

Caso practico 2

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- a) Importar el fichero stressEchoMale.csv que corresponde a los datos de los hombres y guardarlos en un data frame llamado stressEchoMaleData.

```
stressEchoMaleData <-  
  read.csv('/Users/sudup/OneDrive/Documentos/UOC MATERIALES/SOFTWARE/LAB1_datos/SAD_LAB1_datos/stressEchoMaleData.csv')
```

- b) Importar el fichero stressEchoFem.dta que corresponde a los datos de las mujeres y guardarlos en un data frame llamado stressEchoFemaleData.

```
library(foreign)  
stressEchoFemaleData <-  
  read.dta('/Users/sudup/OneDrive/Documentos/UOC MATERIALES/SOFTWARE/LAB1_datos/SAD_LAB1_datos/stressEchoFemaleData.dta')  
stressEchoFemaleData
```

| ## | idPatient | pkhr | dose | maxhr | age | gender | newMI | newPTCA | newCABG | death | hxofCig |
|-------|-----------|------|------|-------|-----|--------|-------|---------|---------|-------|------------|
| ## 1 | 4 | 118 | 30 | 118 | 57 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 2 | 7 | 98 | 40 | 98 | 81 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 3 | 8 | 144 | 40 | 144 | 90 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 4 | 9 | 115 | 40 | 113 | 81 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 5 | 11 | 171 | 40 | 171 | 61 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 6 | 14 | 110 | 40 | 110 | 29 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 7 | 15 | 110 | 40 | 110 | 71 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 8 | 16 | 134 | 40 | 136 | 63 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 9 | 17 | 128 | 25 | 128 | 90 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 10 | 18 | 79 | 20 | 96 | 47 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 11 | 19 | 114 | 20 | 114 | 65 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 12 | 20 | 111 | 20 | 89 | 81 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 13 | 22 | 122 | 25 | 122 | 83 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 14 | 23 | 141 | 25 | 141 | 91 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 15 | 24 | 144 | 35 | 144 | 59 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 16 | 25 | 95 | 15 | 95 | 84 | female | 0 | 1 | 0 | 0 | non-smoker |
| ## 17 | 28 | 125 | 40 | 113 | 74 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 18 | 30 | 154 | 40 | 146 | 26 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 19 | 31 | 84 | 40 | 84 | 72 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 20 | 35 | 129 | 25 | 129 | 42 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 21 | 36 | 131 | 25 | 131 | 67 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 22 | 37 | 167 | 25 | 151 | 47 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 23 | 38 | 122 | 40 | 122 | 46 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 24 | 39 | 130 | 30 | 130 | 69 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 25 | 40 | 127 | 30 | 127 | 52 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 26 | 43 | 92 | 40 | 113 | 74 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 27 | 45 | 112 | 40 | 113 | 53 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 28 | 46 | 117 | 20 | 117 | 60 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 29 | 47 | 110 | 40 | 110 | 70 | female | 0 | 0 | 0 | 0 | non-smoker |

| | | | | | | | | | | | |
|-------|-----|-----|----|-----|----|--------|---|---|---|---|------------|
| ## 30 | 48 | 119 | 20 | 119 | 70 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 31 | 49 | 116 | 25 | 116 | 76 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 32 | 50 | 86 | 35 | 104 | 87 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 33 | 51 | 146 | 30 | 146 | 41 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 34 | 52 | 113 | 40 | 108 | 83 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 35 | 53 | 143 | 35 | 143 | 73 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 36 | 54 | 105 | 35 | 105 | 76 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 37 | 56 | 142 | 30 | 142 | 83 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 38 | 57 | 166 | 30 | 166 | 88 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 39 | 59 | 123 | 30 | 123 | 69 | female | 0 | 0 | 1 | 0 | non-smoker |
| ## 40 | 61 | 170 | 25 | 170 | 64 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 41 | 62 | 151 | 40 | 151 | 69 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 42 | 63 | 107 | 35 | 103 | 76 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 43 | 66 | 108 | 40 | 108 | 83 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 44 | 68 | 120 | 25 | 120 | 74 | female | 0 | 1 | 0 | 0 | non-smoker |
| ## 45 | 71 | 140 | 30 | 143 | 72 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 46 | 72 | 110 | 40 | 110 | 62 | female | 0 | 1 | 0 | 0 | non-smoker |
| ## 47 | 73 | 137 | 35 | 137 | 82 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 48 | 75 | 140 | 40 | 140 | 77 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 49 | 78 | 107 | 30 | 107 | 70 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 50 | 81 | 142 | 20 | 142 | 67 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 51 | 82 | 131 | 20 | 131 | 59 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 52 | 87 | 91 | 35 | 91 | 82 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 53 | 89 | 182 | 15 | 182 | 64 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 54 | 90 | 123 | 30 | 123 | 64 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 55 | 91 | 129 | 25 | 108 | 65 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 56 | 93 | 129 | 15 | 129 | 72 | female | 1 | 1 | 1 | 0 | non-smoker |
| ## 57 | 94 | 94 | 20 | 94 | 71 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 58 | 95 | 117 | 40 | 117 | 57 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 59 | 96 | 138 | 40 | 138 | 54 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 60 | 97 | 128 | 40 | 125 | 70 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 61 | 98 | 146 | 30 | 146 | 70 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 62 | 100 | 116 | 35 | 120 | 47 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 63 | 101 | 99 | 40 | 96 | 77 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 64 | 102 | 132 | 30 | 132 | 47 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 65 | 105 | 145 | 40 | 145 | 52 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 66 | 106 | 132 | 35 | 126 | 69 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 67 | 107 | 88 | 40 | 84 | 72 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 68 | 108 | 100 | 40 | 100 | 65 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 69 | 109 | 126 | 40 | 126 | 85 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 70 | 110 | 147 | 20 | 147 | 88 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 71 | 111 | 94 | 40 | 94 | 63 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 72 | 112 | 97 | 30 | 97 | 56 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 73 | 113 | 94 | 40 | 93 | 64 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 74 | 114 | 105 | 10 | 105 | 58 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 75 | 115 | 102 | 30 | 100 | 83 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 76 | 116 | 144 | 30 | 142 | 28 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 77 | 117 | 132 | 35 | 132 | 52 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 78 | 118 | 122 | 25 | 122 | 67 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 79 | 119 | 114 | 40 | 114 | 78 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 80 | 120 | 156 | 40 | 156 | 73 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 81 | 122 | 140 | 25 | 103 | 85 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 82 | 123 | 91 | 40 | 97 | 72 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 83 | 126 | 116 | 40 | 116 | 54 | female | 0 | 0 | 0 | 0 | non-smoker |

