EDITORIAL INFOGRAPHICS AT SOUTH CHINA MORNING POST

BY KEITH TAN

Interviewers at Hong Kong Design Institute

Keith Tam Head of Communication Design

Student

Praise Kan

Henry Yip Student

Interviewees at South China Morning Post

Darren Long Creative Director

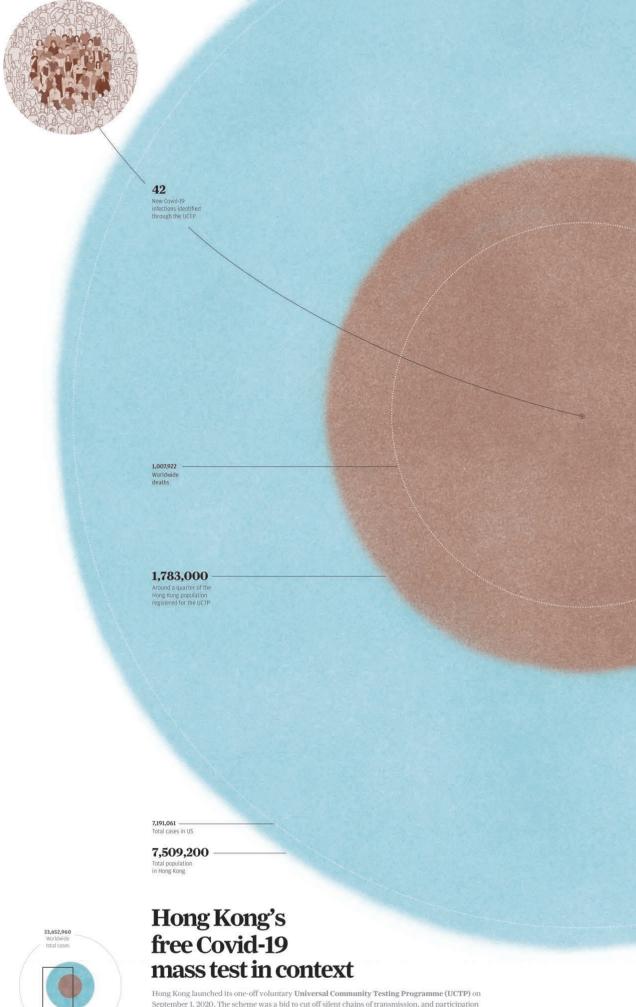
Adolfo Arranz Deputy Head of Graphics and Illustration

Marcelo Duhalde Senior Infographic Designer

Pablo Robles Senior Infographic Designer



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was free for residents. It ran for a fortnight and cost the authorities about HK\$530 million.

Note: Worldwide and US figures as of September 30, 2020

# **EDITORIAL** INFOGRAPHICS AT SOUTH CHINA MORNING POST

### **Keith Tam**

As Hong Kong's English-language newspaper of record, South China Morning Post's origins date back to the Qing Dynasty with 117 years of history. Founded by Tse Hsan Tai and Alfred Cunningham, the first issue of the South China Morning Post (SCMP) was published on 6 November 1903.

The use of infographics at SCMP began in 2011. In just nine years, large-scale infographics have gained prominence in the newspaper's journalistic approach, from the use of graphics as a supplementary aid to help readers understand select aspects of news stories, to the use of singular full-page or full-spread infographics-driven stories. This has blurred the boundaries between traditional journalism and graphic design. The role of the infographics team evolved from an "art department" in the conventional sense to a bona fide "visual journalism" team, not only taking charge of the production of graphics, but integrating the research, writing, editing, design, production as well as technical implementation in their workflow. Indeed, SCMP's infographic designers share

the same status as journalists, credited and featured prominently in news articles. The outstanding work of the international, multi-skilled team has garnered a multitude of prestigious international awards for their visual journalism.

The diversity of backgrounds among SCMP's infographics team is manifested in the diversity of styles that one can see in SCMP's visual journalism. Instead of a fixed "house style" that is usually apparent in many major international newspapers such as The New York Times, SCMP celebrates the diverse approaches and constantly reinvents itself based on the nature and communication needs of a given article. Sometimes editorial illustration and data-driven graphics become indistinguishable. The common goal here is to tell a story, pulling in whatever media and techniques needed to communicate to the readers.

Since the proliferation of smartphones in 2007, the way in which news is experienced by readers has shifted tremendously, and so has the use of infographics. SCMP adopts a hybrid publishing approach, integrating print, desktop, and mobile user experiences. Infographics are produced to respond to the characteristics of these environments, taking into account reading behaviour, viewport size, resolution, as well as interactive potential. The shift from the static display of information on a printed page with an ample canvas to the dynamic display of constantly updated data in a small viewport is gaining traction at SCMP, particularly with reporting situations that are constantly evolving, such as the Covid-19 pandemic. The addition of developers to the infographics team enables the seamless integration of dynamic data feeds into the display of information in a timely manner.

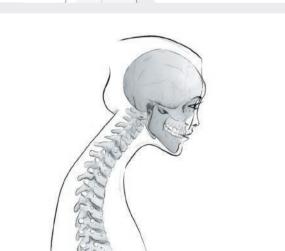
In June 2020, Keith Tam and three information design students from the Hong Kong Design Institute met with SCMP's infographics team to find out about their approach to editorial infographics, particularly in the use of graphic language for storytelling, their design process, as well as the interplay between print, digital, static, and dynamic formats for editorial infographics.

## On visual language

# O1 Are there any trends in infographics? Has it evolved over the years?

Adolfo I feel that the relevance and the reach of Arranz (AA) our work have been getting a different status. I remember around 10 years ago when I started working in infographics, we used to solve immediate problems with small solutions such as simple maps or bar charts without really getting to the content. We were just using graphics to show data but not really committed to the content. But now, we feel that we are visual journalists where we are using both content and graphics to tell stories. So, it is kind of a different profession right now. We have to add many more skills





to our original arsenal that we acquired from university so that we can communicate in an understandable way.

Do you see any differences between an editorial illustration and an infographic? Is there a boundary between the two?

