

# GAGE REPEATABILITY AND REPRODUCIBILITY REPORT ATTRIBUTE RISK METHOD

Numero de equipo: GA-077 (C42327497)

Descripción equipo: GAGE POR ATRIBUTOS

Área de la empresa: ENSAMBLE CAB BMW

Pasa: 13.880000

Fecha estudio: May-23
Frecuencia: 12 MESES

Próximo estudio: May-24

No Pasa: 14.110

| DATA TABLE |     |     |     |     |     |     |     |     |     |           |                    |      |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|------|
| PART       | A-1 | A-2 | A-3 | B-1 | B-2 | B-3 | C-1 | C-2 | C-3 | Reference | Reference<br>Value | Code |
| 1          | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.966             | +    |
| 2          | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0         | 14.134             | -    |
| 3          | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.960             | +    |
| 4          | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.965             | +    |
| 5          | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.966             | +    |
| 6          | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.054             | +    |
| 7          | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0         | 14.110             | -    |
| 8          | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.941             | +    |
| 9          | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.990             | +    |
| 10         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.938             | +    |
| 11         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.001             | +    |
| 12         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.057             | +    |
| 13         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.079             | +    |
| 14         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.961             | +    |
| 15         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.009             | +    |
| 16         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.091             | +    |
| 17         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.075             | +    |
| 18         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.978             | +    |
| 19         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.015             | +    |
| 20         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.960             | +    |
| 21         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.060             | +    |
| 22         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.066             | +    |
| 23         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.972             | +    |
| 24         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.966             | +    |
| 25         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.029             | +    |
| 26         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.013             | +    |
| 27         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.963             | +    |
| 28         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.050             | +    |
| 29         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.099             | +    |
| 30         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.997             | +    |
| 31         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.067             | +    |
| 32         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.006             | +    |
| 33         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.052             | +    |
| 34         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.972             | +    |
| 35         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.078             | +    |
| 36         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.942             | +    |
| 37         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.090             | +    |
| 38         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.991             | +    |
| 39         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.996             | +    |
| 40         | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.945             | +    |

|      |     |     |     |     |     |     |     |     |     |           | Reference |      |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----------|------|
| PART | A-1 | A-2 | A-3 | B-1 | B-2 | B-3 | C-1 | C-2 | C-3 | Reference | Value     | Code |
| 41   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.104    | +    |
| 42   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.079    | +    |
| 43   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.105    | +    |
| 44   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0         | 14.114    | -    |
| 45   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.948    | +    |
| 46   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.085    | +    |
| 47   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.104    | +    |
| 48   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.943    | +    |
| 49   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 14.086    | +    |
| 50   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1         | 13.948    | +    |

## Risk Analysis

#### A \* B Crosstabulation

|       |      |                | F   | 3     | Total |
|-------|------|----------------|-----|-------|-------|
|       |      |                | 0   | 1     | IOlai |
|       | 0    | Count          | 9   | 0     | 9     |
| ١,    |      | Expected Count | 0.5 | 8.5   | 9.0   |
| A     | 1    | Count          | 0   | 141   | 141   |
|       |      | Expected Count | 8.5 | 132.5 | 141.0 |
| Total |      | Count          | 9   | 141   | 150   |
| '     | Jiai | Expected Count | 9.0 | 141.0 | 150.0 |

#### **B** \* C Crosstabulation

|       |      |                |     | C     | Total |
|-------|------|----------------|-----|-------|-------|
|       |      |                | 0   | 1     | lotai |
|       | 0    | Count          | 9   | 0     | 9     |
| В     |      | Expected Count | 0.5 | 8.5   | 9.0   |
|       | 1    | Count          | 0   | 140   | 140   |
|       |      | Expected Count | 8.5 | 131.5 | 140.0 |
| Total |      | Count          | 9   | 140   | 149   |
|       | ılaı | Expected Count | 9.0 | 140.0 | 149.0 |

### A \* C Crosstabulation

|       |      |                | (   | C     | Total |
|-------|------|----------------|-----|-------|-------|
|       |      |                | 0   | 1     | Total |
|       | 0    | Count          | 9   | 0     | 9     |
| ١,    |      | Expected Count | 0.5 | 8.5   | 9.0   |
| A     | 1    | Count          | 0   | 141   | 141   |
|       |      | Expected Count | 8.5 | 132.5 | 141.0 |
| Total |      | Count          | 9   | 141   | 150   |
|       | ılaı | Expected Count | 9.0 | 141.0 | 150.0 |

| Карра | Α    | В    | С    |
|-------|------|------|------|
| Α     | 1    | 1.00 | 1.00 |
| В     | 1.00 | ı    | 1.00 |
| С     | 1.00 | 1.00 | -    |

| DETERMINATION |                |  |  |  |  |
|---------------|----------------|--|--|--|--|
| AxB           | Good Agreement |  |  |  |  |
| AxC           | Good Agreement |  |  |  |  |
| ВхС           | Good Agreement |  |  |  |  |

| ACEPTADO         | May-23 |
|------------------|--------|
| Approved for Use | Date   |

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