TDB Trends Research (Nationwide, Research & Summary for November 2021)

24 of the 51 business sectors have surpassed pre-Covid level

 \sim Recovery is expected to continue although the variant trend is a cause for concern. $\,\sim$

(Companies researched: 23,679; Valid responses: 11,504; Response rate: 48.6%; Survey start date: May 2002)

< Overview of November 2021: Recovery trend >

The economic diffusion index (DI) in November 2021 was 43.1, up 1.6 points from the previous month, and improved for the third straight month. Many positive factors have appeared since the number of new cases of infection has settled, and the domestic economy continued to recover.

< Future outlook: Recovery trend >

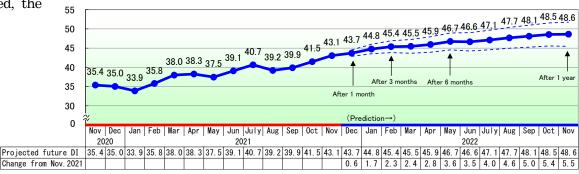
While revenge consumption and recovery production are expected, the economy is believed to be on a recovery trend.

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By industry: Economy has recovered to pre-Covid level in many business sectors, but unit purchase and selling prices continue to increase.

By size: Business confidence of large enterprises and SMEs surpasses pre-Covid level.

By region: Improved in nine of the ten regions. Boosted mainly in the manufacturing industry.



^{*:} Economic DIs are calculated based on the structural ARIMA model, in which economic statistics are incorporated to the ARIMA model.

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TDB Trends Research November 2021

Economic Diffusion Index (Economic DI)1/2

	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Ratio to the Previous Month
Total	35.4	35.0	33. 9	35.8	38.0	38.3	37. 5	39. 1	40.7	39. 2	39.9	41.5	43.1	1. 6
Large Firms		37.4	36. 3	38.2	40.2	40.8	40.2	41.9	42.9	41.4	42.5	43.8	45.7	1. 9
Small to Medium-sized Firms		34. 5	33. 4	35.3	37. 5	37.7	36.9	38.5	40.2	38.8	39.4	41.0	42.5	1.5
Micro Firms	35. 2	34. 2	32. 8	34. 7	36. 7	36. 3	35. 6	37. 1	38. 4	37. 4	38. 7	40.0	41.3	1. 3

		Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Ratio to the Previous Month
Agriculture,Forest	Agriculture,Forestry,Fisheries		35. 4	30. 9	33.8	35. 0	37. 5	37.7	39. 1	38.5	37. 0	38. 1	41.1	42.6	1. 5
Finance		37. 7	35. 6	36. 1	38. 3	39. 2	38. 3	39. 5	41.7	42.8	39. 7	41.5	43.0	43.3	0.3
Construction		41.8	40.9	39. 4	40.6	41.6	41.4	40.0	41.6	42.7	42.5	43.7	44.7	45.4	0.7
Real Estate		36.8	36. 4	35. 5	38.3	40.6	40.8	39. 4	40.9	41.8	39. 4	42.6	43.6	44.7	1. 1
	Food,BEWerages,Livestock Feed	36.0	32.5	30.7	30.8	34. 4	35.2	33.6	34.0	35. 5	32.8	34. 1	38. 1	39.6	1. 5
	Textile, Textile Products, Clothing	26.8	26.1	24.5	26.0	26.8	28.7	29. 2	29.3	31.0	29.3	28. 2	30.2	31.4	1. 2
	Construction Materials, Furniture, Ceramics, Stone and Clay Products	35. 4	36.0	37. 3	37. 2	37.8	39. 3	38. 6	40.1	42.5	41. 2	42.7	43.7	44. 9	1. 2
	Pulp, Paper and Paper Products	29. 2	29.3	27.6	29.4	33.0	34.3	33.5	34. 9	37.2	36.6	36. 2	39.3	41.4	2. 1
	Publishing, Printing	22.7	21.8	20.2	22.2	26.0	27.2	24. 2	27.1	27.4	25.6	27.1	29.4	30.2	0.8
Manufacturing	Chemical	37.7	39.3	38.0	40.9	43.3	44.2	44.3	44.5	46.3	45.0	41.9	42.6	45.7	3. 1
	Steel,Nonferrous Metals,Mining	33. 1	34. 3	33. 9	37.0	39. 3	40.5	39. 9	43.4	46.4	45. 1	43.8	44.2	45.9	1. 7
	General Machinery	31.7	33.5	33. 6	36. 9	41.2	42.1	42.2	43.7	45.9	46.6	46.2	47.2	47.8	0.6
	Electrical Machinery	34.8	35. 5	36. 1	39.6	42.6	43.2	42.8	45.0	46.8	45.9	45.8	47.5	47.0	▲ 0.5
	Transportation Machinery, Equipment	36.3	40.1	40.1	40.3	45.3	45.2	45.3	47. 1	50.6	48.2	37.6	37.7	43.4	5. 7
	Precision Machinery, Medical Instruments and Equipment	35. 5	37. 1	37. 9	42. 4	44. 6	45. 6	48. 7	49. 1	50.5	50. 9	50.8	50.4	49.8	▲ 0.6
	Other	29.6	31.9	31.5	31.4	34. 1	35.3	33.0	34. 1	37.6	33. 9	35.3	35.5	36.9	1.4
	Total	33.3	33. 9	33. 4	35.6	38. 5	39. 5	39.0	40.6	42.7	41.5	40.7	42.1	43.6	1.5
	Food,BEWerages	31.6	29.5	26.8	29.2	30.7	30.1	29.4	30.7	31.3	29. 1	29.8	33.0	36. 9	3. 9
	Textile, Textile Products, Clothing	22.3	22.7	21. 2	19.8	23. 9	23. 1	21.7	22.5	22.8	21.2	22.4	24.5	27.4	2. 9
	Construction Materials, Furniture, Ceramics, Stone and Clay Products	35. 9	36. 1	34. 7	34.8	36. 7	37. 2	36. 5	36. 3	37.8	37. 7	39. 6	39. 9	42. 6	2. 7
Wholesale	Paper Products, Stationery, Books	26.7	28.3	26.3	29.3	32. 2	32.4	30.6	31.4	31.2	29. 2	29.6	31.8	35.0	3. 2
	Chemical	36. 1	35.7	34. 3	37.7	39. 1	40.9	40.7	42.0	42.4	40.7	42.2	44.2	45.3	1. 1
	Recycled Resources	38.7	44.4	45.6	42.4	45.4	55.1	53.4	52.0	53.7	51.4	51.8	53.4	52.9	▲ 0.5
	Steel,Nonferrous Metals, Mining Products	32. 1	34.0	32. 6	33. 4	36.0	37. 2	37. 5	38. 7	41.1	41.1	41.6	41.6	43. 2	1.6
	Machinery, Equipment	34.6	34. 4	34.6	36.7	39.5	40.1	39.0	40.7	43.1	41.3	41.8	42.6	44.4	1.8
	Other	33.0	31.6	29.0	31.3	34.4	34. 1	32.2	35.5	36.6	33.0	34. 4	37.8	39.7	1.9
	Total	33.0	32.8	31.6	33. 3	35.8	36.2	35. 3	36.8	38. 3	36.6	37.6	39. 1	41.3	2.2

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Economic Diffusion Index (Economic DI)2/2

		Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Ratio to the Previous Month
	Food,BEWerages	37.0	34.6	33.8	33. 1	34.1	32.8	32.6	34. 9	37. 5	36.0	33. 1	38.0	39. 7	1.7
	Textile, Textile Products, Clothing	23.7	22.0	22.7	21.4	23.3	25.0	21.2	20.3	25.0	21.4	21.5	27.9	34. 1	6. 2
	Drugs,Sundries	29.8	31.3	30.2	32. 5	31.1	35.8	29.3	31.4	32.5	33.3	34.6	45.8	37.5	▲ 8.3
	Furniture	38.9	35.4	34. 4	36.7	38.9	42.7	40.6	39.8	36. 9	34.6	32.2	35.6	34. 5	▲ 1. 1
Retail	Electrical Household Appliances, Information Machinery and Equipment	33. 3	29. 5	28. 3	36. 3	34. 4	37.8	30.8	35.8	37. 7	33.8	33.8	34.6	35. 9	1. 3
	Motor Vehicles, Motor Vehicle Parts	40.2	37. 2	35. 7	37. 6	37.0	38. 3	38.6	40.7	40.5	36.8	37. 2	35. 9	37.8	1.9
	Special Merchandise	33. 3	34. 7	32.6	35. 5	35.9	34.6	34.5	34.8	34. 3	32.6	31.7	32.8	33. 5	0.7
	Various Merchandise	37.3	39. 2	38. 7	36. 2	37.3	32. 2	31.1	33.0	35. 6	27.3	33.0	35. 9	38. 0	2. 1
	Other	34.8	33.3	30.3	33.3	35.0	40.5	25.0	33.3	35.7	37.0	35.4	31.7	37.9	6. 2
	Total		34. 2	32. 9	34. 5	34.9	34.7	33. 1	34.5	35. 4	32.7	32.6	34.8	36.0	1. 2
Transportation	on,Warehousing	32. 5	31.5	30.0	31.7	33. 9	34. 5	33. 7	34. 5	36. 3	36.0	35.8	37. 1	39. 1	2.0
	Restaurants	21.0	15.3	10.3	12.8	18.9	14. 9	13.0	20.5	19.7	14.8	15.2	27.8	31.4	3. 6
	Postal, Telecommunications	47.2	38. 9	46.3	38. 1	43.8	38. 9	40.5	27.8	42.9	39.6	41.7	50.0	40.5	▲ 9.5
	Electricity,Gas,Water,Heat	40.0	38.6	42.5	39. 5	47.1	40.4	41.2	45.0	40.8	44.4	45.8	42.6	38. 9	▲ 3.7
	Leasing,Rentals	37. 5	36. 2	33.5	32.8	35.0	35.4	35.0	38. 1	41.0	37.4	39.6	43.9	44. 9	1. (
	Lodging, Hotels	28.8	11.9	3.4	4. 4	10.9	8.6	5.6	11.6	13.0	10.0	10.4	22.6	30.2	7. 6
	Recreation	29.0	27.0	24.0	25.8	33.1	25.8	29.5	29. 2	34.8	29. 2	29.0	34.0	36.7	2.7
	Broadcasting	38.6	42.2	36. 3	42.6	51.0	42.7	42.7	42.2	42.2	38. 9	39. 2	49.1	48. 1	▲ 1.0
Service	Maintenance, Guarding, Testing	38. 5	38.6	36. 3	37. 5	40.4	39. 2	40.8	42.7	41.9	41.6	44.0	44.3	45.3	1. (
	Advertising	22. 3	22.5	20.2	24.7	26.5	25.6	23.4	27.5	27. 5	26.8	29.5	32.4	36.8	4.4
	Information	41.6	41.2	41.3	43.6	45.5	45.2	44. 9	46.8	48.2	46.7	48.5	50.5	51.2	0.7
	Labor Dispatching	34.3	31.5	31.6	33.6	34.1	35.8	35.5	36.2	41.9	38. 4	41.9	39.7	44.3	4.6
	Special Services	42.5	41.0	38.8	42. 9	43.6	43.5	41.5	43.4	47.3	44.4	45.5	47.9	49.2	1.3
	Medical, Welfare, Public Health	34. 9	34.8	32.7	34.7	37.1	39. 1	39.2	41.2	42.1	41.1	41.4	42.8	45.7	2.9
	Education	34.0	34.0	33.3	34.0	32.1	35.7	37. 1	38.7	40.3	37.5	39.0	43.5	39. 1	▲ 4.4
	Other	31.4	32.6	30.9	34. 2	34.5	34.8	35.2	35.8	37. 4	34.7	39.2	40.6	41.7	1. 1
Total		36.8	35. 7	33. 9	36. 5	38.5	37. 9	37.5	39.7	41.5	39. 1	41.1	43.6	45.3	1.7
Other		29.4	30.8	29.5	30.5	34.4	34. 1	33.3	35.5	34. 7	35.3	35.6	38.0	39.6	1.6

