

Jak na świat patrzą magicy danych: o analizie, wizualizacji i drażeniu cyfrowego świata

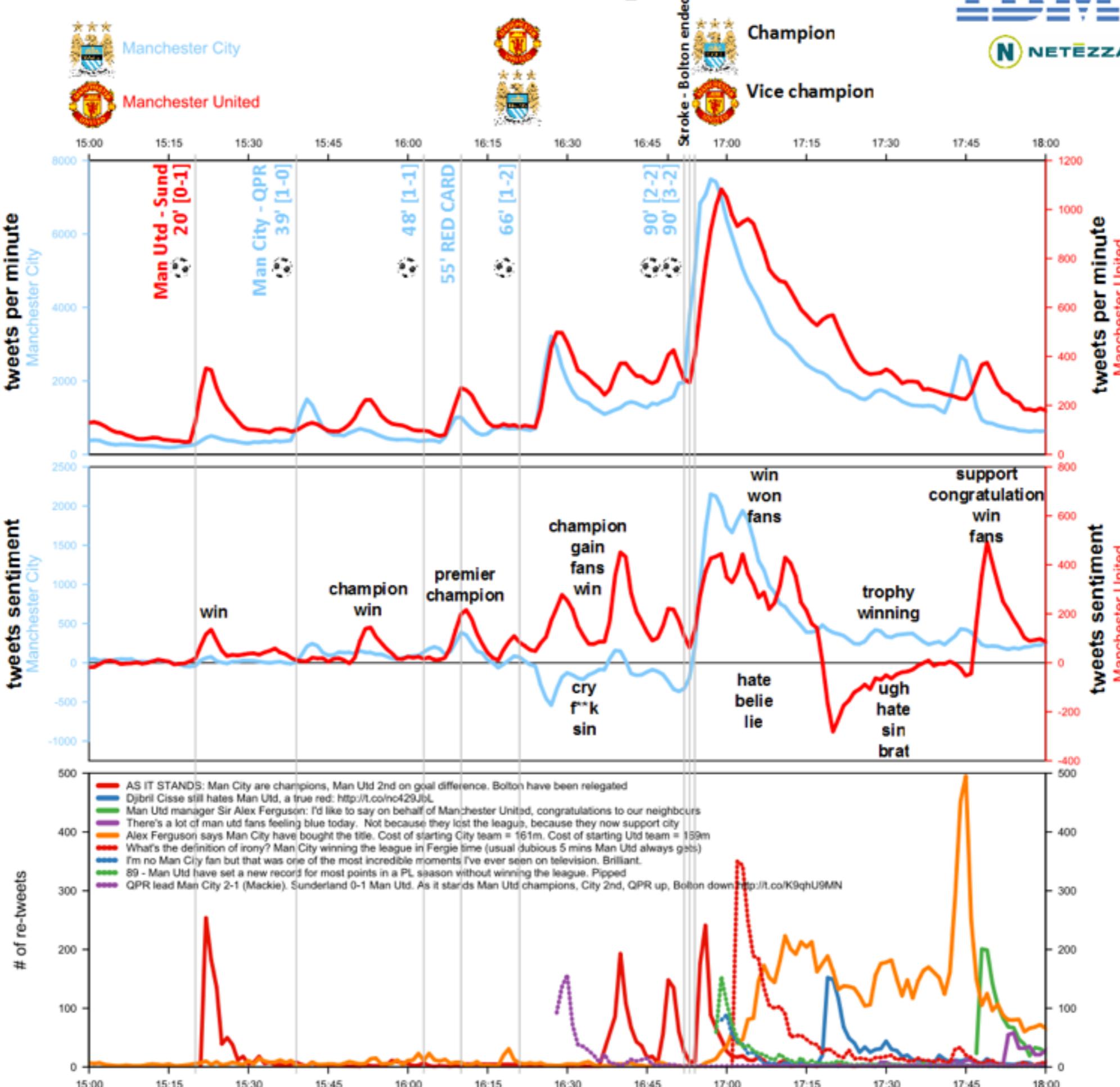
Przemysław Biecek

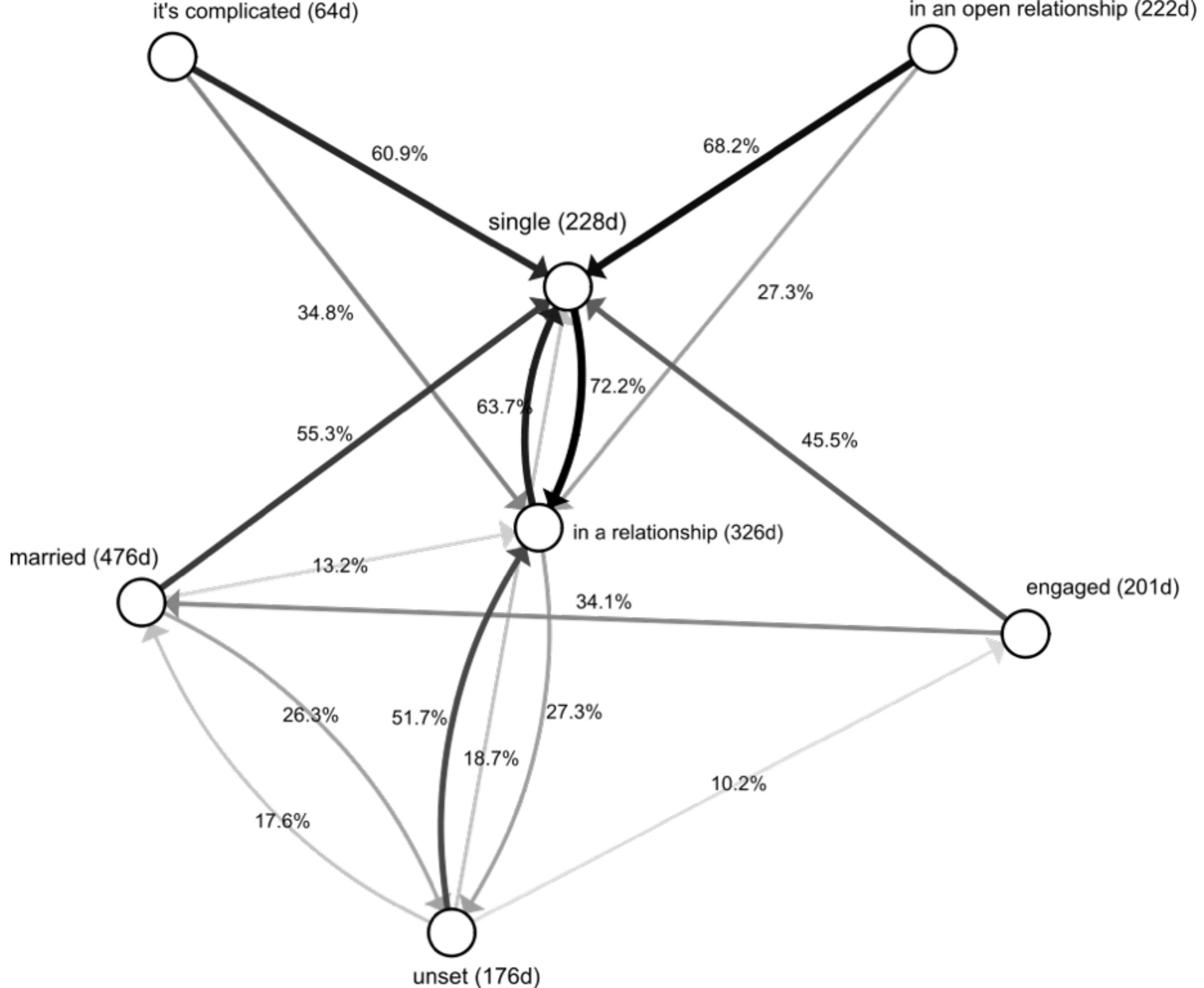
magia

1. «ogół wierzeń i praktyk opartych na przekonaniu o istnieniu mocy nadprzyrodzonych, które można opanować i wywoływać za pomocą zaklęć, obrzędów i czarów»
2. «niezwykła siła oddziaływania»
3. «zniewalający urok jakichś miejsc lub osób»

