiartka
25% najniższych wyników

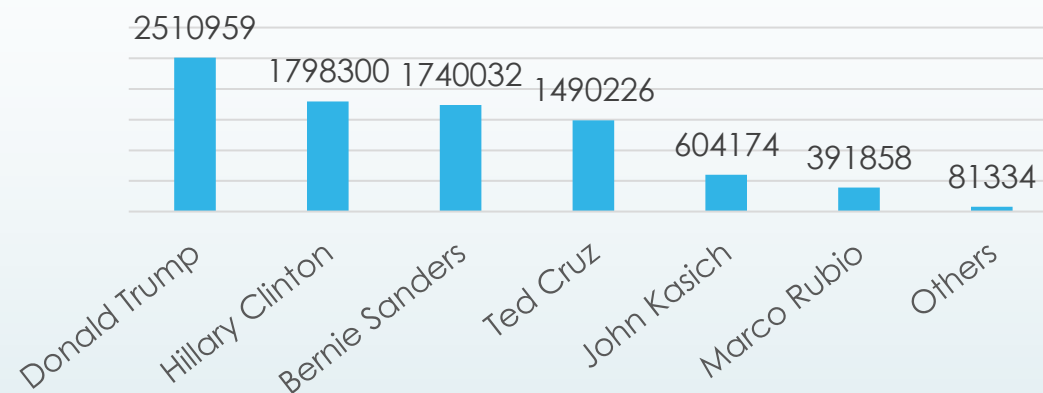


Na kogo głosują kobiety?

