

# PRE AND POST PANDEMIC UNEMPLOYMENT IN NORTHERN KENTUCKY

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Northern Kentucky | Cincinnati Metro Area  
Economic Analysis | 2022

# PROJECT OVERVIEW

**1. HIGHLIGHTS**

**2. METHODOLOGY**

**3. ANALYSIS & RESULTS**

**4. CONSIDERATIONS & CONSTRAINTS**

**5. SOURCES**

# HIGHLIGHTS

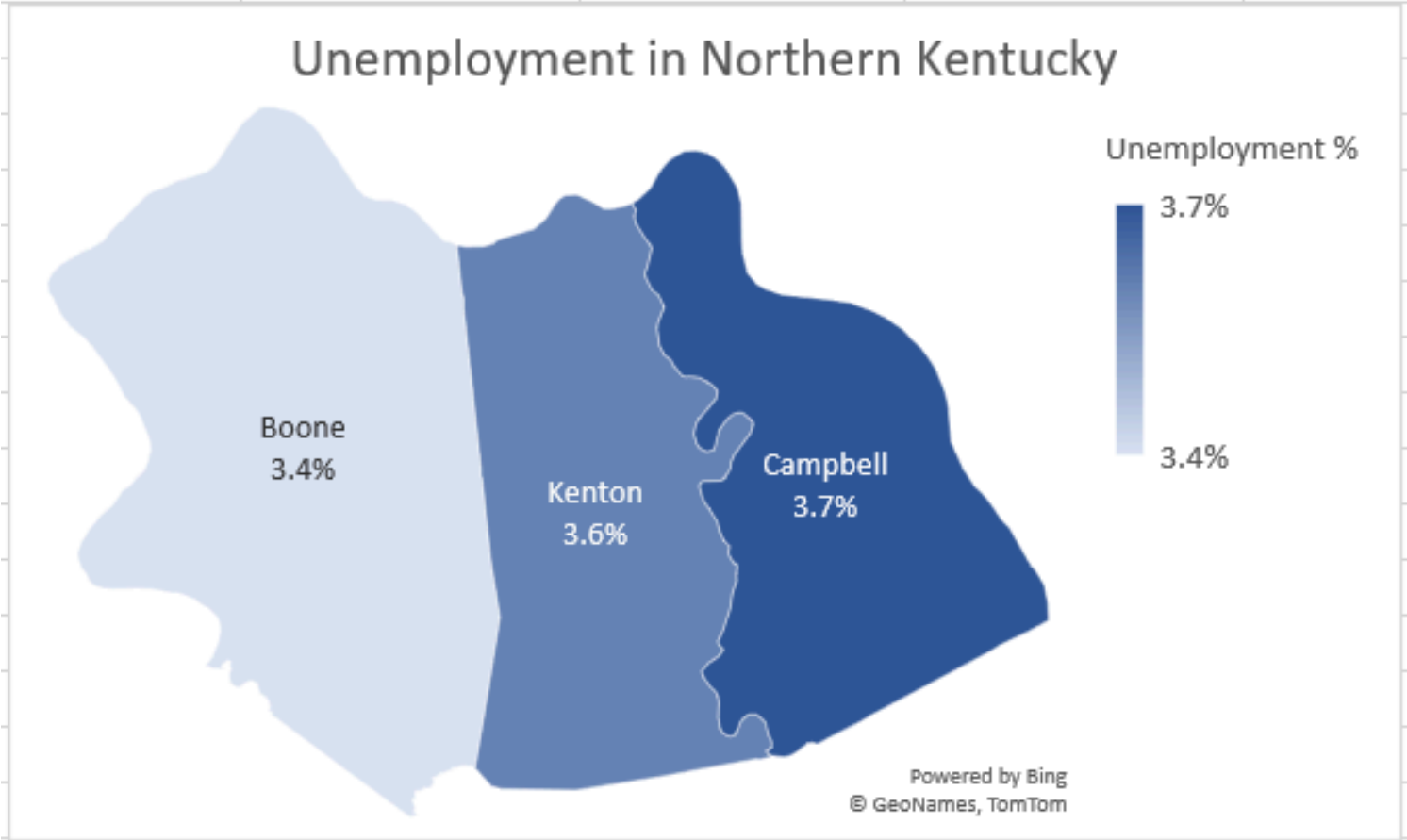
