

GovTech Maturity Index (GTMI) Data Dashboard User Guide

November 2022



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The GovTech Maturity Index (GTMI) [Data Dashboard](#) was launched in November 2022 to provide users with a means to visually review and compare data on four GovTech focus areas by year, economy, region, GTMI components, among others. The dashboard is structured in six pages, each one offering multiple filters and views to allow the user to gain different insights. In addition to the [GTMI data](#), the users can explore the details of World Bank investments in four GovTech focus areas through the “Projects” page providing access to the 2022 [GovTech Projects Database](#). It includes data on 1449 digital governance/GovTech projects funded in 147 countries since 1995. This quick reference guide introduces the six pages of the dashboard, together with an explanation of various dashboard actions to assist the users in navigating the platform.

Please reach out to gtmi@worldbank.org for any questions, clarifications, and suggestions on the GTMI, dashboard, and user guide.

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I. Dashboard Overview

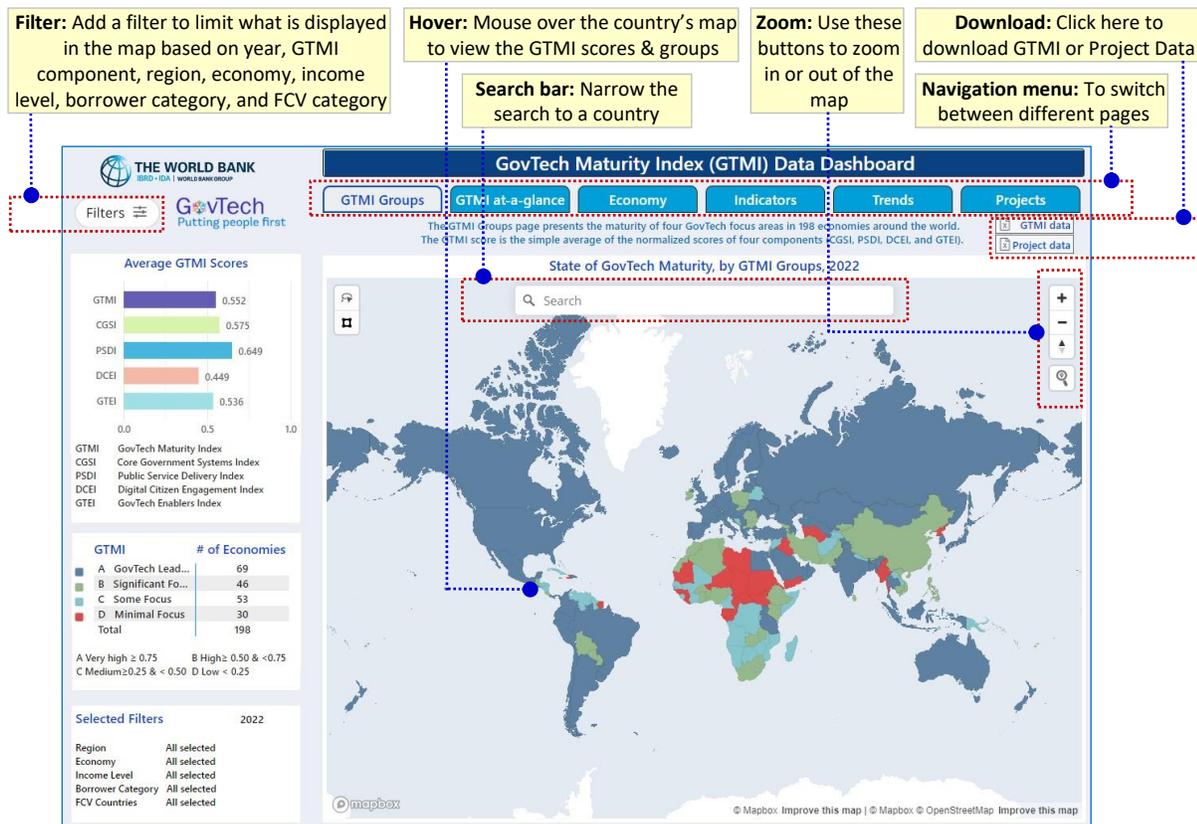


The dashboard consists of six pages (or tabs). Users can use each page to view (and customize) the GTMI from different lenses. The six pages are:

