# Critical Values for Pearson’s *r*

| **Pearson’s *r* 1-tailed α** | | | | |
| --- | --- | --- | --- | --- |
| **df** | **0.05** | **0.025** | **0.01** | **0.005** |
| **1** | 0.988 | 0.997 | 1.000 | 1.000 |
| **2** | 0.900 | 0.950 | 0.980 | 0.990 |
| **3** | 0.805 | 0.878 | 0.934 | 0.959 |
| **4** | 0.729 | 0.811 | 0.882 | 0.917 |
| **5** | 0.669 | 0.754 | 0.833 | 0.874 |
| **6** | 0.622 | 0.707 | 0.789 | 0.834 |
| **7** | 0.582 | 0.666 | 0.750 | 0.798 |
| **8** | 0.549 | 0.632 | 0.716 | 0.765 |
| **9** | 0.521 | 0.602 | 0.685 | 0.735 |
| **10** | 0.497 | 0.576 | 0.658 | 0.708 |
| **11** | 0.476 | 0.553 | 0.634 | 0.684 |
| **12** | 0.458 | 0.532 | 0.612 | 0.661 |
| **13** | 0.441 | 0.514 | 0.592 | 0.641 |
| **14** | 0.426 | 0.497 | 0.574 | 0.623 |
| **15** | 0.412 | 0.482 | 0.558 | 0.606 |
| **16** | 0.400 | 0.468 | 0.542 | 0.590 |
| **17** | 0.389 | 0.456 | 0.528 | 0.575 |
| **18** | 0.378 | 0.444 | 0.516 | 0.561 |
| **19** | 0.369 | 0.433 | 0.503 | 0.549 |
| **20** | 0.360 | 0.423 | 0.492 | 0.537 |
| **21** | 0.352 | 0.413 | 0.482 | 0.526 |
| **22** | 0.344 | 0.404 | 0.472 | 0.515 |
| **23** | 0.337 | 0.396 | 0.462 | 0.505 |
| **24** | 0.330 | 0.388 | 0.453 | 0.496 |
| **25** | 0.323 | 0.381 | 0.445 | 0.487 |
| **26** | 0.317 | 0.374 | 0.437 | 0.479 |
| **27** | 0.311 | 0.367 | 0.430 | 0.471 |
| **28** | 0.306 | 0.361 | 0.423 | 0.463 |
| **29** | 0.301 | 0.355 | 0.416 | 0.456 |
| **30** | 0.296 | 0.349 | 0.409 | 0.449 |
| **40** | 0.257 | 0.304 | 0.358 | 0.393 |
| **50** | 0.231 | 0.273 | 0.322 | 0.354 |
| **60** | 0.211 | 0.250 | 0.295 | 0.325 |
| **70** | 0.195 | 0.232 | 0.274 | 0.302 |
| **80** | 0.183 | 0.217 | 0.256 | 0.283 |
| **90** | 0.173 | 0.205 | 0.242 | 0.267 |
| **100** | 0.164 | 0.195 | 0.230 | 0.254 |

| **Pearson’s *r* 2-tailed α** | | | | |
| --- | --- | --- | --- | --- |
| **df** | **0.10** | **0.05** | **0.02** | **0.01** |
| **1** | 0.988 | 0.997 | 1.000 | 1.000 |
| **2** | 0.900 | 0.950 | 0.980 | 0.990 |
| **3** | 0.805 | 0.878 | 0.934 | 0.959 |
| **4** | 0.729 | 0.811 | 0.882 | 0.917 |
| **5** | 0.669 | 0.754 | 0.833 | 0.874 |
| **6** | 0.622 | 0.707 | 0.789 | 0.834 |
| **7** | 0.582 | 0.666 | 0.750 | 0.798 |
| **8** | 0.549 | 0.632 | 0.716 | 0.765 |
| **9** | 0.521 | 0.602 | 0.685 | 0.735 |
| **10** | 0.497 | 0.576 | 0.658 | 0.708 |
| **11** | 0.476 | 0.553 | 0.634 | 0.684 |
| **12** | 0.458 | 0.532 | 0.612 | 0.661 |
| **13** | 0.441 | 0.514 | 0.592 | 0.641 |
| **14** | 0.426 | 0.497 | 0.574 | 0.623 |
| **15** | 0.412 | 0.482 | 0.558 | 0.606 |
| **16** | 0.400 | 0.468 | 0.542 | 0.590 |
| **17** | 0.389 | 0.456 | 0.528 | 0.575 |
| **18** | 0.378 | 0.444 | 0.516 | 0.561 |
| **19** | 0.369 | 0.433 | 0.503 | 0.549 |
| **20** | 0.360 | 0.423 | 0.492 | 0.537 |
| **21** | 0.352 | 0.413 | 0.482 | 0.526 |
| **22** | 0.344 | 0.404 | 0.472 | 0.515 |
| **23** | 0.337 | 0.396 | 0.462 | 0.505 |
| **24** | 0.330 | 0.388 | 0.453 | 0.496 |
| **25** | 0.323 | 0.381 | 0.445 | 0.487 |
| **26** | 0.317 | 0.374 | 0.437 | 0.479 |
| **27** | 0.311 | 0.367 | 0.430 | 0.471 |
| **28** | 0.306 | 0.361 | 0.423 | 0.463 |
| **29** | 0.301 | 0.355 | 0.416 | 0.456 |
| **30** | 0.296 | 0.349 | 0.409 | 0.449 |
| **40** | 0.257 | 0.304 | 0.358 | 0.393 |
| **50** | 0.231 | 0.273 | 0.322 | 0.354 |
| **60** | 0.211 | 0.250 | 0.295 | 0.325 |
| **70** | 0.195 | 0.232 | 0.274 | 0.302 |
| **80** | 0.183 | 0.217 | 0.256 | 0.283 |
| **90** | 0.173 | 0.205 | 0.242 | 0.267 |
| **100** | 0.164 | 0.195 | 0.230 | 0.254 |