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| Faculty of engineering aind shams universtiy |
| CSE496-Graduation project |
| Abd El-Hady Kamal Mahmoud Ashour |
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| **ID:13p3153** |
| **CESS Senior2** |



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

**Best K = 7**

**Accuracy of Yule model order 4 = 96.2295081967%**

**Accuracy of Yule model order 8 = 96.9672131148%**

**Accuracy of Yule model order 16 = 96.5573770492%**

**Accuracy of Burg model order 4 = 96.5573770492%**

**Accuracy of Burg model order 8 = 95.4098360656%**

# 2nd range: Rec\_103,Rec\_104,Rec\_105

**Best K = 7**

**Accuracy of Yule model order 4 = 90.5545112782%**

**Accuracy of Yule model order 8 = 90.977443609%**

**Accuracy of Yule model order 16 = 92.0112781955%**

**Accuracy of Burg model order 4 = 86.6541353383%**

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

**Best K = 3**

**Accuracy of Yule model order 4 = 1.8992248062%**

**Accuracy of Yule model order 8 = 1.62790697674%**

**Accuracy of Yule model order 16 = 1.74418604651%**

**Accuracy of Burg model order 4 = 1.86046511628%**

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

**Best K = 3**

**Accuracy of Yule model order 4 = 41.3065843621%**

**Accuracy of Yule model order 8 = 25.3600823045%**

**Accuracy of Yule model order 16 = 19.5473251029%**

**Accuracy of Burg model order 4 = 9.31069958848%**

**Accuracy of Burg model order 8 = 12.3971193416%**

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

**Best K = 7**

**Accuracy of Yule model order 4 = 99.1467576792%**

**Accuracy of Yule model order 8 = 99.2320819113%**

**Accuracy of Yule model order 16 = 99.1467576792%**

# 6th range: Rec\_118,Rec\_119,Rec\_120

**Best K = 5**

**Accuracy of Yule model order 4 = 87.6421531463%**

**Accuracy of Yule model order 8 = 94.086429113%**

**Accuracy of Yule model order 16 = 94.086429113%**

**Accuracy of Burg model order 4 = 68.6884003033%**

**Accuracy of Burg model order 8 = 79.3783169067%**

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

**Best K = 5**

**Accuracy of Yule model order 4 = 27.385707945%**

**Accuracy of Yule model order 8 = 27.385707945%**

**Accuracy of Yule model order 16 = 27.385707945%**

**Accuracy of Burg model order 4 = 27.385707945%**

**Accuracy of Burg model order 8 = 27.385707945%**

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

**Best K = 7**

**Accuracy of Yule model order 4 = 80.3930530165%**

**Accuracy of Yule model order 8 = 80.6215722121%**

**Accuracy of Yule model order 16 = 80.8043875686%**

**Accuracy of Burg model order 4 = 79.844606947%**

**Accuracy of Burg model order 8 = 79.1590493601%**

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