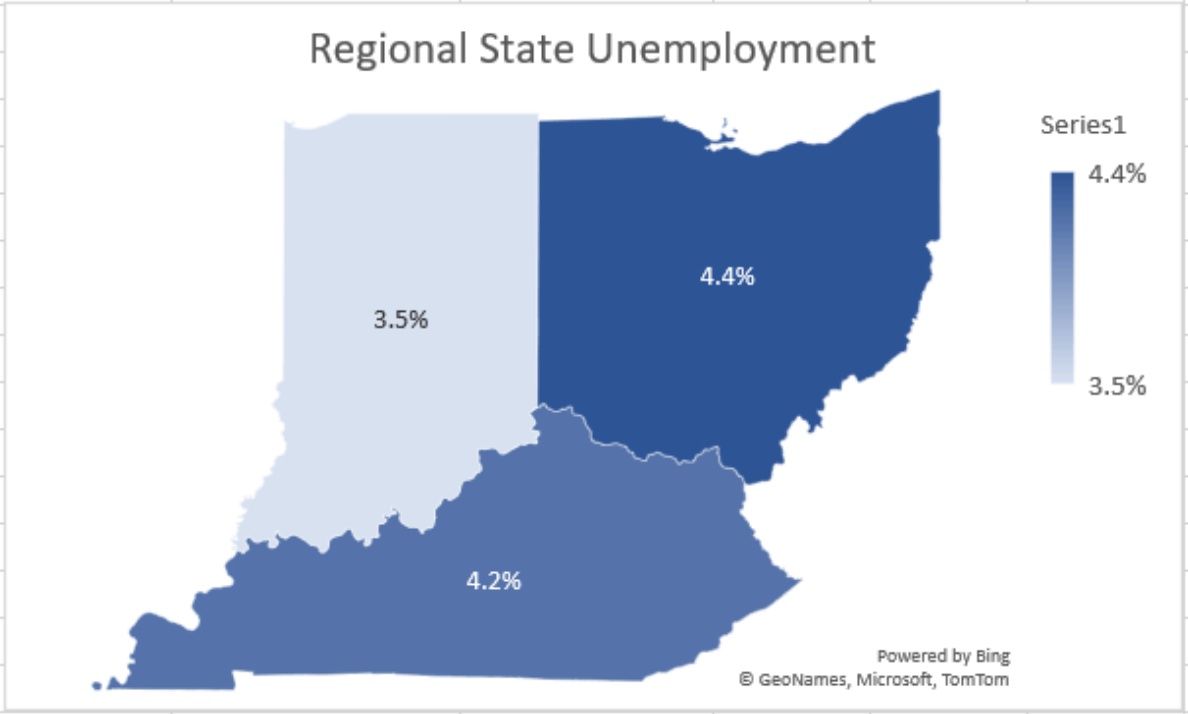
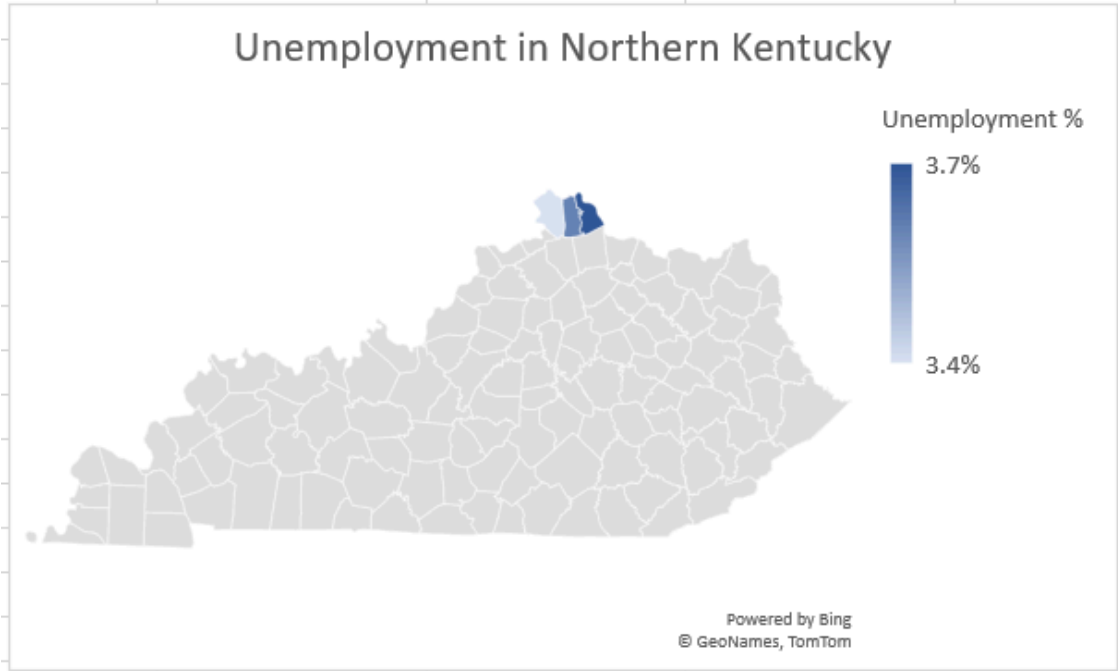
- 1. AVERAGE UNEMPLOYMENT IN NORTHERN KY COUNTIES IS LOWER THAN STATE AND REGIONAL AVERAGE**
- 2. SEVERAL INDUSTRIES ARE EXPERIENCING GREATER THAN AVERAGE POST-PANDEMIC UNEMPLOYMENT**
- 3. LARGEST INDUSTRIES IN NORTHERN KY COUNTIES IMPACTED BY POST-PANDEMIC UNEMPLOYMENT**

