 MS-S4 Bivariate Data Analysis

Match the correlation coefficient to the scatterplot

Purpose

This task will enable you to match a correlation coefficient to a scatterplot

Task

1. Examine each scatterplot on pages 3 and 4.
2. Select its correct correlation coefficient from the list and record it in the table below.

Pearson’s Correlation Coefficients (displayed to 2 decimal places):

| -1.00 | 0.64 | 0.91 | -0.20 | -0.93 | 0.28 | 1.00 | -0.63 |
| --- | --- | --- | --- | --- | --- | --- | --- |

Answer:

| Scatterplot | Pearson’s correlation coefficient |
| --- | --- |
| A |       |
| B |       |
| C |       |
| D |       |
| E |       |
| F |       |
| G |       |
| H |       |

Scatterplots:









Solution

| Scatterplot | Pearson’s correlation coefficient |
| --- | --- |
| A | 0.91 |
| B | -0.63 |
| C | 0.28 |
| D | 1.00 |
| E | -0.20 |
| F | 0.64 |
| G | -0.93 |
| H | -1.00 |