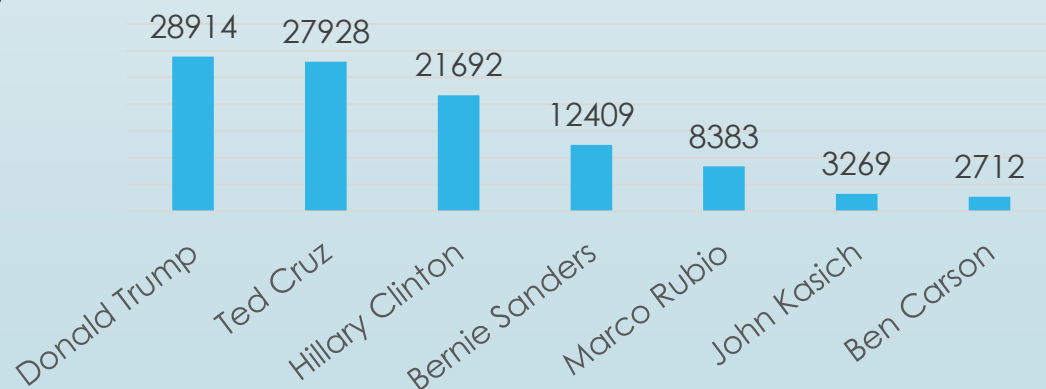
IV ćwiartka



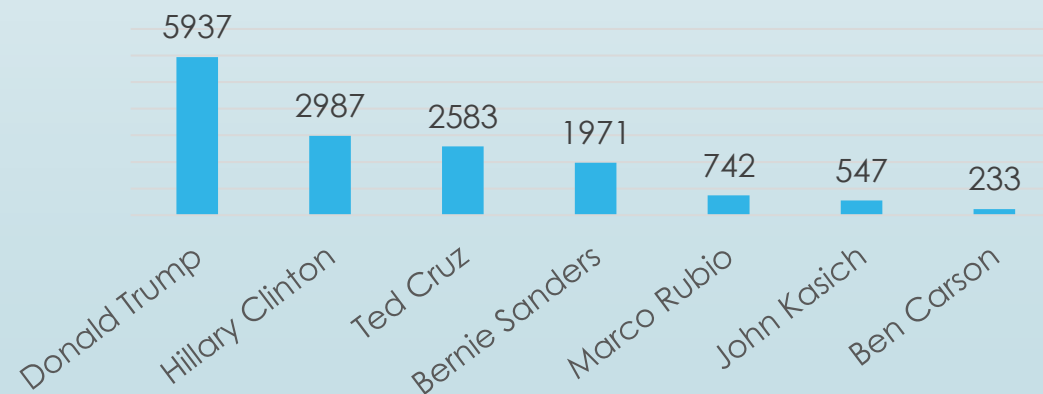
III ćwiartka



II ćwiartka

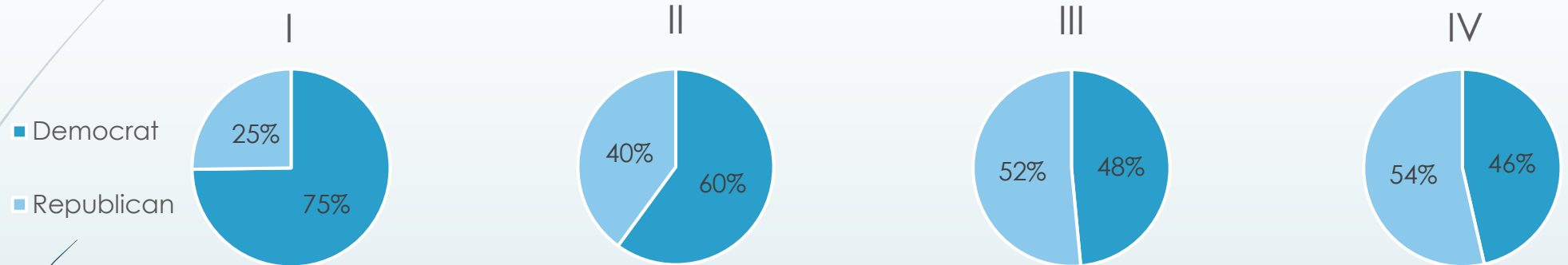


I ćwiartka

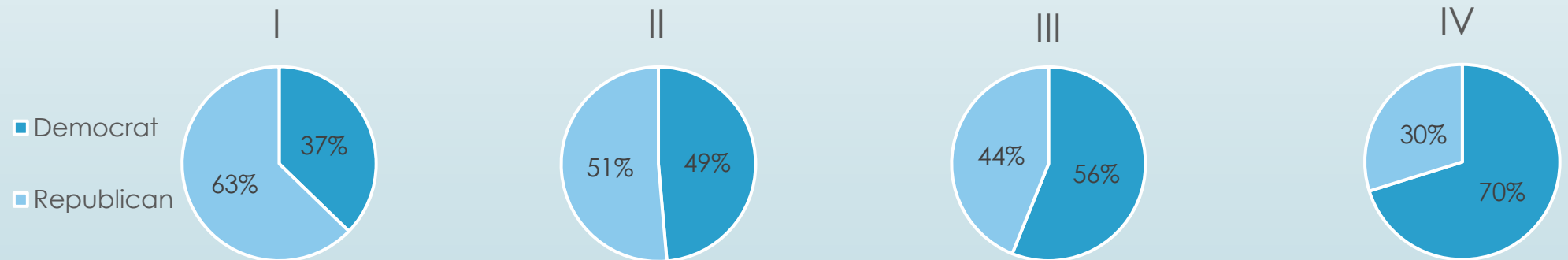


Czy wykształcenie ma znaczenie?

Ukończone liceum lub wyżej



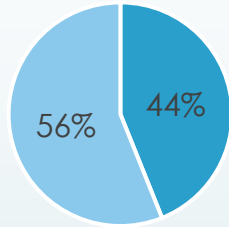
Ukończone studia I stopnia lub wyżej



Zarobki

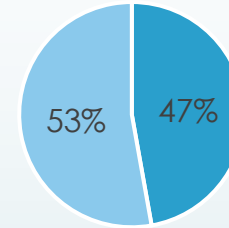
(mediana dochodu na domostwo)

< 45 tys.



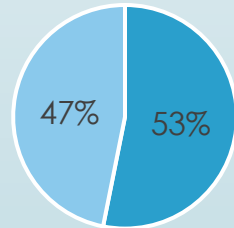
■ Democrat ■ Republican

45 - 70 tys.



