

GEOSPATIAL TOOLS AND DASHBOARDS

GeoTechVision's approach to Covid-19 using Dashboards and Web Applications.

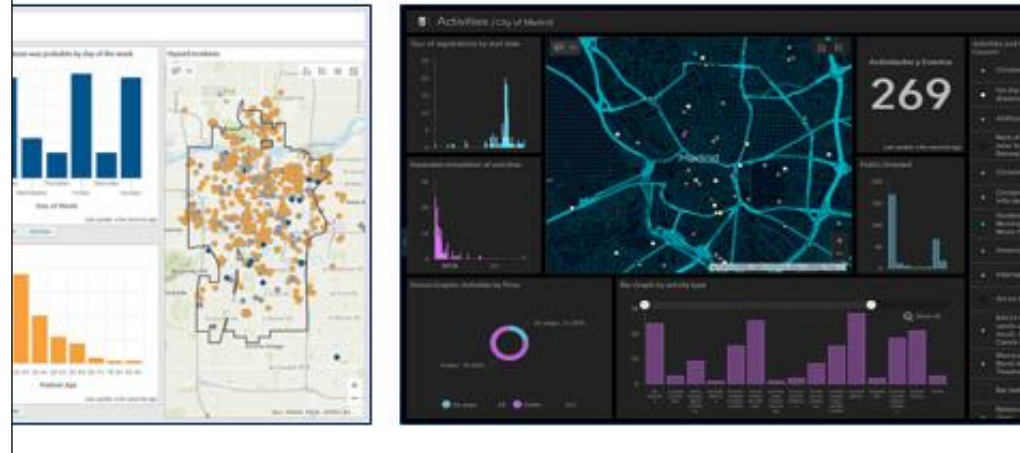
Josiah Burkett



The use of Geospatial Dashboards & Tools in a Health Crisis

- 2020 has definitely highlighted the need for data solutions.
- Data solutions that can be visualized in an effective and efficient way.
- Dashboards and other web applications allow for this.

Operations Dashboard for ArcGIS



GeoTechVision/IPLAY XYZ responds to Covid-19 using Dashboards and Data Tools



Methodology

[Report coronavirus cases](#)

Now Yesterday Search:

Country, Other	Total Cases	New Cases	Total Deaths	New Deaths	Total Recovered	Active Cases	Serious, Critical	Tot Cases/ 1M pop	Deaths/ 1M pop
World	981,425	+46,228	50,255	+3,063	206,272	724,898	37,207	125.9	6.4
USA	227,061	+12,058	5,345	+243	10,265	211,451	5,403	686	16
Italy	115,242	+4,668	13,915	+760	18,278	83,049	4,053	1,906	230
Spain	110,238	+6,120	10,003	+616	26,743	73,492	6,092	2,358	214
Germany	81,728	+3,747	997	+66	19,175	61,556	3,936	975	12
China	81,589	+35	3,318	+6	76,408	1,863	429	57	2
France	56,989		4,032		10,935	42,022	6,017	873	62
Iran	50,468	+2,875	3,160	+124	16,711	30,597	3,956	601	38
UK	33,718	+4,244	2,921	+569	135	30,662	163	497	43
Switzerland	18,475	+707	522	+34	4,013	13,940	348	2,135	60




Covid-19_Data_Feb25

File Edit View Insert Format Data Tools Add-ons Help Last edit was made on March 13 by Sheree Cameron

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Country	City	Total Confirmed	Total Deaths	Total Recovered	x	y
Afghanistan	Afghanistan	7	0	0	67.734995	33.888832
Albania	Albania	23	1	0	3.007806	36.773177
Algeria	Algeria	26	2	10	1.73349	28.070868
Andorra	Andorra	1	0	0	1.618947	42.574554
Argentina	Argentina	30	1	0	-63.195766	-38.586665
Armenia	Armenia	6	0	0	45.040086	40.052602
Australia	New South Wale	65	2	4	146.941436	-31.222667
Australia	Victoria	21	0	7	144.818757	-37.410552
Australia	Queensland	20	0	8	-20.955077	142.759144
Australia	South Australia	9	0	2	136.220838	-29.934579
Australia	Unassigned Loca	8	0	0	133.307393	-25.983356
Australia	Northern Austrail	1	0	0	133.069718	-19.521189
Australia	Western Australi	9	1	0	121.562001	-27.700186
Australia	Tasmania	2	0	0	146.02247	-41.439778
Austria	Austria	361	1	4	14.558083	47.511611
Azerbaijan	Azerjaiban	15	1	3	47.806916	40.263276
Bahrain	Bahrain	197	0	35	50.568143	26.068235
Bangladesh	Bangladesh	3	0	0	90.37258	24.205913
Belarus	Belarus	21	0	3	28.171082	53.50254