# METHODOLOGY

1. Define Place and Time
  - a. Northern KY: Boone, Kenton, and Campbell Counties
  - b. Pandemic Recession began late 2/2020 and lasted 2 months
    - i. Time: March and April 2020
  - c. Equal length of time pre and post pandemic
    - i. Pre-Pandemic: 10/2017-2/2020
    - ii. Post-Pandemic: 3/2020-7/2022
2. Collect Data
  - a. US. Bureau of Labor Statistics
  - b. Federal Reserve Economic Data
3. Organize and Analyze Data
  - a. Tool: Microsoft Excel

# NORTHERN KY UNEMPLOYMENT

County	State	Country	Unemployment %
Boone	Kentucky	United States	3.4%
Kenton	Kentucky	United States	3.6%
Campbell	Kentucky	United States	3.7%

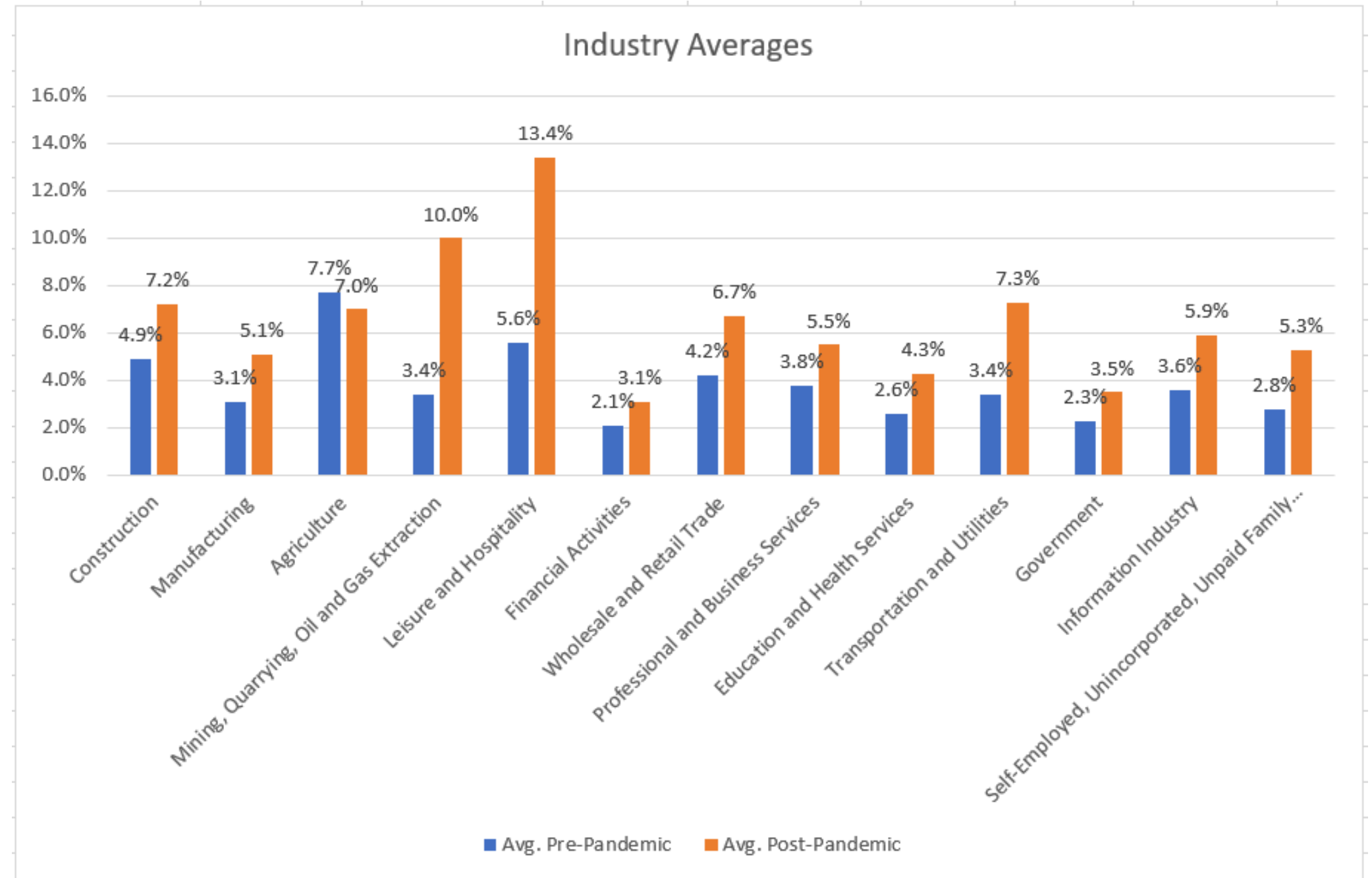


**NORTHERN KENTUCKY  
AVG  
3.5%**

**REGIONAL AVG:  
3.9%**

# AVG. UNEMPLOYMENT BY INDUSTRY: PRE AND POST-PANDEMIC

DATE	Construction	Manufacturing	Agriculture	Mining, Quarrying, Oil and Gas Extraction	Leisure and Hospitality	Financial Activities	Wholesale and Retail Trade	Professional and Business Services	Education and Health Services	Transportation and Utilities	Government	Information Industry	Self-Employed, Unincorporated, Unpaid Family Worker
10/1/2017	4.5	3.2	4.3	4.8	5.8	2.2	4.2	4.1	2.9	4.1	2.2	3.9	3.1
11/1/2017	5	2.6	7.2	2.4	6.6	2.1	4.2	4	2.5	3.7	2	5.2	3.2
12/1/2017	5.9	3.3	11.9	5.1	6.2	1.5	4.1	4.2	3	3	2.2	3.8	2.9
1/1/2018	7.3	3.4	10	4.1	6.8	2.2	5.3	5	2.7	3.5	2.2	5.3	3.5
2/1/2018	7.8	3.6	9.6	6.6	6.8	2.2	5.3	4.8	2.5	3.7	1.9	3.2	3.6
3/1/2018	7.4	3.3	9.7	6.9	5.8	1.8	4.8	4.2	2.6	3.6	2.4	4.1	3.3
4/1/2018	6.5	3.3	9	4.7	5.2	1.6	4.2	3.5	2.3	3	2	2.3	2.9
5/1/2018	4.4	3.4	5.8	3	4.9	1.7	4.5	4	2.3	3.2	2	3.5	2.3