| Page | Description |
|-----------------------------|---|
| GTMI Groups | This page presents the maturity of four GovTech focus areas in 198 economies around the world in a map format. |
| GTMI at-a-glance | This page displays four GTMI components across regions, income levels, and other groupings of interest |
| Economy ¹ | This page allows users to do a deep dive into an economy's GTMI data |
| Indicators | This page presents details of key indicators and related sub-indicators for the calculation of GTMI component scores. |
| Trends | This page displays in diffusion of government systems and institutions, as well as GovTech initiatives and platforms |
| Projects | This page provides an overview of all World Bank funded digital governance/GovTech projects since 1995 |

II. Dashboard Components

1. GTMI Groups

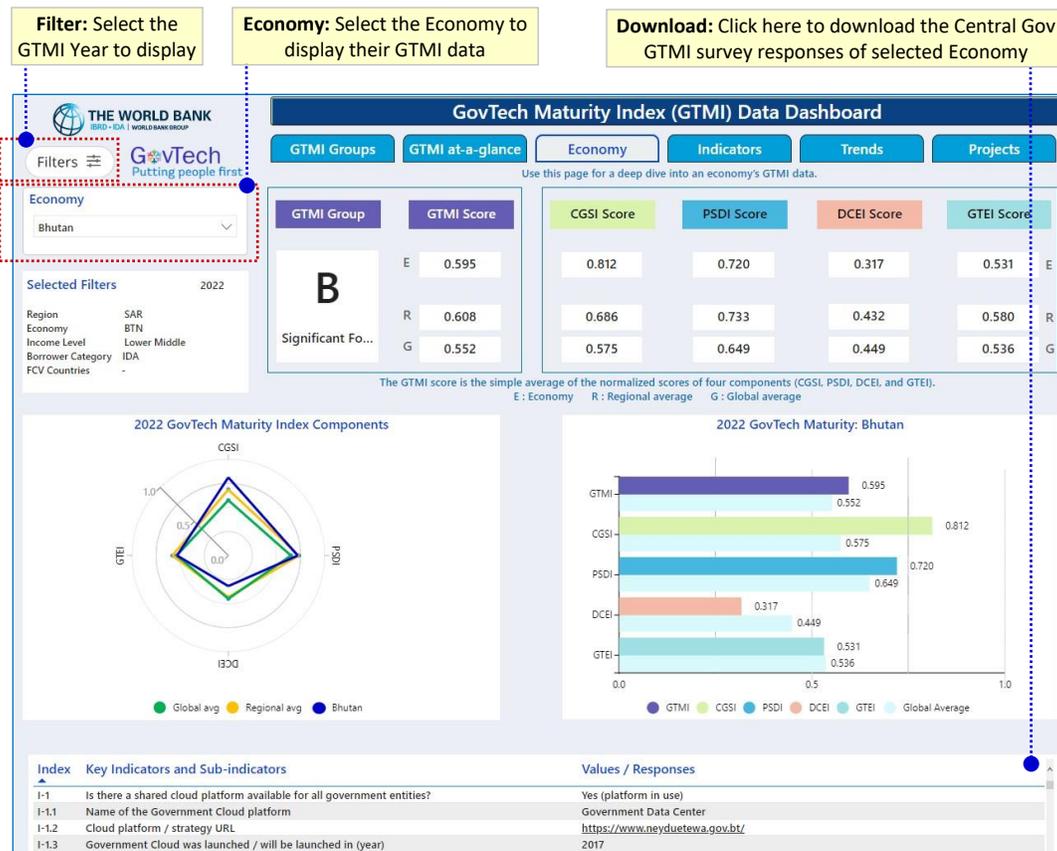


¹ The GTMI covers 198 economies, including all 188 of the World Bank member countries, plus some of the large economies—from EU, OECD and APEC. The term “economy” refers to any territory for which authorities report separate social or economic statistics. The term “economy” may be used interchangeably with “country”, but it does not imply political independence.