Inne spojrzenie na interesujące wydarzenia

Premier Emotions League



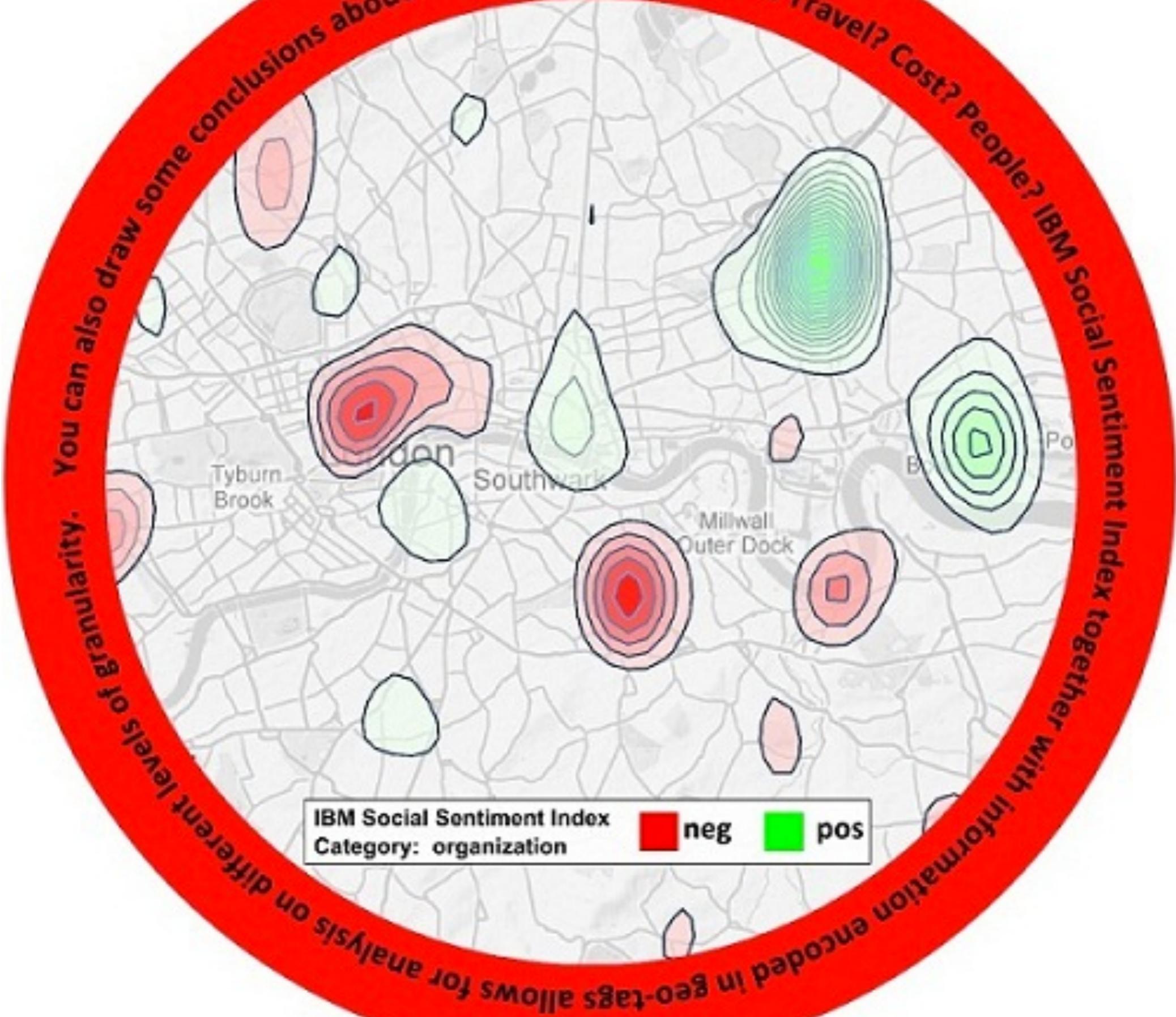


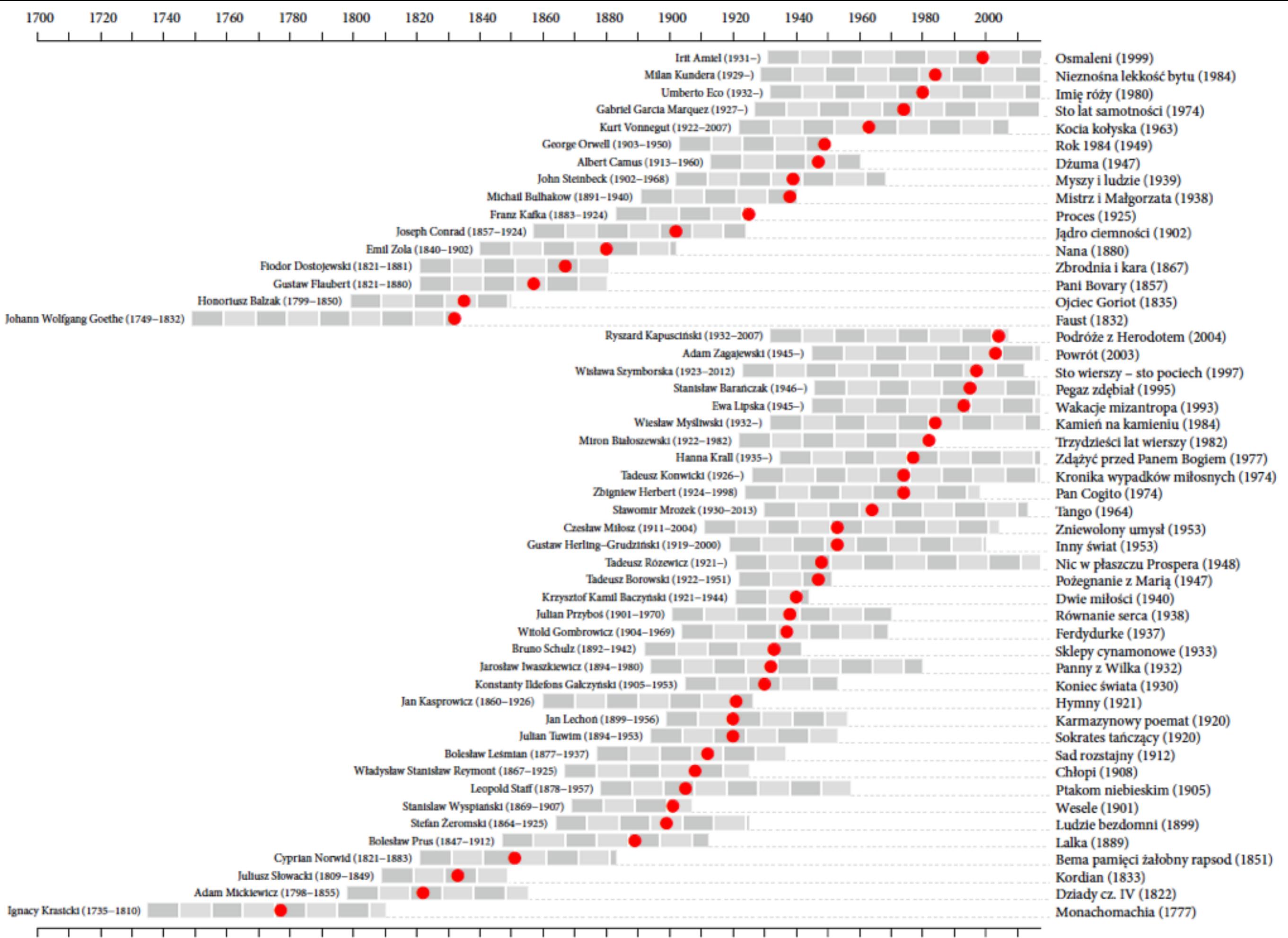


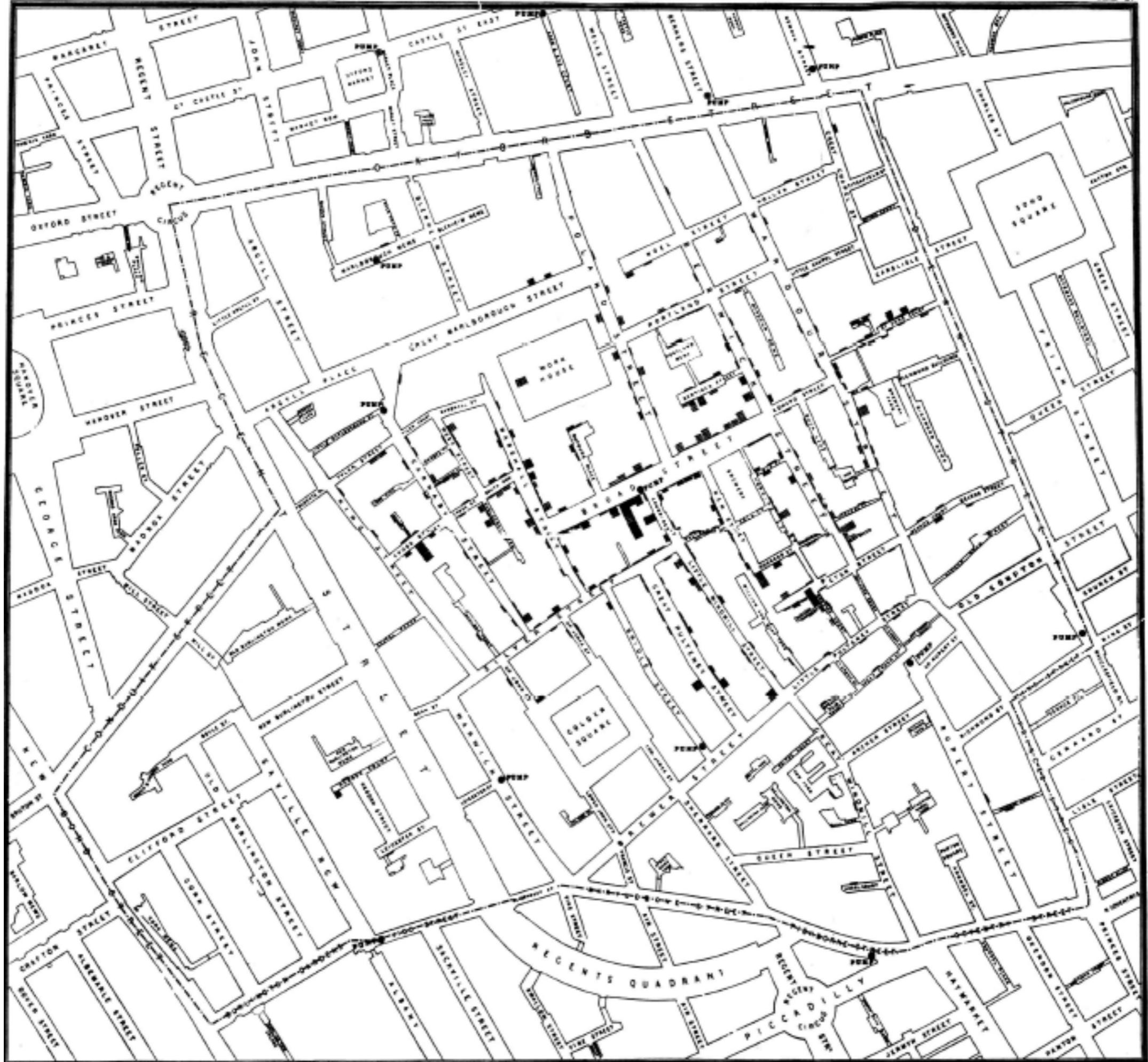
Bolt warms up the crowd. metre view(...)" Tweets have geolocation tags. Plot them on a blank sheet and discover London 2012 city map in high resolution. Track news down to a particular row on the Olympic Stadium: "Bolt warms up the

Some tweet more than others. Learn their schedule and favorite places during Olympics. However, be aware of what you share. This wander through the park, stadium and swimming-pool is now in public domain.

