
STORYTELLING WITH DATA

STORIES

PRACTICAL DEFINITION OF A STORY

To paraphrase U.S. judge Potter Stewart: “I may not be able to define what a story is, but I know one when I see one”.

We could say that a **story** consists of:

- context,
- series of events, and
- outcome, result, consequence, or resolution.

STORYTELLING GOALS

Cultural Stories

- entertain, inform, teach, explore, shock

Data (Scientific) Stories

- describe, diagnose, predict, prescribe, persuade

Any overlap?

Anything missing?

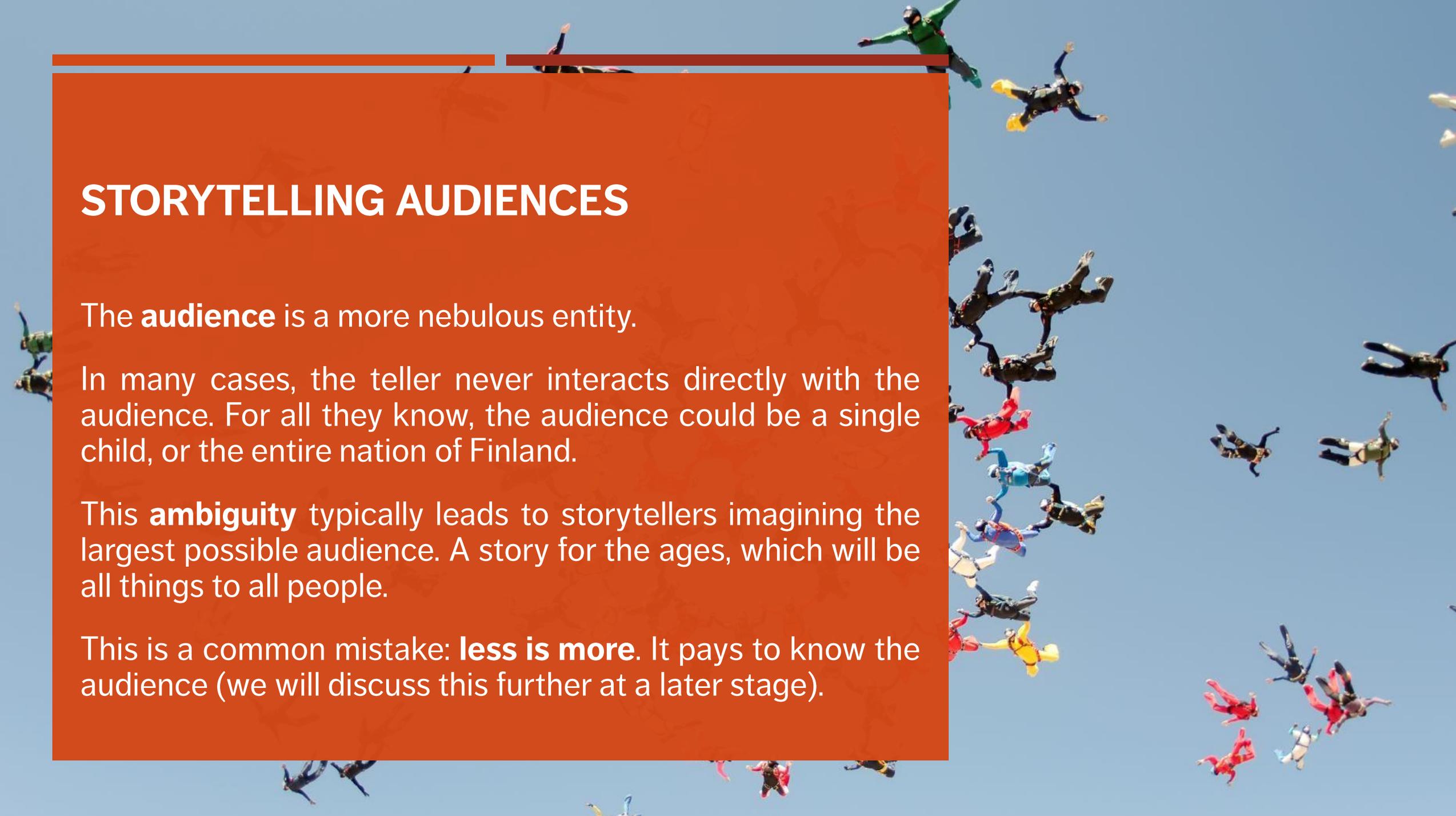
STORYTELLING AUDIENCES

Storytelling requires a **teller** and a **story**, but also an **audience**.

The **teller**'s job is to convince the audience to accept:

1. the premise (“I’m about to tell you a really interesting story, so listen up!”)
2. the contents (“All these things happened, honest!”)
3. the conclusion (“And that’s why you should never put peanut butter in your laundry.”)

The **story**'s must first and foremost not come in the way of the teller's job.



STORYTELLING AUDIENCES

The **audience** is a more nebulous entity.

In many cases, the teller never interacts directly with the audience. For all they know, the audience could be a single child, or the entire nation of Finland.

This **ambiguity** typically leads to storytellers imagining the largest possible audience. A story for the ages, which will be all things to all people.

This is a common mistake: **less is more**. It pays to know the audience (we will discuss this further at a later stage).