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|--------|-----|-----|----|-----|----|--------|---|---|---|---|------------|
| ## 84 | 127 | 116 | 40 | 116 | 60 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 85 | 128 | 123 | 30 | 123 | 58 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 86 | 129 | 112 | 40 | 112 | 79 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 87 | 130 | 123 | 40 | 123 | 73 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 88 | 131 | 125 | 40 | 114 | 71 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 89 | 133 | 107 | 25 | 107 | 90 | female | 1 | 1 | 0 | 0 | non-smoker |
| ## 90 | 134 | 142 | 35 | 129 | 74 | female | 0 | 0 | 0 | 1 | non-smoker |
| ## 91 | 135 | 117 | 35 | 117 | 70 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 92 | 136 | 101 | 35 | 133 | 54 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 93 | 137 | 88 | 40 | 88 | 59 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 94 | 138 | 84 | 40 | 84 | 67 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 95 | 139 | 92 | 40 | 92 | 56 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 96 | 140 | 92 | 35 | 88 | 79 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 97 | 141 | 110 | 30 | 110 | 57 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 98 | 143 | 104 | 40 | 104 | 85 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 99 | 144 | 133 | 40 | 133 | 61 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 100 | 145 | 126 | 40 | 125 | 77 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 101 | 146 | 135 | 30 | 135 | 77 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 102 | 147 | 94 | 40 | 88 | 68 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 103 | 148 | 128 | 30 | 128 | 52 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 104 | 149 | 123 | 40 | 123 | 60 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 105 | 150 | 127 | 30 | 109 | 64 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 106 | 151 | 133 | 20 | 126 | 77 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 107 | 152 | 82 | 25 | 82 | 66 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 108 | 153 | 62 | 40 | 62 | 59 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 109 | 157 | 110 | 40 | 102 | 54 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 110 | 158 | 102 | 40 | 102 | 69 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 111 | 159 | 132 | 30 | 132 | 64 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 112 | 160 | 148 | 40 | 148 | 57 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 113 | 162 | 107 | 15 | 107 | 73 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 114 | 163 | 116 | 40 | 116 | 61 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 115 | 164 | 141 | 15 | 141 | 40 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 116 | 166 | 142 | 20 | 142 | 73 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 117 | 167 | 84 | 40 | 84 | 48 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 118 | 168 | 82 | 35 | 82 | 59 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 119 | 169 | 123 | 25 | 101 | 69 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 120 | 170 | 130 | 20 | 130 | 69 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 121 | 171 | 102 | 40 | 102 | 71 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 122 | 172 | 128 | 30 | 128 | 86 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 123 | 173 | 142 | 40 | 142 | 73 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 124 | 174 | 80 | 40 | 80 | 85 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 125 | 175 | 121 | 25 | 139 | 57 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 126 | 176 | 118 | 25 | 91 | 77 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 127 | 177 | 115 | 15 | 115 | 81 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 128 | 179 | 126 | 30 | 126 | 75 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 129 | 180 | 118 | 20 | 118 | 88 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 130 | 181 | 147 | 20 | 147 | 58 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 131 | 183 | 142 | 25 | 142 | 69 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 132 | 184 | 133 | 20 | 133 | 81 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 133 | 185 | 75 | 40 | 73 | 64 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 134 | 186 | 90 | 35 | 110 | 82 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 135 | 187 | 121 | 30 | 111 | 67 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 136 | 192 | 84 | 40 | 80 | 74 | female | 0 | 0 | 0 | 0 | non-smoker |
| ## 137 | 193 | 131 | 20 | 131 | 51 | female | 0 | 0 | 0 | 0 | non-smoker |

| | | | | | | | | | | |
|--------|-----|-----|----|-----|----|--------|---|---|---|--------------|
| ## 138 | 194 | 141 | 30 | 124 | 65 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 139 | 195 | 117 | 40 | 110 | 50 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 140 | 196 | 98 | 15 | 98 | 84 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 141 | 197 | 102 | 20 | 102 | 86 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 142 | 198 | 132 | 20 | 120 | 55 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 143 | 199 | 125 | 40 | 104 | 68 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 144 | 200 | 125 | 40 | 111 | 78 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 145 | 201 | 159 | 40 | 158 | 54 | female | 0 | 0 | 1 | 0 non-smoker |
| ## 146 | 202 | 120 | 40 | 120 | 75 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 147 | 203 | 119 | 20 | 119 | 89 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 148 | 206 | 145 | 40 | 145 | 62 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 149 | 207 | 146 | 40 | 131 | 73 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 150 | 208 | 153 | 30 | 141 | 47 | female | 1 | 0 | 0 | 0 non-smoker |
| ## 151 | 210 | 113 | 35 | 94 | 74 | female | 0 | 0 | 0 | 1 non-smoker |
| ## 152 | 211 | 104 | 40 | 104 | 67 | female | 0 | 0 | 1 | 0 non-smoker |
| ## 153 | 212 | 106 | 40 | 129 | 63 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 154 | 213 | 98 | 20 | 98 | 69 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 155 | 214 | 109 | 35 | 101 | 67 | female | 1 | 0 | 0 | 0 non-smoker |
| ## 156 | 216 | 141 | 40 | 143 | 74 | female | 0 | 0 | 0 | 1 non-smoker |
| ## 157 | 219 | 132 | 40 | 132 | 55 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 158 | 221 | 147 | 40 | 147 | 63 | female | 1 | 0 | 0 | 0 non-smoker |
| ## 159 | 222 | 131 | 40 | 123 | 70 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 160 | 223 | 96 | 40 | 96 | 83 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 161 | 226 | 133 | 35 | 121 | 65 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 162 | 227 | 90 | 40 | 90 | 68 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 163 | 228 | 92 | 25 | 92 | 88 | female | 1 | 0 | 0 | 0 non-smoker |
| ## 164 | 229 | 112 | 40 | 99 | 61 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 165 | 230 | 152 | 30 | 149 | 76 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 166 | 232 | 130 | 25 | 130 | 80 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 167 | 234 | 131 | 40 | 131 | 48 | female | 1 | 0 | 0 | 0 non-smoker |
| ## 168 | 237 | 120 | 40 | 117 | 39 | female | 0 | 0 | 1 | 0 non-smoker |
| ## 169 | 238 | 99 | 40 | 99 | 68 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 170 | 239 | 102 | 40 | 102 | 69 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 171 | 240 | 111 | 40 | 116 | 76 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 172 | 241 | 104 | 20 | 110 | 66 | female | 0 | 1 | 0 | 0 non-smoker |
| ## 173 | 242 | 128 | 35 | 128 | 67 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 174 | 243 | 113 | 40 | 101 | 59 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 175 | 244 | 118 | 30 | 129 | 70 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 176 | 245 | 118 | 40 | 117 | 71 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 177 | 246 | 121 | 15 | 114 | 73 | female | 1 | 0 | 1 | 1 non-smoker |
| ## 178 | 247 | 85 | 40 | 102 | 67 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 179 | 249 | 86 | 40 | 86 | 68 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 180 | 250 | 89 | 40 | 89 | 84 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 181 | 252 | 127 | 30 | 122 | 78 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 182 | 253 | 107 | 40 | 107 | 70 | female | 0 | 1 | 0 | 0 non-smoker |
| ## 183 | 255 | 156 | 40 | 157 | 63 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 184 | 257 | 116 | 40 | 116 | 82 | female | 1 | 0 | 0 | 1 non-smoker |
| ## 185 | 259 | 133 | 25 | 131 | 29 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 186 | 260 | 100 | 25 | 100 | 60 | female | 1 | 0 | 0 | 1 non-smoker |
| ## 187 | 262 | 126 | 30 | 126 | 60 | female | 0 | 1 | 0 | 0 non-smoker |
| ## 188 | 264 | 108 | 25 | 108 | 79 | female | 0 | 1 | 1 | 0 non-smoker |
| ## 189 | 265 | 132 | 20 | 120 | 67 | female | 0 | 0 | 0 | 0 non-smoker |
| ## 190 | 268 | 91 | 40 | 91 | 85 | female | 0 | 1 | 1 | 0 non-smoker |
| ## 191 | 270 | 167 | 20 | 167 | 65 | female | 0 | 0 | 0 | 0 non-smoker |