2. GTMI at-a-glance



3. Economy

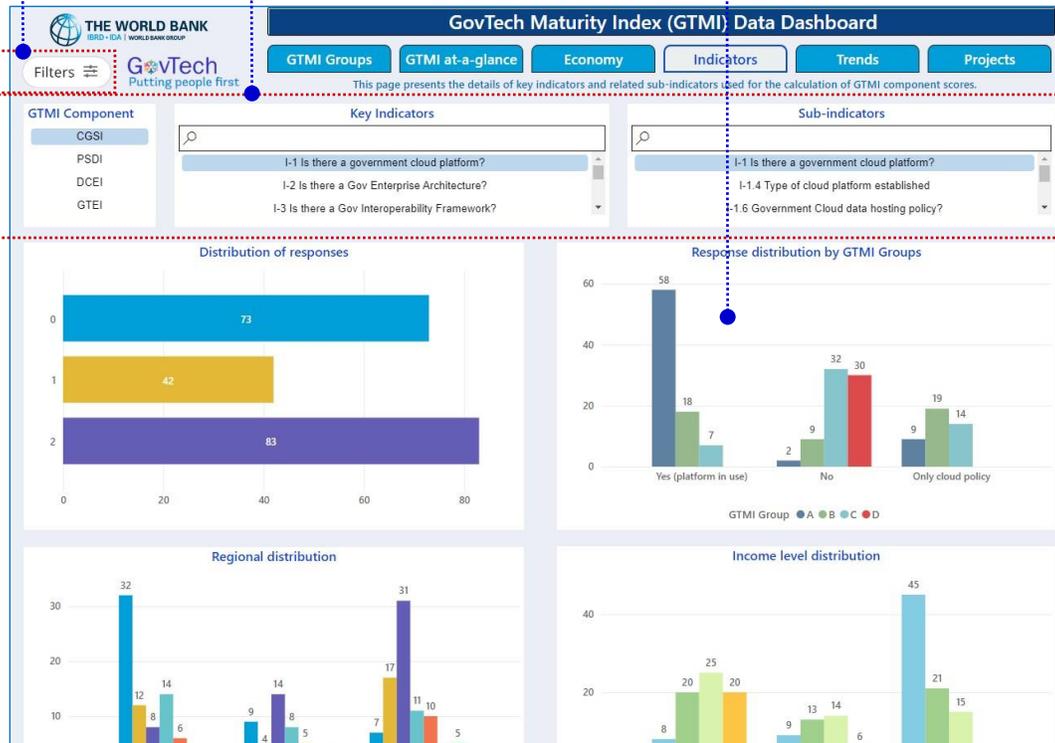


4. Indicators

Filter: Select the GTMI Year to display

Indicator: Select the indicator or sub-indicator to observe. First, select the GTMI component; second, the Key Indicator of interest. It is also possible to view sub-indicator level data

Hover: Mouse over any graph to display the filters used or to enter Focus Mode, which allows zooming in and isolating on the graph

