**UPM**

1. **Modelo Mixto: No hay medidas repetidas**

**1.1 AIC**

|  |  |
| --- | --- |
| **Criterios de informacióna** | |
| Logaritmo de la verosimilitud -2 | 495,253 |
| Criterio de información Akaike (AIC) | 531,253 |
| Criterio de Hurvich y Tsai (AICC) | 549,253 |
| Criterio de Bozdogan (CAIC) | 586,028 |
| Criterio bayesiano de Schwarz (BIC) | 568,028 |
| Los criterios de información se visualizan en el formato cuanto más pequeño mejor. | |
| a. Variable dependiente: Productividad. | |

**1.2 Efectos fijos**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pruebas de efectos fijos de tipo IIIa** | | | | |
| Origen | gl de numerador | gl de denominador | F | Sig. |
| Intersección | 1 | 14,276 | 68,706 | ,000 |
| DevAppr1 | 3 | 40,902 | 1,450 | ,242 |
| Tarea1 | 3 | 40,855 | 28,359 | ,000 |
| Tarea1 \* DevAppr1 | 9 | 49,837 | ,718 | ,690 |
| a. Variable dependiente: Productividad. | | | | |

**1.3 Comparación por Parejas:**

**Tarea**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Comparaciones por parejasa** | | | | | | | |
| (I) Task | (J) Task | Diferencia de medias (I-J) | Desv. Error | gl | Sig.c | 95% de intervalo de confianza para diferenciac | |
| Límite inferior | Límite superior |
| MR\_NS | BSK\_S | -47,569\* | 5,740 | 40,916 | ,000 | -63,485 | -31,654 |
| MF\_NS | -14,520 | 5,979 | 41,279 | ,118 | -31,091 | 2,050 |
| Sudoku\_NS | -39,385\* | 6,054 | 41,361 | ,000 | -56,162 | -22,608 |
| BSK\_S | MR\_NS | 47,569\* | 5,740 | 40,916 | ,000 | 31,654 | 63,485 |
| MF\_NS | 33,049\* | 6,004 | 40,627 | ,000 | 16,395 | 49,703 |
| Sudoku\_NS | 8,184 | 6,081 | 40,872 | 1,000 | -8,677 | 25,045 |
| MF\_NS | MR\_NS | 14,520 | 5,979 | 41,279 | ,118 | -2,050 | 31,091 |
| BSK\_S | -33,049\* | 6,004 | 40,627 | ,000 | -49,703 | -16,395 |
| Sudoku\_NS | -24,865\* | 6,244 | 40,030 | ,002 | -42,197 | -7,533 |
| Sudoku\_NS | MR\_NS | 39,385\* | 6,054 | 41,361 | ,000 | 22,608 | 56,162 |
| BSK\_S | -8,184 | 6,081 | 40,872 | 1,000 | -25,045 | 8,677 |
| MF\_NS | 24,865\* | 6,244 | 40,030 | ,002 | 7,533 | 42,197 |
| Se basa en medias marginales estimadas | | | | | | | |
| \*. La diferencia de medias es significativa en el nivel ,05. | | | | | | | |
| a. Variable dependiente: Productividad. | | | | | | | |
| c. Ajuste para varias comparaciones: Bonferroni. | | | | | | | |

**1.4 Pruebas de Normalidad**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pruebas de normalidad** | | | | | | |
|  | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
| Estadístico | gl | Sig. | Estadístico | gl | Sig. |
| Residuos | ,082 | 57 | ,200\* | ,979 | 57 | ,432 |
| \*. Esto es un límite inferior de la significación verdadera. | | | | | | |
| a. Corrección de significación de Lilliefors | | | | | | |

1. **Modelo Mixto: Hay medidas repetidas (Identidad Escalada)**

**2.1 AIC**

|  |  |
| --- | --- |
| **Criterios de informacióna** | |
| Logaritmo de la verosimilitud -2 | 505,586 |
| Criterio de información Akaike (AIC) | 539,586 |
| Criterio de Hurvich y Tsai (AICC) | 555,279 |
| Criterio de Bozdogan (CAIC) | 591,318 |
| Criterio bayesiano de Schwarz (BIC) | 574,318 |
| Los criterios de información se visualizan en el formato cuanto más pequeño mejor. | |
| a. Variable dependiente: Productividad. | |