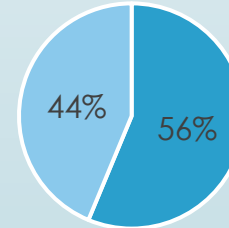
■ Democrat ■ Republican

70 - 95 tys.



■ Democrat ■ Republican

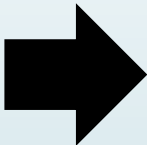
> 95 tys.



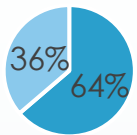
■ Democrat ■ Republican

Demografia: Biznes

| column_name | description |
|-------------|---|
| BZA010213 | Private nonfarm establishments, 2013 |
| BZA110213 | Private nonfarm employment, 2013 |
| NES010213 | Nonemployer establishments, 2013 |
| SBO001207 | Total number of firms, 2007 |
| MAN450207 | Manufacturers shipments, 2007 (\$1,000) |
| WTN220207 | Merchant wholesaler sales, 2007 (\$1,000) |
| RTN130207 | Retail sales, 2007 (\$1,000) |
| AFN120207 | Accommodation and food services sales, 2007 (\$1,000) |

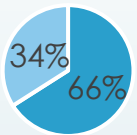


$< Q_1$



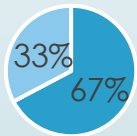
■ Republican ■ Democrat

$Q_1 < Q_2$



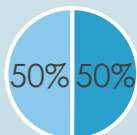
■ Republican ■ Democrat

$Q_2 < Q_3$



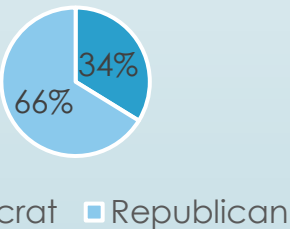
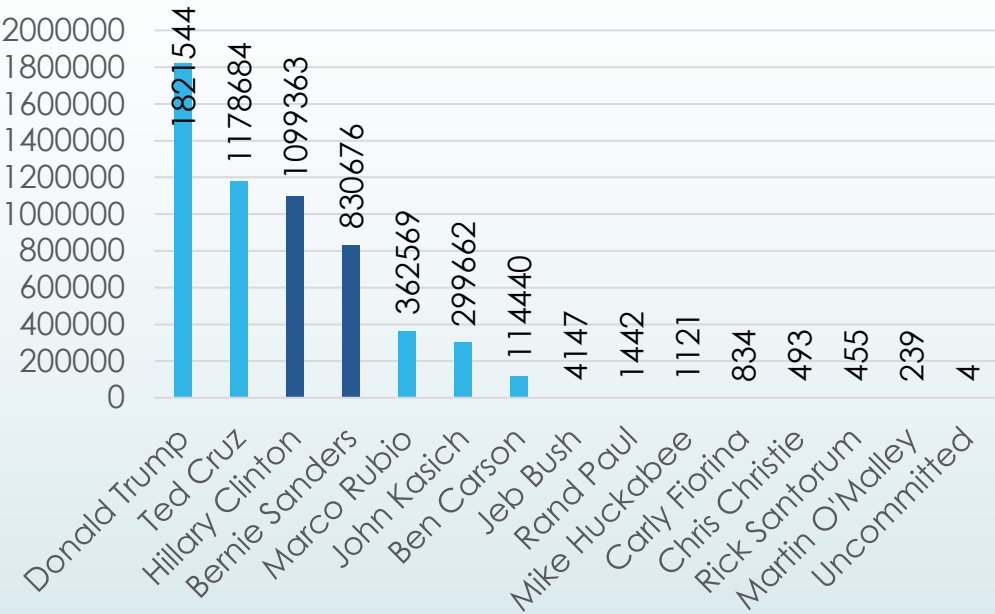
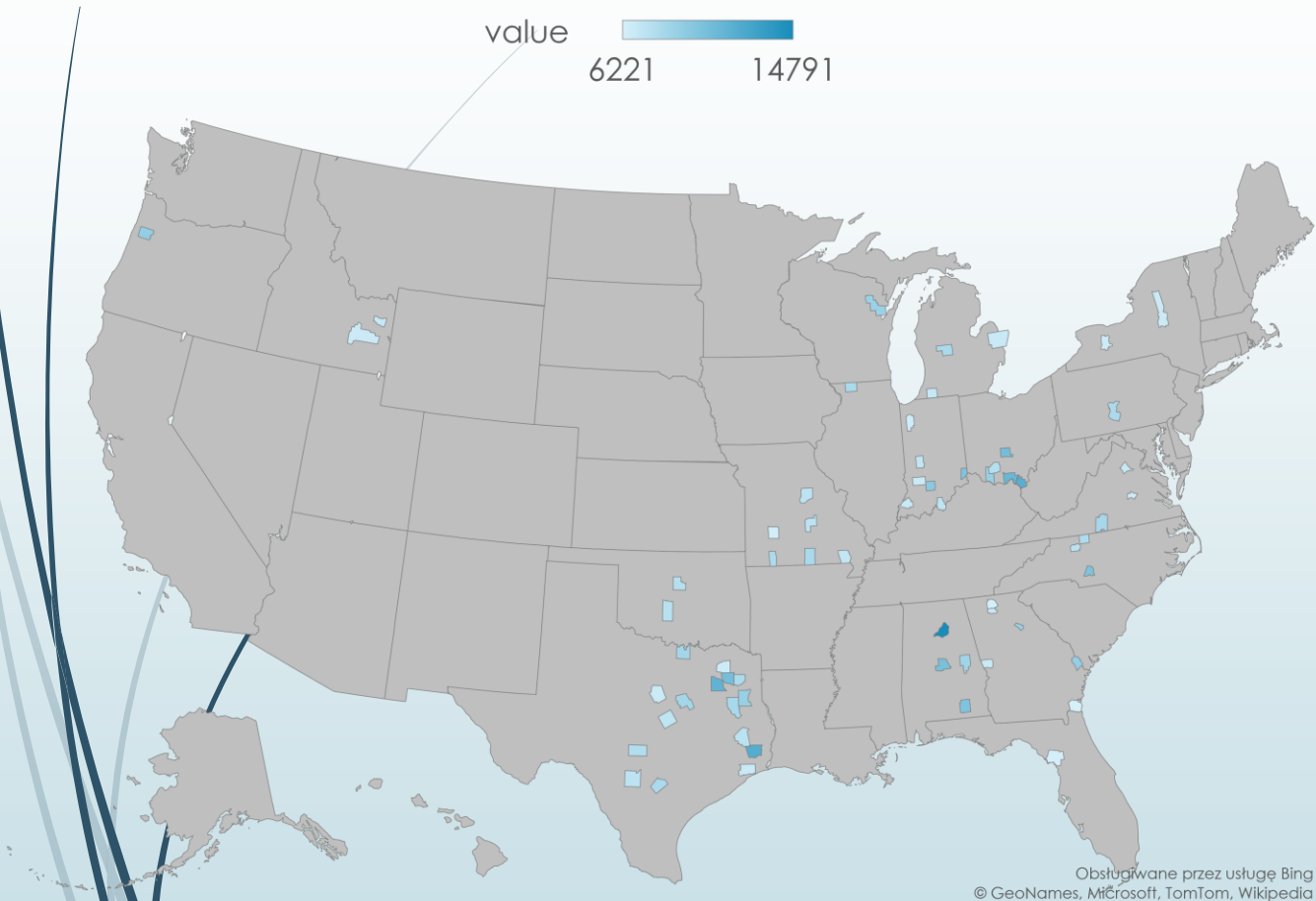
■ Republican ■ Democrat

