

# Using statistics to inform citizens in the Covid-19 era

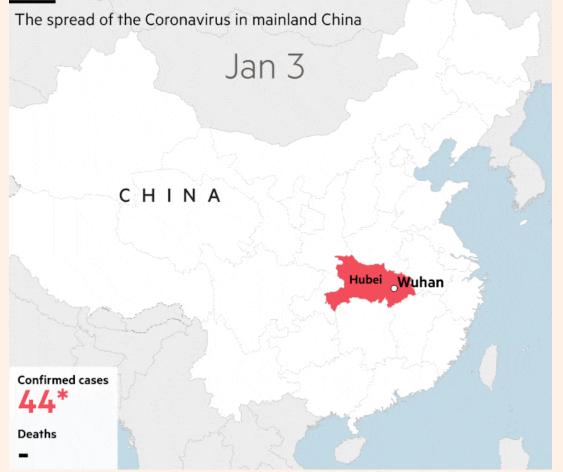
Alan Smith OBE,

Executive Editor, Financial Times

Twitter: @theboysmithy



"The cat got stuck 2.5 m up the tree"







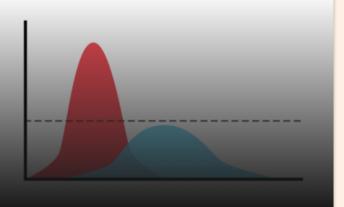
### Italy and Spain's daily death tolls are plateauing, but in the UK and every day brings more new deaths than the last

Daily coronavirus deaths (7-day rolling avg.), by number of days since 3 daily deaths first



FT graphic: John Burn-Murdoch / @jburnmurdoch Source: FT analysis of European Centre for Disease Prevention and Control; Worldometers; FT research. Data updated April © FT





Alessandro Chiara Goran Sebastián May 19th, Romano Sotis Dominioni Guidi 2020

The public do not understand logarithmic graphs used to portray COVID-19

#### 60 comments | 418 shares

Estimated reading time: 10 minutes











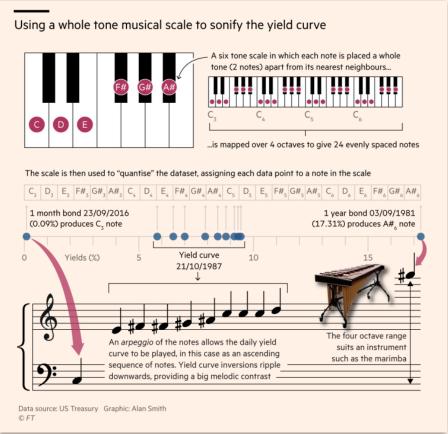
### ft.com/chart-doctor

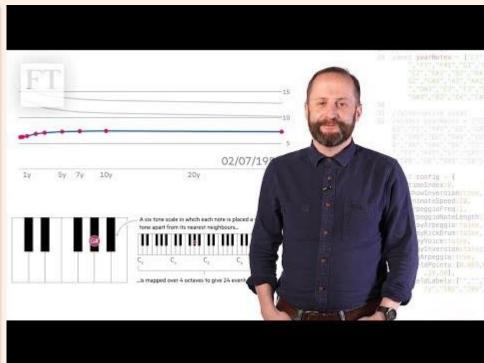






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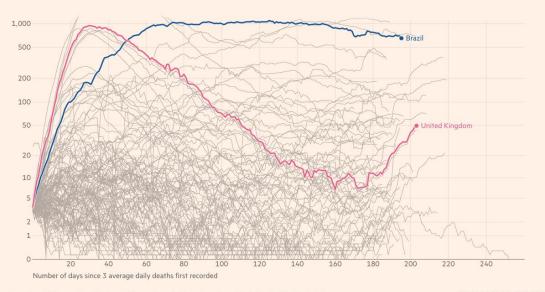


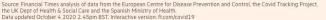




#### New deaths attributed to Covid-19 in Brazil and United Kingdom

Seven-day rolling average of new deaths, by number of days since 3 average daily deaths first recorded