**2.2 Efectos fijos**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pruebas de efectos fijos de tipo IIIa** | | | | |
| Origen | gl de numerador | gl de denominador | F | Sig. |
| Intersección | 1 | 57 | 175,061 | ,000 |
| DevAppr1 | 3 | 57 | ,950 | ,423 |
| Tarea1 | 3 | 57 | 16,262 | ,000 |
| Tarea1 \* DevAppr1 | 9 | 57 | 1,231 | ,295 |
| a. Variable dependiente: Productividad. | | | | |

**2.3 Comparación por parejas**

**Tarea**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Comparaciones por parejasa** | | | | | | | | |
| (I) Task | (J) Task | Diferencia de medias (I-J) | Desv. Error | gl | Sig.c | 95% de intervalo de confianza para diferenciac | |
| Límite inferior | Límite superior |
| MR\_NS | BSK\_S | -46,798\* | 7,568 | 57 | ,000 | -67,486 | -26,111 |
| MF\_NS | -15,592 | 7,850 | 57 | ,311 | -37,049 | 5,865 |
| Sudoku\_NS | -41,300\* | 7,932 | 57 | ,000 | -62,982 | -19,618 |
| BSK\_S | MR\_NS | 46,798\* | 7,568 | 57 | ,000 | 26,111 | 67,486 |
| MF\_NS | 31,206\* | 7,905 | 57 | ,001 | 9,599 | 52,814 |
| Sudoku\_NS | 5,498 | 7,987 | 57 | 1,000 | -16,333 | 27,330 |
| MF\_NS | MR\_NS | 15,592 | 7,850 | 57 | ,311 | -5,865 | 37,049 |
| BSK\_S | -31,206\* | 7,905 | 57 | ,001 | -52,814 | -9,599 |
| Sudoku\_NS | -25,708\* | 8,254 | 57 | ,017 | -48,270 | -3,146 |
| Sudoku\_NS | MR\_NS | 41,300\* | 7,932 | 57 | ,000 | 19,618 | 62,982 |
| BSK\_S | -5,498 | 7,987 | 57 | 1,000 | -27,330 | 16,333 |
| MF\_NS | 25,708\* | 8,254 | 57 | ,017 | 3,146 | 48,270 |
| Se basa en medias marginales estimadas | | | | | | | | |
| \*. La diferencia de medias es significativa en el nivel ,05. | | | | | | | | |
| a. Variable dependiente: Productividad. | | | | | | | | |
| c. Ajuste para varias comparaciones: Bonferroni. | | | | | | | | |

**2.4 Pruebas de Normalidad**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pruebas de normalidad** | | | | | | |
|  | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
| Estadístico | Gl | Sig. | Estadístico | gl | Sig. |
| Residuos | ,140 | 57 | ,007 | ,951 | 57 | ,022 |
| a. Corrección de significación de Lilliefors | | | | | | |

1. **Modelo Mixto: Hay medidas repetidas (Simetría Compuesta)**

**3.1 AIC**

|  |  |
| --- | --- |
| **Criterios de informacióna** | |
| Logaritmo de la verosimilitud -2 | 495,253 |
| Criterio de información Akaike (AIC) | 531,253 |
| Criterio de Hurvich y Tsai (AICC) | 549,253 |
| Criterio de Bozdogan (CAIC) | 586,028 |
| Criterio bayesiano de Schwarz (BIC) | 568,028 |
| Los criterios de información se visualizan en el formato cuanto más pequeño mejor. | |
| a. Variable dependiente: Productividad. | |

**3.2 Efectos fijos**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pruebas de efectos fijos de tipo IIIa** | | | | |
| Origen | gl de numerador | gl de denominador | F | Sig. |
| Intersección | 1 | 14,276 | 68,706 | ,000 |
| DevAppr1 | 3 | 40,902 | 1,450 | ,242 |
| Tarea1 | 3 | 40,855 | 28,359 | ,000 |
| Tarea1 \* DevAppr1 | 9 | 49,837 | ,718 | ,690 |
| a. Variable dependiente: Productividad. | | | | |