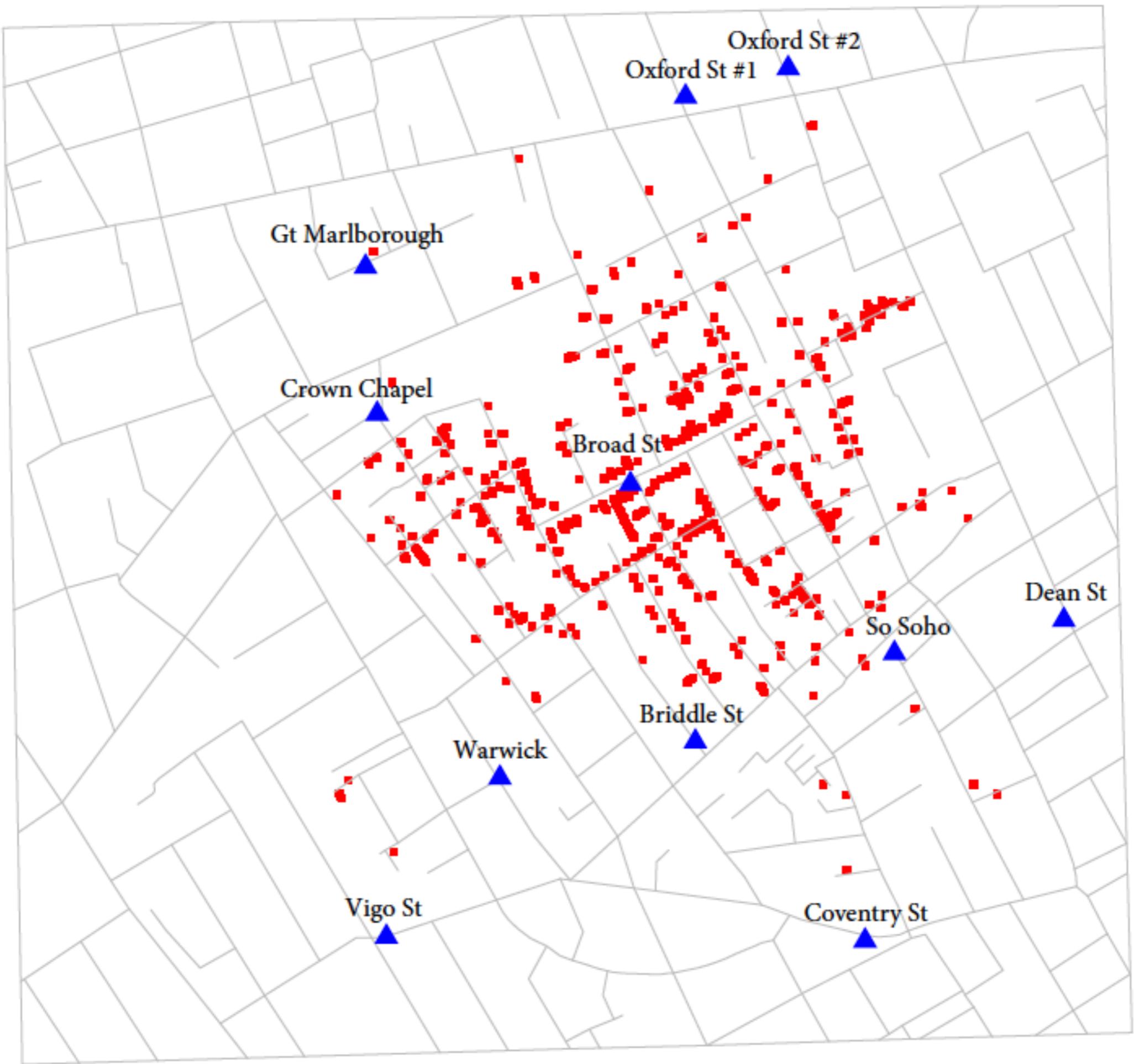






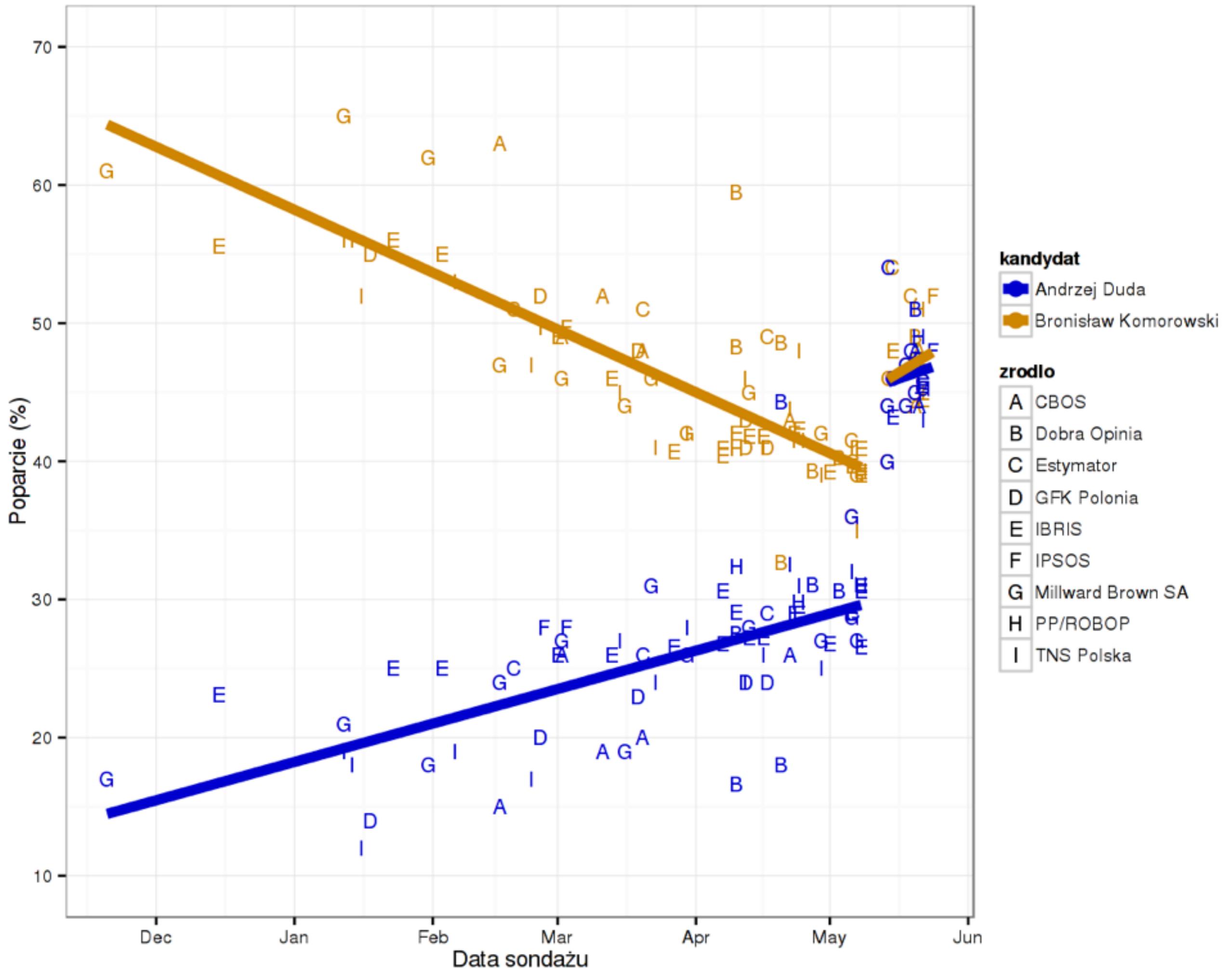


0 100 m.