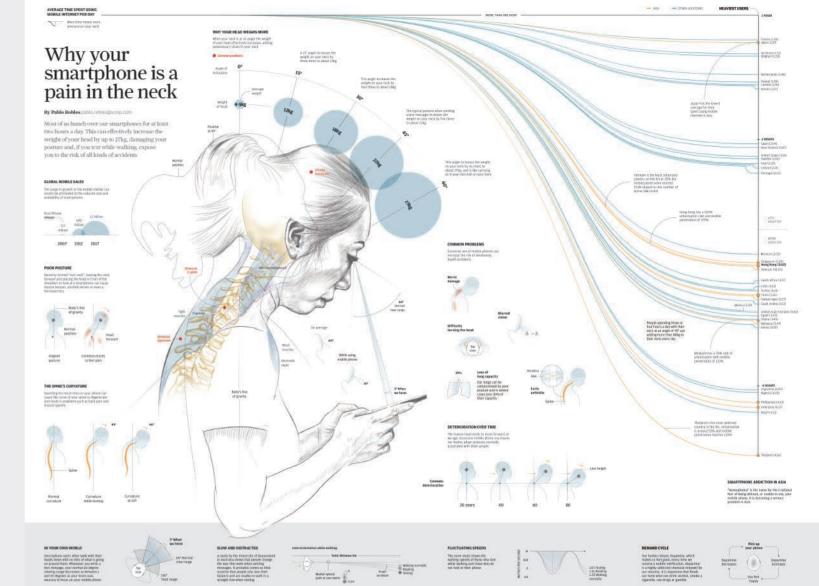
Marcelo Whether to use an illustration or an info-Duhalde (MD) graphic depends on the need that has to be fulfilled. Illustrations are explanatory—for example, a cover illustration is a way to summarise information in one shot. We have developed a sensibility to represent the concept that we are trying to convey by choosing a suitable method—be it an image, an illustration, or an infographic—so that a story can be told effectively.

We know very clearly that we do not immediately have a solution in mind when approaching a story. We always keep reinventing, exploring, experimenting with, and combining different techniques. Maybe because we are a small team, we are able to manage our way to express our ideas. But still, people recognise that we have some sort of style, which is very interesting because we don't work solely with templates. We use templates only as a reference, but normally our visual explanations and assets are related with the subject matter—we try not to limit ourselves.

# O3 So you value differences, new inventions, and innovations here more than consistency?

Darren It's interesting because there is sort of a Long (DL) house style and yet everyone in the team is different. Pablo is a digital native. For the "Text Neck" story, for instance, he went out and shot videos. He approached it from a technical point of view, much more technology-related. Photos, diagrams, and things people can interact with. I would say this is a typical Pablo.

Marcelo, on the other hand, has a scientific mentality. He's very incisive and uses lots of data. He has a very analytical mind and he goes straight to the essence of something. So, there'd be lots of very clear, precise ways of visualising figures through abstractions, shapes, and maps.



And Adolfo is like a Picasso, fine art style. It's very much about the beautiful drawings. I always love it when Adolfo manages to find ways of extracting data on something through his drawings. I'm always surprised at how he justifies an illustration as data visualisation.

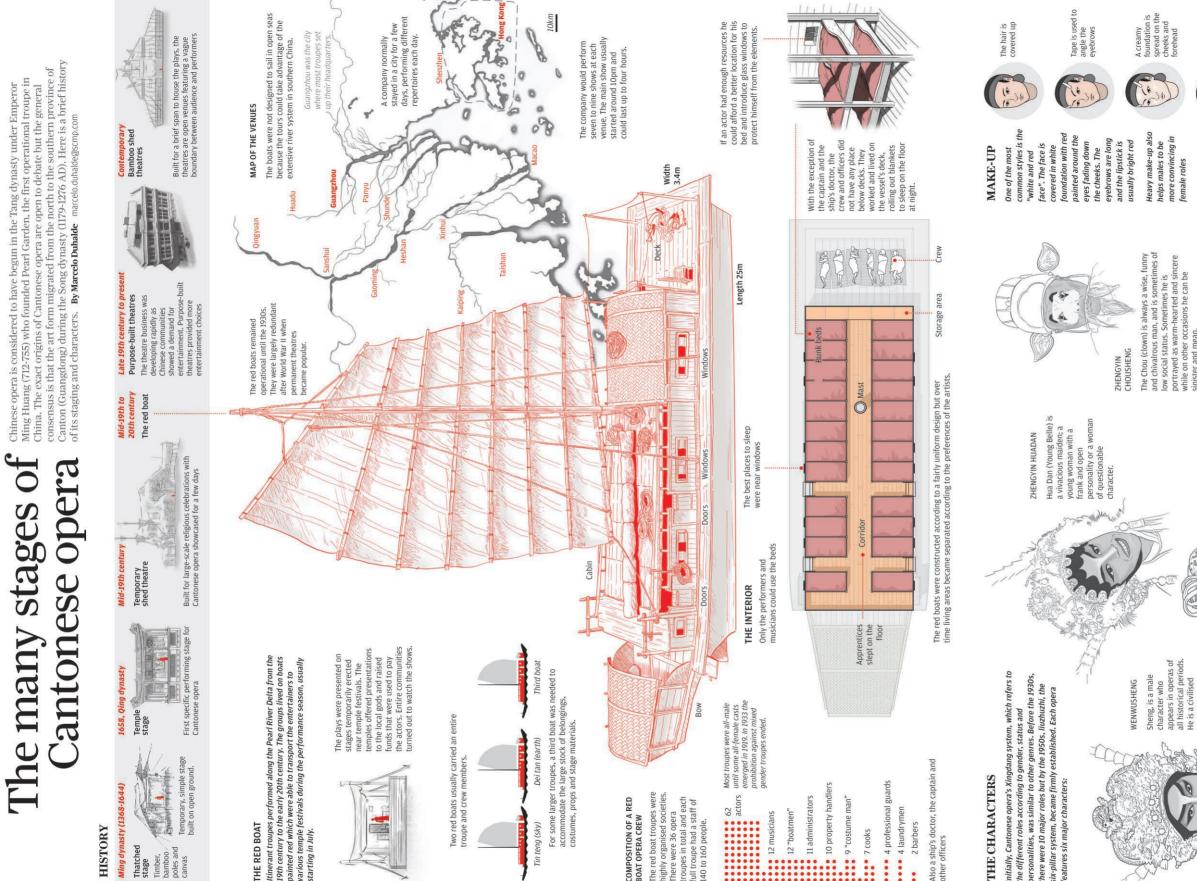
So, there are three completely different styles, but they all work together somehow. These three examples were led by each of these guys, but everyone worked together, so the approaches meshed together. We've also got on the team Han Huang, Denis Wong, and Kaliz Lee who have very individual styles. I think that's actually something that makes *SCMP* unique. When you look at *The New York Times*, for example, they have a single style for their infographics that they rarely deviate from. Whereas for *SCMP*, we've got the illustrations, the photography, or videos and they all somehow connect without looking like a dog's dinner.