STORYTELLING CONTEXT

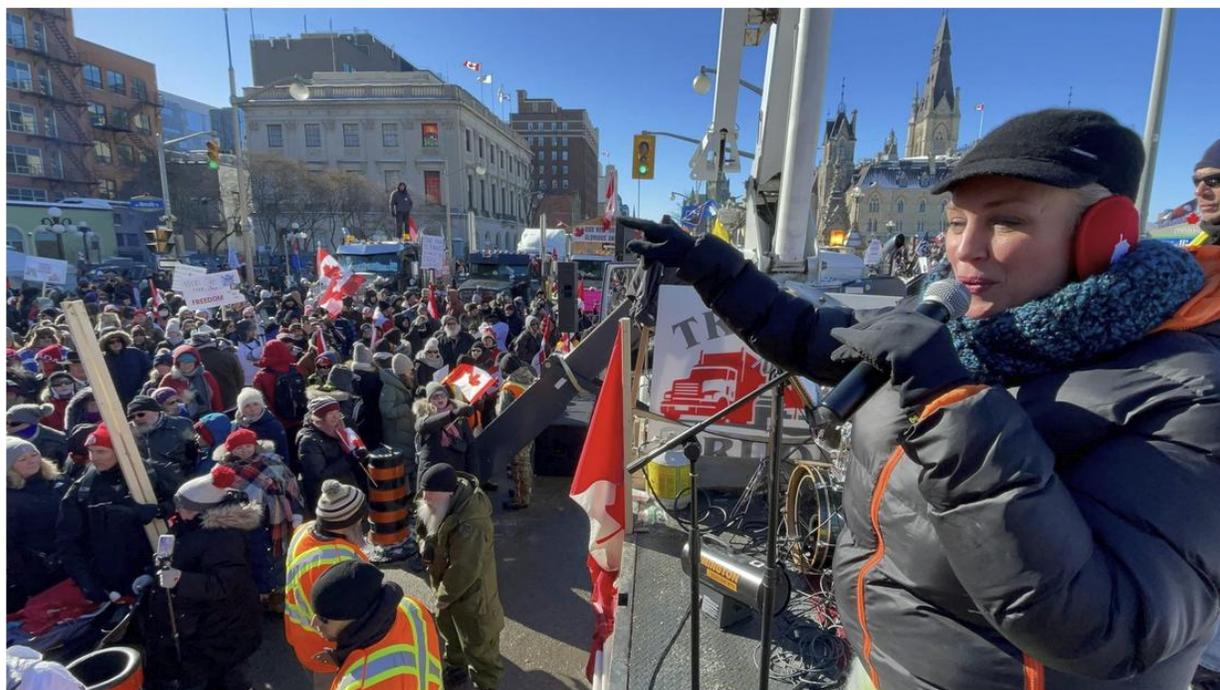
A given action may be seen as positive or as negative by audiences with different pre-existing feelings/knowledge concerning the agent/situation.

- Would you be able to recognize nobility in a political enemy's actions?
- Could a fan of the Maple Leafs/Habs ever have something worthy to say about hockey?

Similarly, a story may have different **outcomes/impacts** in different contexts.



Wakefield nurse fires up Freedom Convoy



Wakefield's Bethan Nodwell is known in the Gatineau Hills for many things: being the hospital's former head nurse, singing onstage at the Black Sheep Inn, and more recently, disseminating debatable facts and anti-vax sentiments on social media. Now she's running the main stage at the Freedom Convoy in downtown Ottawa, firing up the crowd as seen here Feb. 4. Trevor Greenway photo

Bethan Nodwell had thousands of demonstrators in Ottawa hanging onto her every word.

What might lead one to view the **subject** of this article in a positive light?

A negative light? A neutral light?

What might lead one to view the **author** of this article in a positive light?

A negative light? A neutral light?

STORYTELLING UNIVERSALITY

There once was a shepherd boy who was bored as he sat on the hillside watching the village sheep. To amuse himself he took a great breath and sang out, "Wolf! Wolf! The Wolf is chasing the sheep!"

The villagers came running up the hill to help the boy drive the wolf away. But when they arrived at the top of the hill, they found no wolf. The boy laughed at the sight of their angry faces. "Don't cry 'wolf', shepherd boy," said the villagers, "when there's no wolf!" They went grumbling back down the hill.

Later, the boy sang out again, "Wolf! Wolf! The wolf is chasing the sheep!" To his naughty delight, he watched the villagers run up the hill to help him drive the wolf away.

When the villagers saw no wolf they sternly said, "Save your frightened song for when there is really something wrong! Don't cry 'wolf' when there is NO wolf!"



STORYTELLING UNIVERSALITY

But the boy just grinned and watched them go grumbling down the hill once more.

Later, he saw a REAL wolf prowling about his flock. Alarmed, he leaped to his feet and sang out as loudly as he could, "Wolf! Wolf!" But the villagers thought he was trying to fool them again, and so they didn't come.

At sunset, everyone wondered why the shepherd boy hadn't returned to the village with their sheep. They went up the hill to find the boy. They found him weeping.

"There really was a wolf here! The flock has scattered! I cried out, "Wolf!" Why didn't you come?"

An old man tried to comfort the boy as they walked back to the village. "We'll help you look for the lost sheep in the morning," he said, putting his arm around the youth, "Nobody believes a liar ... **even when they are telling the truth/so don't get caught telling the same lie twice.**"



STORYTELLING WITH DATA

STORIES