6/1/2018	4.7	3.1	7.2	2.9	5.7	2.1	4.2	3.3	3.2	3.2	3.2	4.6	3
7/1/2018	3.4	3.8	5.9	3.4	5.2	2.3	4.1	3.6	3.2	3.6	3.6	4.2	2.9
8/1/2018	3.4	3.2	7.2	1.9	5.8	2.7	4.3	3.5	3.1	3.4	2.8	3.5	3
9/1/2018	4.1	3.5	4.1	1.7	5.4	2.7	4	3.2	2.8	2.6	2	2.3	2.5
10/1/2018	3.6	3.2	4.1	1.7	5.4	2	3.9	4	2.7	3.1	1.9	3.2	2.6
11/1/2018	3.9	2.9	6.7	1.9	5.3	2.1	3.9	3.6	2.3	3.7	2	3.8	2.1
12/1/2018	5.1	2.8	8.6	2.6	6	2.4	3.7	4.3	2.1	3.9	2.5	3.9	2.5
1/1/2019	6.4	3.3	14.1	5.3	6.4	2.4	4.8	4.9	2.6	3.6	2.6	4.7	3.7
2/1/2019	6.2	2.9	11.1	3.6	5.8	2.6	5	4.3	2.5	4.1	1.8	4.1	3.4
3/1/2019	5.2	2.9	11.5	3.6	5.8	2.8	4.7	3.9	2.3	3.6	1.9	4	3.8
4/1/2019	4.7	3	7.3	2.4	4.5	2.1	4.3	3.5	2.1	3.4	1.6	3.5	2.2
5/1/2019	3.2	2.3	5.4	5	5	1.7	4.2	3.4	2.4	4.1	2.1	3	2
6/1/2019	4	2.8	5.9	3.2	4.9	2	3.9	3.6	3	3.7	3.3	2.7	2.3
7/1/2019	3.8	3	4.4	2.3	5.3	1.7	3.9	3.4	3.1	3.7	3.9	3.9	2.1
8/1/2019	3.6	3.2	3.8	1.1	5	2.1	4.1	3.2	2.7	4.2	3.1	4.7	2.8
9/1/2019	3.2	3.4	4	1.7	4.8	1.9	3.4	3.2	2.2	3.2	1.8	4.4	2.6
10/1/2019	4	3.1	3.6	2.8	5.3	2	3.6	3.5	2.2	2.6	1.9	3.3	2.1
11/1/2019	4.4	2.7	7.7	3.2	4.9	2.1	3.4	3.6	2.3	3	1.8	1.6	2.1
12/1/2019	5	2.7	9.6	3.8	5	2.3	3.6	3.1	2.4	2.6	1.8	1.9	2.7
1/1/2020	5.4	3.4	12.5	1.9	5.9	2.5	4.7	4.1	2.4	3	2.1	2.3	3.6
2/1/2020	5.5	3.9	11	5	5.7	1.7	4.2	4.4	2.4	3.5	1.6	2.6	3.2
3/1/2020	6.9	4.1	8.3	6.2	8.1	2.2	5	4.7	3.1	5.1	2.2	1.8	3.4
4/1/2020	16.6	12.2	9.6	10.2	39.3	5.4	17.1	9.8	10.9	13.6	9.3	11	9.7
5/1/2020	12.7	11.6	6.5	8.4	35.9	5.7	15.1	9	10.1	14.2	7.4	10.9	9.4
6/1/2020	10.1	9.1	5.4	17.8	29.9	5.1	11.2	8.6	8.6	12.9	7.3	12	8.1
7/1/2020	8.9	8.6	5.7	15.6	25	4.7	9.7	7.6	8	13.8	8.4	12.3	7.8