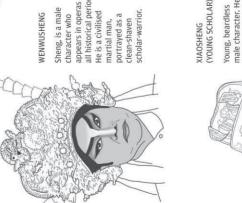
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Why Your Smartphone
Is a Pain in the Neck
South China Morning Post (2019)
Pablo Robles

"Text neck" has become a common problem with people typically sticking their neck forward to use their phone for texting. As the angle increases, the weight of one's head can be increased by up to 27kg, adding unnecessary strain to one's neck and spine.























# How MMA's roots are in Hong Kong

A group of sports administrators, martial arts teachers, street fighters and local law enforcement officers began to mix martial arts disciplines in Hong Kong long before the idea took root elsewhere. These contests captured the imagination of the Hong Kong public and became part of the city's cultural fabric

By Pablo Robles, Adolfo Arranz and Dennis Wong

#### EVERYBODY WAS KUNG FU FIGHTING ...

Large numbers of immigrants from China's Mainland came to Hong Kong SAR seeking refuge in the early 20th century. Some were prominent martial artists and many people turned to them to learn self-defence techniques in response to the colonial city's high crime rates and limited police manpower



1953
1 police officer
per 452 civilians

1 police

1967

1 police officer
per 355 civilians

1994

1 police officer
per 156 civilians



in the early 1960s, nong kong developed its own unique right. Club. The brains behind the Full Contact Boxing Association wer local sports administrator Wai Kee-shun, policeman James Elms and fighter Kong Fu-tak



KONG FU-TAK VS BILLY CHOW Hong Kong

B V

BRUCE LEE VS GARY ELMS Hong Kong

WU GONGYI VS CHEN KEFU

#### BRUCE LEE. THE GRANDFATHER OF MMA

Today, MMA fighters do not worry about whether a specific move corresponds to classical disciplines or styles. They use any method they want to express themselves. This is also the philosophy behinc the martial arts form jeet kune do, founded by Bruce Lee almost a quarter of a century before the first UFC contest in 1993

#### ROOFTOP FIGHT

An early form of MMA was practised on the streets and more often, rooftops of Hong Kong long before Rorion Gracie, Art Davie and John Milius organised a formal competition between various combat disciplines which they called the Ultimate Fighting Championship, or UFC



**海**勝詠春拳

master — whose most famous student is Bruce Lee — encourages his students to look beyond the classroom to hone their skills



Traditional southern Chinese kung fu style. It is a form of self-defence specialising in close range combat and uses striking and grappling



#### Bone-setting treatment

Fighters frequently suffer sprains and fractures while practising and during combat. Many martial arts masters learn ancient Chinese bone-setting skills (osteopathy) and establish clinics to treat injuries

跌



#### Hung kuen practising

fighting style in Hong Kong associated with the Cantonese folk hero, Wong Fei-hung



何彭跌打醬舘

How do you decide on what visual language to use for a particular story? For example, when to use infographics and not just words, what aspects to highlight, and what visualisation methods to use? What is the decision-making process like?

MD When we start on a project, our goal is to offer our particular approach to a subject, which is hard to find elsewhere. We do not try to explain something that has already been explained by others. The research is focused on specific aspects without trying to cover it all from the beginning like an encyclopaedia. We try to lend an interesting angle to things that have not yet been explained, depending on the moment, our own research, or our own conversations. That forces us to approach a story with fresh ideas and to offer new information. We interpret the research and try to come with our own unique solution for different subjects.

04

The decision on the use of visual language depends on our own preferences and styles as we don't have the same skills. We have different approaches to infographics and we have our own favourite ways to solve visual problems. That's why I find it very difficult to get into software that automatically generates visualisations. I always try to find other ways to solve it. We all have our own limitations, but we are very collaborative.

People who have a data analyst background tend to start off with a conclusion, then use the data to get to the conclusion. For us, we want to tell a story. We use data to inform us as to what the conclusion should be. Well, actually, we don't even have a conclusion. We usually leave the conclusion for the reader, let them make up their own mind. Whereas, data analysts and traditional journalists tend to drive you to agree with them at the end. That desire to tell a story is what sets our team apart. Our team comes from Hong Kong SAR, China's Mainland, Costa Rica, Chile, Spain, and Britain. When we sit down in a room, we have very different points of view and we've all got our own biases, our own cultural baggage. What's a benefit to us is that we're not data analysts, we're not specialists. That means that we've got to make it really simple for us to understand first and then we know the reader will.

Most of our infographic-driven stories are about visualising the data. And data tend to be numbers, facts, and figures, which is not very sexy if you're not into that. For the average reader, it might be a turn-off. The way we use infographics—the visual side of things—is very warm, engaging, and human. We try to get readers in there so that they can relate to it. It takes away the dryness of the numbers.

AA I think the most important part is to first understand. How can you explain it to the readers if you cannot understand it?

## Do you get into content a lot more now than before?

AA Yes and investing more time in research, too. Before, I used to spend more time in the design process, thinking about colour, aesthetics, etc. But now, our process demands us to dedicate half of the time or maybe even more to research—working through information, making comparisons, working with big data, and so on—different processes that I learned on the job. I was trained as a graphic designer. Originally, my big interests were illustration and graphic design, instead of politics or economics. I have to make my interests more diverse.

DL To me, the trends in infographics are set by the way technology evolves. Ten or even five years ago, designers were very specialised, for example, in Illustrator, Photoshop, or InDesign. In the past, I would design and lay out a magazine, but I was never expected to print it as well. But as technology evolved, one person can do more. With the new technology, you are in complete control of everything. That's why designers like us are no longer just designers anymore. We're journalists or multimedia artists. So, the team does a lot of their own reporting, researching, and editing. And then comes the design. I almost think that, in a way, what we do is "antidesign." It's about communicating an idea, first and foremost. If it looks nice in the end, that's a bonus.

AA Never in my life did I think that I would work in a newspaper. It's crazy. Of course, we're working in the media. Twenty-five years ago, I didn't study to become a journalist. I studied illustration and graphic design. I don't know. Maybe I'm a journalist, after all!