Esri Covid-19 Hub

 **COVID-19 Overview** Resources

April 2nd Webinars: [Business Continuity](#) & [Emergency Management](#)

Overview Data API Explorer



Esri, FAO, NOAA, AAFC, NRCan | [Download](#) [APIs](#)






 4/2/2020  Feature Layer  Custom License

This feature layer contains the most up-to-date COVID-19 cases and latest trend plot. It covers China, the US, Canada, Australia (at province/state level), and the rest of the world (at country level, represented by either the country centroids or their capitals). Data sources are WHO, US CDC, China NHC, ECDC, and DXY. The China data is automatically updating at least once per hour, and non China data is updating manually. This layer is created and

[More](#)

Attributes

 Chart •  Map Visualization

 Confirmed Number	Country/Region Text	 Deaths Number	 Last Update Date or Time	 Long Number	Province/State Text	 Recovered Number	SHOW MORE 2 Attributes
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About

[Coronavirus \(COVID-19\) Resources GIS Hub Content](#)
Shared By: [CSSE_GISandData](#)
Data Source: [services1.arcgis.com](#)

[View Metadata](#)
[Create Webmap](#)
[Create a Story Map](#)

ArcGIS Online

The screenshot shows the ArcGIS Online interface for a feature layer named "Covid_19". The top navigation bar includes "Home", "Gallery", "Map", "Scene", "Groups", "Content", and "Organization". The user profile "Terry Taffe" is visible in the top right. The "Covid_19" item page has tabs for "Overview", "Data", "Visualization", "Usage", and "Settings". The "Overview" tab is active, showing a thumbnail area with the text "Add a brief summary about the item." and a "Feature Layer (hosted) by iplayxyz" label. Below this, it shows "Created: Feb 26, 2020" and "Updated: Mar 14, 2020" with a "View Count: 75". A "Description" section prompts to "Add an in-depth description of the item." and a "Layers" section is partially visible. On the right side, there is a vertical menu with buttons: "Open in Map Viewer", "Open in Scene Viewer", "Open in ArcGIS Desktop", "Publish", "Create View Layer", "Export Data", "Update Data", and "Share".



The screenshot shows the "Overwrite" dialog box in ArcGIS Online. The dialog box has a title bar with "Overwrite" and a close button. The main text reads: "Overwrite all features in 'Covid_19' and the source file 'Covid-19_Data_Feb25.csv' with updated data. The file name of the data that you upload must have the same name as the original file." Below this, there is a section labeled "Item:" with a "Choose File" button and the text "No file chosen". A note at the bottom states: "Note: All field names and layers in the file you upload must be the same as the original file." At the bottom right, there are "Cancel" and "Overwrite" buttons. The background shows the ArcGIS Online interface with the "Data" tab selected.

Our Covid-19 Dashboard



Using your data in Map viewer

Home ▾ Covid_19_Webapp New Map ▾ Josiah ▾

Details Add ▾ Basemap Analysis Save ▾ Share Print ▾ Directions Measure Bookmarks Find address or place 🔍

About Content Legend ◀

Contents

- Covid 19 Webapp
- Topographic

Map Labels: NORTH AMERICA, SOUTH AMERICA, AFRICA, EUROPE, ASIA, AUSTRALIA, Atlantic Ocean, Indian Ocean, Pacific Ocean

Scale: 0 2000 4000km

POWERED BY esri Esri, HERE, FAO, NOAA

Web App showing covid-19 confirmed cases globally



Thank You !!