8/1/2020	7.6	6.7	5.6	12.4	21.3	4.2	8.3	7.2	6.3	11.3	5.7	8.6	6.8
9/1/2020	7.1	6.2	5	14.9	19	4.4	7.8	6.7	5.1	9.8	4.1	8.6	6.7
10/1/2020	6.8	5.2	6.3	13.8	16.3	3.8	6.5	6.1	4.2	7.9	3.2	5.8	6.1
11/1/2020	7.3	4.7	8.4	19.2	15	3.5	6	5.9	3.7	8	3.4	8.2	5.9
12/1/2020	9.6	4.3	11	13.1	16.7	3.1	5.5	6.1	4.1	8.4	3.2	6.4	6.7
1/1/2021	9.4	4.7	9.4	14.2	15.9	3.4	6.9	6.8	4.3	8.2	3	7.4	6.2
2/1/2021	9.6	4.8	10.5	19.3	13.5	3.7	6.8	6.8	3.7	8.4	2.8	6.2	6.5
3/1/2021	8.6	5.2	7.3	15	13	3.4	6.7	6.7	3.8	8.3	2.7	6.6	4.4
4/1/2021	7.7	5.8	8.9	14.3	10.8	2.7	6.2	5.9	3.4	6.8	2.3	5.9	5.6
5/1/2021	6.7	4.8	8.4	9.6	10.1	3	6.6	5.4	3.4	7.2	2.2	5.8	5.3
6/1/2021	7.5	5.4	7.5	10.3	10.9	3.4	6.2	5.2	4.4	6	3.5	6.1	5.9
7/1/2021	6.1	4.2	7.6	8.9	9	3	6	5.1	4.4	6.8	4.1	5.6	4.9
8/1/2021	4.6	3.6	5.7	10.2	9.1	3.2	6.1	4.6	4.3	5.9	3.6	4.4	4.9
9/1/2021	4.5	3.9	5	7.3	7.7	2.5	5.7	4.4	3.3	5.4	2.4	4	4.1
10/1/2021	4	3.3	5.1	10	7.5	1.9	5.2	4.4	2.8	4.7	2.2	3.5	4.7
11/1/2021	4.7	3.1	5.4	8.6	7.5	2	4.2	3.8	2.3	5.5	1.9	4.1	3.7
12/1/2021	5	2.8	9.8	5.8	6.7	2.4	4.2	3.8	2.1	3.3	1.5	4.9	3.4
1/1/2022	7.1	3.6	8.5	8.4	8.2	1.9	4.8	4.5	2.9	4.5	2.2	4.2	4.1
2/1/2022	6.7	3.2	9.4	5	6.6	2.4	4.9	3.9	3	5.1	1.8	3.7	3.9
3/1/2022	6	3.1	7	2.6	5.9	2	4.6	4	2.5	5.1	1.5	2.3	3.2
4/1/2022	4.6	3.2	4.3	3.4	4.8	1.9	4.2	3	2.2	3.4	1.5	2.7	3.7
5/1/2022	3.8	2.8	3.1	4.1	5.1	1.9	4.2	3.1	2.5	4.1	1.7	2.9	2.6
6/1/2022	3.7	3	4.4	1.6	5.2	2.1	4.1	3.4	3.3	3.8	3.1	3.1	2.7
7/1/2022	3.5	3.2	4.7	0.8	4.8	1.6	4.1	3.3	3.2	3.7	3.8	2.4	2.3
Avg Pre-Pandemic	4.9	3.1	7.7	3.4	5.6	2.1	4.2	3.8	2.6	3.4	2.3	3.6	2.8
Avg Post-Pandemic	7.2	5.1	7.0	10.0	13.4	3.1	6.7	5.5	4.3	7.3	3.5	5.9	5.3



