Correction to: Data Mining and Performance Prediction of Flexible Road Pavement Using Fuzzy Logic Theory: A Case of Nigeria

Adekunle Taiwo Olowosulu, Jibrin Mohammed Kaura,
Abdulfatai Adinoyi Murana, and Paul Terkumbur Adeke

Correction to:

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The original version of the book was inadvertently published with an error in Table 5 of Chapter 11, which has now been corrected as follows:

Table 5. Development of fuzzy sets for attributes

S/N	Parameters	Classifications	Limits	Ranges of FMF
1.	Initial pavement condition (IPC)	Very poor	<25	[0 15 25]
		Poor	25–45	[20 35 50]
		Fair	46–65	[40 50 65]
		Good	66–81	[60 70 87]
		Excellent	>81	[80 90 100]
2.	Age of pavement (years)	New	<2	[0 1 3]
		Recent	2–5	[2 5 7]
		Old	6–12	[6 9 13]
		Very old	>12	[12 16 20]
3.	Truck load (veh/day)	Low	<200	[0 125 280]
		Medium	200–1000	[195 600 1000]
		High	1001–2000	[850 1400 2000]
		Very high	>2000	[1700 2000 2500]

(continued)

The updated version of this chapter can be found at
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Table 5. *(continued)*

S/N	Parameters	Classifications	Limits	Ranges of FMF
4.	M_R of subgrade soil (kg/m^2)	Low	$<0.7 \times 10^7$	$[0 \ 0.4 \ 0.75] \times 10^7$
		Medium	$[0.7\text{--}1.3] \times 10^7$	$[0.6 \ 1.0 \ 1.425] \times 10^7$
		High	$[1.3\text{--}2.1] \times 10^7$	$[1.2 \ 1.8 \ 2.4] \times 10^7$
		Very high	$>2.1 \times 10^7$	$[2.0 \ 2.48 \ 3.0] \times 10^7$
5.	Temperature ($^{\circ}\text{C}$)	Low	<20	$[0 \ 10 \ 20]$
		Medium	$20\text{--}35$	$[15 \ 25 \ 35]$
		High	$36\text{--}45$	$[30 \ 35 \ 42]$
		Very high	>45	$[40 \ 45 \ 50]$
6.	Rainfall (mm)	Low	<600	$[0 \ 250 \ 650]$
		Medium	$600\text{--}1200$	$[500 \ 820 \ 1200]$
		High	$1201\text{--}1800$	$[1100 \ 1500 \ 1900]$
		Very high	>1800	$[1700 \ 2000 \ 2500]$
7.	Future pavement condition (FPC)	Very poor	<25	$[0 \ 15 \ 25]$
		Poor	$25\text{--}45$	$[20 \ 35 \ 50]$
		Fair	$46\text{--}65$	$[40 \ 50 \ 65]$
		Good	$66\text{--}81$	$[60 \ 70 \ 87]$
		Excellent	>81	$[80 \ 90 \ 100]$