	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Ratio to the Previous Month
Hokkaido	34.4	33.0	32.4	33. 9	35.3	36.2	34. 5	37. 1	38.3	38.0	38.5	40.8	40.8	0.0
Tohoku	36.0	35. 4	33.8	35.4	36.8	38.0	37.7	39.3	40.0	38.4	39.0	40.2	42.1	1.9
kitakanto	36.6	35. 9	34.9	37. 2	39. 2	39.7	39. 5	41.2	42.7	41.5	40.4	42.8	44.4	1.6
minamikanto	35.3	35. 2	34.0	35.9	38.4	38.7	38.4	39.8	41.0	40.0	41.4	42.4	43.9	1. 5
Hokuriku	34.7	35.0	32.7	34.6	38. 2	38.6	37. 1	39.2	40.6	39. 1	40.4	41.2	42.6	1.4
Tokai	35. 6	35. 3	34. 1	36. 1	38. 4	38.9	37. 9	39.4	42.0	40.0	39. 1	40.1	42.4	2.3
Kinki	34.1	33. 9	33. 1	35.5	37.4	37.0	36.2	38.1	40.3	38.7	39.3	41.3	42.7	1.4
Chugoku	35.5	34.8	34. 5	36. 2	37.7	37.8	36.0	37.9	39.0	38. 2	38.7	41.2	42.3	1. 1
Shikoku	35.3	35. 4	33.8	35.4	37.5	36. 4	35.8	37. 6	38. 2	36. 9	38. 3	39. 0	41.8	2.8
Kyushu	37.7	36. 9	35.3	37.0	39.0	39.5	37. 5	38. 3	40.5	37.4	39. 1	42.0	44. 3	2. 3

Appendix

1.Research Subjects(Companies researched: 23,679; Valid responses: 11,504; Response rate: 48.6%)

1.Region

9			
Hokkaido	561	Tokai	1,327
Tohoku	845	Kinki	1,980
kitaKanto	879	Chugoku	675
minamikanto	3,298	Shikoku	400
Hokuriku	615	Kyushu	924
		Total	11,504

2.Industry (10 Industries 51 Lines of business)

Agriculture,For	estry, Fisheries	74
Finance		124
Construction		1,905
Real Estate		387
	Food, Beverages, Livestock Feed	377
	Textile,Textile Products,Clothing	118
	Construction Materials, Furniture, Ceramics, Stone and Clay Products	247
	Pulp, Paper and Paper Products	101
	Publishing, Printing	184
Manufacturing (3,125)	Chemical	419
	Steel, Nonferrous Metals, Mining	543
	General Machinery	518
	Electrical Machinery	335
	Transportation Machinery, Equipment	122
	Precision Machinery, Medical Instruments and Equipment	78
	Others	83
	Food, Beverages	386
	Textile,Textile Products,Clothing	185
	Construction Materials, Furniture, Ceramics, Stone and Clay Products	346
Wholesale	Paper Products, Stationery, Books	111
(2,915)	Chemical	279
	Recycled Resources	40
	Steel, Nonferrous Metals, Mining Products	304
	Machinery, Equipment	917
	Others	347

