

Hypothesis Test for the PMCC

One or Two Tailed

For each of the following hypothesis tests, state whether it will be a one or a two tailed test

1. $H_0: \rho = 0$
 $H_1: \rho \neq 0$

☐ One Tailed
☐ Two Tailed
2. $H_0: \rho = 0$
 $H_1: \rho < 0$

☐ One Tailed
☐ Two Tailed
3. $H_0: \rho = 0$
 $H_1: \rho > 0$

☐ One Tailed
☐ Two Tailed
4. A test looking for a positive correlation between X and Y

☐ One Tailed ☐ Two Tailed
5. A test looking for no correlation between X and Y

☐ One Tailed ☐ Two Tailed
6. A test looking for a correlation between X and Y

☐ One Tailed ☐ Two Tailed
7. A test looking for a negative correlation between X and Y

☐ One Tailed ☐ Two Tailed
8. A test testing a PMCC value of -0.928

☐ One Tailed ☐ Two Tailed
9. A test testing a PMCC value of +0.753

☐ One Tailed ☐ Two Tailed
10. A test testing a PMCC value of 0

☐ One Tailed ☐ Two Tailed