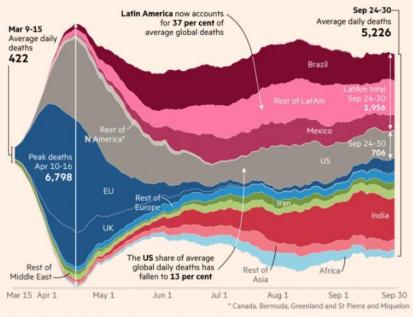




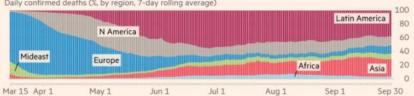


#### India's death toll surges as the Americas continue to struggle with Covid-19

Daily deaths of patients diagnosed with coronavirus (7-day rolling average)

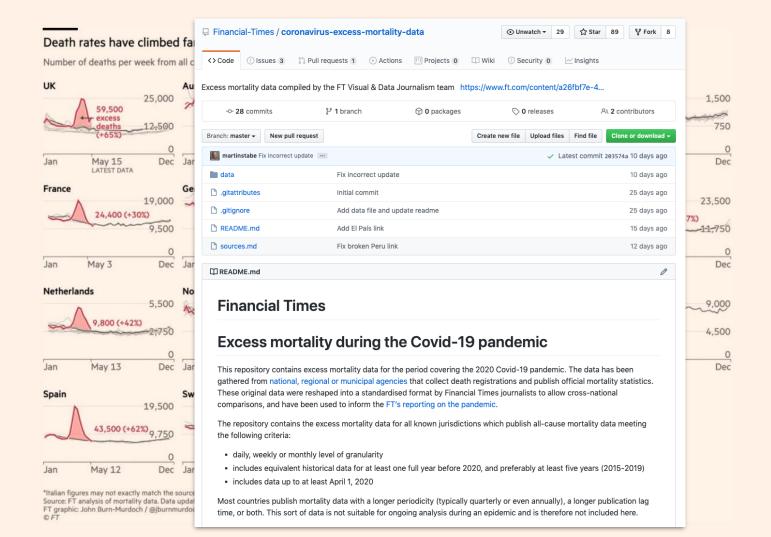


Daily confirmed deaths (%, by region, 7-day rolling average)



FT graphic: Steven Bernard / @sdbernard Sources: FT analysis of data from the ECDC, the Covid Tracking Project, the UK Dept of Health and Social Care and the Spanish Ministry of Health © FT

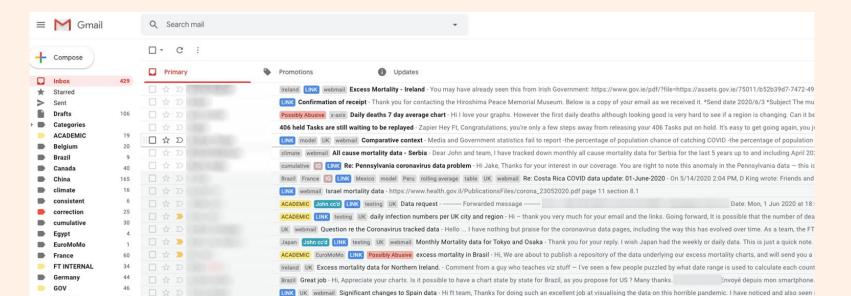






- From 'storytelling' to 'product management'
  - Increased demand from other journalists for our help
  - Increased scrutiny from readers
  - Data sourcing...and updating!

Help us improve these charts: We are looking for further sources of national or municipal mortality data showing total deaths from all causes, preferably broken down by day or week and including figures for recent weeks. If you know of a source of this data for your area, please email coronavirus-data@ft.com.







### 可视化辞典

Visual vocabu

数据的設計 Designing with data

有许多方法可以把数据可视化,但我们怎么 是详尽无遗的,也不是一份万能向导。

Visuar vocabulary

データをデザインする

データを可視化する方法はたくさんありますが、どうやって適切な手法を選 べば良いのでしょうか。まずは上部のカテゴリーを見比べ、記事で重要とな るデータの関係性を選びます。次にそのカテゴリーのさまざまなチャートの うちどれが最も効果的かを考え、初期のアイデアをまとめていきます。この リストは全てを網羅しているわけでも万能なわけでもありません。しかし、

ft.com/vocabulary

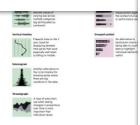
#### Diseñando con datos

Hay tantas formas de visualizar dat cuál elegir? Usa las categorías en la decidir qué relación de datos es más historia, luego mira los diferentes tip de la categoría para formar algunas lo que podría funcionar mejor. Esta l exhaustiva, ni un asistente, pero es útil para hacer visualizaciones de da significativas.