$Q_3 <$



■ Democrat ■ Republican

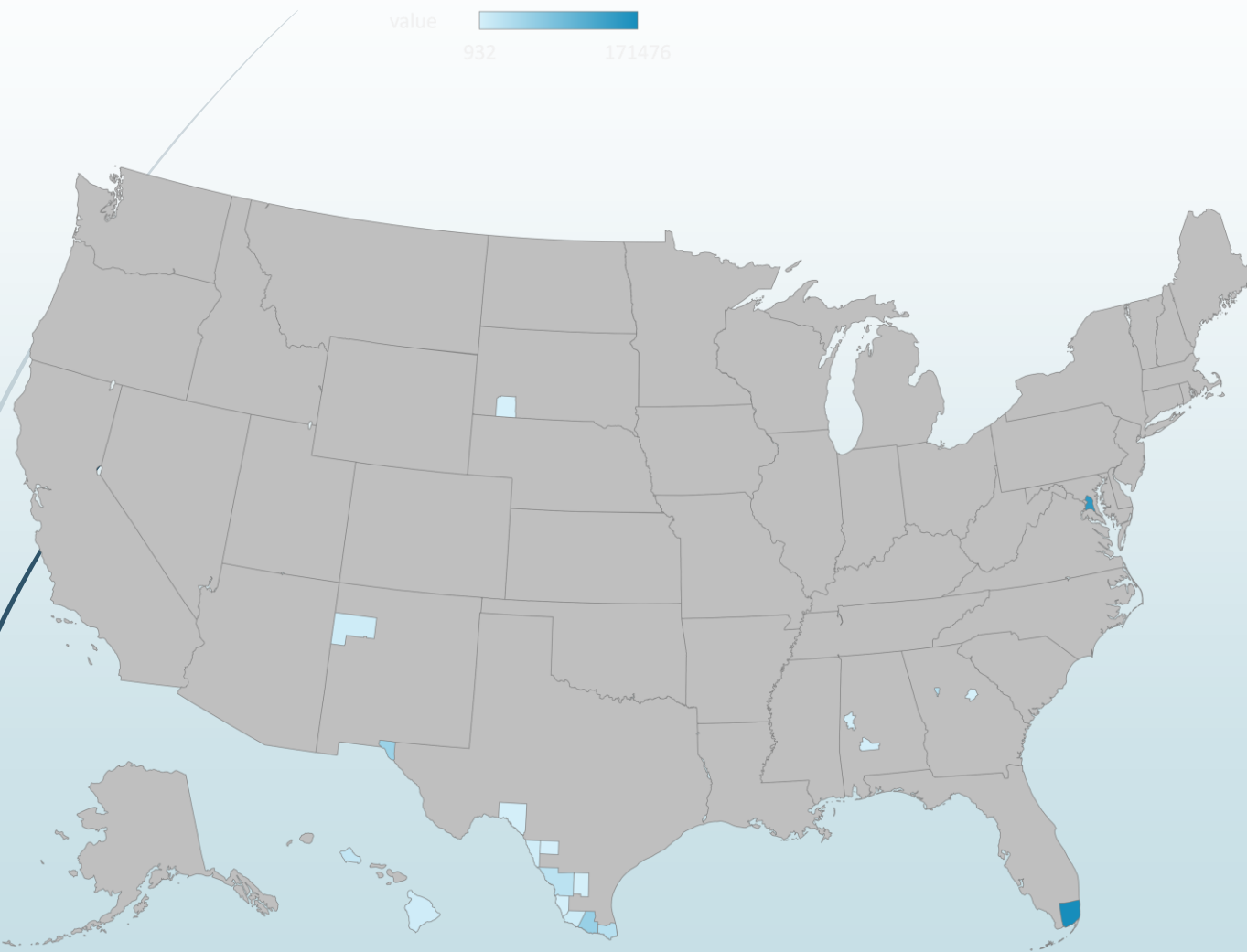
Demografia: Biznes



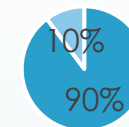
| column_name | korelacja |
|-------------|-----------|
| BZA010213 | -0.19 |
| BZA110213 | -0.19 |
| NES010213 | -0.18 |
| SBO001207 | -0.18 |
| MAN450207 | -0.14 |
| WTN220207 | -0.14 |
| RTN130207 | -0.19 |
| AFN120207 | -0.16 |