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|--------|-----|-----|----|-----|-----------|---|---|---|--------------|
| ## 192 | 271 | 127 | 40 | 127 | 85 female | 0 | 0 | 0 | 0 non-smoker |
| ## 193 | 272 | 107 | 30 | 106 | 75 female | 1 | 0 | 0 | 0 non-smoker |
| ## 194 | 275 | 144 | 30 | 144 | 64 female | 0 | 0 | 0 | 0 moderate |
| ## 195 | 276 | 134 | 40 | 134 | 77 female | 0 | 0 | 0 | 0 moderate |
| ## 196 | 278 | 127 | 20 | 127 | 85 female | 0 | 0 | 0 | 0 moderate |
| ## 197 | 280 | 124 | 35 | 124 | 68 female | 0 | 0 | 0 | 0 moderate |
| ## 198 | 281 | 149 | 40 | 149 | 78 female | 0 | 0 | 0 | 0 moderate |
| ## 199 | 283 | 144 | 35 | 144 | 68 female | 0 | 0 | 0 | 0 moderate |
| ## 200 | 286 | 125 | 40 | 124 | 62 female | 0 | 0 | 0 | 0 moderate |
| ## 201 | 289 | 61 | 25 | 104 | 76 female | 0 | 0 | 0 | 0 moderate |
| ## 202 | 290 | 140 | 35 | 140 | 59 female | 0 | 0 | 0 | 0 moderate |
| ## 203 | 291 | 131 | 40 | 131 | 47 female | 0 | 0 | 0 | 0 moderate |
| ## 204 | 292 | 157 | 30 | 157 | 83 female | 0 | 0 | 0 | 0 moderate |
| ## 205 | 295 | 137 | 40 | 137 | 70 female | 0 | 0 | 0 | 0 moderate |
| ## 206 | 296 | 121 | 40 | 121 | 55 female | 0 | 0 | 0 | 0 moderate |
| ## 207 | 314 | 122 | 40 | 120 | 63 female | 0 | 0 | 0 | 0 moderate |
| ## 208 | 317 | 117 | 20 | 112 | 67 female | 0 | 0 | 0 | 0 moderate |
| ## 209 | 320 | 102 | 30 | 102 | 83 female | 0 | 0 | 0 | 0 moderate |
| ## 210 | 321 | 116 | 40 | 116 | 68 female | 0 | 0 | 0 | 0 moderate |
| ## 211 | 322 | 128 | 40 | 128 | 71 female | 0 | 0 | 0 | 0 moderate |
| ## 212 | 323 | 138 | 35 | 138 | 45 female | 0 | 0 | 0 | 0 moderate |
| ## 213 | 324 | 125 | 30 | 115 | 50 female | 0 | 0 | 0 | 0 moderate |
| ## 214 | 325 | 122 | 40 | 122 | 67 female | 0 | 0 | 0 | 0 moderate |
| ## 215 | 327 | 75 | 40 | 75 | 75 female | 0 | 0 | 0 | 0 moderate |
| ## 216 | 328 | 129 | 30 | 129 | 53 female | 0 | 0 | 0 | 0 moderate |
| ## 217 | 330 | 115 | 40 | 115 | 49 female | 0 | 0 | 0 | 0 moderate |
| ## 218 | 333 | 142 | 35 | 132 | 65 female | 0 | 0 | 0 | 0 moderate |
| ## 219 | 334 | 144 | 40 | 145 | 69 female | 0 | 0 | 0 | 0 moderate |
| ## 220 | 335 | 96 | 35 | 91 | 68 female | 0 | 0 | 0 | 0 moderate |
| ## 221 | 337 | 142 | 40 | 142 | 59 female | 0 | 0 | 0 | 0 moderate |
| ## 222 | 339 | 134 | 20 | 132 | 34 female | 0 | 0 | 0 | 0 moderate |
| ## 223 | 341 | 154 | 30 | 158 | 74 female | 0 | 0 | 0 | 1 moderate |
| ## 224 | 343 | 82 | 40 | 82 | 55 female | 0 | 0 | 1 | 0 moderate |
| ## 225 | 346 | 68 | 15 | 68 | 71 female | 0 | 0 | 0 | 0 moderate |
| ## 226 | 347 | 112 | 40 | 116 | 64 female | 0 | 0 | 0 | 0 moderate |
| ## 227 | 350 | 128 | 40 | 128 | 33 female | 0 | 0 | 0 | 0 moderate |
| ## 228 | 352 | 103 | 35 | 103 | 79 female | 0 | 0 | 0 | 0 moderate |
| ## 229 | 353 | 117 | 25 | 117 | 69 female | 0 | 0 | 0 | 0 moderate |
| ## 230 | 356 | 144 | 25 | 144 | 75 female | 0 | 0 | 0 | 0 moderate |
| ## 231 | 359 | 99 | 20 | 99 | 82 female | 0 | 0 | 0 | 0 moderate |
| ## 232 | 361 | 145 | 25 | 145 | 66 female | 0 | 0 | 0 | 0 moderate |
| ## 233 | 362 | 129 | 25 | 129 | 59 female | 0 | 0 | 0 | 0 moderate |
| ## 234 | 363 | 129 | 40 | 124 | 71 female | 0 | 0 | 0 | 0 moderate |
| ## 235 | 365 | 104 | 40 | 104 | 59 female | 0 | 0 | 0 | 0 moderate |
| ## 236 | 366 | 124 | 20 | 124 | 79 female | 0 | 0 | 0 | 0 moderate |
| ## 237 | 371 | 85 | 25 | 84 | 77 female | 0 | 0 | 0 | 0 moderate |
| ## 238 | 373 | 97 | 25 | 97 | 74 female | 0 | 0 | 0 | 1 moderate |
| ## 239 | 374 | 101 | 30 | 101 | 66 female | 0 | 0 | 0 | 0 moderate |
| ## 240 | 375 | 120 | 40 | 120 | 71 female | 0 | 0 | 0 | 0 moderate |
| ## 241 | 376 | 128 | 40 | 128 | 85 female | 0 | 0 | 0 | 0 moderate |
| ## 242 | 377 | 116 | 25 | 116 | 76 female | 0 | 0 | 0 | 0 moderate |
| ## 243 | 379 | 168 | 20 | 168 | 70 female | 1 | 0 | 0 | 1 moderate |
| ## 244 | 380 | 121 | 40 | 121 | 85 female | 0 | 1 | 0 | 0 moderate |
| ## 245 | 387 | 111 | 35 | 111 | 66 female | 1 | 0 | 0 | 0 moderate |