**3.3 Comparación por parejas**

**Tarea**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Comparaciones por parejasa** | | | | | | | |
| (I) Task | (J) Task | Diferencia de medias (I-J) | Desv. Error | gl | Sig.c | 95% de intervalo de confianza para diferenciac | |
| Límite inferior | Límite superior |
| MR\_NS | BSK\_S | -47,569\* | 5,740 | 40,916 | ,000 | -63,485 | -31,654 |
| MF\_NS | -14,520 | 5,979 | 41,279 | ,118 | -31,091 | 2,050 |
| Sudoku\_NS | -39,385\* | 6,054 | 41,361 | ,000 | -56,162 | -22,608 |
| BSK\_S | MR\_NS | 47,569\* | 5,740 | 40,916 | ,000 | 31,654 | 63,485 |
| MF\_NS | 33,049\* | 6,004 | 40,627 | ,000 | 16,395 | 49,703 |
| Sudoku\_NS | 8,184 | 6,081 | 40,872 | 1,000 | -8,677 | 25,045 |
| MF\_NS | MR\_NS | 14,520 | 5,979 | 41,279 | ,118 | -2,050 | 31,091 |
| BSK\_S | -33,049\* | 6,004 | 40,627 | ,000 | -49,703 | -16,395 |
| Sudoku\_NS | -24,865\* | 6,244 | 40,030 | ,002 | -42,197 | -7,533 |
| Sudoku\_NS | MR\_NS | 39,385\* | 6,054 | 41,361 | ,000 | 22,608 | 56,162 |
| BSK\_S | -8,184 | 6,081 | 40,872 | 1,000 | -25,045 | 8,677 |
| MF\_NS | 24,865\* | 6,244 | 40,030 | ,002 | 7,533 | 42,197 |
| Se basa en medias marginales estimadas | | | | | | | |
| \*. La diferencia de medias es significativa en el nivel ,05. | | | | | | | |
| a. Variable dependiente: Productividad. | | | | | | | |
| c. Ajuste para varias comparaciones: Bonferroni. | | | | | | | |

**3.4 Pruebas de Normalidad**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pruebas de normalidad** | | | | | | |
|  | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
| Estadístico | gl | Sig. | Estadístico | gl | Sig. |
| Residuos | ,127 | 57 | ,023 | ,946 | 57 | ,014 |
| a. Corrección de significación de Lilliefors | | | | | | |

1. **Modelo Mixto: Hay medidas repetidas (Diagonal)**

**4.1 AIC**

|  |  |
| --- | --- |
| **Criterios de informacióna** | |
| Logaritmo de la verosimilitud -2 | 502,617 |
| Criterio de información Akaike (AIC) | 542,617 |
| Criterio de Hurvich y Tsai (AICC) | 565,950 |
| Criterio de Bozdogan (CAIC) | 603,478 |
| Criterio bayesiano de Schwarz (BIC) | 583,478 |
| Los criterios de información se visualizan en el formato cuanto más pequeño mejor. | |
| a. Variable dependiente: Productividad. | |

**4.2 Efectos fijos**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pruebas de efectos fijos de tipo IIIa** | | | | |
| Origen | gl de numerador | gl de denominador | F | Sig. |
| Intersección | 1 | 49,305 | 171,929 | ,000 |
| DevAppr1 | 3 | 25,758 | ,897 | ,456 |
| Tarea1 | 3 | 47,543 | 16,048 | ,000 |
| Tarea1 \* DevAppr1 | 9 | 29,780 | 1,478 | ,202 |
| a. Variable dependiente: Productividad. | | | | |

