Resultados Experimentos DAHFI

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| | | PCA | PLS | mRMR | whole |
|------------|------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| KNN | CC | 0.521 ± 0.064 | 0.517 ± 0.065 | 0.474 ± 0.049 | $\textbf{0.530} \pm \textbf{0.035}$ |
| | DCOR | 0.480 ± 0.031 | $\textbf{0.497} \pm \textbf{0.056}$ | 0.490 ± 0.033 | 0.493 ± 0.039 |
| | FFT | $\textbf{0.541} \pm \textbf{0.043}$ | 0.519 ± 0.038 | 0.519 ± 0.038 | 0.511 ± 0.038 |
| KNNSScaler | CC | 0.523 ± 0.048 | $\textbf{0.526} \pm \textbf{0.064}$ | 0.518 ± 0.053 | 0.522 ± 0.038 |
| | DCOR | 0.497 ± 0.064 | $\textbf{0.513}\pm\textbf{0.067}$ | 0.494 ± 0.017 | 0.485 ± 0.061 |
| | FFT | 0.511 ± 0.035 | $\textbf{0.521} \pm \textbf{0.039}$ | 0.502 ± 0.054 | 0.503 ± 0.046 |
| LR | CC | $\textbf{0.567} \pm \textbf{0.054}$ | 0.545 ± 0.061 | 0.560 ± 0.100 | 0.554 ± 0.091 |
| | DCOR | 0.485 ± 0.041 | $\textbf{0.510} \pm \textbf{0.058}$ | 0.503 ± 0.065 | 0.479 ± 0.051 |
| | FFT | 0.543 ± 0.065 | 0.546 ± 0.032 | $\textbf{0.551} \pm \textbf{0.071}$ | 0.500 ± 0.073 |
| LRSScaler | CC | No converge | No converge | No converge | No converge |
| | DCOR | No converge | No converge | No converge | No converge |
| | FFT | 0.545 ± 0.070 | 0.545 ± 0.044 | 0.540 ± 0.062 | $\textbf{0.564} \pm \textbf{0.046}$ |
| SVC | CC | $\boxed{0.533\pm0.074}$ | 0.531 ± 0.050 | 0.520 ± 0.052 | 0.527 ± 0.050 |
| | DCOR | 0.432 ± 0.049 | 0.458 ± 0.069 | $\textbf{0.473}\pm\textbf{0.066}$ | 0.463 ± 0.045 |
| | FFT | 0.506 ± 0.074 | $\textbf{0.553} \pm \textbf{0.048}$ | 0.516 ± 0.039 | 0.500 ± 0.000 |
| SVCSScaler | CC | 0.516 ± 0.063 | 0.524 ± 0.033 | 0.525 ± 0.080 | $\textbf{0.540} \pm \textbf{0.097}$ |
| | DCOR | 0.460 ± 0.061 | $\textbf{0.502}\pm\textbf{0.062}$ | 0.461 ± 0.079 | 0.499 ± 0.029 |
| | FFT | $\textbf{0.561} \pm \textbf{0.071}$ | 0.516 ± 0.046 | 0.552 ± 0.096 | 0.543 ± 0.041 |

Table 1: Tabla comparativa en Balanced Accuracy

| | | PCA | PLS | mRMR | whole |
|------------|------|-------------------------------------|---|-------------------------------------|-------------------------------------|
| KNN | CC | 0.577 ± 0.079 | 0.515 ± 0.078 | 0.514 ± 0.059 | 0.546 ± 0.090 |
| | DCOR | 0.477 ± 0.081 | $\textbf{0.521}\pm\textbf{0.087}$ | 0.452 ± 0.078 | 0.447 ± 0.088 |
| | FFT | 0.524 ± 0.075 | 0.485 ± 0.049 | 0.509 ± 0.076 | $\textbf{0.534} \pm \textbf{0.102}$ |
| KNNSScaler | CC | 0.488 ± 0.062 | 0.525 ± 0.090 | 0.553 ± 0.073 | $\textbf{0.576}\pm\textbf{0.072}$ |
| | DCOR | $\textbf{0.501} \pm \textbf{0.074}$ | 0.497 ± 0.104 | 0.458 ± 0.055 | 0.454 ± 0.083 |
| | FFT | 0.509 ± 0.087 | 0.513 ± 0.053 | $\textbf{0.542} \pm \textbf{0.042}$ | 0.533 ± 0.067 |
| LR | CC | 0.598 ± 0.065 | 0.578 ± 0.052 | 0.581 ± 0.092 | 0.578 ± 0.086 |
| | DCOR | 0.473 ± 0.057 | $\textbf{0.513}\pm\textbf{0.099}$ | 0.511 ± 0.073 | 0.504 ± 0.057 |
| | FFT | 0.574 ± 0.101 | 0.567 ± 0.043 | $\textbf{0.604} \pm \textbf{0.082}$ | 0.479 ± 0.076 |
| LRSScaler | CC | No converge | No converge | No converge | No converge |
| | DCOR | No converge | No converge | No converge | No converge |
| | FFT | 0.582 ± 0.091 | 0.558 ± 0.054 | $\textbf{0.586} \pm \textbf{0.062}$ | 0.578 ± 0.061 |
| SVC | CC | 0.523 ± 0.076 | $\boxed{\textbf{0.557} \pm \textbf{0.078}}$ | 0.529 ± 0.090 | 0.546 ± 0.067 |
| | DCOR | 0.426 ± 0.070 | $\textbf{0.463}\pm\textbf{0.112}$ | 0.446 ± 0.082 | 0.438 ± 0.060 |
| | FFT | 0.482 ± 0.096 | $\textbf{0.552}\pm\textbf{0.042}$ | 0.541 ± 0.083 | 0.500 ± 0.000 |
| SVCSScaler | CC | 0.544 ± 0.064 | $\textbf{0.564} \pm \textbf{0.053}$ | 0.528 ± 0.081 | 0.559 ± 0.067 |
| | DCOR | 0.466 ± 0.076 | $\textbf{0.520} \pm \textbf{0.106}$ | 0.454 ± 0.086 | 0.469 ± 0.074 |
| | FFT | $\textbf{0.581} \pm \textbf{0.091}$ | 0.536 ± 0.046 | 0.563 ± 0.113 | 0.571 ± 0.047 |

Table 2: Tabla comparativa en Area bajo la curva roc