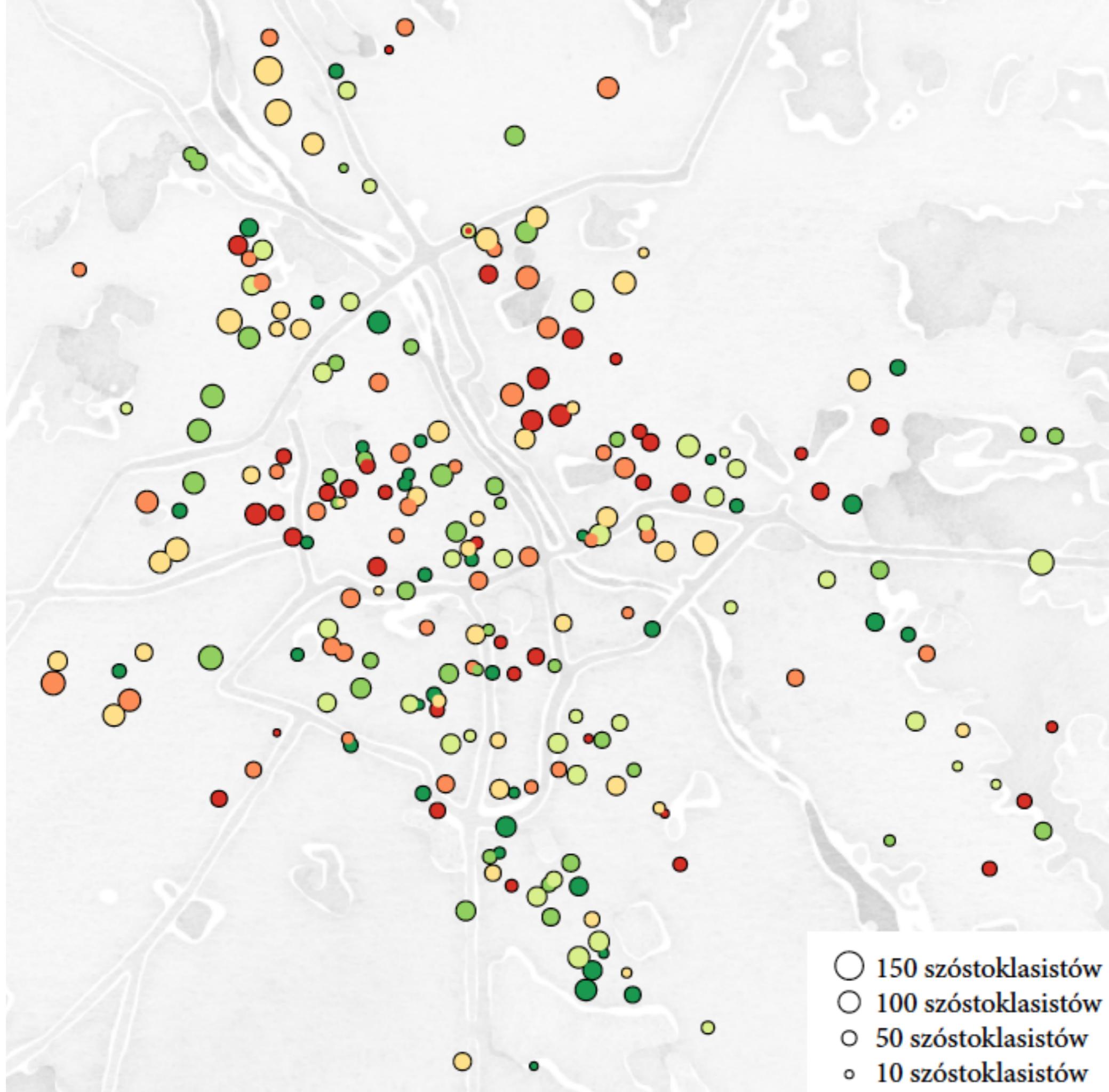


Próba zrozumienia mechanizmów
rządzących otaczającym nas światem

| | A | B | C | D | E | F | G | H | I |
|----|---|-------------|----------------------|--------------|---------------------|---------------|-------------|-----------------|----------------|
| 1 | źródło | Data | Bronisław Kaczkowski | Andrzej Duda | Magdalena Adamowicz | Janusz Korwin | Paweł Kukiz | Adam Jaruzelski | Janusz Palikot |
| 2 | Millward Brown SA | 12/sty/2015 | 65.0% | 21.0% | 6.0% | 3.0% | 0.0% | 0.0% | 1.0% |
| 3 | TNS Polska | 14/sty/2015 | 56.0% | 18.0% | 6.0% | 4.0% | 0.0% | 0.0% | 2.0% |
| 4 | Gfk Polonia | 18/sty/2015 | 55.0% | 14.0% | 4.0% | 3.0% | 0.0% | 0.0% | 2.0% |
| 5 | Millward Brown SA | 31/sty/2015 | 62.0% | 18.0% | 8.0% | 3.0% | 0.0% | 0.0% | 2.0% |
| 6 | TNS Polska | 5/lut/2015 | 53.0% | 19.0% | 5.0% | 2.0% | 0.0% | 1.0% | 2.0% |
| 7 | CBOS | 11/lut/2015 | 63.0% | 15.0% | 3.0% | 3.0% | 0.0% | 2.0% | 1.0% |
| 8 | IBRiS | 13/lut/2015 | 49.0% | 26.0% | 5.0% | 2.0% | 3.0% | 2.0% | 2.0% |
| 9 | Gfk Polonia | 16/lut/2015 | 52.0% | 20.0% | 4.0% | 2.0% | 3.0% | 2.0% | 2.0% |
| 10 | Millward Brown SA | 16/lut/2015 | 47.0% | 24.0% | 7.0% | 3.0% | 4.0% | 2.0% | 6.0% |
| 11 | Estymator | 17/lut/2015 | 51.0% | 25.0% | 8.0% | 3.0% | 5.0% | 4.0% | 2.0% |
| 12 | TNS Polska | 18/lut/2015 | 47.0% | 17.0% | 6.0% | 1.0% | 1.0% | 4.0% | 1.0% |
| 13 | IPSOS | 26/lut/2015 | 49.7% | 28.0% | 5.7% | 3.8% | 3.5% | 2.0% | 1.4% |
| 14 | Millward Brown SA | 2/mar/2015 | 46.0% | 27.0% | 8.0% | 4.0% | 4.0% | 3.0% | 2.0% |
| 15 | TNS Polska | 11/mar/2015 | 45.0% | 27.0% | 5.0% | 4.0% | 2.0% | 1.0% | 1.0% |
| 16 | CBOS | 11/mar/2015 | 52.0% | 19.0% | 3.0% | 1.0% | 2.0% | 1.0% | 2.0% |
| 17 | Gfk Polonia | 16/mar/2015 | 48.0% | 23.0% | 3.0% | 2.0% | 1.0% | 2.0% | 1.0% |
| 18 | CBOS | 20/mar/2015 | 48.0% | 20.0% | 2.0% | 4.0% | 2.0% | 1.0% | 1.0% |
| 19 | Millward Brown SA | 22/mar/2015 | 46.0% | 31.0% | 4.0% | 4.0% | 5.0% | 1.0% | 4.0% |
| 20 | TNS Polska | 23/mar/2015 | 41.0% | 24.0% | 6.0% | 2.0% | 2.0% | 2.0% | 1.0% |
| 21 | Millward Brown SA | 16/mar/2015 | 44.0% | 19.0% | 6.0% | 10.0% | 6.0% | 1.0% | 3.0% |
| 22 | Millward Brown SA | 30/mar/2015 | 42.0% | 26.0% | 7.0% | 6.0% | 4.0% | 2.0% | 3.0% |
| 23 | Polska Press Grupa przy współpracy z CBOS | 10/kwi/2015 | 48.3% | 27.5% | 7.2% | 6.2% | 0.0% | 2.6% | 0.5% |
| 24 | "Głos Koszaliński" we współpracy z CBOS | 10/kwi/2015 | 59.5% | 16.6% | 7.1% | 5.0% | 6.8% | 2.6% | 1.6% |
| 25 | Gfk Polonia | 12/kwi/2015 | 43.0% | 24.0% | 5.0% | 3.0% | 4.0% | 2.0% | 1.0% |
| 26 | TNS Polska | 12/kwi/2015 | 46.0% | 24.0% | 3.0% | 4.0% | 6.0% | 1.0% | 2.0% |
| 27 | Millward Brown SA | 13/kwi/2015 | 45.0% | 28.0% | 4.0% | 6.0% | 6.0% | 2.0% | 2.0% |
| 28 | IBRiS | 13/kwi/2015 | 41.8% | 27.2% | 3.0% | 2.7% | 8.2% | 2.2% | 2.7% |
| 29 | TNS Polska | 16/kwi/2015 | 41.0% | 26.0% | 5.0% | 1.0% | 5.0% | 3.0% | 1.0% |
| 30 | "Głos Koszaliński" we współpracy z CBOS | 20/kwi/2015 | 48.6% | 18.0% | 9.3% | 7.7% | 11.2% | 1.9% | 1.6% |
| 31 | Polska Press Grupa przy współpracy z CBOS | 20/kwi/2015 | 32.7% | 44.3% | 7.6% | 6.2% | 4.0% | 1.1% | 1.8% |
| 32 | TNS Polska | 22/kwi/2015 | 43.8% | 32.5% | 4.4% | 7.4% | 8.0% | 1.7% | 0.0% |
| 33 | CBOS | 22/kwi/2015 | 43.0% | 26.0% | 4.0% | 4.0% | 7.0% | 2.0% | 1.0% |
| 34 | TNS Polska | 24/kwi/2015 | 48.0% | 31.0% | 6.0% | 4.0% | 6.0% | 3.0% | 1.0% |
| 35 | TNS Polska | 29/kwi/2015 | 39.0% | 25.0% | 4.0% | 4.0% | 11.0% | 2.0% | 2.0% |
| 36 | Millward Brown SA | 29/kwi/2015 | 42.0% | 27.0% | 3.0% | 5.0% | 9.0% | 1.0% | 2.0% |
| 37 | Polska Press Grupa przy współpracy z CBOS | 3/maj/2015 | 40.3% | 30.6% | 6.6% | 4.6% | 13.5% | 2.7% | 1.2% |
| 38 | Millward Brown SA | 6/maj/2015 | 36.0% | 36.0% | 6.0% | 5.0% | 8.0% | 0.0% | 2.0% |



Próba wykorzystania otaczających nas danych
w celu podejmowania lepszych decyzji



- 150 szóstoklasistów
- 100 szóstoklasistów
- 50 szóstoklasistów
- 10 szóstoklasistów

Wybierz jeden lub więcej filmów

[W ciemnosc: Star Trek](#) [X-Men: Pierwsza klasa](#) [Mission: Impossible III](#) [Whiplash](#)

