

TAMIDS DATA SCIENCE COMPETITION

-2021-

Department of Statistics
Texas A&M University

Dr. Darren Homrighausen

OUTLINE

FINALISTS AND AWARDS

MIDPOINT PRIZES

WHAT MAKES A GOOD VISUALIZATION?

IMPORTANT DATES

All submissions are due: **WEDNESDAY MARCH 31, 2021**

Finalists are announced: **WEDNESDAY APRIL 7, 2021**

Online final event: **WEDNESDAY APRIL 14, 2021. 6PM TO 9PM**

- **GRADUATE DIVISION:**

1. \$1500.00
2. \$1000.00
3. \$500.00

- **UNDERGRADUATE DIVISION:**

1. \$1500.00
2. \$1000.00
3. \$500.00

- **SPECIAL TEAM PRIZES:**

- ▶ Best presentation design: \$250
- ▶ Best use of additional data: \$250
- ▶ Best supplementary materials: \$250

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OPTIONAL DATES

Submit one page graphic: **FRIDAY MARCH 12, 2021**

Midpoint event: **MONDAY MARCH 15, 2021, 6PM-8PM**

BEST VISUALIZATION:

1. \$ 250
2. \$ 250
3. \$ 250

(Just to reiterate: this is optional)

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(Just to reiterate: this is **optional**)

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Carte Figurative des pertes successives en hommes de l'Armée Française dans la Campagne de Russie 1812-1813.

Ouvrage par M. MINARD, Ingénieur Général des Ponts et Chaussées en retraite. Paris, le 20 Novembre 1869.

Les courbes d'hommes présents sont représentées par les lignes colorées à raison d'un millimètre pour six mille hommes, ils sont le plus écrits en lettres des zones. Le tracé indique les hommes qui entrent en Russie, le noir ceux qui en sortent. Les renseignements qui ont servi à tracer la carte ont été puisés dans les ouvrages de M. M. CHIEZ, de Ségur, de Tessier de la Chapelle et le journal inédit de JACOBI, pharmacien de l'Armée depuis le 23 Octobre. Les mieux faits jurent à l'ord. la diminution de l'armée, j'ai supposé que les corps de Léon Nèpome et du Maréchal Davoust qui arrivent-ils attachés au Prince de Wittgenstein et ont rejoint vers Orcha et Wilna, avaient toujours marché avec l'armée.

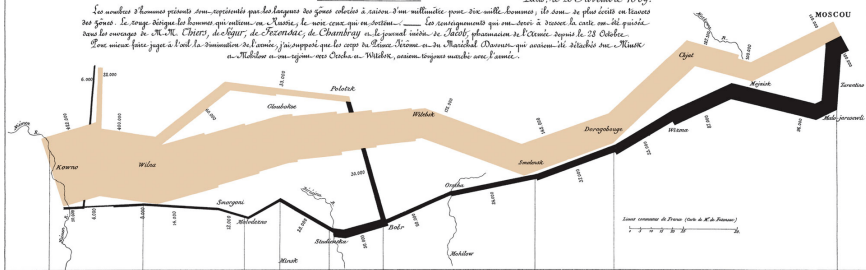
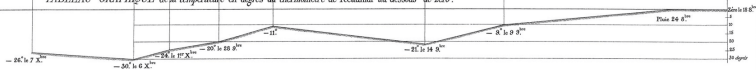


TABLEAU GRAPHIQUE de la température en degrés du thermomètre de Réaumur au dessous de zéro.

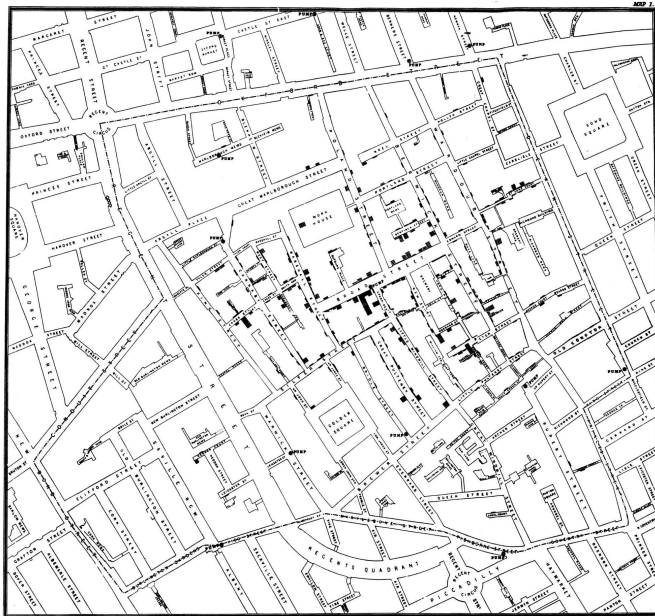
Les Courbes passent au gélif de Wilna, etc.



Along par Bignon, à Paris le 27 Mars 27 000 Paris.

Dep. Min. Ingénieur des Ponts.

HISTORY



C. T. Duffin, Ltd. Edinburgh & London

SCALE 20 INCHES TO A MILE.

WHAT MAKES A GOOD VISUALIZATION?

Though there is some subjectivity, there are also formal criteria

A great resource is 'A Layered Grammar of Graphics'

(<https://vita.had.co.nz/papers/layered-grammar.pdf>)

- Data
- Variables
- Algebra
- Scales
- Statistics
- Geometry
- Coordinates
- Aesthetics

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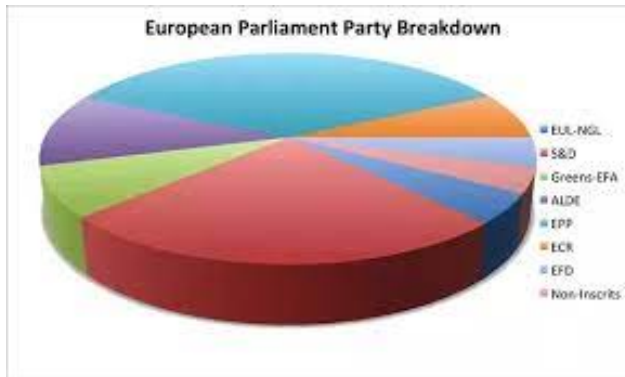
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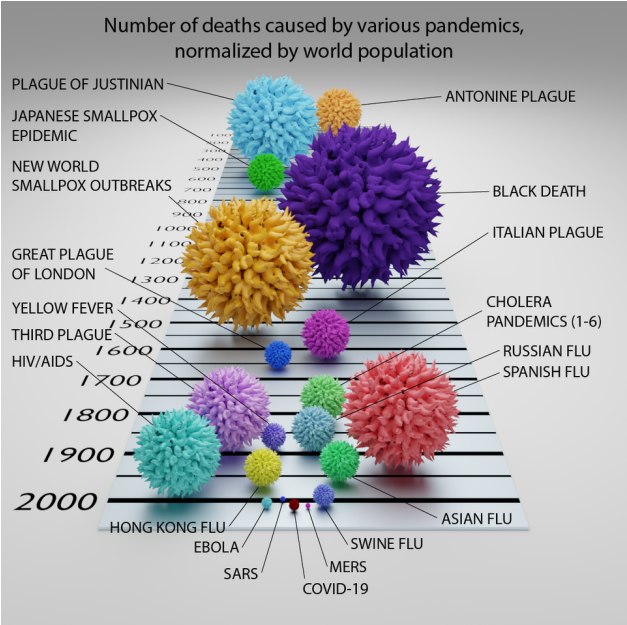
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WHAT MAKES A BAD VISUALIZATION?



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Good Luck!