

The Liar Paradox

Here's an interesting paradox:

"This statement is false."

1. If it is true, then it is false, but
2. If it is false, then it is true.
3. So, which is it?

It is a paradox, but only if you believe that all statements have to be either true or false (the principle of bivalence or excluded middle). Maybe statements can be neither true nor false. That argument probably wouldn't stand up in a court of law.