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|--------|-----|-----|----|-----|-----------|---|---|---|---|----------|
| ## 246 | 389 | 124 | 15 | 124 | 49 female | 0 | 0 | 0 | 0 | moderate |
| ## 247 | 392 | 81 | 20 | 81 | 66 female | 0 | 0 | 0 | 0 | moderate |
| ## 248 | 393 | 122 | 40 | 124 | 73 female | 0 | 0 | 0 | 0 | moderate |
| ## 249 | 394 | 118 | 40 | 113 | 66 female | 0 | 0 | 0 | 0 | moderate |
| ## 250 | 401 | 167 | 40 | 167 | 76 female | 0 | 0 | 0 | 0 | moderate |
| ## 251 | 404 | 150 | 35 | 149 | 53 female | 0 | 0 | 0 | 0 | moderate |
| ## 252 | 406 | 129 | 40 | 129 | 79 female | 0 | 0 | 0 | 1 | moderate |
| ## 253 | 410 | 101 | 25 | 101 | 66 female | 0 | 0 | 0 | 0 | moderate |
| ## 254 | 412 | 210 | 40 | 200 | 68 female | 0 | 0 | 0 | 0 | heavy |
| ## 255 | 415 | 102 | 40 | 102 | 43 female | 0 | 0 | 0 | 0 | heavy |
| ## 256 | 417 | 128 | 40 | 128 | 69 female | 0 | 0 | 0 | 0 | heavy |
| ## 257 | 418 | 133 | 40 | 135 | 70 female | 0 | 0 | 0 | 0 | heavy |
| ## 258 | 419 | 156 | 40 | 156 | 52 female | 0 | 0 | 0 | 0 | heavy |
| ## 259 | 422 | 151 | 40 | 151 | 34 female | 0 | 0 | 0 | 0 | heavy |
| ## 260 | 423 | 132 | 40 | 132 | 60 female | 0 | 0 | 0 | 0 | heavy |
| ## 261 | 425 | 92 | 15 | 92 | 48 female | 0 | 0 | 0 | 0 | heavy |
| ## 262 | 426 | 136 | 40 | 136 | 64 female | 0 | 0 | 0 | 0 | heavy |
| ## 263 | 427 | 159 | 40 | 159 | 53 female | 0 | 0 | 0 | 0 | heavy |
| ## 264 | 429 | 145 | 15 | 133 | 73 female | 0 | 0 | 0 | 0 | heavy |
| ## 265 | 431 | 131 | 40 | 124 | 65 female | 0 | 0 | 0 | 0 | heavy |
| ## 266 | 432 | 140 | 40 | 140 | 62 female | 0 | 0 | 0 | 0 | heavy |
| ## 267 | 433 | 125 | 30 | 111 | 77 female | 0 | 0 | 0 | 1 | heavy |
| ## 268 | 434 | 114 | 15 | 114 | 67 female | 0 | 0 | 0 | 0 | heavy |
| ## 269 | 435 | 151 | 30 | 151 | 49 female | 0 | 1 | 0 | 0 | heavy |
| ## 270 | 437 | 98 | 20 | 82 | 85 female | 1 | 0 | 0 | 0 | heavy |
| ## 271 | 438 | 108 | 40 | 108 | 69 female | 0 | 0 | 0 | 0 | heavy |
| ## 272 | 439 | 106 | 40 | 109 | 66 female | 0 | 0 | 0 | 0 | heavy |
| ## 273 | 442 | 130 | 40 | 130 | 64 female | 0 | 0 | 0 | 0 | heavy |
| ## 274 | 446 | 112 | 40 | 112 | 73 female | 0 | 1 | 0 | 0 | heavy |
| ## 275 | 447 | 124 | 25 | 121 | 44 female | 0 | 0 | 0 | 0 | heavy |
| ## 276 | 448 | 143 | 40 | 125 | 72 female | 0 | 0 | 0 | 0 | heavy |
| ## 277 | 450 | 122 | 30 | 122 | 53 female | 0 | 1 | 0 | 0 | heavy |
| ## 278 | 452 | 155 | 40 | 155 | 60 female | 0 | 0 | 0 | 0 | heavy |
| ## 279 | 456 | 118 | 35 | 118 | 53 female | 0 | 0 | 0 | 0 | heavy |
| ## 280 | 457 | 130 | 30 | 122 | 50 female | 0 | 0 | 0 | 0 | heavy |
| ## 281 | 459 | 61 | 40 | 62 | 78 female | 0 | 0 | 0 | 0 | heavy |
| ## 282 | 460 | 75 | 40 | 75 | 52 female | 0 | 0 | 0 | 0 | heavy |
| ## 283 | 461 | 85 | 40 | 85 | 52 female | 0 | 0 | 0 | 0 | heavy |
| ## 284 | 464 | 123 | 25 | 133 | 72 female | 0 | 0 | 0 | 0 | heavy |
| ## 285 | 466 | 123 | 35 | 123 | 75 female | 0 | 0 | 0 | 0 | heavy |
| ## 286 | 467 | 149 | 40 | 149 | 76 female | 0 | 0 | 0 | 0 | heavy |