**Best K = 7**

**Accuracy of Yule model order 4 = 83.5298742138%**

**Accuracy of Yule model order 8 = 82.9009433962%**

**Accuracy of Yule model order 16 = 82.9009433962%**

**Accuracy of Burg model order 4 = 79.3632075472%**

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

**Best K = 3**

**Accuracy of Yule model order 4 = 84.7084708471%**

**Accuracy of Yule model order 8 = 90.704070407%**

**Accuracy of Yule model order 16 = 88.99889989%**

**Accuracy of Burg model order 4 = 82.4532453245%**

**Accuracy of Burg model order 4 = 74.9724972497%**

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

**Best K = 7**

**Accuracy of Yule model order 4 = 95.2046783626%**

**Accuracy of Yule model order 8 = 95.2046783626%**

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

**Best K = 7**

**Accuracy of Yule model order 4 = 92.939481268%**

**Accuracy of Yule model order 8 = 93.8040345821%**

**Accuracy of Yule model order 16 = 93.3717579251%**

**Accuracy of Burg model order 4 =91.7867435159%**

**Accuracy of Burg model order 8 = 92.3631123919%**

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

**Best K = 7**

**Accuracy of Yule model order 4 = 73.6864771748%**

**Accuracy of Yule model order 8 = 75.7105943152%**

**Accuracy of Yule model order 16 = 76.5288544358%**

**Accuracy of Burg model order 4 =70.4995693368%**

**Accuracy of Burg model order 8 = 75.7536606374%**

# 14th range: Rec\_228, Rec\_230, Rec\_231

**Best K = 7**

**Accuracy of Yule model order 4 =95.3642384106%**

**Accuracy of Yule model order 8 = 98.3443708609%**

**Accuracy of Yule model order 16 = 98.0132450331%**

**Accuracy of Burg model order 4 = 97.5165562914%**

**Accuracy of Burg model order 8 = 97.8476821192%**

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

**Best K = 7**

**Accuracy of Yule model order 4 = 67.2758920801%**

**Accuracy of Yule model order 8 = 69.8868581375%**

**Accuracy of Yule model order 16 = 65.4482158399%**

**Accuracy of Burg model order 4 = 72.8459530026%**

**Accuracy of Burg model order 8 = 74.6736292428%**

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

**Best K = 7**

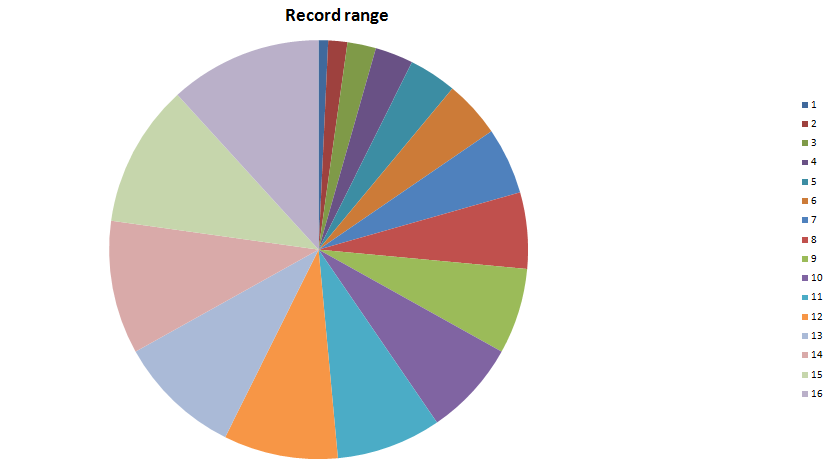
**Accuracy of Yule model order 4 = 92.2816901408%**

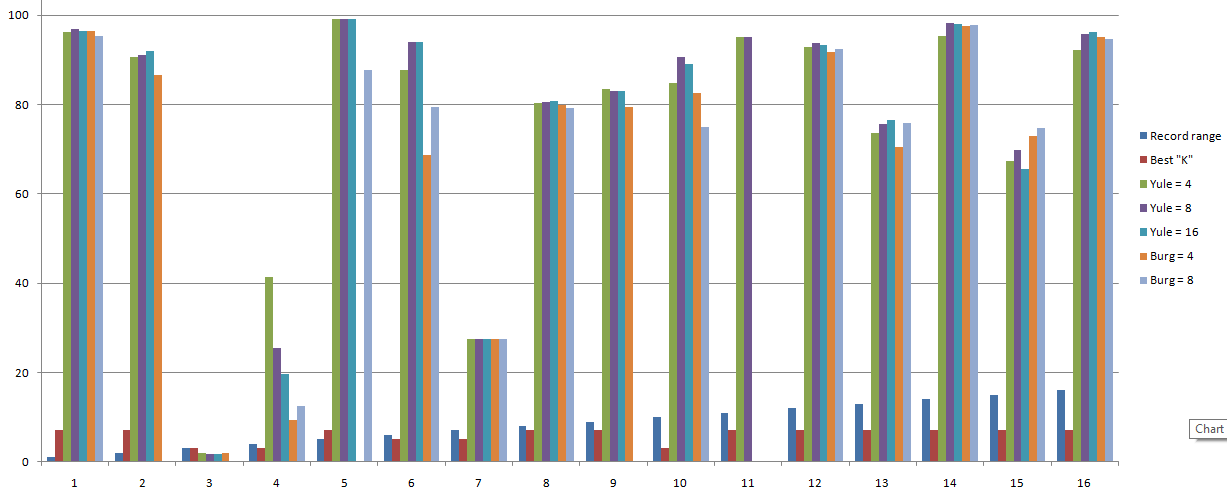
**Accuracy of Yule model order 8 = 95.8873239437%**

**Accuracy of Yule model order 16 = 96.1126760563%**

**Accuracy of Burg model order 4 = 95.2112676056%**

**Accuracy of Burg model order 8 = 94.7605633803%**



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