#### **How MMA's Roots Are in Hong Kong**

South China Morning Post (2019)

Dennis Wong, Pablo Robles, Mathew Scott, Adolfo Arranz, Darren Long This graphic depicts the cultures and developments of martial arts in Hong Kong. Martial artist Bruce Lee's philosophy Jeet Kune Do continues to influence today's mixed martial arts (MMA) athletes.

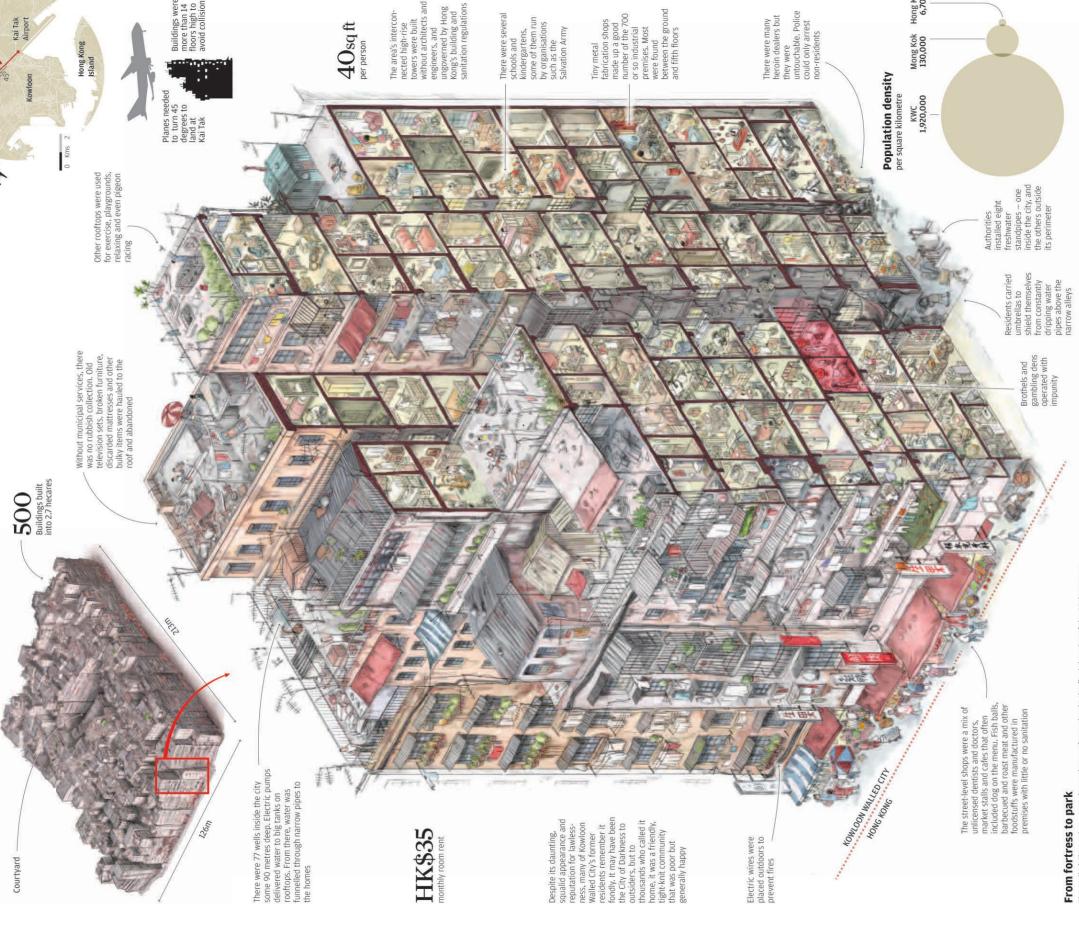


# of anarchy

Kowloon Walled City, located not far from the former Kai Tak Airport, was a remarkable high-rise squatter camp that by the 1980s had 50,000 residents. A historical accident of colonial Hong Kong, it existed in a lawless vacuum until it became an embarrassment for Britain.

This month marks the 20th anniversary of its demolition.

500 Buildings built into 2.7 hecares



**City of Anarchy** 

This graphic is in memory of the Kowloon Walled City after its demolition 20 years ago. Kowloon Walled City was an incredible megablock of urban/architectural design occupying an area of approximately 200 by 150 metres. Five hundred buildings were built in the city, housing almost 50,000 residents. Former residents call it home as they share fond memories of this overcrowded slum.

