## Проверка гипотезы о нормальном распределении по Пирсону

Проверить, согласуется ли при уровне значимост<br/>и $\alpha$ гипотеза о нормальном распределении совокупност<br/>иXс эмпирическим распределением.  $^1$ 

Задача L-50.1. Ахметов Данис $x_i = [8, 13, 18, 23, 28, 33, 38, 43]$  $n_i = [8, 13, 16, 17, 16, 12, 7, 8]$  $\alpha = 0.990.$ 

Задача L-50.3. Васильченко Данил $x_i = [5, 7, 9, 11, 13, 15, 17, 19]$  $n_i = [8, 14, 16, 16, 15, 12, 7, 11]$  $\alpha = 0.025.$ 

Задача L-50.5. Жуков Андрей $x_i = [5, 7, 9, 11, 13, 15, 17, 19]$  $n_i = [9, 13, 16, 16, 15, 13, 7, 9]$  $\alpha = 0.010.$ 

Задача L-50.7. Компанеец Кирилл $x_i = [6, 9, 12, 15, 18, 21, 24, 27, 30]$  $n_i = [9, 14, 18, 20, 21, 19, 15, 8, 2]$  $\alpha = 0.010.$ 

Задача L-50.9. Петриченко Елизавета  $x_i = [7, 11, 15, 19, 23, 27, 31, 35, 39]$  $n_i = [10, 15, 20, 20, 21, 20, 14, 8, 6]$  $\alpha = 0.050.$ 

Задача L-50.11. Скулова Полина  $x_i = [6, 9, 12, 15, 18, 21, 24, 27, 30]$  $n_i = [8, 16, 18, 21, 22, 19, 14, 8, 8]$  $\alpha = 0.975.$  Задача L-50.2. Васильков Илья $x_i = [6, 9, 12, 15, 18, 21, 24, 27]$  $n_i = [8, 13, 15, 17, 16, 13, 7, 8]$  $\alpha = 0.950.$ 

Задача L-50.4. Егоров Сергей $x_i = [5, 7, 9, 11, 13, 15, 17, 19, 21]$  $n_i = [8, 15, 19, 20, 19, 18, 14, 8, 4]$  $\alpha = 0.025.$ 

Задача L-50.6. Иванова Даръя  $x_i = [8, 13, 18, 23, 28, 33, 38, 43, 48]$  $n_i = [9, 16, 18, 21, 20, 19, 14, 8, 8]$  $\alpha = 0.950.$ 

Задача L-50.8. Овчаренко Ульяна  $x_i = [9, 15, 21, 27, 33, 39, 45, 51, 57]$  $n_i = [8, 14, 19, 21, 20, 19, 14, 8, 8]$  $\alpha = 0.950.$ 

Задача L-50.10. Разананирина Ранди  $x_i = [6, 9, 12, 15, 18, 21, 24, 27]$  $n_i = [9, 12, 16, 17, 16, 14, 7, 3]$  $\alpha = 0.990.$ 

Задача L-50.12. Широков Александр  $x_i = [7, 11, 15, 19, 23, 27, 31, 35]$  $n_i = [8, 14, 16, 18, 16, 13, 7, 10]$  $\alpha = 0.050.$ 

<sup>1</sup>Гмурман В.Е. Руководство к решению задач по теории вероятностей и математической статистике. М.:1969. с. 253.

Задача L-50.13.	Равжир Хосбаяр
$x_i = [9, 15, 21, 27, 33, 39, 45, 51]$	
$n_i = [8, 13, 16, 16, 17, 12, 7, 8]$	
$\alpha = 0.025.$	