# INDUSTRIES WITH GREATER THAN AVERAGE POST-PANDEMIC UNEMPLOYMENT

Industry	PP	% Change
Leisure and Hospitality	7.8%	139.3%
Mining, Quarrying, Oil and Gas Extraction	6.6%	194.1%
Transportation and Utilities	3.9%	114.7%
Wholesale and Retail Trade	2.5%	59.5%
Self-Employed, Unincorporated, Unpaid Family Worker	2.5%	89.3%
Information Industry	2.3%	63.9%
Construction	2.3%	46.9%
Manufacturing	2.0%	64.5%
Professional and Business Services	1.7%	44.7%
Education and Health Services	1.7%	65.4%
Government	1.2%	52.2%
Financial Activities	1.0%	47.6%
Agriculture	-0.7%	-9.1%

## By PP:

1. Leisure & Hospitality
2. Mining, etc.
3. Transportation & Utilities
4. Wholesale & Retail Trade / Self-Employed, etc.
5. Information / Construction

## By % Change:

1. Mining, etc.
2. Leisure & Hospitality
3. Transportation & Utilities
4. Self-Employed, etc.
5. Education & Health Services

# LARGEST INDUSTRIES IN EACH COUNTY IMPACTED BY ABOVE AVERAGE POST-PANDEMIC UNEMPLOYMENT

## Boone Co.

1. Manufacturing
2. **Healthcare & Social Assistance**
3. **Retail Trade**

## Kenton Co.

1. **Healthcare & Social Assistance**
2. Manufacturing
3. **Retail Trade**

## Campbell Co.

1. **Healthcare & Social Assistance**
2. **Retail Trade**
3. Manufacturing

# **CONSIDERATIONS & CONSTRAINTS**

- 1. UNABLE TO LOCATE COUNTY SPECIFIC  
UNEMPLOYMENT DATA BY INDUSTRY**
- 2. DEFINING WHEN IS CONSIDERED POST  
PANDEMIC**
- 3. DIFFERING DEFINITIONS OF NORTHERN  
KENTUCKY**

# SOURCES

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