1990 **50,000** inhabitants

**30,000** inhabitants

1973

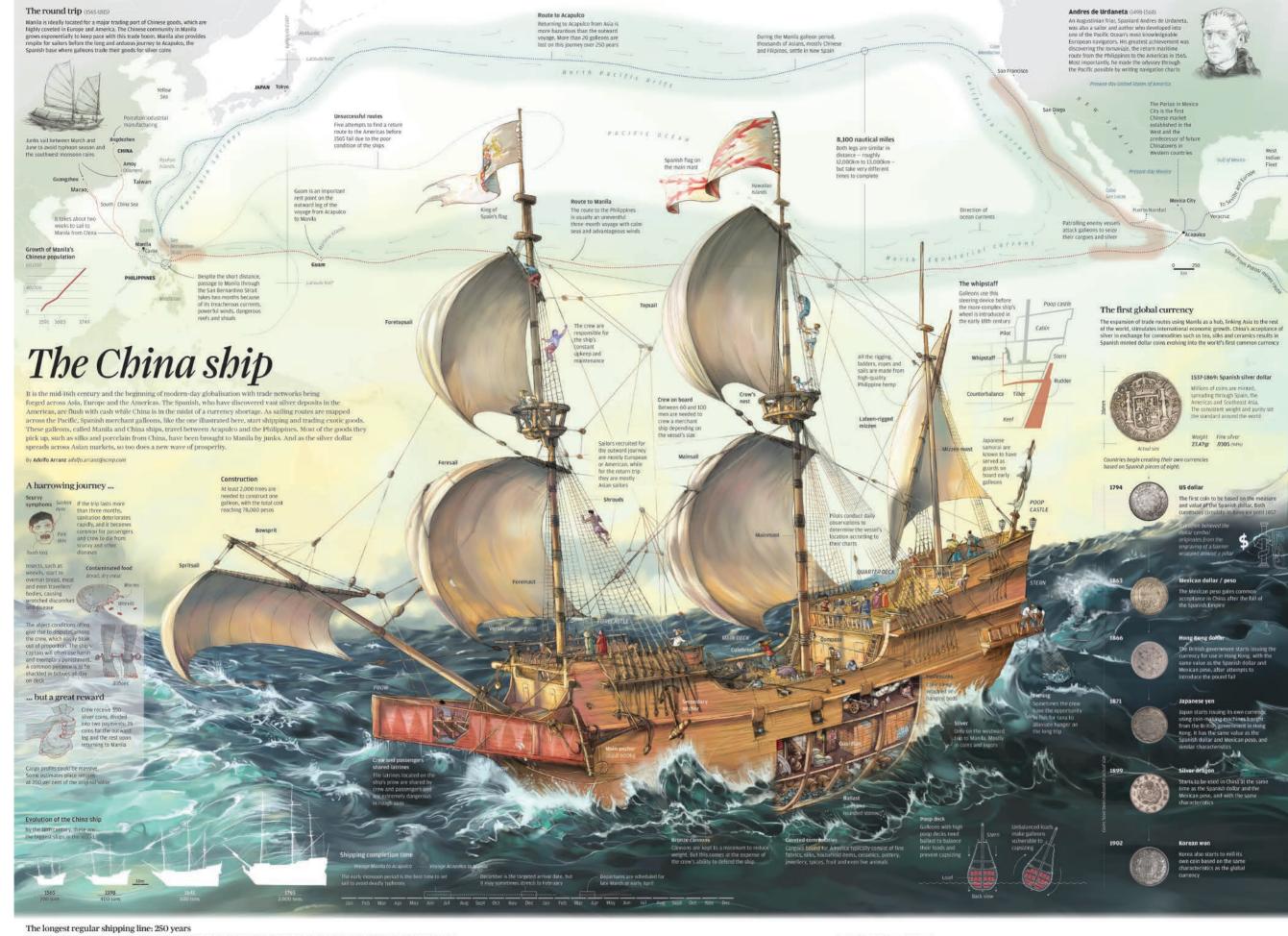
1950

1940 **2,000** 

whic shows the disation. Globalise h century when I noe for world trained a circular shi

e **China Ship** h China Morning Post (2018)

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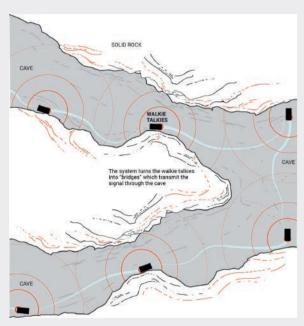
In terms of operating years and distances covered, galleons plied the longest regular line in history. This table estimates the number of ships to make the voyage and whether they survived

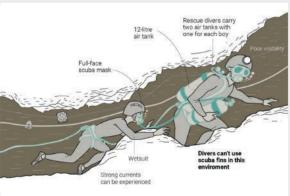
To Manily

## On processes and methods

01 Can you tell us more about the process at SCMP? How do you initiate a project, how you source raw material, and how do you work with the editorial team?

AA Here at SCMP, we can decide what we can and cannot do, which might not be true at other organisations where strict instructions are given by editors. We can decide not to go ahead with a particular project because there is insufficient information, for example.





Above: The team inside the cave established a series of walkie-talkies connected to each other over four kilometres. The system turned the walkietalkies into "bridges" transmitting the signal through the cave.

Below: The rescue team assisted the boys to scuba dive.

Almost all of our projects are initiated by our team. On most occasions, the topics are explored individually and then proposed to the group with reliable content and visual resources. Once approved, we get to work individually or collectively.

#### So, there's no editor breathing down your neck saying "you need to do this?"

Well, there is, but my role in the team is a buffer. They would explain to me why we can't do something, I then go to the editors to explain and they'll listen. But there are times when it isn't like that.

#### Do the editors come to you saying, "We'll cover such-and-such topic next week. Could you produce something?"

Yeah, our executive editor, Chung Yan Chow. We tend to have two meetings a day. During these meetings, I find out what the news is for that particular day, but I also get a heads-up on upcoming projects. Occasionally, there'll be ideas like "Made in China 2025." The editorial team will say they're doing a series on a particular topic and the infographics team will look for visual solutions. I'd go back to the team and figure out how to do something worthwhile with the editorial team's idea. It can be a long process.

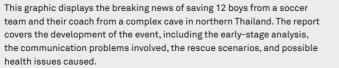
#### How much time typically? And how about time-sensitive topics?

There is no typical timeline. "Life Inside the Forbidden City" took us three years. Other stories that look like they are very developed could have been done in a day. The fastest would be done in a day, like "Saving the Wild Boars." The whole team came together and ran around like crazy. Adolfo divided the research amongst everyone and then put it all together.

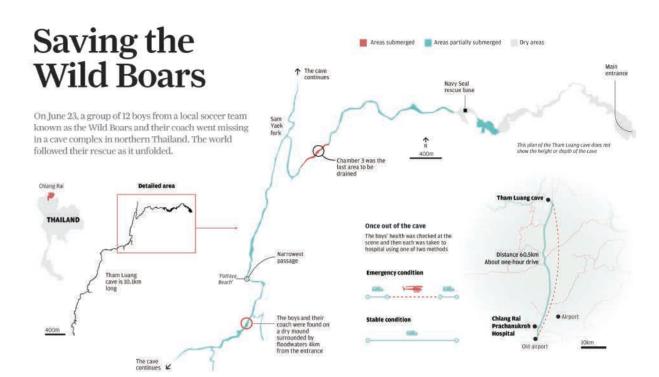
For this one, we worked very fast on the illustrations. We worked like a factory. First, I did a rough sketch for that. And then it was passed onto Marcello. He finished it in Adobe Illustrator. For me, hand sketching is a very important process.

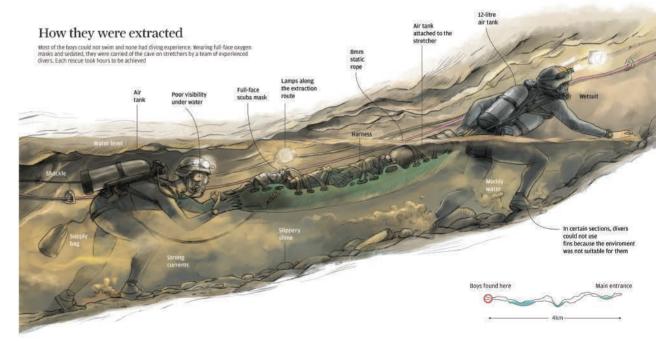
You see that this story is all static. We wanted to include more information and interactivity, but there was just not enough time.





