

a. $\bar{x}_U = \frac{1}{11} (6.0 + 5.0 + 11.0 + 33.0 + 4.0 + 5.0 + 80.0 + 15.0 + 32.0 + 17.0 + 23.0) \approx 21.55$

$\bar{x}_F = \frac{1}{15} (4 + 19.0 + 11 + 9 + 9 + 8 + 9 + 20 + 5 + 8.9 + 21 + 9.2 + 3.0 + 2.0 + 0.3)$
 ≈ 8.56

The ~~ex~~ sample of ~~U~~ mean of U is bigger than F

b. The sample median of urban sample is 17.0, the one of farm sample is 8.9. The sample median of urban sample is bigger than farm.

Because the farm area has less pollution and more plant.

c. $1 \div 11 \approx 9.1\%$ $1 \div 15 \approx 6.7\%$

9.1 and 6.7 percentges. The value is less than the corresponding means and medians.