#### Visualisation des données

Il existe un très grand nombre de manières de visualiser les données - comment savoir laquelle choisir ? Utilisez les catégories en haut de la page pour décider quelle est la relation entre les données la plus pertinente par rapport à l'histoire que vous souhaitez raconter. Passez ensuite en revue les différents types de graphiques de la catégorie :

vous aurez ainsi quelques idées prélimina de représentation le plus approprié. Cette exhaustive, elle ne constitue pas non plus automatique : elle vous aidera en revanch visualisations de données informatives et



#### Diagramme circulaire (camembert)

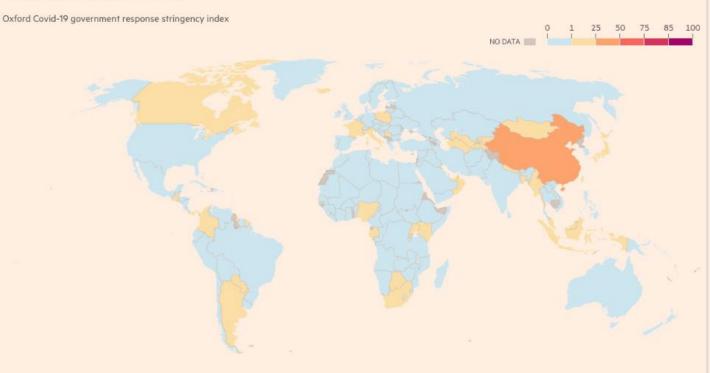


Une facon courante d'afficher des données partielles à complètes mais sachez qu'il est difficile de comparer avec précision la taille des segments.

