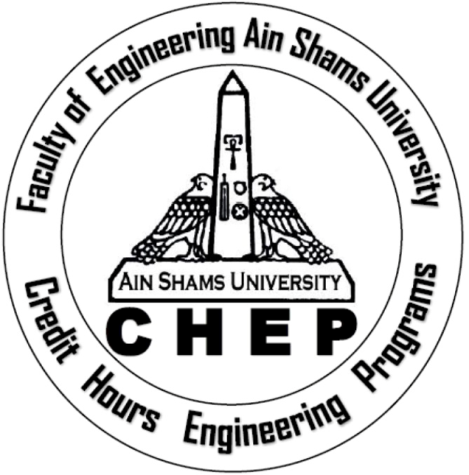
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| Faculty of engineering ain shams university |
| CSE496-Graduation project |
| Abd El Hady Kamal Mahmoud Ashour |
|  |
| **ID : 13p3153** |
| **Data analysis** |

**CESS-Senior2**

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## 1st range: Rec\_100, Rec\_101, Rec\_102

**Best K = 3**

**Accuracy of Yule model order 4 = 95.7718780728%**

**Accuracy of Yule model order 8 = 96.7551622419%**

**Accuracy of Yule model order 16 = 95.9685349066%**

**Accuracy of Burg model order 4 = 96.3618485742%**

**Accuracy of Burg model order 8 = 95.3785644051%**

## 2nd rangeRec\_103, Rec104, Rec\_105

**Best K = 5**

**Accuracy of Yule model order 4 = 89.6279594138%**

**Accuracy of Yule model order 8 = 89.3461104848%**

**Accuracy of Yule model order 16 = 91.1499436302%**

**Accuracy of Burg model order 4 = 87.373167982%**

## 3rd range: Rec\_106, Rec\_107, Rec\_108, Rec\_109

**Best K = 7**

**Accuracy of Yule model order 4 = 78.9302325581%**

**Accuracy of Yule model order 8 = 83.023255814%**

**Accuracy of Yule model order 16 = 83.488372093%**

**Accuracy of Burg model order 4 = 78.9302325581%**

## 4th range: Rec\_111, Rec\_112, Rec\_113

**Best K = 5-7**

**Accuracy of Yule model order 4 = 99.6296296296%**

**Accuracy of Yule model order 8 = 99.6913580247%**

**Accuracy of Yule model order 16 = 99.6913580247%**

**Accuracy of Burg model order 4 = 89.4444444444%**

**Accuracy of Burg model order 8 = 85.987654321**

## 5th range: Rec\_114, Rec\_115, Rec\_116, Rec\_117

**Best K = 7**

**Accuracy of Yule model order 4 = 99.4367639529%**

**Accuracy of Yule model order 8 = 99.5391705069%**

**Accuracy of Yule model order 16 = 99.4367639529%**

## 6th range: Rec\_118, Rec\_119

**Best K = 3**

**Accuracy of Yule model order 4 = 87.3521383076%**

**Accuracy of Yule model order 8 = 93.9945404914%**

**Accuracy of Yule model order 16 = 95.0864422202%**

**Accuracy of Burg model order 4 = 72.2474977252%**

**Accuracy of Burg model order 8 = 80.8917197452**

## 7th range: Rec\_121, Rec\_122, Rec\_123, Rec\_124

**Best K = 3-5-7**

**Accuracy of Yule model order 4 = 99.7957794418%**

**Accuracy of Yule model order 8 = 99.7957794418%**

**Accuracy of Yule model order 16 = 99.7957794418%**

**Accuracy of Burg model order 4 = 99.7957794418%**

**Accuracy of Burg model order 8 = 99.7957794418%**

## 8th range: Rec\_200, Rec\_201, Rec\_202, Rec\_203

**Best K = 7**

**Accuracy of Yule model order 4 = 97.3256924546%**

**Accuracy of Yule model order 8 = 95.5109837631%**

**Accuracy of Yule model order 16 = 97.4212034384%**

**Accuracy of Burg model order 4 = 97.6122254059%**

