**Results:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | MSE | MAE | R2 |
| 90%, unfiltered genes, rating sorted | 1.903012 | 1.351777 | -0.407785 |
| 90%, unfiltered genes,  ROI sorted | 1.918772 | 1.33722 | -0.434896 |
| 90%, filtered genes, rating sorted | 2.408717 | 1.481722 | -0.62562 |
| 90% filtered genes,  ROI sorted | 2.192198 | 1.355269 | -0.617538 |

Table 1: MSE, MAE and R2, 1980-1990

|  |  |  |  |
| --- | --- | --- | --- |
|  | MSE | MAE | R2 |
| 90%, unfiltered genes, rating sorted | 0.262791 | 0.454177 | 0.421391 |
| 90%, unfiltered genes,  ROI sorted | 0.275665 | 0.48403 | 0.430479 |
| 90%, filtered genes, rating sorted | 0.161332 | 0.339789 | 0.5252 |
| 90% filtered genes,  ROI sorted | 0.188848 | 0.381595 | 0.505109 |

Table 2: MSE, MAE and R2, 1990-2000

|  |  |  |  |
| --- | --- | --- | --- |
|  | MSE | MAE | R2 |
| 90%, unfiltered genes, rating sorted | 0.383322 | 0.582441 | 0.341869 |
| 90%, unfiltered genes,  ROI sorted | 0.44672 | 0.644588 | 0.306968 |
| 90%, filtered genes, rating sorted | 0.214912 | 0.42057 | 0.488999 |
| 90% filtered genes,  ROI sorted | 0.367939 | 0.581353 | 0.367099 |

Table 3: MSE, MAE and R2, 2000-2010