

Our air gets dirty and makes us sick when a lot of dust is made and sent into the air from our cars, power plants, and construction sites.

The table below shows the average amount of dust found in 1 square meter of air in Evansville for the last 10 years.

(Unit:  $\mu\text{g}/\text{m}^3$ )

Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Amount	12.26	11.00	10.71	11.20	10.00	8.91	8.71	9.30	8.70	8.70

- ❖ In which two years did Evansville have the least amount of dust?
- ❖ In which year did Evansville have the most amount of dust?
- ❖ How much did the amount of dust change between 2011 and 2020 in Evansville? Does Evansville have more dust or less dust in the air than ten years ago?
- ❖ In which period did the amount of dust in the air change more, between 2011 and 2012 or between 2015 and 2016?

## Answer Key

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- ❖ In which two years did Evansville have the least amount of dust?

2019 and 2020

- ❖ In which year did Evansville have the most amount of dust?

2011

- ❖ How much did the amount of dust change between 2011 and 2020 in Evansville? Does Evansville have more dust or less dust in the air than ten years ago?

$12.26 - 8.70 = 3.56 (\mu\text{g}/\text{m}^3)$  less dust in 2018

- ❖ In which period did the amount of dust in the air change more, between 2011 and 2012 or between 2015 and 2016?

[2011-12]  $12.26 - 11.00 = 1.26 (\mu\text{g}/\text{m}^3) >$

[2015-16]  $10.00 - 8.91 = 1.09 (\mu\text{g}/\text{m}^3)$