Dodaj drugi poziom

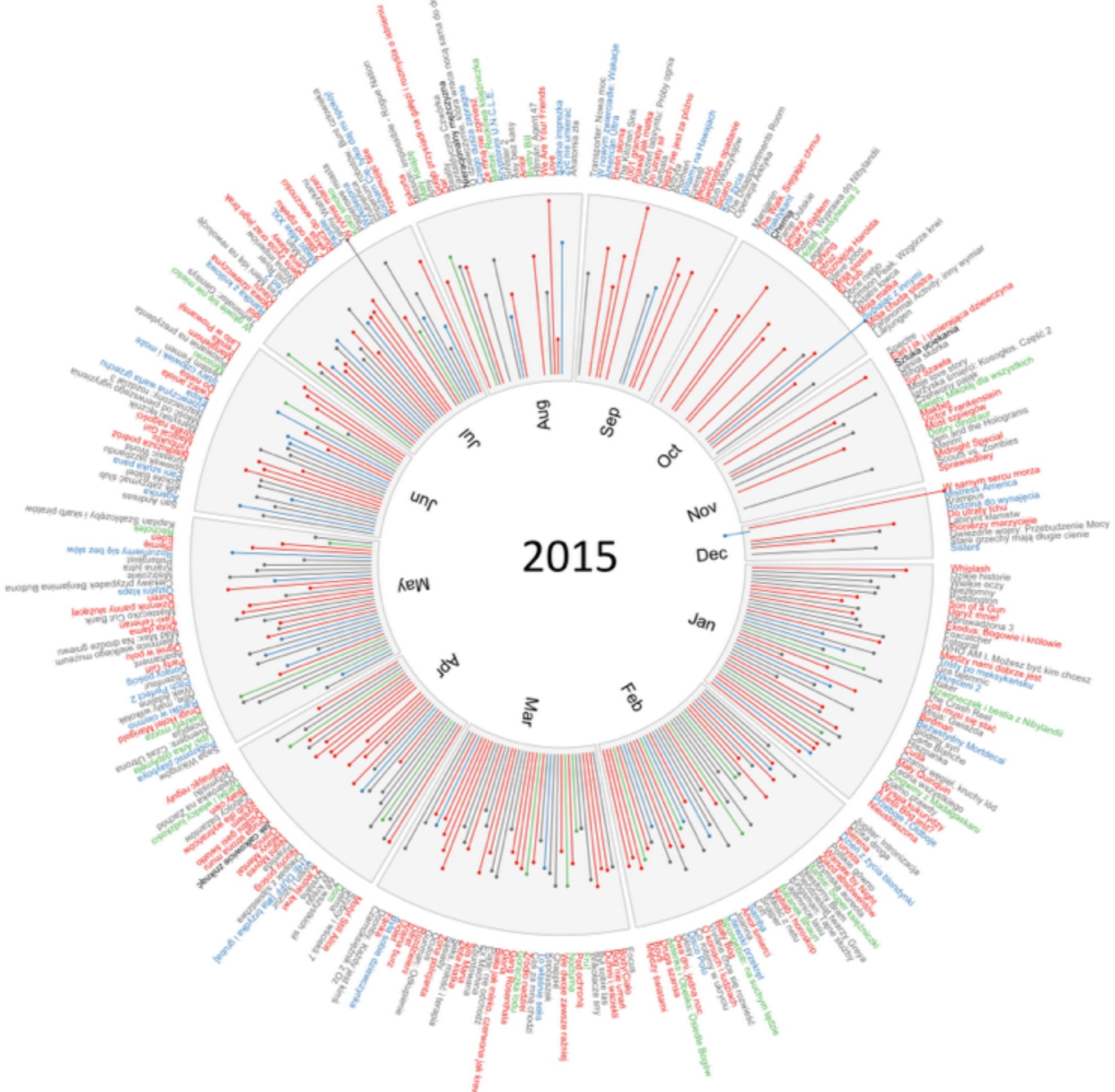


W ciemnosc: Star Trek (Action, Adventure, Sci-Fi / J.J. Abrams) 7.8|8.1|8.4|7.9|7.7|7.8|7.6|7.2

X-Men: Pierwsza klasa (Action, Adventure, Sci-Fi / Matthew Vaughn) 7.8|7.9|8.3|7.9|7.6|7.5|7.6|7.2

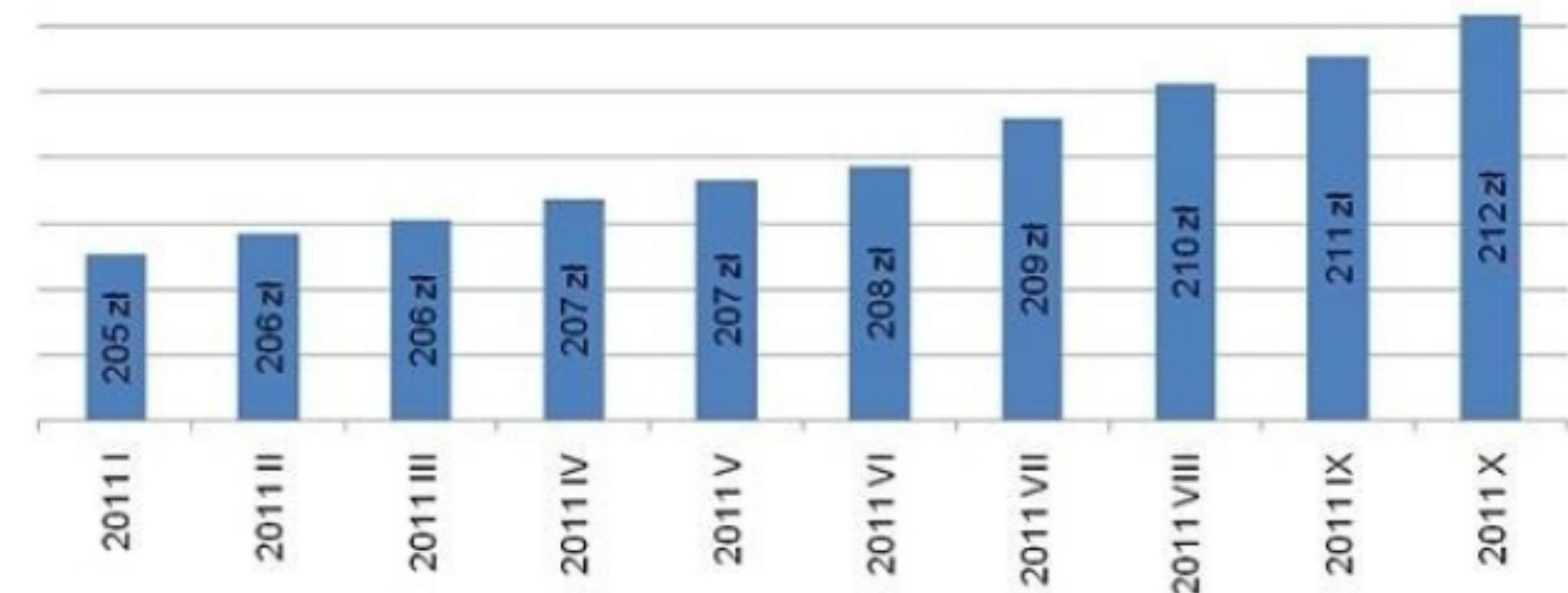
Mission: Impossible III (Action, Adventure, Thriller / J.J. Abrams) 6.9|6.7|7.4|6.9|6.7|6.8|7|6.4