Demografia: Biznes a etniczność

Dla hrabstw z najwyższym udziałem:
(hrabstwa z górnego 25% zakresu min-max)

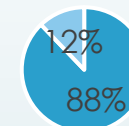


Black-owned firms



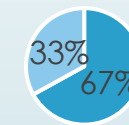
■ Democrat ■ Republican

American Indian- and Alaska Native-owned firms



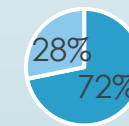
■ Democrat ■ Republican

Asian-owned firms



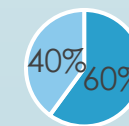
■ Democrat ■ Republican

Native Hawaiian- and Other Pacific Islander-owned firms



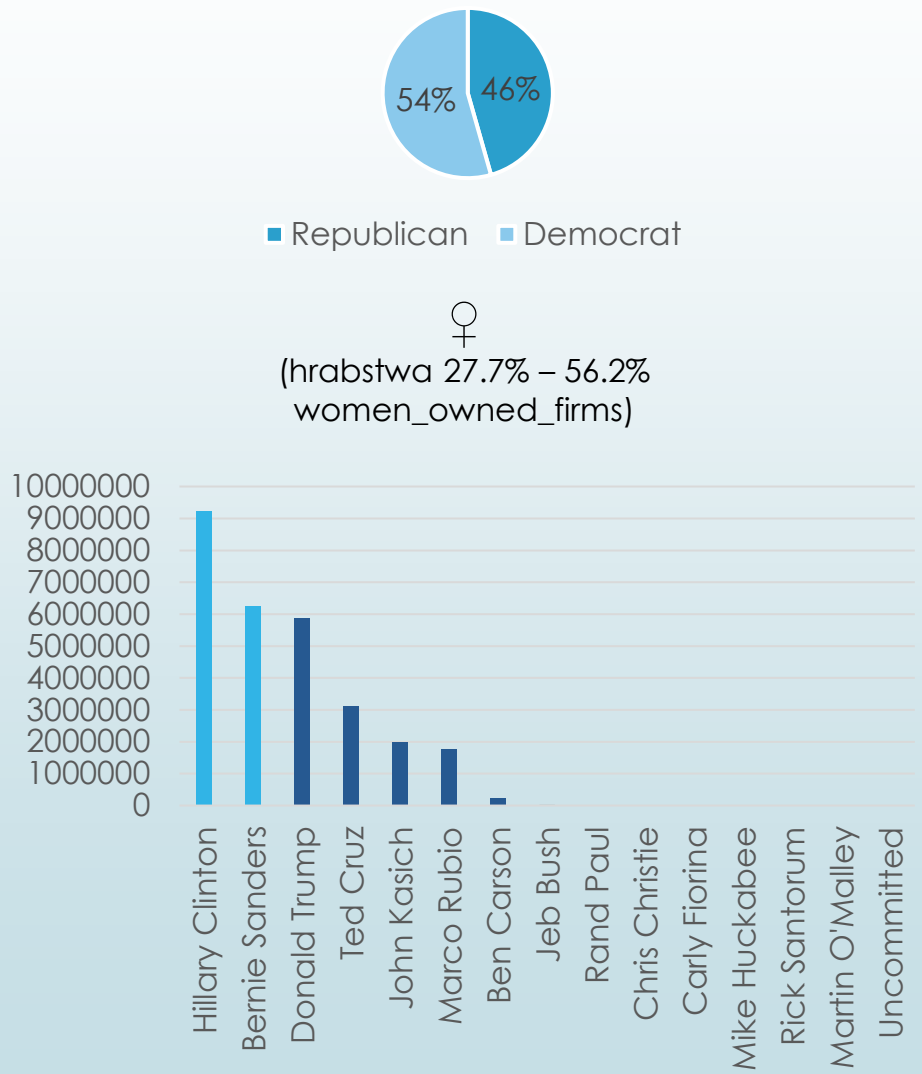
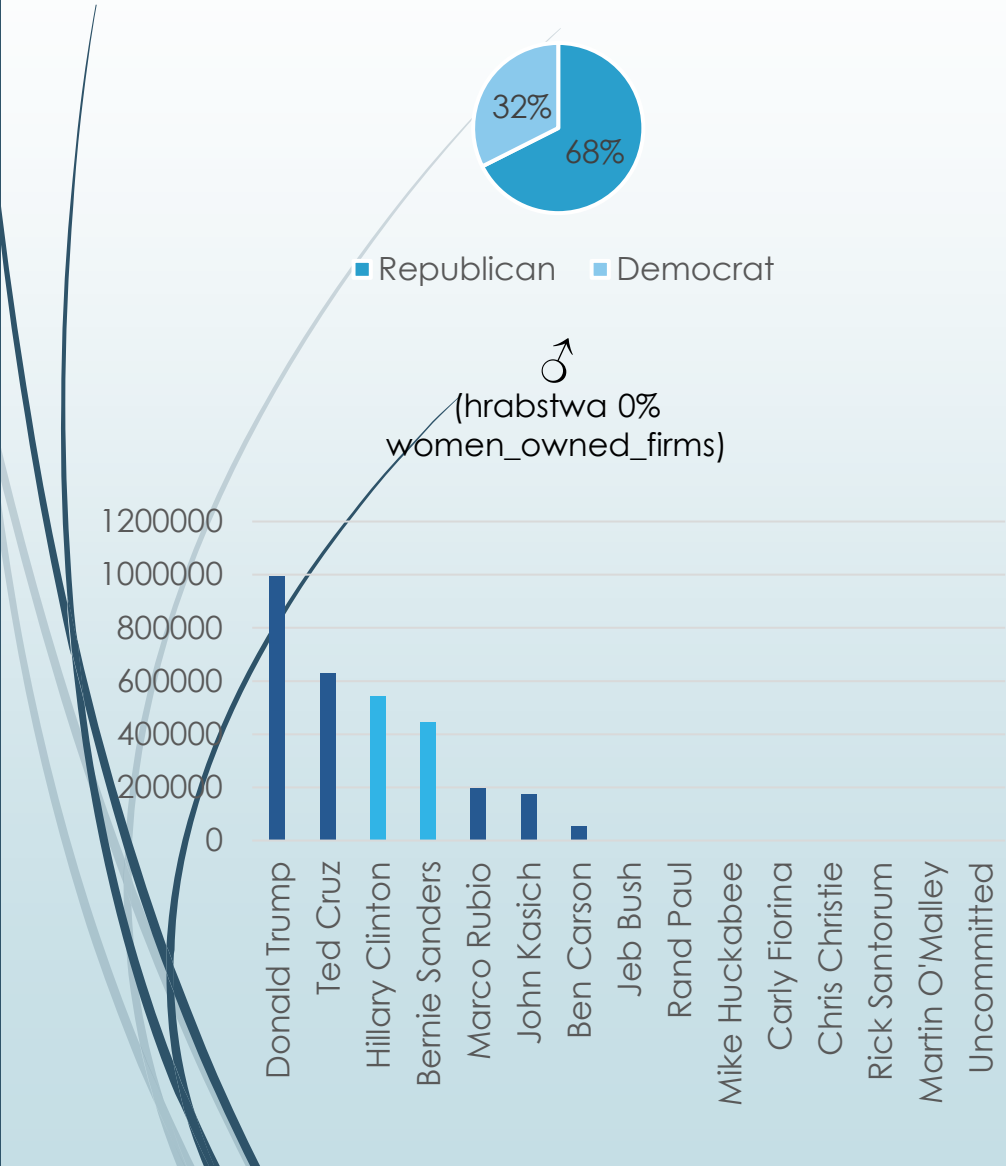
■ Democrat ■ Republican