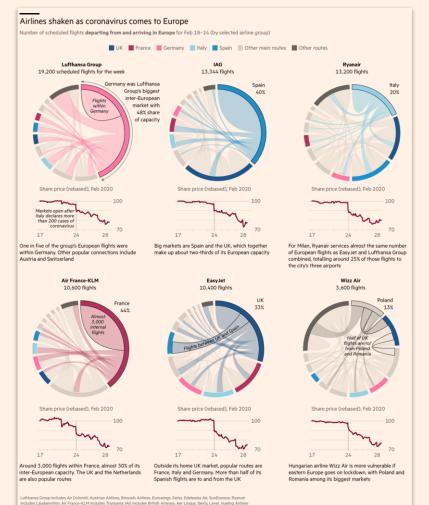


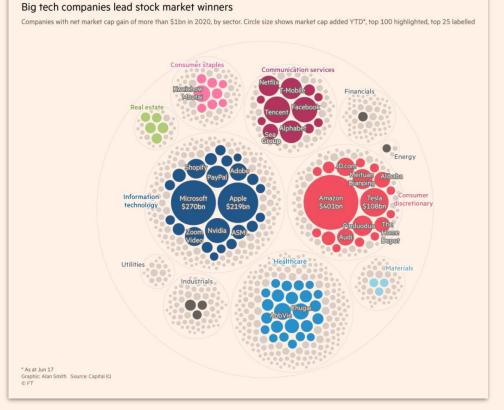


#### Lockdowns around the world



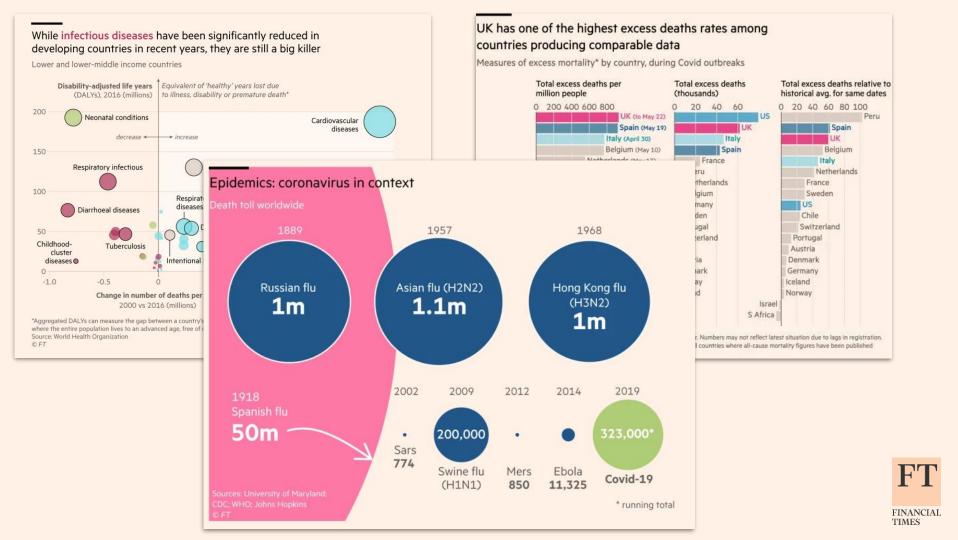
Graphic: Alan Smith and David Blood
Source: Blavatnik School of Government, University of Oxford. Data as of June 1. Data for the most recent seven days may not yet reflect government response changes implemented during that period to FT