| ## 287 | 468 | 108 | 10 | 108 | 49 female | 0 | 0 | 0 | 0 | heavy |
| ## 288 | 471 | 100 | 35 | 120 | 76 female | 0 | 0 | 0 | 0 | heavy |
| ## 289 | 472 | 69 | 15 | 69 | 48 female | 0 | 0 | 0 | 0 | heavy |
| ## 290 | 474 | 66 | 40 | 66 | 63 female | 0 | 0 | 0 | 0 | heavy |
| ## 291 | 475 | 127 | 40 | 127 | 77 female | 0 | 0 | 0 | 0 | heavy |
| ## 292 | 476 | 126 | 35 | 120 | 39 female | 0 | 0 | 0 | 0 | heavy |
| ## 293 | 478 | 119 | 40 | 119 | 65 female | 0 | 0 | 0 | 0 | heavy |
| ## 294 | 480 | 70 | 30 | 105 | 71 female | 0 | 0 | 0 | 1 | heavy |
| ## 295 | 481 | 140 | 25 | 140 | 60 female | 0 | 0 | 0 | 0 | heavy |
| ## 296 | 483 | 96 | 15 | 96 | 73 female | 0 | 0 | 0 | 0 | heavy |
| ## 297 | 487 | 150 | 40 | 150 | 48 female | 0 | 0 | 0 | 0 | heavy |
| ## 298 | 488 | 110 | 40 | 110 | 82 female | 0 | 0 | 0 | 0 | heavy |
| ## 299 | 489 | 114 | 35 | 114 | 60 female | 1 | 0 | 0 | 0 | heavy |

```
## 300      492 145 40 138 83 female 0 0 0 0 heavy
## 301      494 97 40 118 67 female 0 0 0 0 heavy
## 302      495 126 40 123 85 female 0 0 0 0 heavy
## 303      498 110 40 110 90 female 0 0 0 0 heavy
## 304      500 94 25 97 79 female 1 0 1 0 heavy
## 305      502 133 25 133 62 female 0 0 0 0 heavy
## 306      504 126 25 126 83 female 0 0 0 0 heavy
## 307      505 111 20 111 54 female 0 0 0 0 heavy
## 308      508 113 40 113 72 female 0 0 0 0 heavy
## 309      509 133 40 126 72 female 0 0 0 0 heavy
## 310      512 137 40 144 62 female 0 0 1 0 heavy
## 311      516 130 35 113 59 female 0 0 0 0 heavy
## 312      517 144 40 144 67 female 0 0 0 1 heavy
## 313      520 115 35 115 62 female 0 1 0 1 heavy
## 314      521 114 40 114 77 female 0 0 0 0 heavy
## 315      522 131 15 123 56 female 0 1 0 0 heavy
## 316      524 91 15 77 53 female 0 0 0 0 heavy
## 317      525 154 35 154 64 female 0 0 0 0 heavy
## 318      526 117 40 114 69 female 0 0 0 0 heavy
## 319      527 119 40 116 71 female 0 0 1 0 heavy
## 320      531 134 40 115 64 female 0 0 0 0 heavy
## 321      532 137 40 145 73 female 0 0 0 0 heavy
## 322      534 152 25 150 72 female 0 0 0 0 non-smoker
## 323      535 121 40 121 76 female 0 0 0 0 non-smoker
## 324      537 138 20 138 60 female 0 0 0 0 non-smoker
## 325      538 94 40 94 75 female 0 0 0 0 non-smoker
## 326      540 116 40 116 78 female 0 0 0 0 non-smoker
## 327      541 134 20 134 59 female 0 0 0 0 non-smoker
## 328      543 105 40 113 70 female 0 0 0 0 non-smoker
## 329      545 138 40 124 59 female 0 0 0 0 non-smoker
## 330      546 85 40 85 72 female 0 0 0 0 non-smoker
## 331      548 74 40 74 68 female 0 0 0 0 non-smoker
## 332      549 132 40 134 57 female 0 0 0 0 non-smoker
## 333      550 110 20 107 79 female 0 0 0 0 non-smoker
## 334      551 132 40 132 79 female 0 0 0 0 non-smoker
## 335      552 88 30 118 70 female 0 0 0 0 non-smoker
## 336      553 160 15 160 64 female 0 0 0 0 non-smoker
## 337      557 107 40 106 70 female 0 0 0 1 non-smoker
## 338      558 161 40 156 56 female 0 0 0 0 non-smoker
```