**4.3 Comparación por parejas**

**Tarea**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Comparaciones por parejasa** | | | | | | | |
| (I) Task | (J) Task | Diferencia de medias (I-J) | Desv. Error | gl | Sig.c | 95% de intervalo de confianza para diferenciac | |
| Límite inferior | Límite superior |
| MR\_NS | BSK\_S | -46,798\* | 7,583 | 48,982 | ,000 | -67,650 | -25,947 |
| MF\_NS | -15,592 | 7,916 | 48,799 | ,327 | -37,361 | 6,177 |
| Sudoku\_NS | -41,300\* | 8,073 | 46,183 | ,000 | -63,556 | -19,044 |
| BSK\_S | MR\_NS | 46,798\* | 7,583 | 48,982 | ,000 | 25,947 | 67,650 |
| MF\_NS | 31,206\* | 7,906 | 48,925 | ,002 | 9,465 | 52,947 |
| Sudoku\_NS | 5,498 | 8,064 | 46,545 | 1,000 | -16,725 | 27,721 |
| MF\_NS | MR\_NS | 15,592 | 7,916 | 48,799 | ,327 | -6,177 | 37,361 |
| BSK\_S | -31,206\* | 7,906 | 48,925 | ,002 | -52,947 | -9,465 |
| Sudoku\_NS | -25,708\* | 8,378 | 48,955 | ,021 | -48,744 | -2,672 |
| Sudoku\_NS | MR\_NS | 41,300\* | 8,073 | 46,183 | ,000 | 19,044 | 63,556 |
| BSK\_S | -5,498 | 8,064 | 46,545 | 1,000 | -27,721 | 16,725 |
| MF\_NS | 25,708\* | 8,378 | 48,955 | ,021 | 2,672 | 48,744 |
| Se basa en medias marginales estimadas | | | | | | | |
| \*. La diferencia de medias es significativa en el nivel ,05. | | | | | | | |
| a. Variable dependiente: Productividad. | | | | | | | |
| c. Ajuste para varias comparaciones: Bonferroni. | | | | | | | |

**4.4 Pruebas de Normalidad**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pruebas de normalidad** | | | | | | |
|  | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
| Estadístico | gl | Sig. | Estadístico | gl | Sig. |
| Residuos | ,140 | 57 | ,007 | ,951 | 57 | ,022 |
| a. Corrección de significación de Lilliefors | | | | | | |

1. **Modelo Mixto: Hay medidas repetidas (Sin estructura)**

|  |
| --- |
| **Advertencias** |
| La iteración se ha terminado, pero la convergencia o se ha conseguido. El procedimiento MIXED continúa, a pesar de esta advertencia. Los resultados posteriores están basados en la última iteración. La validez del ajuste de modelo es incierta. |

* 1. **AIC**

|  |  |
| --- | --- |
| **Criterios de informacióna** | |
| Logaritmo de la verosimilitud -2 | 407,750 |
| Criterio de información Akaike (AIC) | 459,750 |
| Criterio de Hurvich y Tsai (AICC) | 506,550 |
| Criterio de Bozdogan (CAIC) | 538,869 |
| Criterio bayesiano de Schwarz (BIC) | 512,869 |
| Los criterios de información se visualizan en el formato cuanto más pequeño mejor. | |
| a. Variable dependiente: Productividad. | |

**5.2 Efectos fijos**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pruebas de efectos fijos de tipo IIIa** | | | | |
| Origen | gl de numerador | gl de denominador | F | Sig. |
| Intersección | 1 | 20,261 | 76,351 | ,000 |
| DevAppr1 | 3 | 22,898 | 2,248 | ,110 |
| Tarea1 | 3 | 20,282 | 5,750 | ,005 |
| Tarea1 \* DevAppr1 | 9 | 13,569 | 40381,963 | ,000 |
| a. Variable dependiente: Productividad. | | | | |

