Hypothesis Test for the PMCC
Accept or Reject H_0 - Solutions

For each of the hypothesis tests below you have been given the Test Statistic and the Critical Value. Conclude if we should accept or reject each test

1. H_0: $\rho = 0$
    H_1: $\rho \neq 0$
    TS: +0.5288
    CV: ±0.5822

    ☒ Accept H_0
    ☐ Reject H_0

2. H_0: $\rho = 0$
    H_1: $\rho > 0$
    TS: +0.6142
    CV: +0.6021

    ☐ Accept H_0
    ☒ Reject H_0

3. H_0: $\rho = 0$
    H_1: $\rho \neq 0$
    TS: -0.4701
    CV: ±0.3802

    ☐ Accept H_0
    ☒ Reject H_0

4. H_0: $\rho = 0$
    H_1: $\rho < 0$
    TS: -0.5620
    CV: -0.5494

    ☐ Accept H_0
    ☒ Reject H_0

5. H_0: $\rho = 0$
    H_1: $\rho > 0$
    TS: +0.6433
    CV: +0.6581

    ☒ Accept H_0
    ☐ Reject H_0

6. H_0: $\rho = 0$
    H_1: $\rho > 0$
    TS: +0.7028
    CV: +0.6694

    ☐ Accept H_0
    ☒ Reject H_0

7. H_0: $\rho = 0$
    H_1: $\rho < 0$
    TS: -0.6565
    CV: -0.6339

    ☐ Accept H_0
    ☒ Reject H_0

8. H_0: $\rho = 0$
    H_1: $\rho \neq 0$
    TS: +0.8026
    CV: ±0.7293

    ☐ Accept H_0
    ☒ Reject H_0