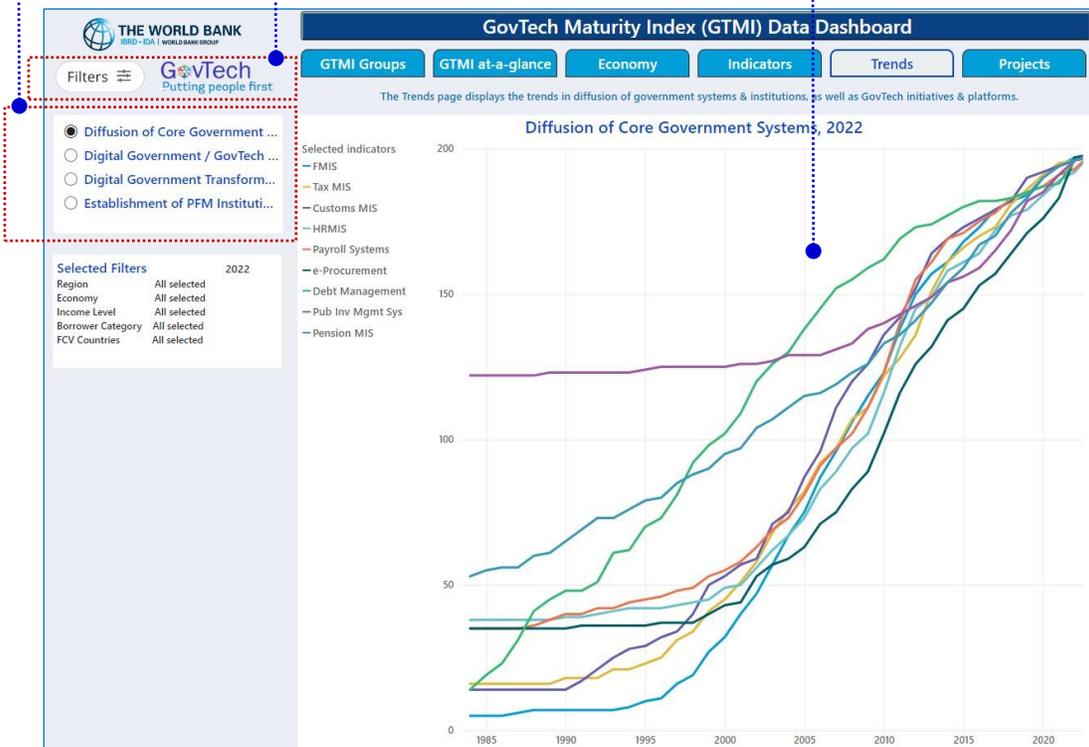


5. Trends

Graph selection: Select the GovTech focus area trend to observe

Filter: Add a filter to limit the data displayed in the graph based on year, GTMI component, region, economy, income level, borrower, and FCV category

Hover: Mouse over the graph to display the filters used or to enter Focus Mode, which allows zooming in and isolating on the graph

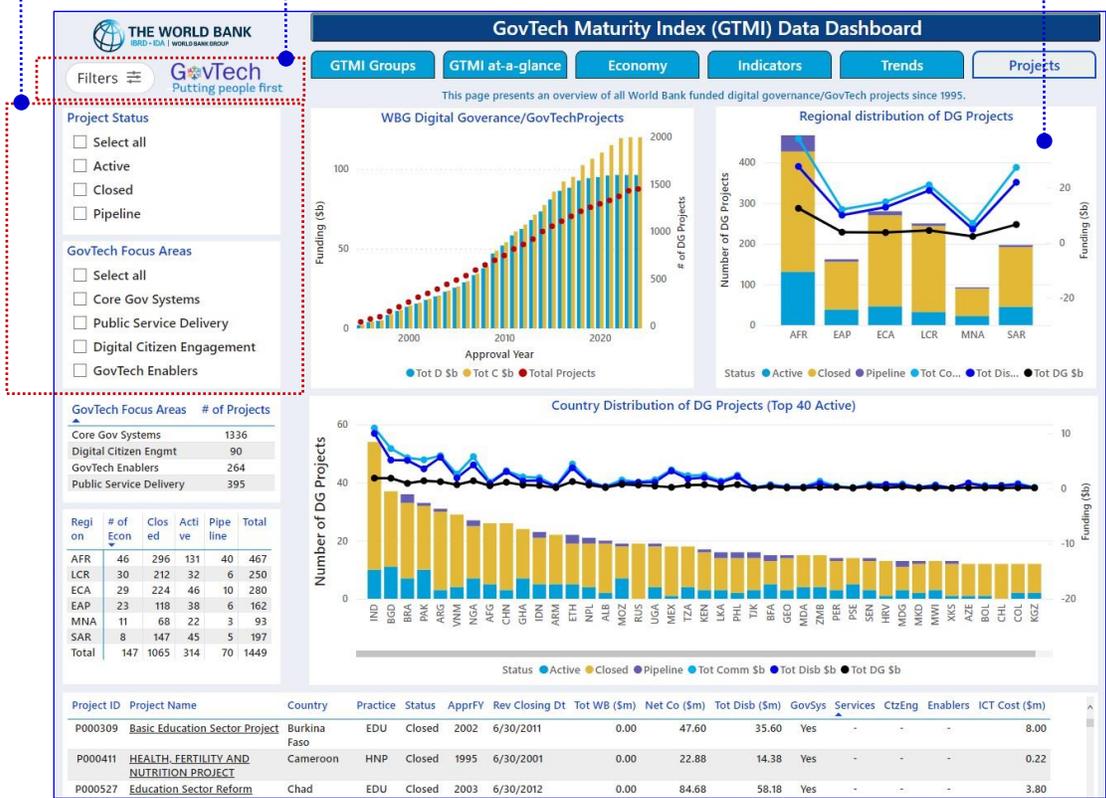


6. Projects

Project type: Select the project status and focus areas.