**5.3 Comparación por parejas**

**Enfoque de desarrollo \* Tarea compara Enfoque de desarrollo**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Comparaciones por parejasa** | | | | | | | | |
| Task | (I) Development Approach | (J) Development Approach | Diferencia de medias (I-J) | Desv. Error | gl | Sig.c | 95% de intervalo de confianza para diferenciac | |
| Límite inferior | Límite superior |
| MR\_NS | TLD1 | TLD2 | -5,007 | 12,735 | 25,210 | 1,000 | -41,465 | 31,452 |
| TDD1 | -93,149\* | 18,425 | 391,008 | ,000 | -142,007 | -44,291 |
| TDD2 | -28,818 | 11,016 | 96,393 | ,062 | -58,493 | ,857 |
| TLD2 | TLD1 | 5,007 | 12,735 | 25,210 | 1,000 | -31,452 | 41,465 |
| TDD1 | -88,143\* | 21,638 | 483,217 | ,000 | -145,466 | -30,819 |
| TDD2 | -23,811 | 9,886 | 62,263 | ,114 | -50,753 | 3,131 |
| TDD1 | TLD1 | 93,149\* | 18,425 | 391,008 | ,000 | 44,291 | 142,007 |
| TLD2 | 88,143\* | 21,638 | 483,217 | ,000 | 30,819 | 145,466 |
| TDD2 | 64,332 | 25,716 | 2810,790 | ,075 | -3,562 | 132,225 |
| TDD2 | TLD1 | 28,818 | 11,016 | 96,393 | ,062 | -,857 | 58,493 |
| TLD2 | 23,811 | 9,886 | 62,263 | ,114 | -3,131 | 50,753 |
| TDD1 | -64,332 | 25,716 | 2810,790 | ,075 | -132,225 | 3,562 |
| BSK\_S | TLD1 | TLD2 | -14,390 | 11,616 | 24,355 | 1,000 | -47,744 | 18,964 |
| TDD1 | 68,179\* | 18,304 | 413,351 | ,001 | 19,656 | 116,702 |
| TDD2 | -23,135 | 10,609 | 111,085 | ,188 | -51,636 | 5,365 |
| TLD2 | TLD1 | 14,390 | 11,616 | 24,355 | 1,000 | -18,964 | 47,744 |
| TDD1 | 82,569\* | 21,605 | 469,068 | ,001 | 25,327 | 139,811 |
| TDD2 | -8,746 | 9,655 | 64,614 | 1,000 | -35,025 | 17,533 |
| TDD1 | TLD1 | -68,179\* | 18,304 | 413,351 | ,001 | -116,702 | -19,656 |
| TLD2 | -82,569\* | 21,605 | 469,068 | ,001 | -139,811 | -25,327 |
| TDD2 | -91,314\* | 25,755 | 2762,221 | ,002 | -159,311 | -23,318 |
| TDD2 | TLD1 | 23,135 | 10,609 | 111,085 | ,188 | -5,365 | 51,636 |
| TLD2 | 8,746 | 9,655 | 64,614 | 1,000 | -17,533 | 35,025 |
| TDD1 | 91,314\* | 25,755 | 2762,221 | ,002 | 23,318 | 159,311 |
| MF\_NS | TLD1 | TLD2 | -6,233 | 11,718 | 22,919 | 1,000 | -40,066 | 27,601 |
| TDD1 | -49,007\* | 18,362 | 384,779 | ,048 | -97,703 | -,312 |
| TDD2 | 50,916\* | 10,833 | 100,689 | ,000 | 21,760 | 80,073 |
| TLD2 | TLD1 | 6,233 | 11,718 | 22,919 | 1,000 | -27,601 | 40,066 |
| TDD1 | -42,775 | 21,416 | 581,568 | ,278 | -99,470 | 13,920 |
| TDD2 | 57,149\* | 9,438 | 67,809 | ,000 | 31,497 | 82,801 |
| TDD1 | TLD1 | 49,007\* | 18,362 | 384,779 | ,048 | ,312 | 97,703 |
| TLD2 | 42,775 | 21,416 | 581,568 | ,278 | -13,920 | 99,470 |
| TDD2 | 99,924\* | 25,743 | 2744,859 | ,001 | 31,957 | 167,891 |
| TDD2 | TLD1 | -50,916\* | 10,833 | 100,689 | ,000 | -80,073 | -21,760 |
| TLD2 | -57,149\* | 9,438 | 67,809 | ,000 | -82,801 | -31,497 |
| TDD1 | -99,924\* | 25,743 | 2744,859 | ,001 | -167,891 | -31,957 |
| Sudoku\_NS | TLD1 | TLD2 | -12,679 | 13,498 | 21,123 | 1,000 | -51,962 | 26,605 |
| TDD1 | 78,369\* | 18,511 | 350,106 | ,000 | 29,253 | 127,485 |
| TDD2 | 4,287 | 11,492 | 83,868 | 1,000 | -26,767 | 35,341 |
| TLD2 | TLD1 | 12,679 | 13,498 | 21,123 | 1,000 | -26,605 | 51,962 |
| TDD1 | 91,048\* | 21,669 | 458,801 | ,000 | 33,629 | 148,466 |
| TDD2 | 16,966 | 9,813 | 64,672 | ,532 | -9,744 | 43,675 |
| TDD1 | TLD1 | -78,369\* | 18,511 | 350,106 | ,000 | -127,485 | -29,253 |
| TLD2 | -91,048\* | 21,669 | 458,801 | ,000 | -148,466 | -33,629 |
| TDD2 | -74,082\* | 25,741 | 2681,668 | ,024 | -142,043 | -6,121 |
| TDD2 | TLD1 | -4,287 | 11,492 | 83,868 | 1,000 | -35,341 | 26,767 |
| TLD2 | -16,966 | 9,813 | 64,672 | ,532 | -43,675 | 9,744 |
| TDD1 | 74,082\* | 25,741 | 2681,668 | ,024 | 6,121 | 142,043 |
| Se basa en medias marginales estimadas | | | | | | | | |
| \*. La diferencia de medias es significativa en el nivel ,05. | | | | | | | | |
| a. Variable dependiente: Productividad. | | | | | | | | |
| c. Ajuste para varias comparaciones: Bonferroni. | | | | | | | | |

