

Nonparametric tests – additional materials

Joanna Wachnicka

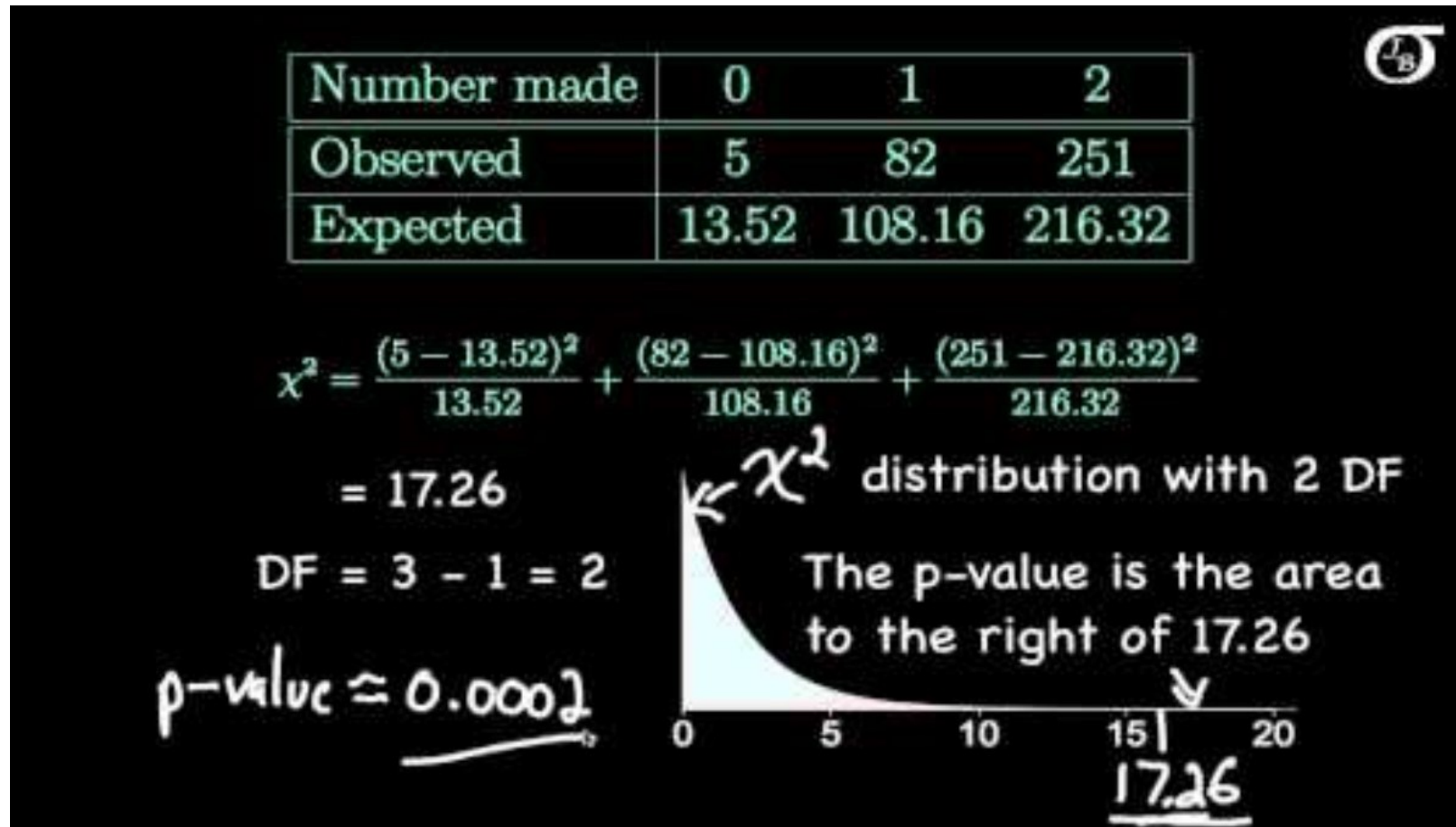


Co-funded by
the European Union

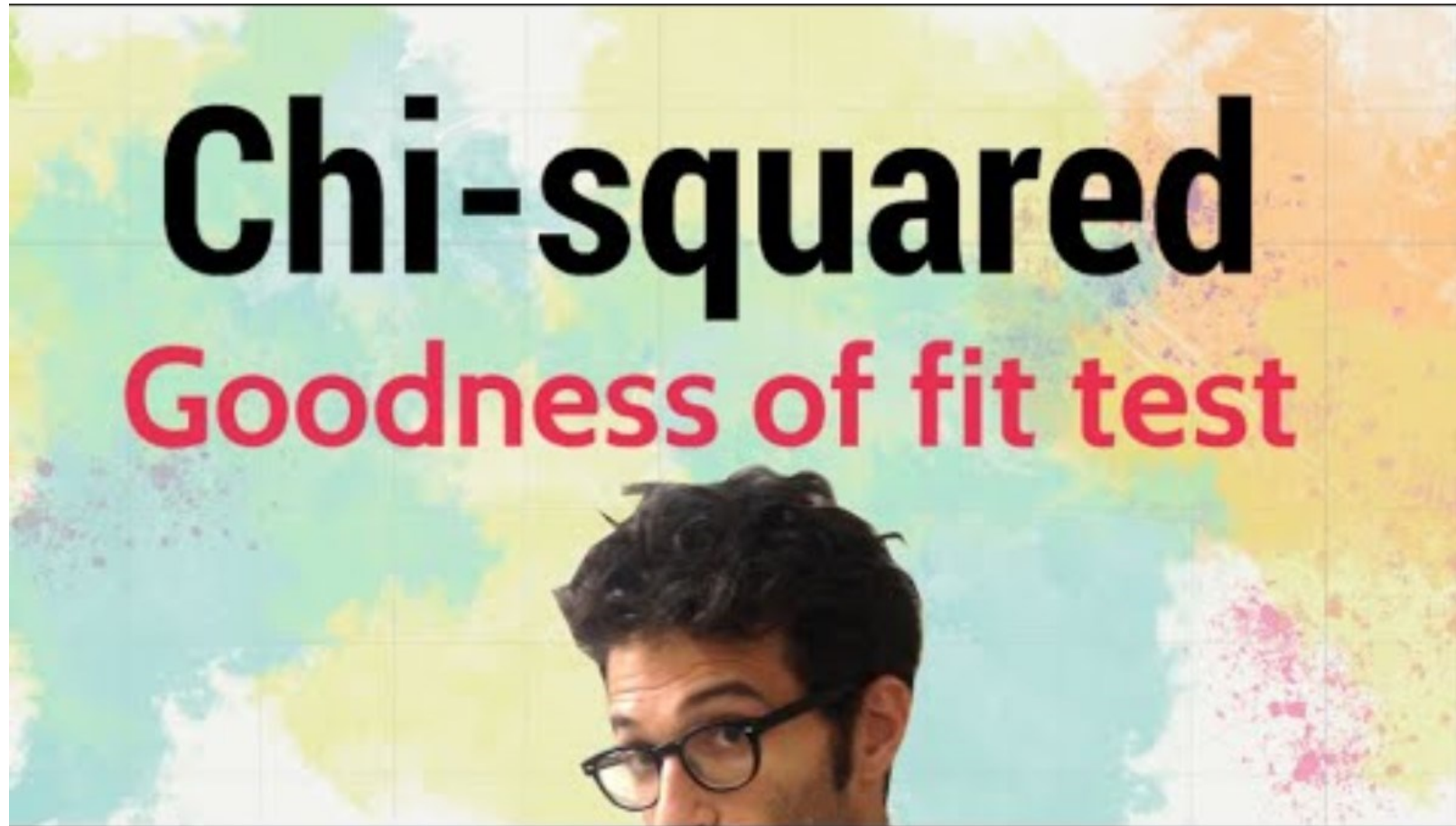


Co-funded by the European Union. Views and opinions expressed are however those of the author or authors only and do not necessarily reflect those of the European Union or the Foundation for the Development of the Education System. Neither the European Union nor the entity providing the grant can be held responsible for them.

Chi-square tests: Goodness of Fit for the Binomial Distribution



Chi-squared Goodness of Fit Test! Extensive video!



https://www.youtube.com/watch?v=ZNXso_riZag

Chi Squared Test

Chi-squared Test

$$\chi_c^2 = \sum \frac{(O_i - E_i)^2}{E_i}$$

Σ O_i E_i

<https://www.youtube.com/watch?v=WXPBoFDqNVk>

Chi2 test for normal distribution - solved example in MS Excel

+PROJEKT

**Test zgodności chi2:
- na rozkład normalny
- w MS Excel**

To nie musi boleć!

www.zadania-projekty.pl

<https://www.youtube.com/watch?v=-IzkaPifrU8&t=23s>

English subtitles available

Kolmogorov's lambda test of the agreement of the empirical distribution with the normal distribution

+PROJEKT

Test lambda Kołmogorowa: - zgodność rozkładu empirycznego z rozkładem normalnym

