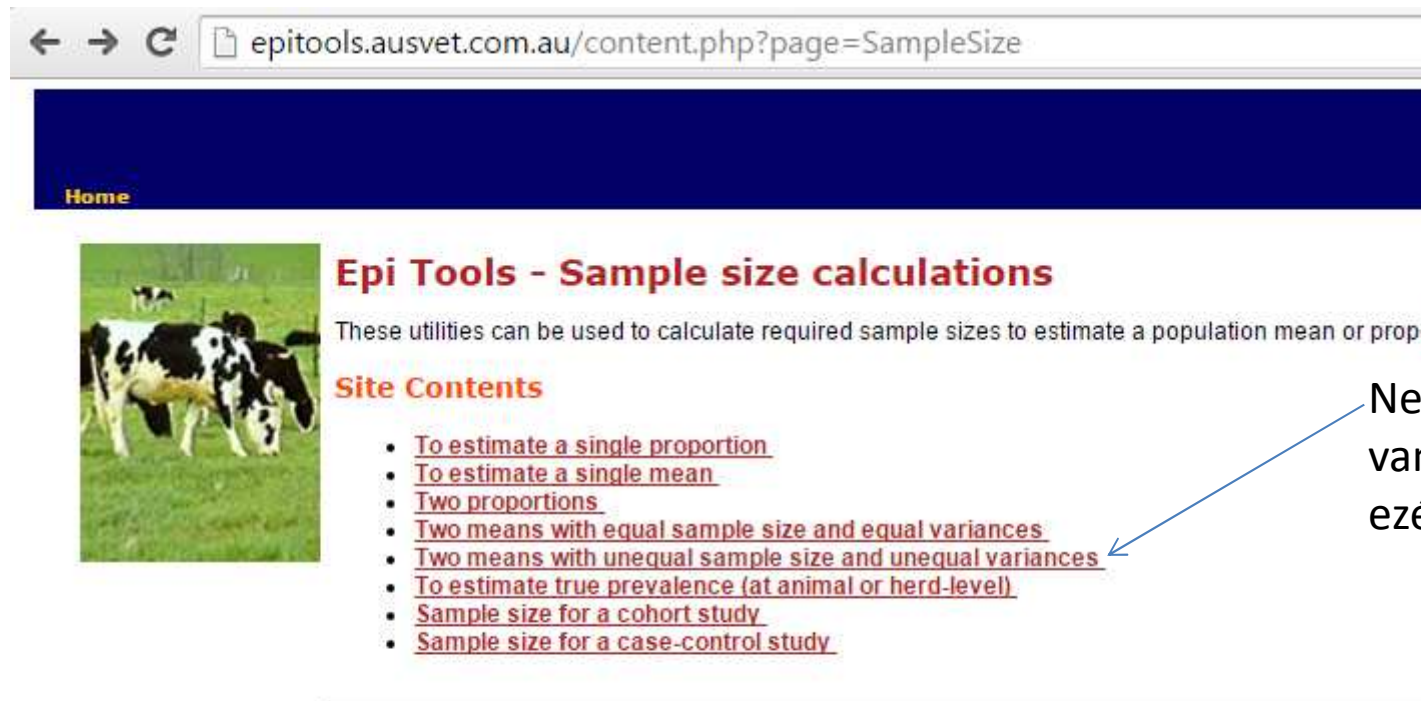


Ha nem működik a ppt-n lévő oldal, amit órán megnéztünk és a tutorial videóban is látható:

<http://epitools.ausvet.com.au/content.php?page=SampleSize>



The screenshot shows a web browser window with the address bar containing the URL <http://epitools.ausvet.com.au/content.php?page=SampleSize>. The page has a dark blue header with the word "Home" in yellow. Below the header is a green banner with a photo of a black and white cow. The main heading is "Epi Tools - Sample size calculations" in red. Below this is a paragraph: "These utilities can be used to calculate required sample sizes to estimate a population mean or propo". Underneath is a section titled "Site Contents" in orange, followed by a list of seven links in red text, each underlined: "To estimate a single proportion", "To estimate a single mean", "Two proportions", "Two means with equal sample size and equal variances", "Two means with unequal sample size and unequal variances", "To estimate true prevalence (at animal or herd-level)", "Sample size for a cohort study", and "Sample size for a case-control study".

Nekünk most két minták van eltérő szórással, ezért ezt választjuk.

[[Home](#) | [About this site](#) | [Glossary](#) | [References](#) | [Links](#)]

Sample size to detect a significant difference between 2 means with unequal sample sizes and variances

Input Values

Mean in population 1:

Variance in population 1:

Mean in population 2:

Variance in population 2:

Confidence level:

Power:

Ratio of sample sizes (n2/n1):

Use 1 or 2-tailed test: 1 tailed 2 tailed

Submit

This utility calculates the sample size required to detect a statistically significant difference between two sample means with specified levels of confidence and power, assuming u

Inputs are the assumed true values for the two means and their variances, the desired level of confidence and the desired power for the detection of a significant difference. By de one-tailed test can also be specified if preferred.

The program outputs the sample size required to detect the specified difference with desired power and confidence, for a one-tailed or two-tailed statistical test, as specified.

Első minta átlaga

Ez a weblap nem szórást, hanem varianciát kér, erre figyeljete!

Másik minta átlaga és varianciája

Alfa szint helyett a konfidencia szintet kell megadni, ami
 $CI = 1 - \text{alfa}$ itt: $1 - 5\% = 95\%$

A béta szint helyett a statisztikai erőt kell megadni, ami
 $Power = 1 - \text{béta}$ itt: $1 - 20\% = 80\%$

A két elemszám arányát is be lehet állítani, ha eltérőek. Nekünk most első minta: 10fő, második is 10fő, tehát az arány $10/10=1$

Itt állíthatod be, hogy 1- vagy 2tailed történjen a tesztelés

Sample size to detect a significant difference between 2 means with unequal sample sizes and variances

Input Values

Mean in population 1:

Variance in population 1:

Mean in population 2:

Variance in population 2:

Confidence level:

Power:

Ratio of sample sizes (n2/n1):

Use 1 or 2-tailed test: 1 tailed
 2 tailed

This utility calculates the sample size required to detect a statistically significant difference between two sample means with specified levels of confidence and power, assuming u
Inputs are the assumed true values for the two means and their variances, the desired level of confidence and the desired power for the detection of a significant difference. By de
one-tailed test can also be specified if preferred.

The program outputs the sample size required to detect the specified difference with desired power and confidence, for a one-tailed or two-tailed statistical test, as specified.

Submit

Sample size to detect a significant difference between two means

Analysed: Wed Sep 16, 2015 @ 23:01

Inputs

Mean 1	4.5
Variance 1	0.25
Mean 2	4.9
Variance 2	0.36
Confidence level	0.95
Power	0.8
Ratio of sample sizes (n2/n1)	1
Tails	1

És itt a két minta szükséges elemszáma

Results

	Sample size
Sample size 1 (n1):	24
Sample size 2 (n2):	24
Total sample size (both groups):	48