Filter: Add a filter to limit the data displayed in the graph based on year, GTMI component, region, economy, income level, borrower, and FCV category

Hover: Mouse over the graph to display the filters used or to enter Focus Mode, which allows zooming in and isolating on the graph



III. Dashboard Actions

1. Filtering a page

Using the Main Filter

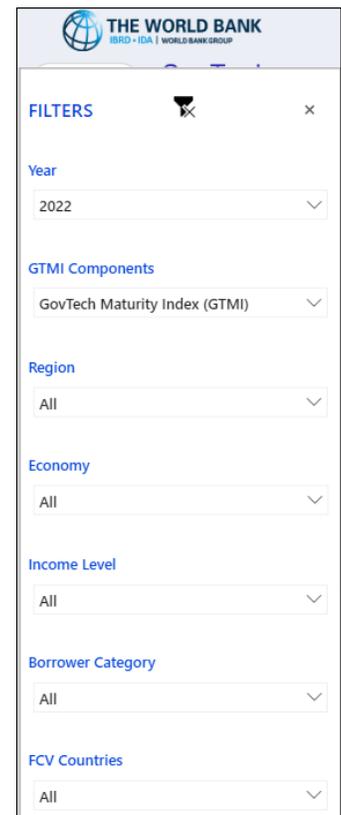
All dashboard pages offer a main filter, which can be accessed from the “Filters” button on the top-left corner of the dashboard.

The menu offers different options relevant to the active page. Users can filter by GTMI data publication year (currently 2020 and 2022), GTMI component, region, economy, income level, World Bank borrower category and by fragility, conflict, and violence (FCV) categories.

This is done by clicking on the drop-down menu on the right-hand-side of the filter to display available options. The dashboard graphs and maps are updated after a single-click of the option.

The default selection is the latest year, overall GTMI (rather than the components) and all regions and economies. The corresponding global map is displayed on the right-hand-side of the filter.

Selections made in the main filter can be cleared/reset using the clear icon  on top of the pop-up. The pop-up filter menu can be closed using the  icon on the top-right corner of the pop-up.

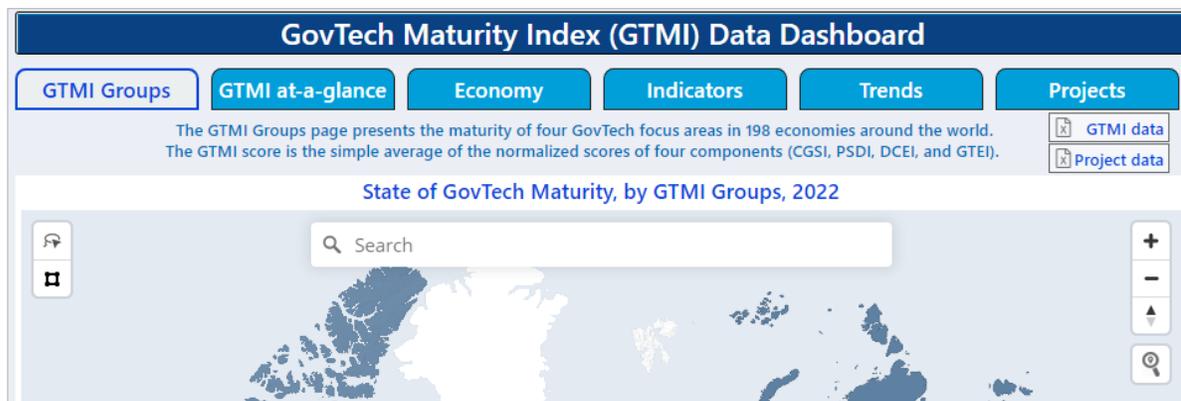


Using on-page filters

The “GTMI Groups”, “GTMI-at-a-glance”, “Economy”, “Indicators”, “Trends” and “Projects” pages offer filters and search options, which can be used to slice the presented data.

GTMI Groups page

The “GTMI groups” page includes a search bar that can be used to narrow the search to a country. Users can mouse over the country’s map to view the scores and groups for the overall GTMI and the components, along with additional information on the economy. To zoom in and out of the map, users can use the buttons at the top-right of the map.