c) Especificar cómo cambiaríais el directorio donde guardar los ficheros de datos y de código que generáis con R-Studio.

```
setwd('/Users/sudup/OneDrive/Documentos/UOC MATERIALES/SOFTWARE/')
```

d) Crear un data frame llamado stressEchoDataSet que contenga los datos de stressEchoMaleData y stressEchoFemaleData (Pista: podéis utilizar la función rbind()).

```
stressEchoDataSet <- rbind(stressechoMaledata, stressEchoFemaleData)
stressEchoDataSet
```

```
##      idPatient pkhr dose maxhr age gender newMI newPTCA newCABG death
## 1          1 114 40 100 85 male 0 0 0 0
## 2          2 120 40 120 73 male 1 0 0 0
## 3          3 120 40 120 73 male 1 0 0 0
## 4          5 129 40 129 34 male 0 0 0 0
```

| | | | | | | | | | | |
|-------|-----|-----|----|-----|----|------|---|---|---|---|
| ## 5 | 6 | 123 | 40 | 123 | 71 | male | 0 | 0 | 0 | 0 |
| ## 6 | 10 | 126 | 40 | 126 | 86 | male | 0 | 0 | 0 | 0 |
| ## 7 | 12 | 127 | 30 | 125 | 63 | male | 0 | 0 | 0 | 0 |
| ## 8 | 13 | 169 | 40 | 169 | 86 | male | 0 | 0 | 0 | 0 |
| ## 9 | 21 | 123 | 40 | 123 | 70 | male | 0 | 0 | 0 | 0 |
| ## 10 | 26 | 102 | 25 | 102 | 69 | male | 0 | 0 | 0 | 0 |
| ## 11 | 27 | 112 | 40 | 117 | 70 | male | 0 | 0 | 0 | 0 |
| ## 12 | 29 | 107 | 40 | 108 | 64 | male | 0 | 0 | 0 | 0 |
| ## 13 | 32 | 108 | 40 | 108 | 46 | male | 0 | 0 | 0 | 0 |
| ## 14 | 33 | 126 | 40 | 126 | 84 | male | 0 | 0 | 0 | 0 |
| ## 15 | 34 | 164 | 40 | 164 | 45 | male | 0 | 0 | 0 | 0 |
| ## 16 | 41 | 135 | 40 | 135 | 61 | male | 0 | 0 | 0 | 0 |
| ## 17 | 42 | 86 | 25 | 90 | 60 | male | 0 | 0 | 0 | 0 |
| ## 18 | 44 | 136 | 40 | 125 | 54 | male | 0 | 0 | 0 | 0 |
| ## 19 | 55 | 135 | 40 | 133 | 72 | male | 0 | 0 | 0 | 0 |
| ## 20 | 58 | 144 | 35 | 147 | 77 | male | 0 | 0 | 0 | 0 |
| ## 21 | 60 | 139 | 25 | 139 | 91 | male | 0 | 0 | 0 | 0 |
| ## 22 | 64 | 170 | 30 | 170 | 92 | male | 0 | 0 | 0 | 0 |
| ## 23 | 65 | 142 | 40 | 142 | 62 | male | 0 | 0 | 0 | 0 |
| ## 24 | 67 | 87 | 35 | 87 | 45 | male | 0 | 0 | 0 | 0 |
| ## 25 | 69 | 137 | 40 | 137 | 77 | male | 0 | 0 | 0 | 0 |
| ## 26 | 70 | 128 | 40 | 114 | 57 | male | 0 | 0 | 0 | 0 |
| ## 27 | 74 | 111 | 40 | 131 | 73 | male | 0 | 1 | 1 | 0 |
| ## 28 | 76 | 140 | 40 | 141 | 54 | male | 0 | 0 | 0 | 0 |
| ## 29 | 77 | 139 | 40 | 136 | 67 | male | 0 | 0 | 0 | 0 |
| ## 30 | 79 | 117 | 40 | 117 | 69 | male | 0 | 0 | 0 | 0 |
| ## 31 | 80 | 130 | 20 | 130 | 67 | male | 0 | 0 | 0 | 0 |
| ## 32 | 83 | 102 | 40 | 102 | 79 | male | 0 | 0 | 0 | 0 |
| ## 33 | 84 | 75 | 40 | 75 | 77 | male | 1 | 0 | 1 | 0 |
| ## 34 | 85 | 122 | 40 | 112 | 69 | male | 0 | 0 | 0 | 0 |
| ## 35 | 86 | 102 | 30 | 102 | 63 | male | 0 | 0 | 0 | 0 |
| ## 36 | 88 | 114 | 40 | 94 | 82 | male | 0 | 0 | 0 | 0 |
| ## 37 | 92 | 130 | 40 | 130 | 53 | male | 0 | 0 | 0 | 0 |
| ## 38 | 99 | 81 | 40 | 81 | 59 | male | 1 | 0 | 0 | 0 |
| ## 39 | 103 | 108 | 40 | 108 | 81 | male | 0 | 0 | 0 | 0 |
| ## 40 | 104 | 128 | 30 | 128 | 65 | male | 0 | 0 | 0 | 0 |
| ## 41 | 121 | 144 | 30 | 144 | 81 | male | 0 | 0 | 0 | 0 |
| ## 42 | 124 | 91 | 30 | 99 | 79 | male | 0 | 0 | 0 | 0 |
| ## 43 | 125 | 109 | 40 | 109 | 59 | male | 0 | 0 | 0 | 0 |
| ## 44 | 132 | 134 | 35 | 131 | 74 | male | 0 | 0 | 0 | 0 |
| ## 45 | 142 | 90 | 40 | 97 | 88 | male | 0 | 0 | 0 | 0 |
| ## 46 | 154 | 100 | 40 | 100 | 67 | male | 0 | 0 | 0 | 1 |
| ## 47 | 155 | 148 | 35 | 148 | 59 | male | 0 | 0 | 0 | 1 |
| ## 48 | 156 | 73 | 40 | 73 | 70 | male | 0 | 0 | 0 | 0 |
| ## 49 | 161 | 95 | 15 | 95 | 88 | male | 0 | 0 | 0 | 0 |
| ## 50 | 165 | 136 | 35 | 136 | 50 | male | 0 | 0 | 0 | 0 |
| ## 51 | 178 | 135 | 40 | 128 | 63 | male | 0 | 0 | 0 | 0 |
| ## 52 | 182 | 161 | 40 | 157 | 43 | male | 0 | 0 | 0 | 0 |
| ## 53 | 188 | 153 | 40 | 133 | 38 | male | 0 | 0 | 0 | 0 |
| ## 54 | 189 | 152 | 25 | 152 | 64 | male | 0 | 0 | 0 | 0 |
| ## 55 | 190 | 121 | 40 | 121 | 62 | male | 0 | 0 | 0 | 0 |
| ## 56 | 191 | 97 | 40 | 100 | 67 | male | 0 | 0 | 0 | 0 |
| ## 57 | 204 | 106 | 40 | 106 | 49 | male | 0 | 0 | 0 | 0 |
| ## 58 | 205 | 118 | 40 | 118 | 69 | male | 0 | 0 | 0 | 0 |

