

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

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.

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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?

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

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

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

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