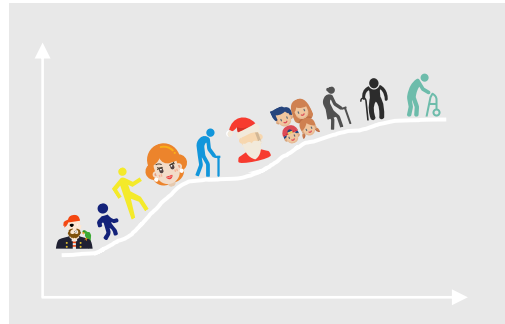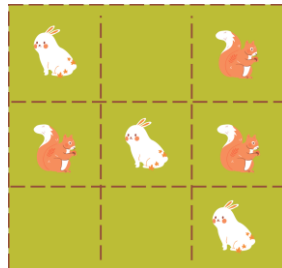# MYSTERIES
Advanced Statistics
Group 8

Welcome to the world of data! Did you know that data can help us understand the world around us? It's the key to unlocking insights and making informed decisions.

Ubiquitous Data

Little friends, why is it super important to know about data before diving into statistics? Right! It's because data is everywhere around us - a tiny bear, three lines, five colors, they're all data, haha.

Imagine statistics as a magical toolbox that helps us tell stories about things we see and do every day. It's like being a detective, where numbers are clues, and we use these clues to solve mysteries. Isn't that fun?

Magical toolbox

Think of statistics as playing with building blocks. Each block is a piece of information, and when we stack them together in different ways, we can build amazing structures. It's like creating art with numbers to show everyone how the world looks through our eyes. Super cool, right?

In this cute picture, we have a bunch of furry friends playing hide and seek. Using statistics, we can count and say, "Oh look, there are more bunnies than squirrels!" It's like a fun little game where numbers help us learn who's the most popular guest at the animal party. Isn't that just a delightful numbers game?

Data
Display
Statistics
Story
Analogy

Welcome To Presentation

Become a statistician.
Try recording the types and amounts of fruit you eat each day, and then use a simple chart to display your data!

The Three Little Pigs.
Three cute little pigs decide to run a little experiment: they're going to build houses out of different materials. The first piggy uses straw, whoosh, so light and breezy, let's count, it took just one day! The second piggy uses wood, knock knock knock, counting the blocks, that's two days of work. The last piggy goes for bricks, as tough as a math quiz, and he counts for three whole days to finish.

Wolf Coming
Then, the big bad wolf comes along, and what does our data show? Only the brick house stood strong against the wolf's huff and puff! That's the power of making decisions with data, totally amazing!

Don't Worry
Don't worry, this isn't a test, okay? It's a necessary step in advanced statistics, kind of like how we check if we've got the right amount of candies before we share them. Imagine everyone is supposed to get two candies - that's our hypothesis. After we share them out, that's like putting our idea into a model. Then, we open our eyes, and wow, there really are two candies! That's the test. Got it, little friends? That's what hypothesis testing is all about!

TRGET: KIDS UNDER 12
PURPOSE Introduction to Advanced Statistics