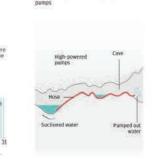






#### Why it was so complicated

How rain floods the cave



About 243 million litres of water were pumped out before the first group of boys was rescued on Sunday, July 8. That would be enough water to fill a swimming pool the siz of the stadium for the World Cup final to a depth of 34 metres



Race against the rain

Rainfall in the area increased after the boys entered. They were forced deeper

South China Morning Post (2018)

Marcelo Duhalde

This series of three-page graphics illustrate the daily life in the Forbidden City in China during the Ming and Qing dynasties. It is composed of three chapters: How women were selected as maids and servants; how an army of eunuchs served as menials or spies; how was the life of being the emperor.



South China Morning Post Thursday, December 20, 2018 A9

Concubines

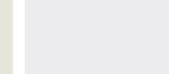


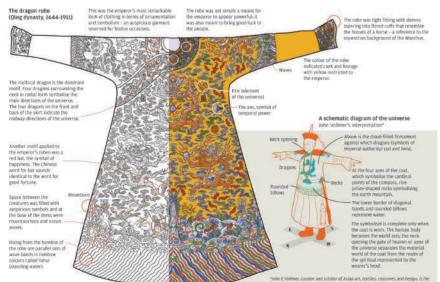




perial noble cons (Huang guifei)

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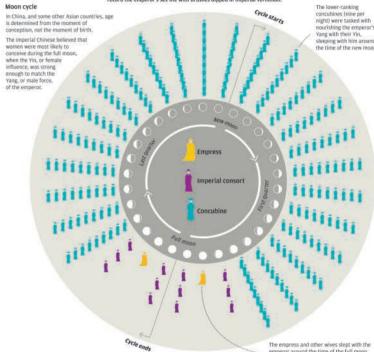
# Women near the emperor

All females living in the Forbidden City were carefully sequestered in the imperial quarters deep inside the palace. They were restricted to the inner court and forbidden from venturing out of the northern section. Most of them were employed as maids and servants, but there was also a select group of concubines whose task was to bear children for the emperor - as many as he could father. Those who gave birth to male offspring were elevated to imperial cons the empress at the top of the pecking order.



#### The emperor's sex life

It was believed that organising the emperor's sex life was essential to maintainin the well-being of the entire Chinese empire. The rotation of concubines sleeping with the emperor was kept to a regimented order. Secretaries were employed to record the emperor's sex life with brushes dipped in imperial vermilion.

















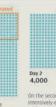








The sequence would be completed on the 15th night of every month. The cycle was then repeated in reverse order.













#### Palace servants

#### The Qing palace maids

They were selected when they reached the age of 13 and would serve for 10 years. Their role was to attend to the daily needs of the empress, imperial consorts and concubines. They could not leave their ladies' sides, day or night, seven days a week.



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#### 05 There's a lot of very detailed information here, about the geography, the rescue gear, etc. How was the research done?

AA The essential thing was the research, for me, especially for breaking news. And it all had to be finished within one day. We needed to share our research and ideas and have quick meetings to try to put everything together and figure out what we could do.

We had to search every viable source. Every time you find a new fact, you need to change it and tell everyone in the team: "Hey, stop! Stop!" We're very connected as we work in the same space. We also have many communication channels like Slack, email, Google Docs, etc. We put everything that we discover or find in one place for everyone to see—it's pretty organised.

#### 06 How do you resolve disagreements or arguments in your team? How do you strike a balance between others' criticism and your own points of view?

DL Because there's so much transparency, the arguments never become personal. A really special part of the culture here is that we send each other our work in progress and ask for feedback. Everyone is very honest. They won't just say it looks great for the sake of it, but they'll point out issues.

Having convictions in your beliefs is important. I think for everyone here, if they really believe in what they're doing, they'll fight for it. But I think a newsroom, in general, breeds this type of culture. Every journalist will fight their corner. If you believe that your case has logic, you can make a case and sell it. But there comes a certain time when an editor will say no and stand firm to their decision.

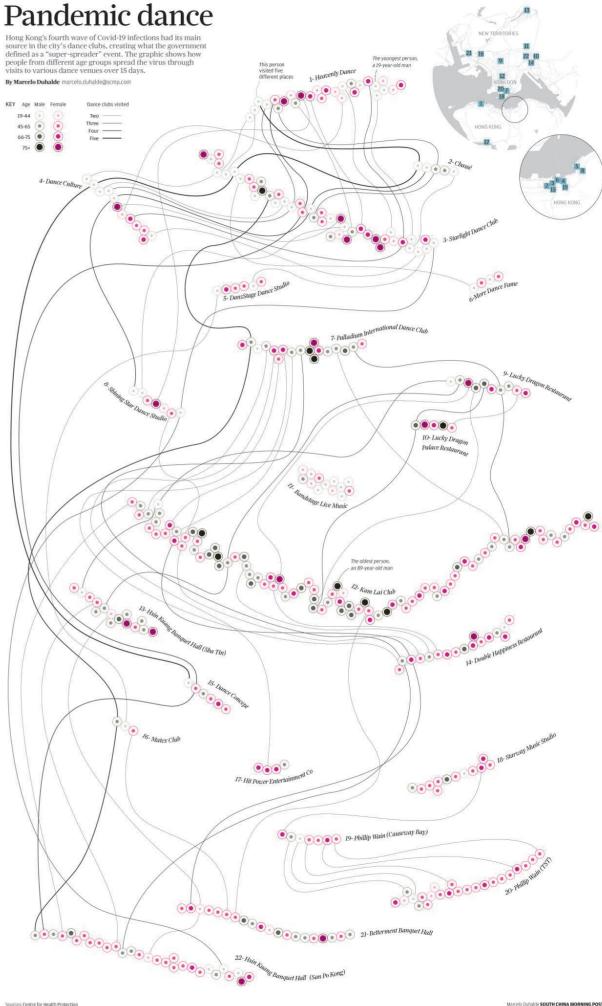
But maybe we have been lucky. I can say that 90-95 percent of our work doesn't require any changes. DL But I think that we're very conscious of our working progress as well, because we keep the rest of the newsroom informed of what we're doing, so that there are no nasty surprises.