GTMI-at-a-glance page

At the center of this page, the “Select View” menu provides an additional filter. This filter customizes the bottom two figures, which display the average GTMI values per component and the count of economies in GTMI groups. These figures can be customized based on the filters of region, income level, borrower category, and fragile and conflict-affected situations (FCS).



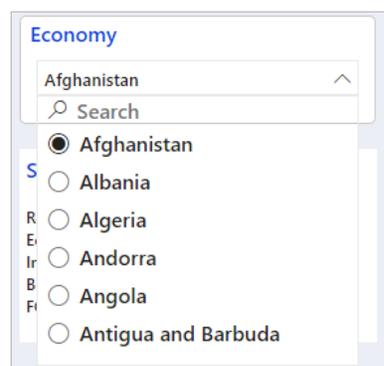
For example, selecting “By income levels” manipulates the figures so they display: (1) average GTMI components, by income levels and (2) income level distribution, by groups.

Economy page: Single-Select Filters

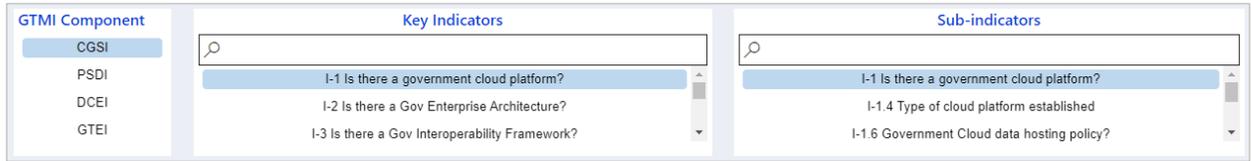
Using the Economy filter on the top-right corner, users can select and analyze any of the 198 economies. This is a single select filter; only one economy can be selected at a time.

The top part of the page displays economy-specific information on GTMI (E) and its components, which are juxtaposed against the associated regional (R) and global (G) averages.

The bottom half of the page displays a radar diagram of four GTMI components for the selected economy (E), together with the regional (R) and global (G) averages. GTMI components and global averages are also displayed through a horizontal bar chart.



Indicators page: Cascading Filters



This page includes three sets of filters. Users should begin from the far-left (the “GTMI Component” filter), as that selection will update the options available for the “Key Indicators” filter, which will then update the options available for the “Sub-indicators” filter. The default is set to the first option in each menu.

These filters will customize four graphs: the top-left graph will present the overall distribution of the responses and the remaining three graphs will present the response distribution for the indicator by GTMI group, region, and income level distribution.

Trends page

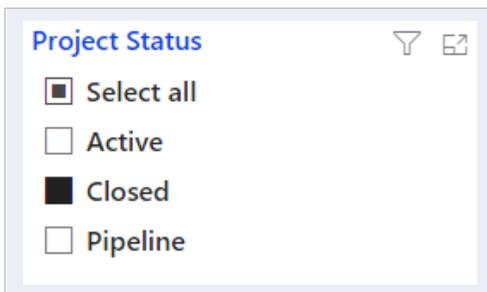
By selecting from the top-left box, users can view GovTech trends over time. Specifically, they can choose to view trends regarding the prevalence of core government systems, digital government institutions and strategies, digital government initiatives, and establishment of public financial management (PFM) institutions.



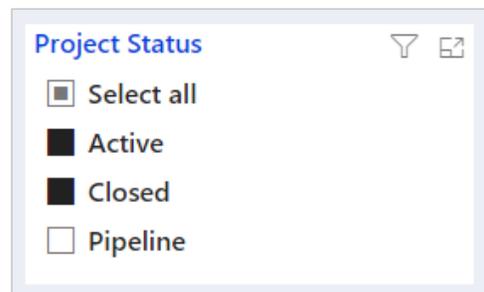
This can be used in combination with the “Filters” menu.

Projects page: Single and Multi-Select Filters

On the top-left of the page, users can employ filters that allow single- and multiple-filter selection.



The menu will normally behave as single-select filter.



The users can select multiple filters by holding the “Ctrl” button while selecting options.



Alternatively, users can first use the “Select all” option...



