FEATURE VECTOR DISTRIBUTION TABLE

Property	Unit	Range	Categories (In article)	Actual Categories	Lithium - Li Values in array (Original values)
Group Number	_	1,2,18	18	19	1 (1)
Period Number	_	1,2,9	9	7	2 (2)
Electronegativity	_	0.5 - 4.0	10	10	0.85 - 1.2 (0.98)
Covalent Radius	pm	25 - 250	10	10	122.5 - 147.5 (123)
Valence electron	_	1,2,12	12	12	1 (1)
First Ionisation energy	eV	1.3 - 3.3	10	10	1.5 - 1.7 (1.68)
Electron Affinity	eV	-3 - 3.7	10	10	0.35 - 1.02 (0.6)
Block	_	s, p, d, f	4	4	s (s)
Atomic Volume	cm3/mol	1.5 - 4.3	10	10	2.34 - 2.62 (2.57)

Ionisation Energy and Atomic vol are in Log scale

Feature Vector Array of Lithium:

Group Number
Period Number
Electronegativity
Covalent Radius
Atomic Volume

Valence Electron
First Ionisation Energy
Electron Affinity
Block