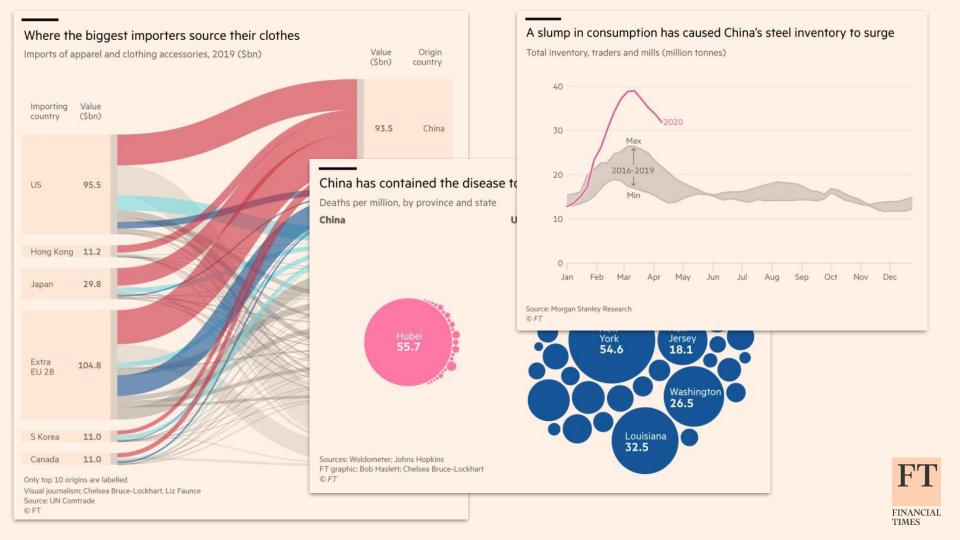


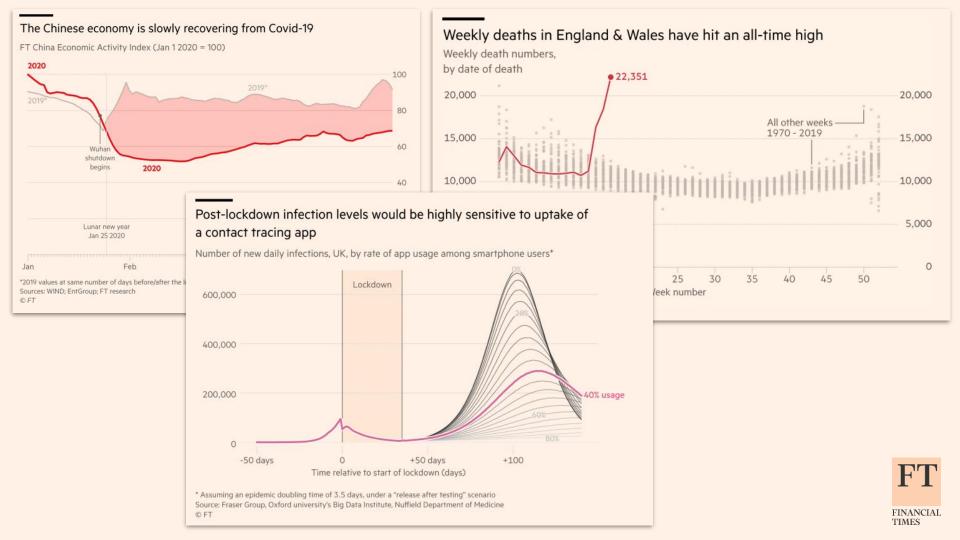




Share prices to Feb 28 13:00 GMT FT visual journalism: Chris Campbell; Patrick Mathurin Sources: OAG; Bloomberg: FT research



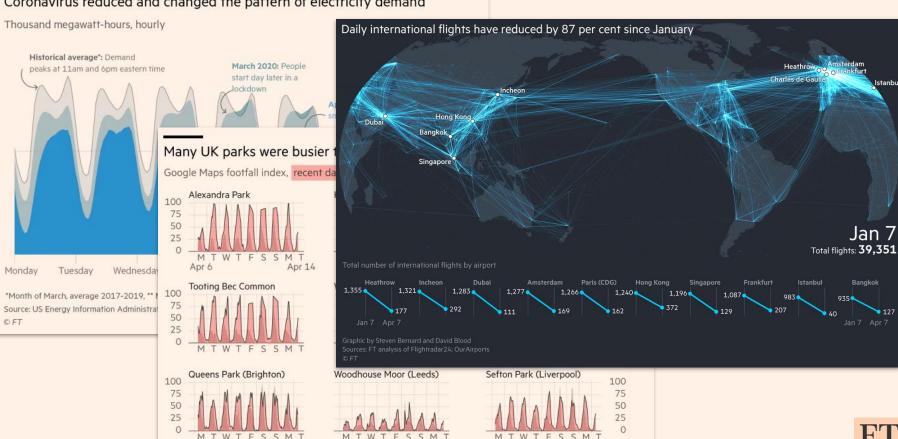




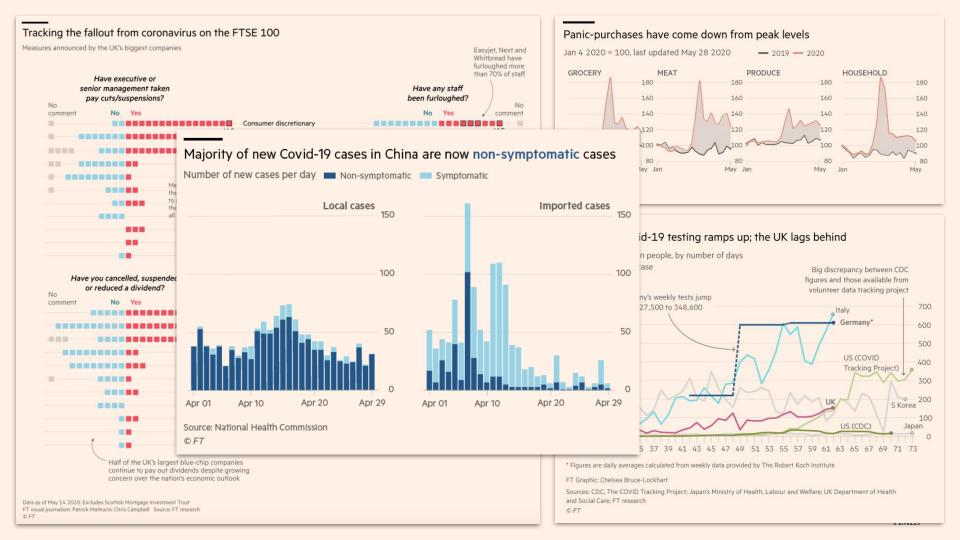
#### Coronavirus reduced and changed the pattern of electricity demand

