INFS 5116 – Data Visualisation

Examples for assessment of design choices

Example 1

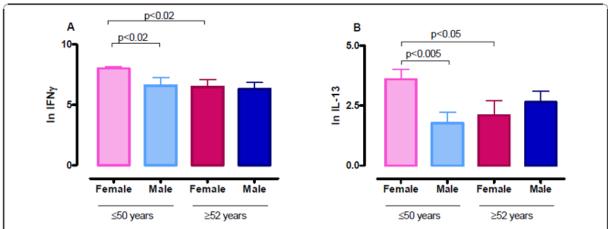


Figure 2 Adaptive immune responses to rhinovirus. PBMC from men and women were exposed to RV16 for 5 days. Culture supernatant was collected and assayed for IFNy (A) and IL-13 (B) by ELISA. Data were natural log transformed and are shown as delta values (mean ± SEM) after subtracting control (unstimulated) values. Data are from 14 women and 10 men ≤50 years old, and from 18 women and 20 men ≥52 years old.

Carroll ML, <u>Yerkovich</u> ST, Pritchard AL, Davies JM, <u>Upham</u> JW, Adaptive immunity to rhinoviruses: sex and age matter, *Respiratory Research* 2010, **11**:184.

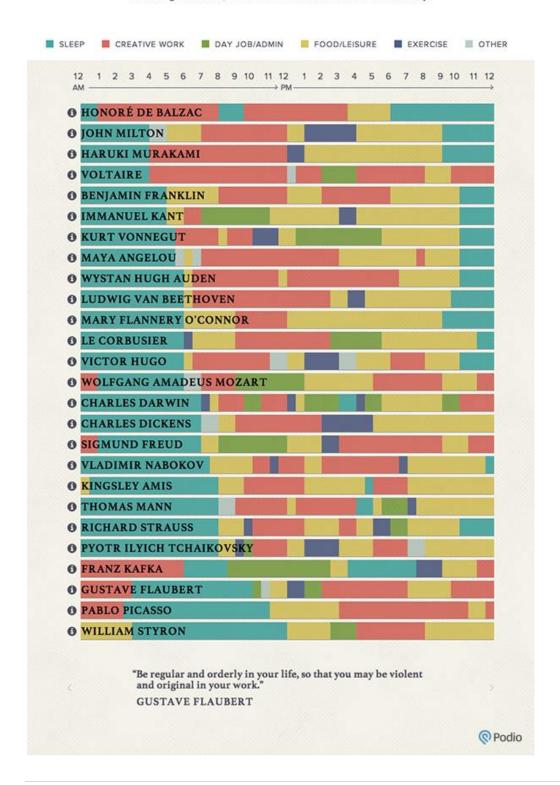
Example 2a

https://podio.com/site/creative-routines

THE DAILY ROUTINES OF

FAMOUS CREATIVE PEOPLE

Turns out great minds don't think alike. Discover how some of the world's most original artists, writers and musicians structured their day.



Example 2b

DAILY ROUTINES OF

FAMOUS CREATIVE PEOPLE

The brain functions differently at various times of the day. Studies show that early risers tend to be good at making plans, while those who work late into the night enjoy more divergent thinking. ☐ SLEEP ☐ CREATIVE WORK ☐ DAY JOB/ADMIN ☐ FOOD/LEISURE ☐ EXERCISE OTHER 12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12 1 HONORÉ DE BALZAC **10 JOHN MILTON O** HARUKI MURAKAMI **O** VOLTAIRE **6** BENJAMIN FRANKLIN **1 IMMANUEL KANT** KURT VONNEGUT **1** MAYA ANGELOU WYSTAN HUGH AUDEN 10 LUDWIG VAN BEETHOVEN **10** MARY FLANNERY O'CONNOR 1 LE CORBUSIER **O** VICTOR HUGO **O WOLFGANG AMADEUS MOZART O CHARLES DARWIN O CHARLES DICKENS O SIGMUND FREUD** VLADIMIR NABOKOV **O** KINGSLEY AMIS **O** THOMAS MANN **O** RICHARD STRAUSS PYOTR ILYICH TCHAIKOVSKY **O FRANZ KAFKA O GUSTAVE FLAUBERT O PABLO PICASSO** WILLIAM STYRON "When I am ... completely myself, entirely alone... or during the night when I cannot sleep, it is on such occasions that my ideas flow best and most abundantly." WOLFGANG AMADEUS MOZART @ Podio

THE DAILY ROUTINES OF

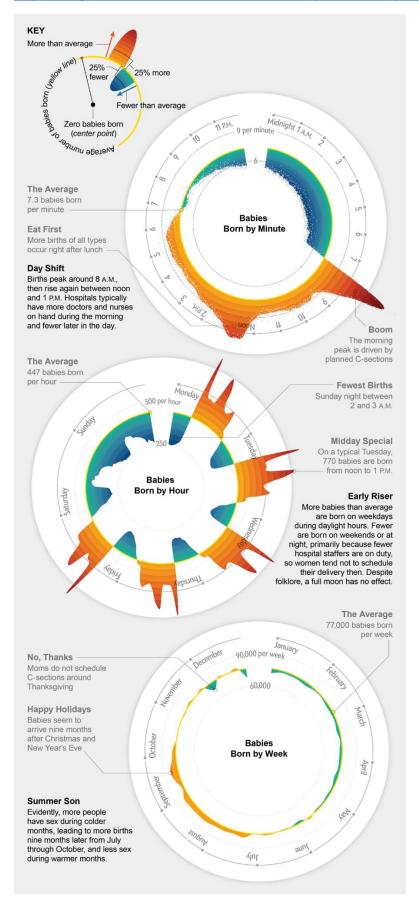
FAMOUS CREATIVE PROPLE

Resting the mind helps generate novel ideas. At least 12 hours away from work is <u>recommended</u>, preferably involving some sleep. <u>Naps</u> can also boost the mind's ability to solve creative problems.

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Example 3

https://blogs.scientificamerican.com/sa-visual/why-are-so-many-babies-born-around-8-00-a-m/



Example 4

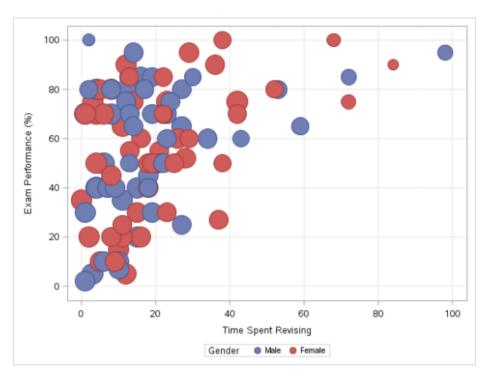


Figure 3. Relationship between time spent revising and exam performance, by gender. Circle sizes are based on anxiety scores.