| | | | | | | | | | | |
|--------|-----|-----|----|-----|----|------|---|---|---|---|
| ## 59 | 209 | 136 | 20 | 136 | 55 | male | 1 | 0 | 0 | 0 |
| ## 60 | 215 | 130 | 40 | 127 | 71 | male | 0 | 0 | 0 | 0 |
| ## 61 | 217 | 122 | 25 | 122 | 74 | male | 0 | 0 | 0 | 0 |
| ## 62 | 218 | 109 | 25 | 109 | 78 | male | 0 | 0 | 0 | 0 |
| ## 63 | 220 | 118 | 40 | 114 | 75 | male | 0 | 0 | 0 | 0 |
| ## 64 | 224 | 132 | 25 | 131 | 50 | male | 0 | 0 | 0 | 0 |
| ## 65 | 225 | 116 | 40 | 104 | 74 | male | 0 | 0 | 0 | 0 |
| ## 66 | 231 | 113 | 40 | 113 | 74 | male | 0 | 0 | 0 | 0 |
| ## 67 | 233 | 66 | 40 | 62 | 70 | male | 0 | 1 | 0 | 0 |
| ## 68 | 235 | 144 | 40 | 144 | 91 | male | 0 | 0 | 0 | 0 |
| ## 69 | 236 | 118 | 20 | 118 | 71 | male | 0 | 1 | 0 | 0 |
| ## 70 | 248 | 129 | 40 | 129 | 67 | male | 0 | 0 | 0 | 0 |
| ## 71 | 251 | 104 | 40 | 104 | 69 | male | 0 | 0 | 0 | 0 |
| ## 72 | 254 | 110 | 40 | 88 | 81 | male | 0 | 0 | 0 | 0 |
| ## 73 | 256 | 117 | 35 | 113 | 87 | male | 0 | 0 | 1 | 0 |
| ## 74 | 258 | 97 | 40 | 97 | 66 | male | 0 | 0 | 0 | 0 |
| ## 75 | 261 | 95 | 15 | 95 | 66 | male | 0 | 0 | 1 | 0 |
| ## 76 | 263 | 109 | 15 | 109 | 71 | male | 0 | 1 | 1 | 0 |
| ## 77 | 266 | 97 | 40 | 93 | 63 | male | 0 | 0 | 1 | 0 |
| ## 78 | 267 | 132 | 40 | 133 | 78 | male | 0 | 0 | 0 | 0 |
| ## 79 | 269 | 109 | 40 | 103 | 49 | male | 0 | 0 | 0 | 0 |
| ## 80 | 273 | 139 | 20 | 140 | 79 | male | 0 | 0 | 0 | 0 |
| ## 81 | 274 | 125 | 40 | 123 | 88 | male | 0 | 0 | 0 | 0 |
| ## 82 | 277 | 82 | 40 | 82 | 57 | male | 0 | 0 | 0 | 0 |
| ## 83 | 279 | 125 | 15 | 125 | 65 | male | 0 | 0 | 0 | 0 |
| ## 84 | 282 | 132 | 40 | 132 | 83 | male | 0 | 0 | 0 | 1 |
| ## 85 | 284 | 168 | 15 | 168 | 66 | male | 0 | 0 | 0 | 0 |
| ## 86 | 285 | 151 | 40 | 151 | 86 | male | 0 | 0 | 0 | 0 |
| ## 87 | 287 | 129 | 40 | 128 | 65 | male | 0 | 0 | 0 | 0 |
| ## 88 | 288 | 120 | 40 | 120 | 82 | male | 0 | 0 | 0 | 0 |
| ## 89 | 293 | 136 | 25 | 128 | 67 | male | 0 | 0 | 0 | 0 |
| ## 90 | 294 | 163 | 40 | 163 | 50 | male | 0 | 0 | 0 | 0 |
| ## 91 | 297 | 143 | 35 | 143 | 72 | male | 0 | 0 | 0 | 0 |
| ## 92 | 298 | 155 | 40 | 155 | 74 | male | 0 | 0 | 0 | 0 |
| ## 93 | 299 | 168 | 15 | 168 | 70 | male | 0 | 0 | 0 | 0 |
| ## 94 | 300 | 133 | 40 | 133 | 75 | male | 0 | 0 | 0 | 0 |
| ## 95 | 301 | 122 | 40 | 123 | 54 | male | 0 | 0 | 0 | 0 |
| ## 96 | 302 | 142 | 40 | 142 | 58 | male | 0 | 0 | 0 | 0 |
| ## 97 | 303 | 114 | 40 | 104 | 72 | male | 0 | 0 | 0 | 0 |
| ## 98 | 304 | 115 | 40 | 120 | 30 | male | 0 | 0 | 0 | 0 |
| ## 99 | 305 | 98 | 40 | 98 | 82 | male | 0 | 0 | 0 | 0 |
| ## 100 | 306 | 110 | 40 | 110 | 73 | male | 0 | 0 | 0 | 0 |
| ## 101 | 307 | 114 | 40 | 114 | 67 | male | 0 | 0 | 0 | 0 |
| ## 102 | 308 | 127 | 40 | 123 | 62 | male | 0 | 0 | 0 | 0 |
| ## 103 | 309 | 154 | 25 | 154 | 68 | male | 0 | 0 | 0 | 0 |
| ## 104 | 310 | 115 | 40 | 120 | 59 | male | 0 | 0 | 0 | 0 |
| ## 105 | 311 | 95 | 40 | 98 | 71 | male | 0 | 0 | 1 | 0 |
| ## 106 | 312 | 149 | 40 | 149 | 75 | male | 0 | 0 | 1 | 0 |
| ## 107 | 313 | 114 | 40 | 114 | 93 | male | 0 | 0 | 0 | 0 |
| ## 108 | 315 | 127 | 40 | 121 | 62 | male | 0 | 0 | 0 | 0 |
| ## 109 | 316 | 80 | 15 | 80 | 89 | male | 0 | 0 | 0 | 0 |
| ## 110 | 318 | 126 | 40 | 126 | 81 | male | 0 | 0 | 0 | 0 |
| ## 111 | 319 | 119 | 35 | 119 | 70 | male | 0 | 0 | 0 | 0 |
| ## 112 | 326 | 110 | 40 | 110 | 59 | male | 0 | 0 | 0 | 0 |