**Accuracy of Burg model order 8 = 97.4212034384%**

## 9th range: Rec\_205, Rec\_207, Rec\_208, Rec\_209

**Best K = 7**

**Accuracy of Yule model order 4 = 84.5283018868%**

**Accuracy of Yule model order 8 = 86.6981132075%**

**Accuracy of Yule model order 16 = 87.0283018868%**

**Accuracy of Burg model order 4 = 86.0849056604%**

## 10th range: Rec\_210, Rec\_212, Rec\_213

**Best K = 3**

**Accuracy of Yule model order 4 = 82.8382838284%**

**Accuracy of Yule model order 8 = 89.702970297%**

**Accuracy of Yule model order 16 = 88.3168316832%**

**Accuracy of Burg model order 4 = 79.603960396%**

**Accuracy of Burg model order 4 = 70.2310231023%**

## 11th range: Rec\_214, Rec\_215

**Best K = 7**

**Accuracy of Yule model order 4 = 95.3684210526%**

**Accuracy of Yule model order 8 = 96.1403508772%**

**Accuracy of Yule model order 16 = 95.3684210526%**

**Accuracy of Burg model order 4 = 71.5789473684%**

**Accuracy of Burg model order 8 = 86.7368421053%**

## 12th range: Rec\_217, Rec\_219, Rec\_220

**Best K = 7**

**Accuracy of Yule model order 4 = 92.7335640138%**

**Accuracy of Yule model order 8 = 93.9446366782%**

**Accuracy of Yule model order 16 = 93.2525951557%**

**Accuracy of Burg model order 4 = 91.6955017301%**

**Accuracy of Burg model order 8 = 92.3875432526%**

## 13th range: Rec\_221, Rec\_222, Rec\_223

**Best K = 5**

**Accuracy of Yule model order 4 = 69.5607235142%**

**Accuracy of Yule model order 8 = 71.6795865633%**

**Accuracy of Yule model order 16 = 71.8863049096%**

**Accuracy of Burg model order 4 = 65.6330749354%**

**Accuracy of Burg model order 8 = 72.2480620155%**

## 14th range: Rec\_228, Rec\_230, Rec\_230

**Best K = 5**

**Accuracy of Yule model order 4 = 98.0119284294%**

**Accuracy of Yule model order 8 = 99.6023856859%**

**Accuracy of Yule model order 16 = 99.4035785288%**

**Accuracy of Burg model order 4 = 99.0059642147%**

**Accuracy of Burg model order 8 = 98.8071570577%**

## 15th range: Rec\_231, Rec\_232

**Best K = 7**

**Accuracy of Yule model order 4 = 69.8014629049%**

**Accuracy of Yule model order 8 = 70.4284221526%**

**Accuracy of Yule model order 16 = 66.3531870428%**

**Accuracy of Burg model order 4 = 76.9070010449%**

**Accuracy of Burg model order 8 = 75.8620689655%**

## 16th range: Rec\_233, Rec\_234

**Best K = 7**

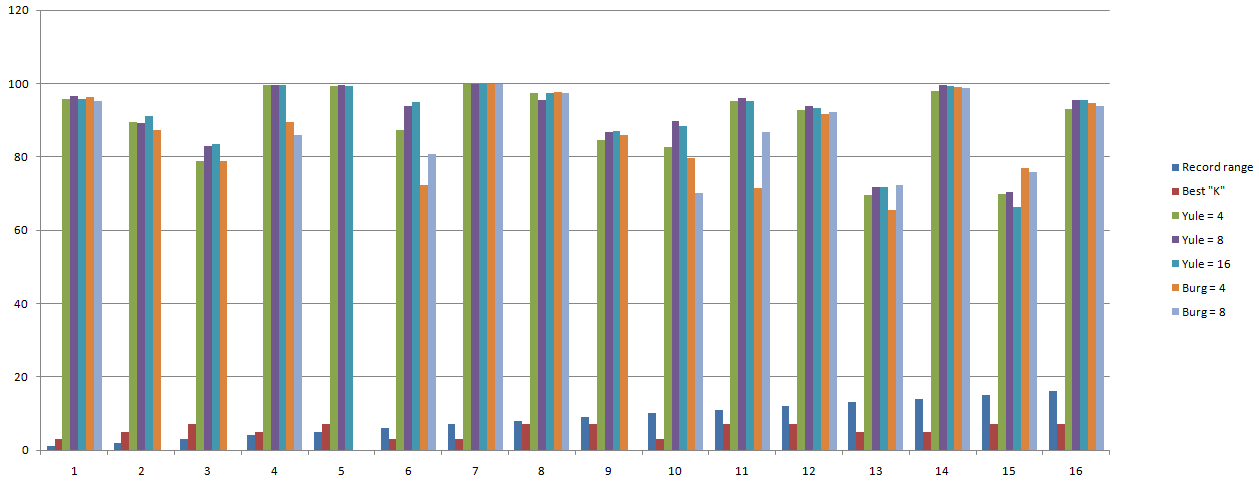
**Accuracy of Yule model order 4 = 92.9682217715%**

**Accuracy of Yule model order 8 = 95.4699121028%**

**Accuracy of Yule model order 16 = 95.4022988506%**

**Accuracy of Burg model order 4 = 94.6585530764%**

**Accuracy of Burg model order 8 = 93.84719405%**

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