**Enfoque de desarrollo \* Tarea compara Tarea**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Comparaciones por parejasa** | | | | | | | | |
| Development Approach | (I) Task | (J) Task | Diferencia de medias (I-J) | Desv. Error | gl | Sig.c | 95% de intervalo de confianza para diferenciac | |
| Límite inferior | Límite superior |
| TLD1 | MR\_NS | BSK\_S | -49,754\* | 11,174 | 20,140 | ,001 | -82,436 | -17,072 |
| MF\_NS | -23,652 | 12,470 | 21,122 | ,430 | -59,946 | 12,642 |
| Sudoku\_NS | -52,504\* | 12,335 | 20,540 | ,002 | -88,507 | -16,501 |
| BSK\_S | MR\_NS | 49,754\* | 11,174 | 20,140 | ,001 | 17,072 | 82,436 |
| MF\_NS | 26,102 | 11,456 | 20,350 | ,202 | -7,368 | 59,571 |
| Sudoku\_NS | -2,750 | 12,507 | 20,092 | 1,000 | -39,340 | 33,840 |
| MF\_NS | MR\_NS | 23,652 | 12,470 | 21,122 | ,430 | -12,642 | 59,946 |
| BSK\_S | -26,102 | 11,456 | 20,350 | ,202 | -59,571 | 7,368 |
| Sudoku\_NS | -28,852 | 12,229 | 19,738 | ,172 | -64,698 | 6,994 |
| Sudoku\_NS | MR\_NS | 52,504\* | 12,335 | 20,540 | ,002 | 16,501 | 88,507 |
| BSK\_S | 2,750 | 12,507 | 20,092 | 1,000 | -33,840 | 39,340 |
| MF\_NS | 28,852 | 12,229 | 19,738 | ,172 | -6,994 | 64,698 |
| TLD2 | MR\_NS | BSK\_S | -59,137\* | 5,591 | 20,254 | ,000 | -75,481 | -42,793 |
| MF\_NS | -24,878\* | 6,238 | 21,132 | ,004 | -43,030 | -6,725 |
| Sudoku\_NS | -60,176\* | 6,173 | 20,696 | ,000 | -78,178 | -42,174 |
| BSK\_S | MR\_NS | 59,137\* | 5,591 | 20,254 | ,000 | 42,793 | 75,481 |
| MF\_NS | 34,259\* | 5,730 | 20,401 | ,000 | 17,522 | 50,996 |
| Sudoku\_NS | -1,039 | 6,259 | 20,183 | 1,000 | -19,341 | 17,263 |
| MF\_NS | MR\_NS | 24,878\* | 6,238 | 21,132 | ,004 | 6,725 | 43,030 |
| BSK\_S | -34,259\* | 5,730 | 20,401 | ,000 | -50,996 | -17,522 |
| Sudoku\_NS | -35,298\* | 6,119 | 19,893 | ,000 | -53,219 | -17,377 |
| Sudoku\_NS | MR\_NS | 60,176\* | 6,173 | 20,696 | ,000 | 42,174 | 78,178 |
| BSK\_S | 1,039 | 6,259 | 20,183 | 1,000 | -17,263 | 19,341 |
| MF\_NS | 35,298\* | 6,119 | 19,893 | ,000 | 17,377 | 53,219 |