Hispanic-owned firms

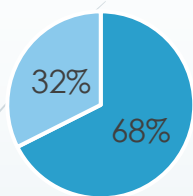


■ Democrat ■ Republican

Demografia: Biznes a płeć



Demografia: Biznes a płeć

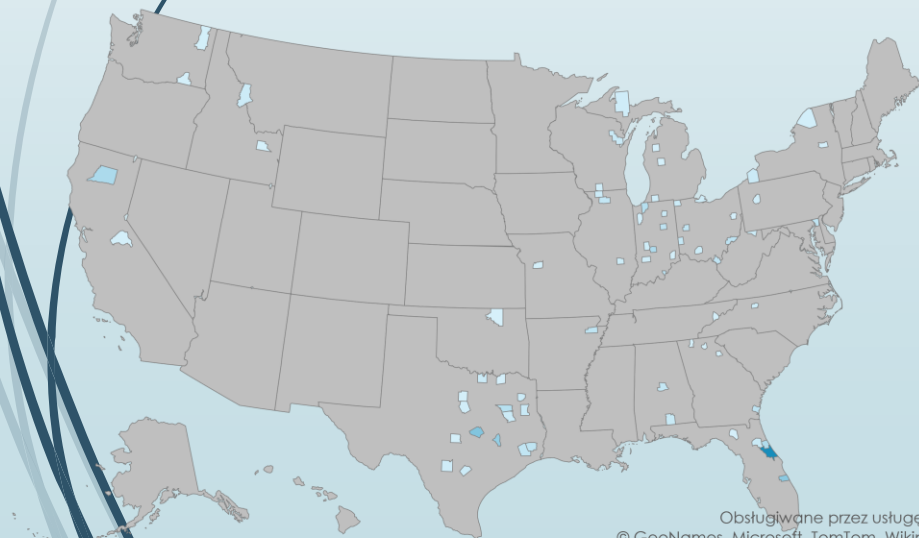


■ Republican ■ Democrat

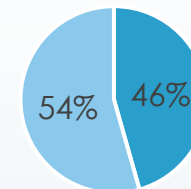


(hrabstwa 0%
women_owned_firms)

value 
5209 61542



Obsługiwane przez usługę Bing
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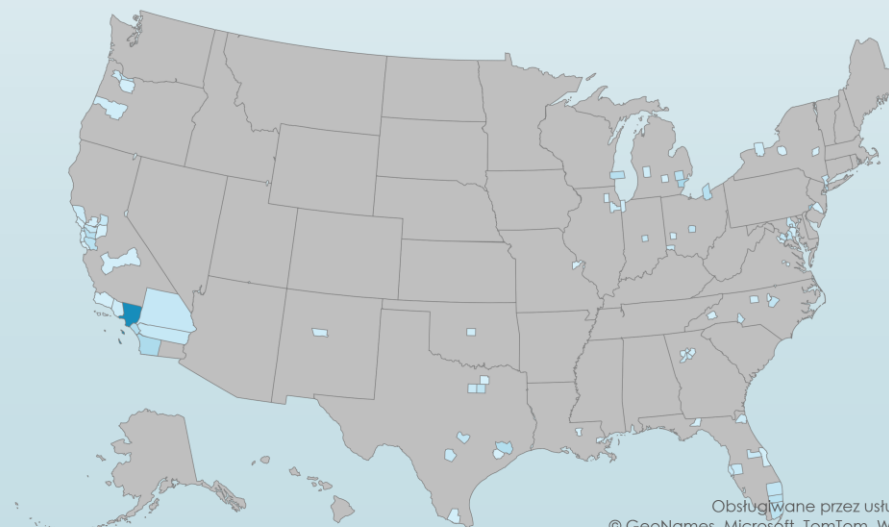


■ Republican ■ Democrat



(hrabstwa 27.7% – 56.2%
women_owned_firms)

value 
37509 1025158



Obsługiwane przez usługę Bing
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Nasz zespół

Paradoma



► Mariusz Majdak



► Paulina Rakowska



► Dorian Migoń