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Author Correction: Intelligent Diagnostic Prediction and Classification System for Chronic Kidney Disease

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In Algorithm I, some steps are missing after line 16. The correct Algorithm I appears below.

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Algorithm I. Density based feature selection with Ant Colony Optimization (D-ACO) for Data Classification.**Input:** $X = \{x_1, x_2, x_3, \dots, x_n\}$ where n =Total number of instances**Input:** $F = \{f_1, f_2, f_3, \dots, f_m\}$ where m =Total number of features**Input:** $L = \{l_1, l_2, l_3, \dots, l_k\}$ where k =Total number of class**Intermediate output:** δ_{ranked} features**Final output:** Classification accuracy

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1: Begin Algorithm
2: For  $f = 1$  to  $n$  do
3:     Calculate Probability Density Function (PDF) of feature  $f$  in each class  $L_i (1 \leq i \leq k)$ 
4:     For  $L = 1$  to  $k$  do
5:         Add each feature which are all selected
6:     End For
7: End For
8: Initialize Selected Feature in Dataset  $D_T$ 
9: Store the discovered rules in  $\text{rule\_list} \leftarrow [ ]$ 
10: While ( $D_T > \text{Max\_UC}$ )
11:      $t \leftarrow 1$ 
12:      $j \leftarrow 1$ 
13:      $\tau \leftarrow \text{Initialize\_Pheromone} ()$ 
14:     Initialize  $\text{rule}_{\text{best}} \leftarrow \emptyset$ 
15:     Repeat through step 24 Until ( $t \geq \text{No\_of\_ants}$ ) or ( $j \geq \text{No\_rules\_converge}$ )
16:          $\text{rule}_t \leftarrow \text{ConstructRule} ()$ 
17:          $\text{rule}_t \leftarrow \text{Prune\_Rule} (\text{rule}_t)$ 
18:          $\tau \leftarrow \text{Update\_Pheromone} ()$ 
19:         If ( $f(\text{rule}_t) == f(\text{rule}_{t-1})$ )
20:              $j = j+1$ ;
21:         Else
22:              $j = j-1$ ;
23:         End If
24:          $t \leftarrow t+1$ 
25:      $\text{rule\_list} \leftarrow [\text{rule\_list}, \text{rule}_{\text{best}}]$ 
26:      $D_T \leftarrow D_T - \{\text{Set of cases properly covered by } \text{rule}_{\text{best}}\}$ 
27: End While
28: Calculate Performance (i.e. Accuracy)
29: End Algorithm

```



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