To nie musi boleć!

www.zadania-projekty.pl

<https://www.youtube.com/watch?v=qdw4mN-1ZA>

English subtitles available

Kolmogorov Smirnov's compatibility test - comparison of two samples regarding the compatibility of distributions

+PROJEKT

**Test zgodności
Kolmogorowa Smirnowa
- zgodność rozkładów
2 prób**

To nie musi boleć!

www.zadania-projekty.pl

<https://www.youtube.com/watch?v=VvZwMSvHLA>

English subtitles available

Sign test to examine the similarity of the correspondence of the distributions of 2 samples - instead of the test for means

+PROJEKT

Test znaków:

- na zgodności rozkładów 2 prób

- zamiast testu dla średnich

To nie musi boleć!

www.zadania-projekty.pl

<https://www.youtube.com/watch?v=jglbec5TZF8&t=1s>

English subtitles available

Verification - residual component testing - randomness of residuals by series test



Weryfikacja modelu:

- losowość reszt

- test serii

To nie musi boleć!



<https://www.youtube.com/watch?v=Dnv82Hh67lc&t=173s>

English subtitles available

Test of series for the compatibility of 2-sample distributions - a solved example in MS Excel



Test serii:

- na zgodność rozkładów 2 prób

- w MS Excel

To nie musi boleć!

www.zadania-projekty.pl

<https://www.youtube.com/watch?v=KiiAKNpCtKA>

English subtitles available