| TDD1 | MR\_NS | BSK\_S | 111,574\* | 8,258 | 20,119 | ,000 | 87,418 | 135,731 |
| MF\_NS | 20,490 | 9,216 | 20,961 | ,224 | -6,352 | 47,332 |
| Sudoku\_NS | 119,014\* | 9,114 | 20,563 | ,000 | 92,414 | 145,614 |
| BSK\_S | MR\_NS | -111,574\* | 8,258 | 20,119 | ,000 | -135,731 | -87,418 |
| MF\_NS | -91,085\* | 8,465 | 20,261 | ,000 | -115,829 | -66,340 |
| Sudoku\_NS | 7,440 | 9,240 | 19,979 | 1,000 | -19,608 | 34,488 |
| MF\_NS | MR\_NS | -20,490 | 9,216 | 20,961 | ,224 | -47,332 | 6,352 |
| BSK\_S | 91,085\* | 8,465 | 20,261 | ,000 | 66,340 | 115,829 |
| Sudoku\_NS | 98,525\* | 9,034 | 19,771 | ,000 | 72,048 | 125,001 |
| Sudoku\_NS | MR\_NS | -119,014\* | 9,114 | 20,563 | ,000 | -145,614 | -92,414 |
| BSK\_S | -7,440 | 9,240 | 19,979 | 1,000 | -34,488 | 19,608 |
| MF\_NS | -98,525\* | 9,034 | 19,771 | ,000 | -125,001 | -72,048 |
| TDD2 | MR\_NS | BSK\_S | -44,072\* | 3,291 | 20,156 | ,000 | -53,697 | -34,446 |
| MF\_NS | 56,082\* | 3,675 | 21,054 | ,000 | 45,384 | 66,780 |
| Sudoku\_NS | -19,399\* | 3,632 | 20,581 | ,000 | -29,998 | -8,800 |
| BSK\_S | MR\_NS | 44,072\* | 3,291 | 20,156 | ,000 | 34,446 | 53,697 |
| MF\_NS | 100,154\* | 3,375 | 20,343 | ,000 | 90,291 | 110,016 |
| Sudoku\_NS | 24,672\* | 3,683 | 20,034 | ,000 | 13,894 | 35,451 |
| MF\_NS | MR\_NS | -56,082\* | 3,675 | 21,054 | ,000 | -66,780 | -45,384 |
| BSK\_S | -100,154\* | 3,375 | 20,343 | ,000 | -110,016 | -90,291 |
| Sudoku\_NS | -75,481\* | 3,602 | 19,838 | ,000 | -86,035 | -64,928 |
| Sudoku\_NS | MR\_NS | 19,399\* | 3,632 | 20,581 | ,000 | 8,800 | 29,998 |
| BSK\_S | -24,672\* | 3,683 | 20,034 | ,000 | -35,451 | -13,894 |
| MF\_NS | 75,481\* | 3,602 | 19,838 | ,000 | 64,928 | 86,035 |
| Se basa en medias marginales estimadas | | | | | | | | |
| \*. La diferencia de medias es significativa en el nivel ,05. | | | | | | | | |
| a. Variable dependiente: Productividad. | | | | | | | | |
| c. Ajuste para varias comparaciones: Bonferroni. | | | | | | | | |

