Comprehensive Analysis of Japan's Industrial Resilience: Pre- and Post-Disaster Trends (2012-2023) with a Focus on the Impact of the Great East Japan Earthquake and COVID-19

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Abstract

The provided text appears to be an overview of a series of research reports focused on industrial resilience in Japan, particularly in response to disasters and the impact of the COVID-19 pandemic. Here's a detailed explanation of each section: And The text emphasizes the dynamic nature of the data and the ongoing process of revision and update, highlighting the complexity and fluidity of industrial resilience research in the context of major disasters and global pandemics. Graphs and other data can be extracted from the links.

(1) Publish the results of pre-research by industry in Japan regarding disasters - industrial resilience (2012-2023) (tentative versions A to E).

***E. is CSV list**

(2) Regarding industrial resilience before and after COVID-19 (2018-2021)

Results of pre-research by industry in Japan (tentative version) ❶-❽ have been uploaded (2023/07/26).

Below: Due to the large amount , please use the page by searching for keywords .

Also, since the results of this research are based on aggregation of survey results , please treat them as provisional and reference values.

(Fixes in statistical processing are pointed out and updated as soon as they are confirmed.)

A. Partial excerpt: Revised version: Chronological trend table of the number of cases in each industry/industry for each quarter since the Great East Japan Earthquake (January 2012 to fall October 2018), including top information on increases and decreases

B. Full version: Time-series trend table of the number of cases in each industry and industry for each quarter since the Great East Japan Earthquake (January 2012 to October 2018 fall), including

top information on increases and decreases (This is also the full version, Some of the graphs are difficult to read, so we recommend that you refer to C and D below.)

C. Complete version: Time-series trends in the number of cases for each industry/industry every quarter since the Great East Japan Earthquake (January 2012 to fall October 2018), including top information on increases and decreases

D. Complete version: Time-series trend chart of the number of cases in each industry/industry for each quarter since the Great East Japan Earthquake (January 2012 to fall October 2018), including top increase/decrease information (abnormal values using Z-score) Contains a judgment flag (Z-score is a method used in statistical analysis, and is a value obtained by subtracting the average value from the corresponding value of a data group and dividing it by the standard deviation: also called deviation value (Z-score))

E. List of industries, cities, towns and villages where Z scores in D were confirmed (tentative version), CSV version (from 2012 to 2018)

(*D is being revised)

❶Revised : Range of industries that decreased the most before and after COVID-19 (2018-2021) (Japan, cities, wards, towns and villages: same period, top 30) and trends in the number of industries in the top regions Using detailed telephone directory data hand

❷ Changes in the number of industries that increased the most before and after COVID-19 (2018-2021) (Japan, cities, wards, towns and villages: top 30 for the same period) and the number of industries in the top regions Using detailed telephone directory data

Click here for detailed survey results

❸Partial excerpt: Time-series trends in the number of cases in each industry/industry before and after COVID-19 (2018-2021): Pre-survey towards disaster resilience (For international conference paper submission)

❹Partial excerpt 2: Time-series trends in the number of cases in each industry/industry before and after COVID-19 (2018-2021): Pre-survey towards disaster resilience (For international conference paper submission)

❺ Top list of industries that have particularly decreased in each quarter before and after COVID-19 (2018-2021), Top list of industries that have decreased: Pre-survey towards disaster resilience (For international conference paper submission)

❻ Top industries that have particularly increased in each quarter before and after COVID-19 (2018-2021), Top industries that have increased: Pre-survey for disaster resilience (For international conference paper submissions)

❼Full version: Top list of industries that have particularly increased in each quarter before and after COVID-19 (2018-2021), Top list of industries that have increased: Pre-survey for disaster resilience (with abnormal value determination flag using Z-score) (Z-score is a method used in statistical analysis, and is a value obtained by subtracting the mean value from the corresponding value of a data group and dividing it by the standard deviation: also called deviation value (Z-score))

List of industries, cities, towns, villages, and periods where Z scores for ❽ ❼ were confirmed (tentative version), CSV version (from 2018 to 2021)

(*❼ is currently being revised)

We also organize and publish resume materials (from 2008).

Although some of it is rough, it is a material that is connected to current research.