	Total	11.504
thers	1	5
	Others	20
	Education	3:
	Medical,Welfare,Public Health	133
	Special Services	30
	Labor Dispatching	70
	Information	488
	Advertising	10
(1,879)	Maintenance,Guarding,Testing	20-
Service	Broadcasting	18
	Recreation	6
	Lodging, Hotels	4
	Leasing, Rentals	12-
	Electricity,Gas,Water,Heat	1
	Telecommunications	
	Restaurants	6
ansportation	n,Warehousing	54
	Others	1
	Various Merchandise	5
	Special Merchandise	17
	Motor Vehicles, Motor Vehicle Parts	7
(493)	Electrical Household Appliances, Information Machinery and Equipment	3
Retail	Furniture	1
	Drugs,Sundries	2
	Textile,Textile Products,Clothing	4
	Food, Beverages	6

3.Size

Large Firms	1,926	16.7%
Small to Medium-sized Firms	9,578	83.3%
micro Firms	3,421	29.7%
Total	11,504	100.0%

2.Research Items

*Business Confidence (current, in 3 months, in 6 months, in 1 year)

*Business Conditions (sales, purchasing and selling unit price, inventory, capacity utilization ratio, number of employees, overtime work hours)

3. Research Period and Methodology

Internet-based survey conducted Nov 16 – 30 2021

The explanation of the Economic Diffusion Index

Research Purpose/Researched Terms

TDB Economic Trend Research (started from May 2002) is a monthly statistical survey conducted for over 24,000 nationwide corporations on their general business activities including the current condition and future outlook of the industry business performance and operating climate. The primary purpose of such a survey is to assess the current state of Japan's economy.

Selection of the Subject Corporations

Companies of all sizes in all domestic industries are eligible to participate in the survey.

DI Calculation

The DI (Diffusion Index) is calculated by multiplying the number of responses for each assessment category by the number given in parentheses in the table below, to a seven-level assessment rated by companies.

Selection category	Extremely good	good	fairly good	neither good nor bad	fairly bad	bad	very bad
points	6	5	4	3	2	1	0
number of responses for each category	N ₆	N_5	N ₄	N ₃	N_2	N_1	N_0

Economic DI

$$= \frac{\text{Total of (Points for each category} \times \text{Number of responses for each category})}{\text{Number of valid responses } N} \times \frac{1}{6} \times 100$$

$$\equiv \frac{\sum_{i=0}^{3} i \times N_i}{N} \times \frac{1}{6} \times 100$$

An economic DI of 50 is **the point separating good and bad**, so a DI over 50 means "good," and below 50 means "bad." (The numbers are rounded off to one decimal place.) No weight is given according to a company's size, and calculations are made on the basis of "one company, one vote."

Size Classification

Industry	Large Firms	Small to Medium-Sized Firms (Micro Firms included)	Micro Firms
Manufacturing and Other Industries*	Capital: More than 300 million yen and No. of Employee: Over 300	Capital: Below 300 million yen or No. of Employee: Below 300	No. of Employee: Below 20
Wholesale Trade	Capital: More than 100 million yen and No. of Employee: Over 100	Capital: Below 100 million yen or No. of Employee: Below 100	No. of Employee: Below 5
Retail Trade	Capital: More than 50 million yen and No. of Employee: Over 50	Capital: Below 50 million yen or No. of Employee: Below 50	No. of Employee: Below 5
Service**	Capital: More than 50 million yen and No. of Employee: Over 100	Capital: Below 50 million yen or No. of Employee: Below 100	No. of Employee: Below 5

Note1: Large Firms refer to companies that rank in the top 3% in terms of sales volume according to the type of business, among small to midium-sized corporations excluding micro firms, which are defined in Small and Medium Enterprises Basic Act.

Note2: Small to Medium-Sized Firms refer to companies that rank in the bottom 50% in terms of sales volume according to the type of business, among those not categorized as small to midium-sized corporations in Small to Medium-Sized Enterorises Basic Act.