Whiplash (Drama, Music / Damien Chazelle) 8.6|8.5|9.2|8.7|8.3|8.2|8.9|7.9



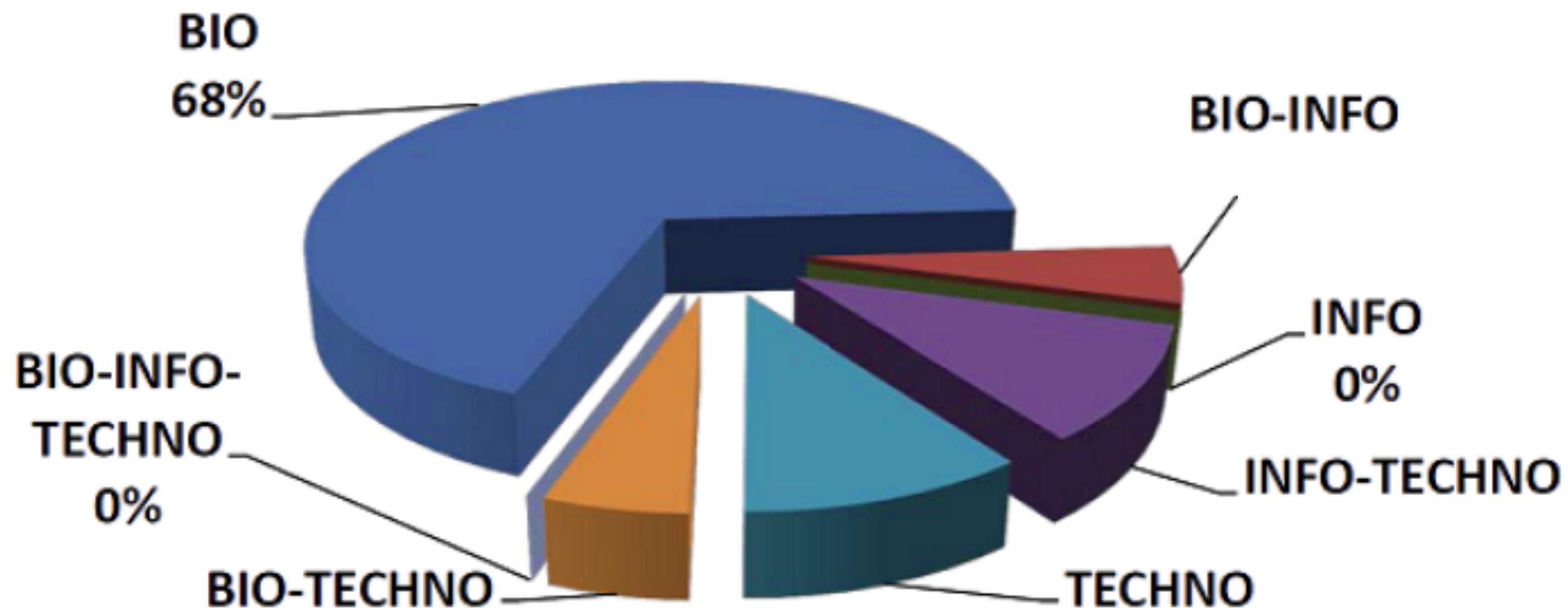
Bezpiecznik

Koszt użytkowania nieruchomości na osobę w gospodarstwie domowym

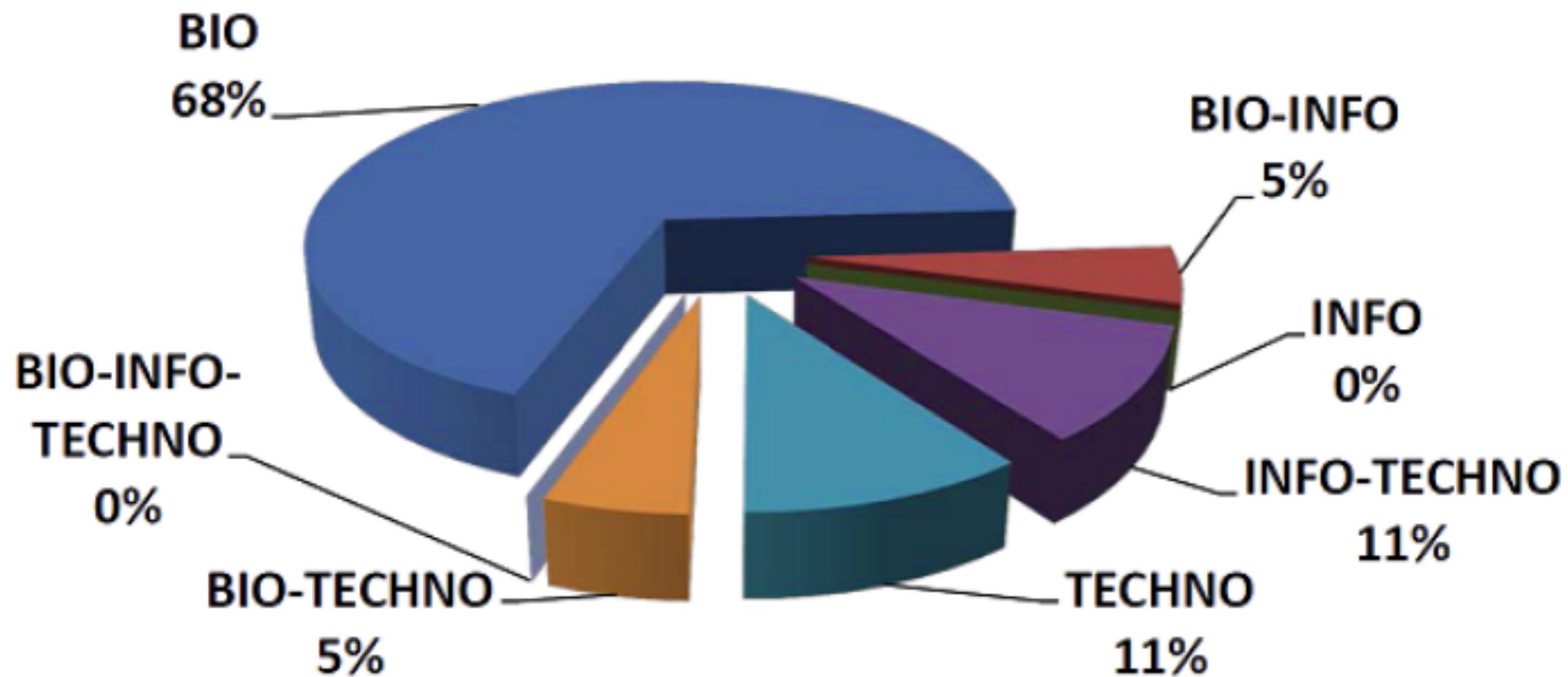


Źródło: Home Broker, GUS

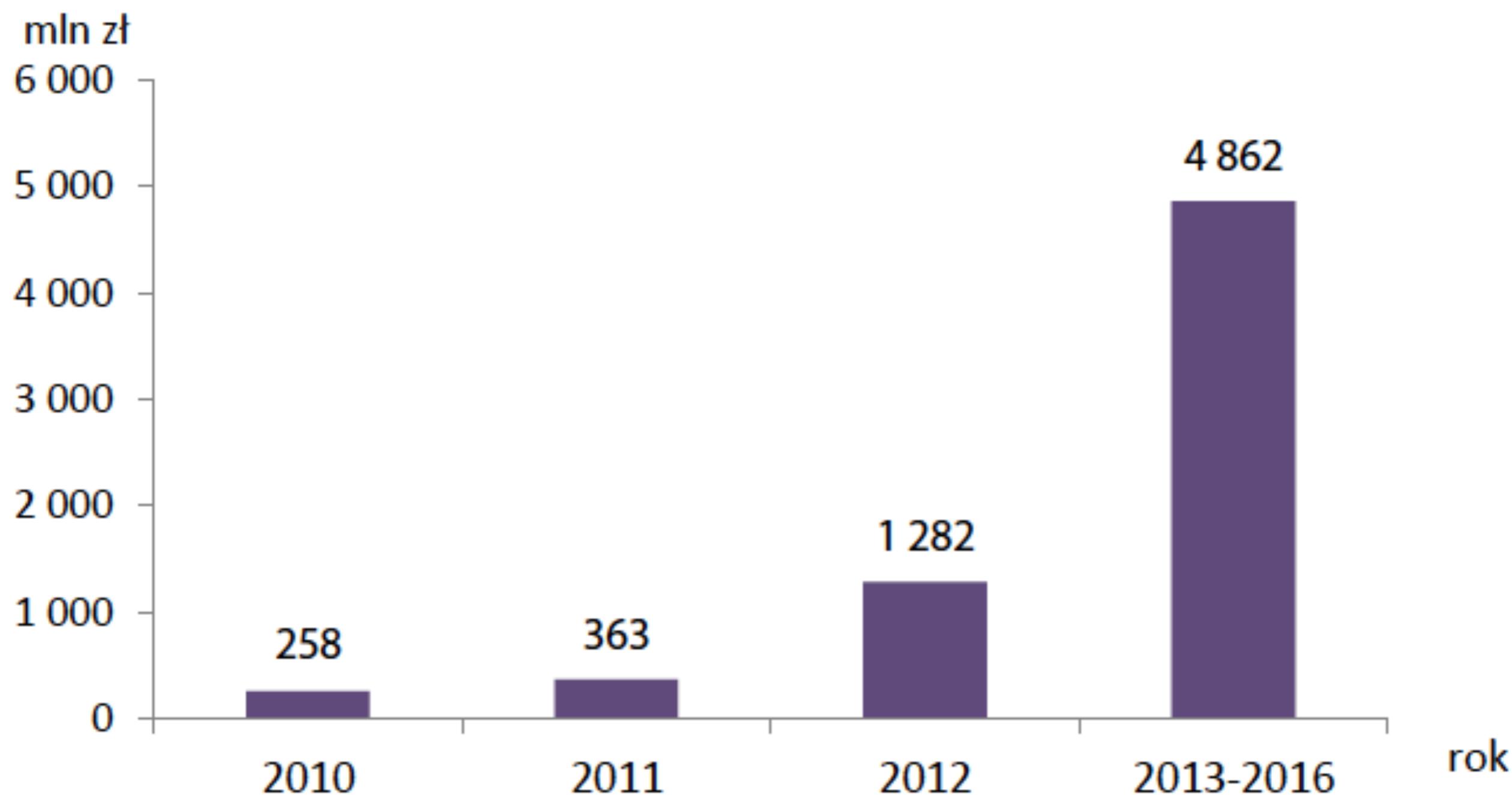
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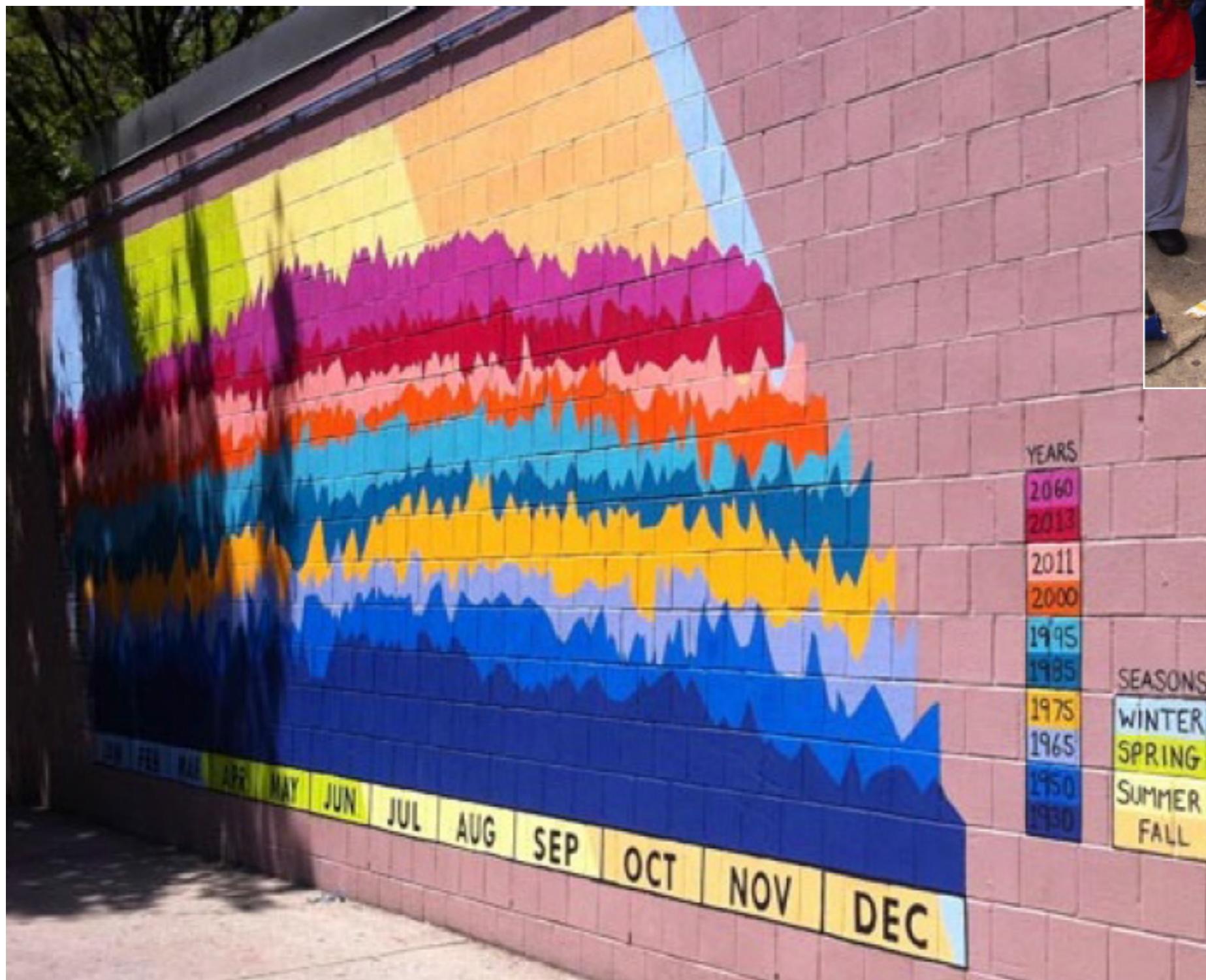