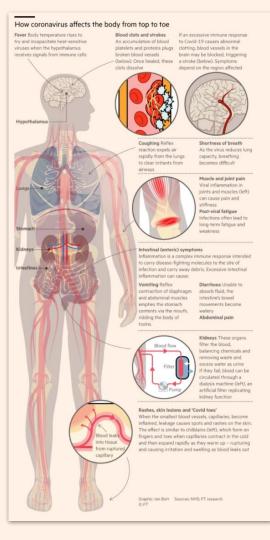
Source: FT analysis of Google Maps data

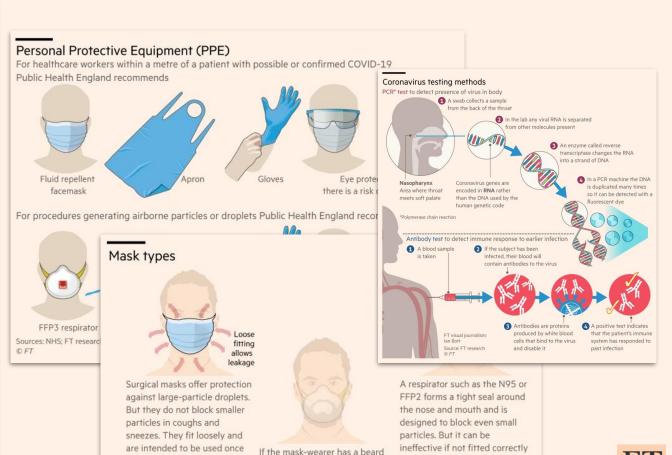
© FT









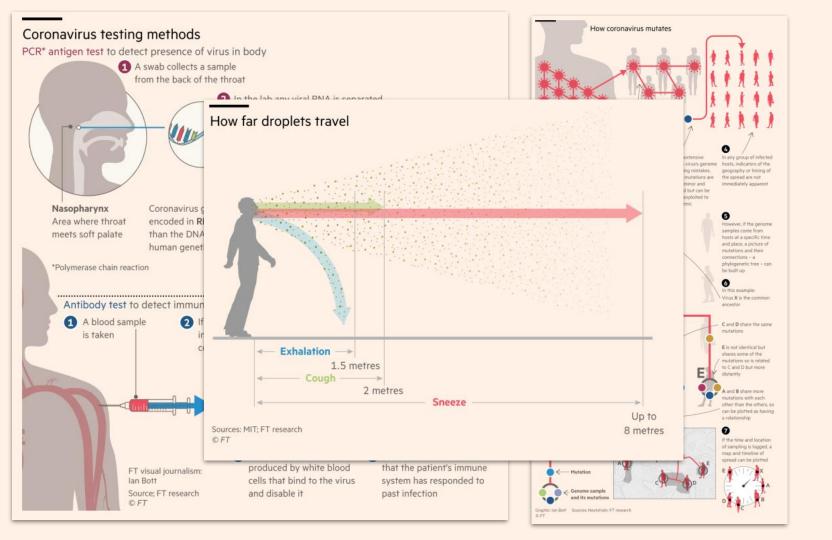


or facial deformity it can prevent a seal being formed

Sources: CDC: FT research

© FT





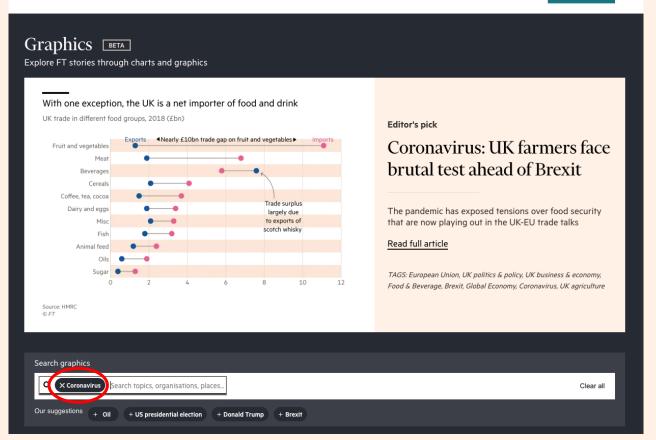


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