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## Teaching **Statistical Literacy**

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> Midwest Sociological Society Chicago, IL 6 April 2007 www.StatLit.org/pdf/2007SchieldMSSQL6Up.pdf



## 6 April 2007 MS The New "Science": **Study of Social Risk Factors**

TV violence is

- a contributing factor to increases in violent crime and antisocial behavior. .
- a "<u>risk factor</u>" that <u>contributes</u> to increasing a person's aggressiveness.

just as every cigarette increases the chance that someday the smoker will get lung cancer, so every exposure to violence increases the chances that someday a child will behave more violently than they otherwise would.

## 6 April 2007 MSS Statistical Literacy **GST 200**

Calculate number of "statistical events":

- "Deaths" due to obesity or underweight "Deaths" due to being male, single or black
- "Deaths" attributed to not going to college

Study how a statistical association (black-white income gap) is influenced by taking into account a confounder (family structure).

Study how statistical significance is influenced by what is taken into account in obs. studies.