#### 07 When do you consider a piece of work "finished?" Is it the deadline? With digital work, there's more flexibility, isn't there? Unless it's breaking news?

You cannot keep polishing a piece of work when it's already published because you'll have to work on other projects. But if new information comes up, we are able to update the data or add more assets to that piece of work—a great advantage that we don't have in a printed infographic.

My answer to this would be when they get tired of me nagging them. But, interestingly, we've published a couple of projects recently, knowing that they are not finished. I suspect we'll do that more often. We get it out there, and then we can keep developing it and making it better. "The Coronavirus Explainer" is a good example of that.

When China announced that the coronavirus was transmitted from human to human, we realised that there was a big story there and it was going to spread around the world. So, we jumped on it and we wanted to get it out really fast. We knew we were ahead of other publications. The first version only had a few elements in it. Now, it's just huge.

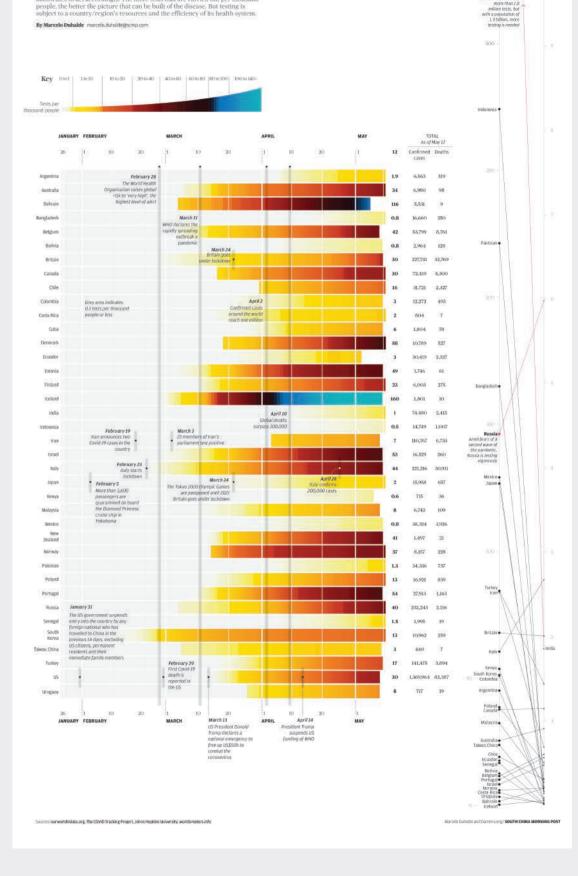


#### **Pandemic Dance**

In January 2021, Hong Kong experienced the fourth wave of Covid-19 infections with a growing cluster of infections linked to the city's dance clubs. This graphic shows how people from different age groups spread the virus through visits to various dance halls over 15 days.





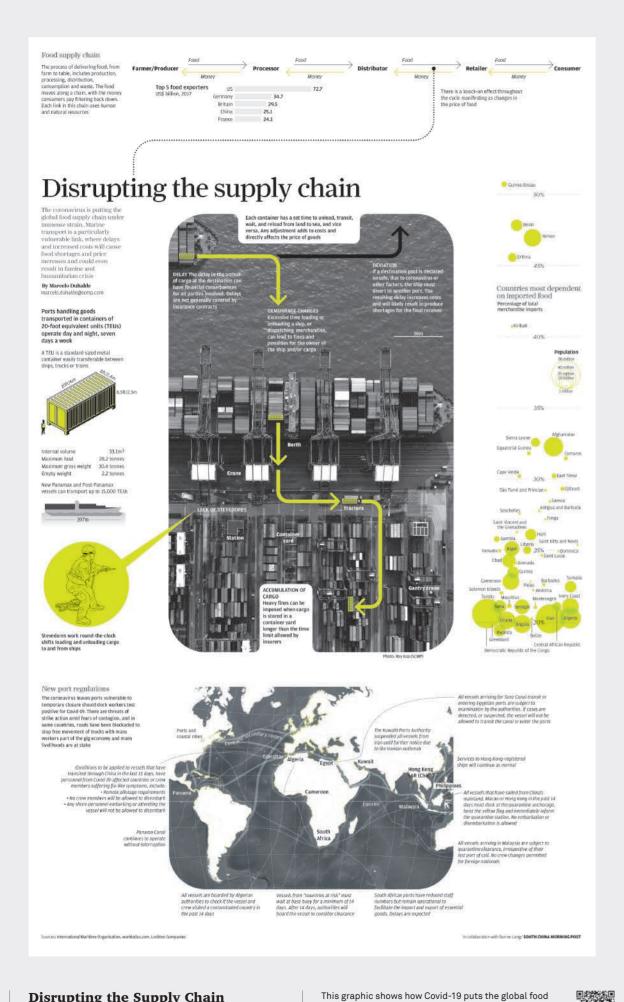


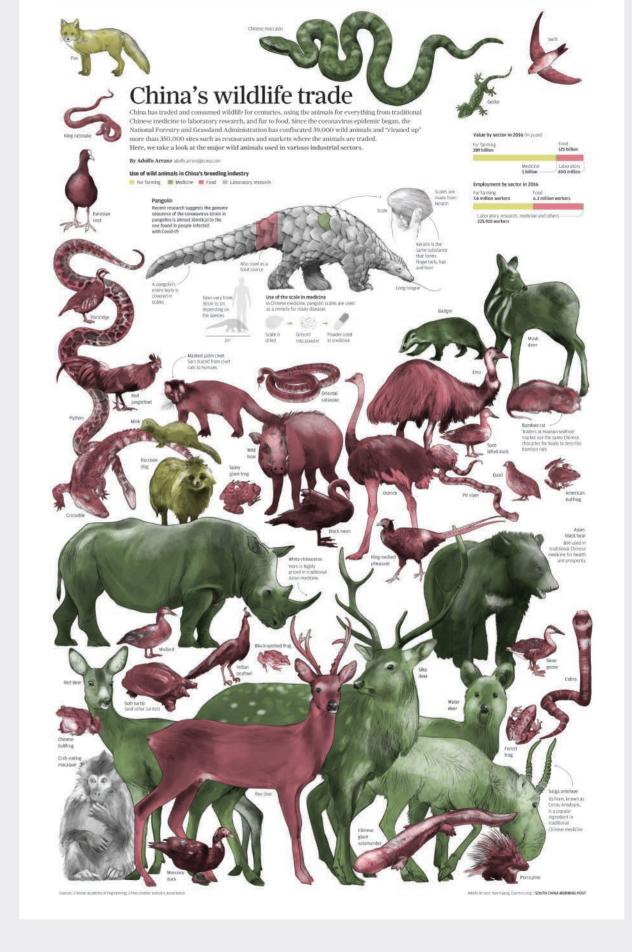
Testing for Covid-19

# How the Coronavirus Spread in Hong Kong

South China Morning Post (2020) Dennis Wong, Adolfo Arranz In April 2020, most infections found in Hong Kong came from outside. The graphic shows where the imported cases originated.







