*Logic Specification Template*

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| **Student** | José González Ayerdi | **Program #** | 6 |

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| **Class Name** | Metricas.java |

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| **Design** | OST de la página 1 |
| **References** | FST de la página 1 |
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| **Method Name** | Main |

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| **Parameters** | String: args[] |
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| Desplegar en pantalla: |
| Significancia = valor con 10 decimales |
| Rango = valor con 5 decimales |
| Límite superior = valor con 5 decimales |
| Límite inferior = valor con 5 decimales |
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| **Class Name** | DistribucionT.java |

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| **Design** | OST de la página 1 |
| **References** | FST de la página 1 |
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| **Class Name** | Calculadora.java |

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| **Design** | OST de la página 1 |
| **References** | FST de la página 2 |
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| **Method Name** | getXSig |

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| **Parameters** | Ninguno |
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| --- |
| Regresar ( abs( valor de r ) \* reizCuadrada(n - 2) ) / raízCuadrada(1 – r^2); |

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| **Class Name** | Calculadora.java |

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| **Design** | OST de la página 1 |
| **References** | FST de la página 2 |
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| --- | --- |
| **Method Name** | getSig |

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| **Parameters** | Ninguno |
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| Regresar: 1 - 2 \* (integral de la distribución T con 10 segmentos); |

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| --- | --- |
| **Class Name** | Calculadora.java |

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| **Design** | OST de la página 1 |
| **References** | FST de la página 2 |
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| --- | --- |
| **Method Name** | getRango |

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| --- | --- |
| **Parameters** | Ninguno |
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| Regresar: (x de la distribución T para una P de 0.35) \* sigma \* (tercer factor del rango) |

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| **Class Name** | Calculadora.java |

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| **Design** | OST de la página 1 |
| **References** | FST de la página 2 |
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| --- | --- |
| **Method Name** | getSigma |

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| --- | --- |
| **Parameters** | Ninguno |
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| Desde 0 hasta la cantidad de parejas – 1 hacer: |
| acumulado = acumulado + ( parejaYsub\_i – beta0 – beta1 \* parejaXsub\_i )^2 |
| Termina ciclo |
| Regresa: raízCuadrada( 1 / ( (n - 2) \* acumulado) ) |
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| --- | --- |
| **Class Name** | Calculadora.java |

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| **Design** | OST de la página 1 |
| **References** | FST de la página 2 |
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| --- | --- |
| **Method Name** | getFactorRango |

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| --- | --- |
| **Parameters** | Ninguno |
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| --- |
| Desde 0 hasta la cantidad de parejas – 1 hacer: |
| acumulado = acumulado + ( parejaXsub\_i - promedioX )^2 |
| Termina ciclo |
| Regresa: raízCuadrada( 1 + 1 / n + ( Xk - promedioX )^2 / acumulado ) |
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| --- | --- |
| **Class Name** | Calculadora.java |

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| **Design** | OST de la página 1 |
| **References** | FST de la página 2 |
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| --- | --- |
| **Method Name** | getUPI |

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| --- | --- |
| **Parameters** | Ninguno |
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| Regresa: Yk + rango |
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| --- | --- |
| **Class Name** | Calculadora.java |

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| **Design** | OST de la página 1 |
| **References** | FST de la página 2 |
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|  |  |
| --- | --- |
| **Method Name** | getUPI |

|  |  |
| --- | --- |
| **Parameters** | Ninguno |
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| Regresa: Yk - rango |