

Common Logical Fallacies

There are about 100 types of them...

Common Logical Fallacies

- **argumentum ad hominem**
- **argumentum ad populum**
- **appeal to ignorance**
- **argument from omniscience**
- **argument from authority**
- **appeal to consequences**
- **circular reasoning**

Common Logical Fallacies

- **confusion of correlation and causation**
- **post hoc, ergo propter hoc**
- **suppressed evidence**
- **loaded questions**
- **misunderstanding the nature of statistics**
- **statistics of small numbers**
- **red herring**
- **straw man**

What type of logical fallacies
does this statement represent?

Many people get married,
that's why it is good to be married.

argumentum ad populum

What type of logical fallacies
does this statement represent?

Abortion should be legal
because women have the right to
an abortion.

circular reasoning

What type of logical fallacies
does this statement represent?

My parents smoked all their lives,
and they never got cancer.

statistics of small numbers

What type of logical fallacies
does this statement represent?

She got sick after she visited
China, so something in China
caused her sickness.

post hoc, ergo propter hoc

What type of logical fallacies
does this statement represent?

Children who watch violence on TV
tend to act violently when they
grow up.

confusion of correlation and causation