...and deselect options that do not apply to leave the remaining selected options.

Users can create graphs analyzing the digital government projects funded by the World Bank Group, coupled with the country-level and regional distribution of the projects.

2. Curating your view

Pre-set custom views

The “GTMI at-a-glance” page, for instance, offers a way to select different presentations of the page – with different set of charts from regional, income level, borrower category or FCS category perspective. Each view can be toggled from the “Select View” menu located in the center of the page.

Sorting tables

All tables will have a small blue chevron in each column, either already visible or visible upon hovering. Users can click on that chevron to sort the table by that column.

| Income Level | # of Economies |
|--------------|----------------|
| High | 62 |
| Upper Middle | 54 |
| Lower Middle | 54 |
| Low | 28 |
| Total | 198 |

Zooming in on a chart

Visuals in the dashboard will offer an option for the user to pop the visual over the full display area. To go back to the main view, users can use the Back button at the top-left corner of the pop-up screen.

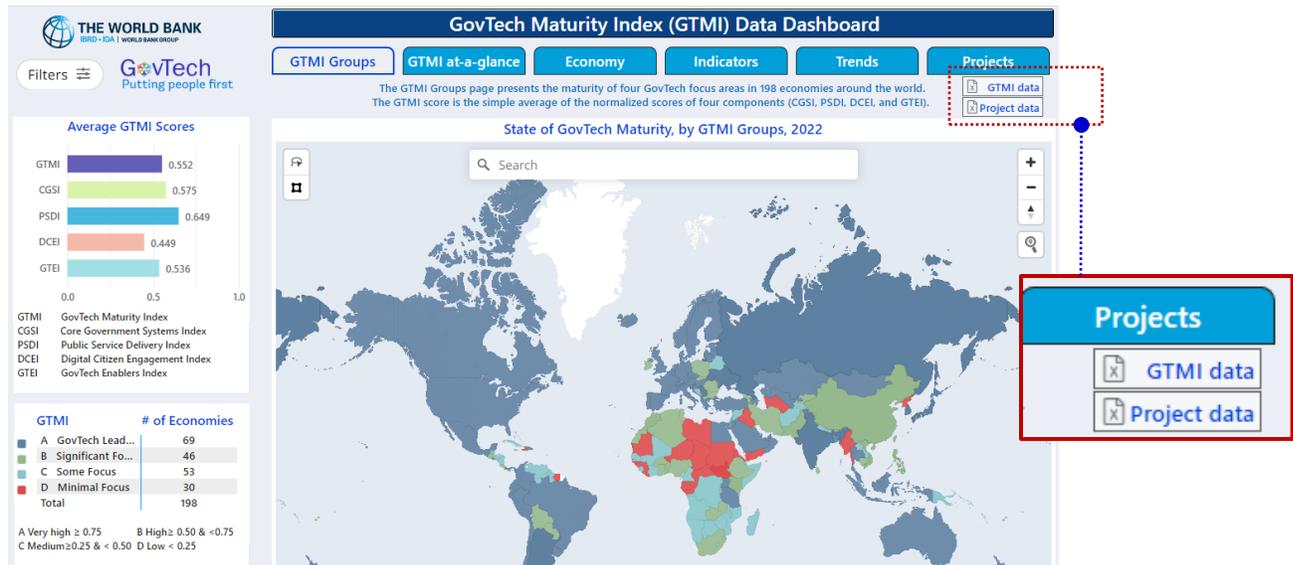


Click “Back to report” or Press Escape to return to the main view.

*Hover your mouse over a graph.
Two icons will appear on the top-right corner.
Select the right-most icon.*

3. Downloading the data

The **GTMI data** ([GovTech Dataset](#)) and the **Projects data** ([Digital Governance/GovTech Projects Database](#)) can be downloaded from the links located at the top-right corner of the “GTMI Groups” tab. The links will send the user to the World Bank’s Data Catalogue.



Downloading the filtered contents

The users can also download the filtered parts of the dataset while working on the “GTMI Groups”, “Economy”, and “Projects” pages. To download the filtered contents:

- Hover your mouse over a graph or table.
- The “More options” icon (three dots/...) will appear on the top-right corner of the graph or table.
- Click to see available options and select “Export data” to download the selected part of the dataset in one of the standard formats available.