I.3 Wydatki deklarowane przez przedsiębiorców na B+R w programach NCBiR w latach 2010-2016.

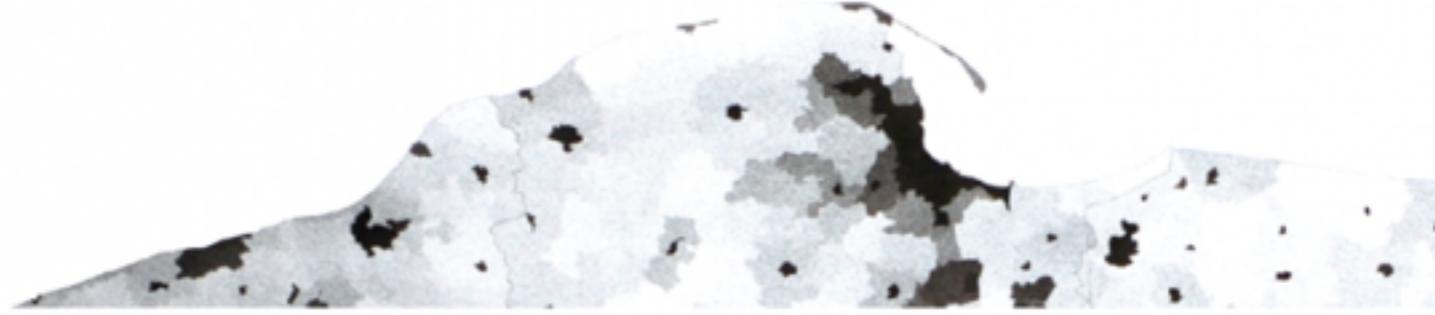


źródło: Narodowe Centrum Badań i Rozwoju

Just for fun



www.biecek.pl/Eseje



Przemysław Biecek

Odkrywać! Ujawniać! Objaśniać!

Zbiór esejów o sztuce prezentowania danych