#### China's Wildlife Trade

South China Morning Post (2020) Adolfo Arranz

Since the Covid-19 epidemic began, China's National Forestry and Grassland Administration has confiscated 39,000 wild animals and banned more than 350,000 sites such as restaurants and markets where the animals are traded. This graphic shows the types of wildlife animals and how they are treated in this industry.



Marcelo Duhalde

supply chain under immense strain, causing shipping delays, increased costs, food shortages, surging prices, or even famine and humanitarian crises.

## On digital infographics

01 When shaping a story, do you think in a medium-specific way or do you conceive the idea as a whole first and then try to adapt it to other media and formats?

AA It depends on the project. But, for me and I'm pretty sure for Marcello as well, our background is in print and we only started to design online graphics three years ago. Before we were mainly designing for the back page of the printed paper. Every time we started a project, my mind would immediately think of it as a back-page infographic. And now we need to have several points of view: a print version and three or four online versions. For the mobile version, you need to take out many aspects or rethink the design because it doesn't work in a vertical format.

What do you need to consider when you work on the printed version versus the screen versions for desktop and mobile?

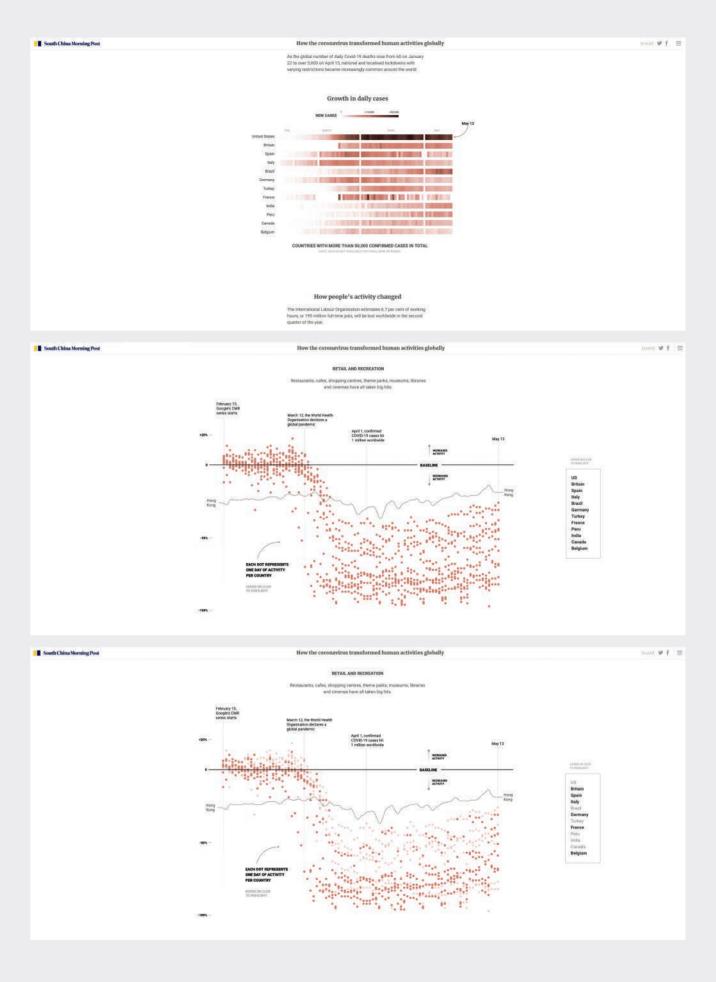
DL When we design for print—say for the back page—after we've finished it, we'd hand it over to what we call the backbench. That's sort of the last line of defence in the newspapers. They fact-check and make sure that it makes sense. The response would be very immediate: "I don't understand it." Here is the headline, the subhead, the image, and here are the captions. Presumably, that's how readers would read it as well. Over time, we get fewer corrections as we get better at doing it in a way that people understand straight away and readers have become more educated to read them, as well. We then have to go through a similar process with the online versions. Something that works on the desktop doesn't necessarily work on the mobile. For the mobile version, it's a case of stripping things out and simplifying it further. You just have to accept that you can't have all the same information there.

From our analysis, we find that the average reading time for our infographic stories is five minutes, which is considered very high for *SCMP* articles. The average is two to three minutes. So, we've doubled the average.

Is the idea of "getting people to click on something" one of the considerations? For a printed infographic, the reader needs to spend time to engage with it, rather than something you can grasp instantly. Whereas in an online environment, readers need to first of all click on it before they can even start engaging with it. What are the considerations there?

DL That took us a long time to learn. Four years ago, we were just sticking a PDF of the print version online thinking that we had done a great job, but we hadn't. We couldn't understand why page views were so low. It was a whole series of trial and error. Then there was one infographic that our former colleague, Alberto Lucas López, did that we were very happy with—"The Sum of the Parts." On the desktop version, when you click on each of the triangles, it takes you to the *SCMP* story—it's brilliant. On the mobile version, you couldn't see the triangles and couldn't click on them, so we went back to the drawing board. And then Marco Hernandez started writing the code and everything changed.

"The Five Main Projects of the Belt and Road Initiative" was the first one that was made digital. The print version came after. That was when our mindsets completely changed. Every one of us got involved and started writing our own code. Before that, we all preferred print because it's so immediate. It was a discipline that distilled everything down to a single image. But, suddenly, we discovered interactive infographics, which you could keep drilling down and down to discover more.



**Human Activities Globally** 

**How the Coronavirus Transformed** 

their map apps. The data somehow reflects general trends

in people's movements during the crisis with national and

localised lockdowns becoming increasingly common.

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051

02

