How statistics can be misleading - WS

ensemble

Check the following words

légèrement susceptible Susciter global se cacher de sens dessus tendance accusé Se faire avoir dessous membre de se produire condamné Taille unique la famille sur l'un ou l'autre apparaître exact (proportion) trébucher moyenne condamner trompeur prendre (une réel programme le meilleur décision) Main point: a potential danger in some of statistics, something can the results because something is **Example 1**: the hospitals statistics for hospital A: statistics for hospital B: apparent conclusion: **Additional statistics**: patients in poor health hospital A: hospital B: conclusion: Additional statistics: patients in good health the better choice is: apparent paradox: What is **Simpson's paradox**: the same _____ can show opposite _____ depending on _____ because there is a _____ variable: here: the **Example 2**: smokers surprising statistics: smokers seem to have a ______ over a _____ period _____ on ____ => more _____ to die explanation: non-smokers are __ during the _____ period conclusion: here, the lurking variable is **Example 3**: death penalty cases in Florida apparent situation : no racial ______ in _____ between white and black defendants explanation: most murders occur between _____ of the victim penalties when _____ and there are more death penalties when ____ **Conclusion**: what can be done? There is no ____ data can be grouped _____ sometimes _____ numbers can give more _____ results categories can be _____ or arbitrary categories can be ______ or arbitrary
we need to carefully _____ the _____ situations and look for variables the risk: data can be used to ______ others and promote specific

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