**סיכום תוצאות:**

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| **Alpha Investing (alpha=0.05, dw=0.05)** | | | | | | |
| **DS** | **Window** | **OL Algorithm** | | | | |
|  |  | **K-Nearest Neighbors(k=3)** | **K-Nearest Neighbors(k=5)** | **Naive Bayes** | **Neural Network** | **Random Forest** |
| Chlorine Concentration | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Electric Devices | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ethanol Level | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ford A | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Non Invasive Fetal ECG Thorax1 | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Semg Hand Subject Ch2 | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Two Patterns | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Wafer | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ozone | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Refrigeration Devices | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |

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| **Fast OSFS (alpha=0.05)** | | | | | | |
| **DS** | **Window** | **OL Algorithm** | | | | |
|  |  | **K-Nearest Neighbors(k=3)** | **K-Nearest Neighbors(k=5)** | **Naive Bayes** | **Neural Network** | **Random Forest** |
| Chlorine Concentration | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Electric Devices | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ethanol Level | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ford A | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Non Invasive Fetal ECG Thorax1 | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Semg Hand Subject Ch2 | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Two Patterns | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Wafer | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ozone | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Refrigeration Devices | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |

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| **OSFS (alpha=0.05)** | | | | | | |
| **DS** | **Window** | **OL Algorithm** | | | | |
|  |  | **K-Nearest Neighbors(k=3)** | **K-Nearest Neighbors(k=5)** | **Naive Bayes** | **Neural Network** | **Random Forest** |
| Chlorine Concentration | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Electric Devices | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ethanol Level | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ford A | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Non Invasive Fetal ECG Thorax1 | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Semg Hand Subject Ch2 | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Two Patterns | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Wafer | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ozone | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Refrigeration Devices | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |

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| **SAOLA (alpha=0.05)** | | | | | | |
| **DS** | **Window** | **OL Algorithm** | | | | |
|  |  | **K-Nearest Neighbors(k=3)** | **K-Nearest Neighbors(k=5)** | **Naive Bayes** | **Neural Network** | **Random Forest** |
| Chlorine Concentration | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Electric Devices | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ethanol Level | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ford A | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Non Invasive Fetal ECG Thorax1 | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Semg Hand Subject Ch2 | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Two Patterns | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Wafer | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ozone | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Refrigeration Devices | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |

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| **FIRES (lr\_mu=0.01, lr\_sigma=0.01)** | | | | | | |
| **DS** | **Window** | **OL Algorithm** | | | | |
|  |  | **K-Nearest Neighbors(k=3)** | **K-Nearest Neighbors(k=5)** | **Naive Bayes** | **Neural Network** | **Random Forest** |
| Chlorine Concentration | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Electric Devices | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ethanol Level | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ford A | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Non Invasive Fetal ECG Thorax1 | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Semg Hand Subject Ch2 | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Two Patterns | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Wafer | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ozone | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Refrigeration Devices | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |

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| **WITH-OUT OFS** | | | | | | |
| **DS** | **Window** | **OL Algorithm** | | | | |
|  |  | **K-Nearest Neighbors(k=3)** | **K-Nearest Neighbors(k=5)** | **Naive Bayes** | **Neural Network** | **Random Forest** |
| Chlorine Concentration | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Electric Devices | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ethanol Level | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ford A | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Non Invasive Fetal ECG Thorax1 | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Semg Hand Subject Ch2 | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Two Patterns | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Wafer | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Ozone | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |
| Refrigeration Devices | 300 |  |  |  |  |  |
| 500 |  |  |  |  |  |