**5.4 Pruebas de Normalidad**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pruebas de normalidad** | | | | | | |
|  | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
| Estadístico | gl | Sig. | Estadístico | gl | Sig. |
| Residuos | ,091 | 57 | ,200\* | ,984 | 57 | ,641 |
| \*. Esto es un límite inferior de la significación verdadera. | | | | | | |
| a. Corrección de significación de Lilliefors | | | | | | |

1. **Modelo Mixto: Hay medidas repetidas (AR1)**
   1. **AIC**

|  |  |
| --- | --- |
| **Criterios de informacióna** | |
| Logaritmo de la verosimilitud -2 | 495,210 |
| Criterio de información Akaike (AIC) | 531,210 |
| Criterio de Hurvich y Tsai (AICC) | 549,210 |
| Criterio de Bozdogan (CAIC) | 585,985 |
| Criterio bayesiano de Schwarz (BIC) | 567,985 |
| Los criterios de información se visualizan en el formato cuanto más pequeño mejor. | |
| a. Variable dependiente: Productividad. | |

**6.2 Efectos fijos**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pruebas de efectos fijos de tipo IIIa** | | | | |
| Origen | gl de numerador | gl de denominador | F | Sig. |
| Intersección | 1 | 13,878 | 56,678 | ,000 |
| DevAppr1 | 3 | 37,464 | 1,597 | ,206 |
| Tarea1 | 3 | 39,594 | 32,487 | ,000 |
| Tarea1 \* DevAppr1 | 9 | 43,134 | 1,034 | ,430 |
| a. Variable dependiente: Productividad. | | | | |

**6.3 Comparación por parejas**

**Tarea**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Comparaciones por parejasa** | | | | | | | |
| (I) Task | (J) Task | Diferencia de medias (I-J) | Desv. Error | gl | Sig.c | 95% de intervalo de confianza para diferenciac | |
| Límite inferior | Límite superior |
| MR\_NS | BSK\_S | -50,183\* | 5,521 | 40,105 | ,000 | -65,505 | -34,861 |
| MF\_NS | -13,085 | 5,514 | 40,707 | ,135 | -28,376 | 2,207 |
| Sudoku\_NS | -39,644\* | 5,639 | 39,130 | ,000 | -55,315 | -23,973 |
| BSK\_S | MR\_NS | 50,183\* | 5,521 | 40,105 | ,000 | 34,861 | 65,505 |
| MF\_NS | 37,098\* | 5,856 | 42,719 | ,000 | 20,896 | 53,301 |
| Sudoku\_NS | 10,539 | 5,600 | 36,489 | ,407 | -5,085 | 26,163 |
| MF\_NS | MR\_NS | 13,085 | 5,514 | 40,707 | ,135 | -2,207 | 28,376 |
| BSK\_S | -37,098\* | 5,856 | 42,719 | ,000 | -53,301 | -20,896 |
| Sudoku\_NS | -26,559\* | 6,100 | 39,462 | ,001 | -43,505 | -9,614 |
| Sudoku\_NS | MR\_NS | 39,644\* | 5,639 | 39,130 | ,000 | 23,973 | 55,315 |
| BSK\_S | -10,539 | 5,600 | 36,489 | ,407 | -26,163 | 5,085 |
| MF\_NS | 26,559\* | 6,100 | 39,462 | ,001 | 9,614 | 43,505 |
| Se basa en medias marginales estimadas | | | | | | | |
| \*. La diferencia de medias es significativa en el nivel ,05. | | | | | | | |
| a. Variable dependiente: Productividad. | | | | | | | |
| c. Ajuste para varias comparaciones: Bonferroni. | | | | | | | |

**6.4 Pruebas de Normalidad**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pruebas de normalidad** | | | | | | |
|  | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
| Estadístico | gl | Sig. | Estadístico | gl | Sig. |
| Residuos | ,133 | 57 | ,014 | ,956 | 57 | ,036 |
| a. Corrección de significación de Lilliefors | | | | | | |