| | | | | | | | | | | |
|--------|-----|-----|----|-----|----|------|---|---|---|---|
| ## 113 | 329 | 80 | 40 | 67 | 65 | male | 0 | 0 | 0 | 0 |
| ## 114 | 331 | 112 | 15 | 112 | 71 | male | 0 | 0 | 0 | 0 |
| ## 115 | 332 | 133 | 40 | 119 | 73 | male | 0 | 0 | 0 | 0 |
| ## 116 | 336 | 126 | 20 | 126 | 48 | male | 0 | 0 | 0 | 0 |
| ## 117 | 338 | 76 | 40 | 76 | 45 | male | 0 | 0 | 0 | 0 |
| ## 118 | 340 | 135 | 30 | 135 | 68 | male | 0 | 0 | 0 | 0 |
| ## 119 | 342 | 129 | 40 | 129 | 76 | male | 1 | 0 | 0 | 0 |
| ## 120 | 344 | 93 | 40 | 93 | 75 | male | 0 | 0 | 0 | 0 |
| ## 121 | 345 | 128 | 40 | 123 | 76 | male | 0 | 0 | 0 | 0 |
| ## 122 | 348 | 160 | 40 | 140 | 62 | male | 0 | 0 | 0 | 0 |
| ## 123 | 349 | 109 | 40 | 109 | 38 | male | 0 | 0 | 0 | 0 |
| ## 124 | 351 | 100 | 40 | 100 | 78 | male | 0 | 0 | 0 | 0 |
| ## 125 | 354 | 141 | 30 | 112 | 72 | male | 0 | 0 | 0 | 0 |
| ## 126 | 355 | 159 | 40 | 154 | 59 | male | 0 | 0 | 0 | 0 |
| ## 127 | 357 | 111 | 40 | 110 | 71 | male | 0 | 0 | 0 | 0 |
| ## 128 | 358 | 120 | 40 | 120 | 63 | male | 0 | 0 | 0 | 0 |
| ## 129 | 360 | 136 | 40 | 123 | 75 | male | 0 | 0 | 0 | 0 |
| ## 130 | 364 | 140 | 40 | 126 | 81 | male | 0 | 0 | 0 | 0 |
| ## 131 | 367 | 130 | 25 | 130 | 74 | male | 0 | 0 | 1 | 0 |
| ## 132 | 368 | 96 | 15 | 96 | 66 | male | 1 | 1 | 0 | 0 |
| ## 133 | 369 | 100 | 40 | 100 | 78 | male | 0 | 0 | 0 | 0 |
| ## 134 | 370 | 131 | 35 | 120 | 65 | male | 0 | 0 | 0 | 1 |
| ## 135 | 372 | 100 | 40 | 100 | 68 | male | 0 | 0 | 0 | 0 |
| ## 136 | 378 | 126 | 40 | 126 | 81 | male | 0 | 0 | 0 | 0 |
| ## 137 | 381 | 141 | 40 | 137 | 64 | male | 0 | 0 | 0 | 0 |
| ## 138 | 382 | 127 | 40 | 127 | 67 | male | 0 | 0 | 1 | 0 |
| ## 139 | 383 | 137 | 40 | 135 | 68 | male | 0 | 0 | 0 | 1 |
| ## 140 | 384 | 111 | 35 | 105 | 71 | male | 0 | 1 | 0 | 0 |
| ## 141 | 385 | 143 | 25 | 143 | 76 | male | 1 | 0 | 1 | 0 |
| ## 142 | 386 | 86 | 25 | 86 | 65 | male | 0 | 0 | 0 | 0 |
| ## 143 | 388 | 113 | 40 | 113 | 58 | male | 0 | 0 | 0 | 0 |
| ## 144 | 390 | 125 | 40 | 123 | 54 | male | 0 | 0 | 0 | 0 |
| ## 145 | 391 | 89 | 40 | 89 | 75 | male | 0 | 0 | 0 | 0 |
| ## 146 | 395 | 114 | 20 | 114 | 67 | male | 0 | 1 | 0 | 1 |
| ## 147 | 396 | 139 | 30 | 123 | 71 | male | 0 | 0 | 0 | 0 |
| ## 148 | 397 | 132 | 40 | 132 | 74 | male | 0 | 0 | 0 | 0 |
| ## 149 | 398 | 89 | 40 | 93 | 82 | male | 0 | 0 | 0 | 0 |
| ## 150 | 399 | 125 | 25 | 125 | 69 | male | 0 | 0 | 0 | 0 |
| ## 151 | 400 | 103 | 20 | 103 | 78 | male | 0 | 0 | 0 | 0 |
| ## 152 | 402 | 125 | 35 | 125 | 58 | male | 0 | 0 | 1 | 0 |
| ## 153 | 403 | 124 | 30 | 128 | 75 | male | 0 | 0 | 1 | 0 |
| ## 154 | 405 | 137 | 35 | 137 | 67 | male | 1 | 0 | 0 | 0 |
| ## 155 | 407 | 102 | 40 | 102 | 63 | male | 0 | 0 | 0 | 0 |
| ## 156 | 408 | 119 | 40 | 115 | 76 | male | 0 | 0 | 1 | 1 |
| ## 157 | 409 | 80 | 40 | 80 | 77 | male | 0 | 0 | 0 | 0 |
| ## 158 | 411 | 137 | 40 | 140 | 47 | male | 0 | 0 | 0 | 0 |
| ## 159 | 413 | 112 | 40 | 112 | 62 | male | 0 | 0 | 0 | 0 |
| ## 160 | 414 | 147 | 35 | 141 | 75 | male | 0 | 0 | 0 | 0 |
| ## 161 | 416 | 140 | 40 | 140 | 47 | male | 0 | 0 | 0 | 0 |
| ## 162 | 420 | 134 | 30 | 134 | 73 | male | 0 | 0 | 0 | 0 |
| ## 163 | 421 | 81 | 40 | 81 | 75 | male | 0 | 0 | 0 | 0 |
| ## 164 | 424 | 133 | 35 | 133 | 87 | male | 0 | 0 | 0 | 0 |
| ## 165 | 428 | 147 | 20 | 147 | 61 | male | 0 | 0 | 0 | 0 |
| ## 166 | 430 | 124 | 30 | 124 | 38 | male | 0 | 0 | 0 | 0 |

| | | | | | | | | | | |
|--------|-----|-----|----|-----|----|------|---|---|---|---|
| ## 167 | 436 | 152 | 30 | 152 | 60 | male | 0 | 0 | 0 | 0 |
| ## 168 | 440 | 92 | 40 | 93 | 68 | male | 0 | 0 | 0 | 0 |
| ## 169 | 441 | 116 | 40 | 109 | 69 | male | 0 | 0 | 1 | 0 |
| ## 170 | 443 | 142 | 25 | 130 | 72 | male | 0 | 0 | 0 | 0 |
| ## 171 | 444 | 142 | 35 | 142 | 72 | male | 0 | 0 | 1 | 0 |
| ## 172 | 445 | 130 | 40 | 130 | 72 | male | 0 | 0 | 0 | 0 |
| ## 173 | 449 | 154 | 40 | 145 | 40 | male | 0 | 0 | 0 | 0 |
| ## 174 | 451 | 146 | 40 | 148 | 62 | male | 0 | 0 | 0 | 0 |
| ## 175 | 453 | 129 | 20 | 129 | 79 | male | 0 | 0 | 0 | 0 |
| ## 176 | 454 | 142 | 30 | 142 | 68 | male | 1 | 0 | 0 | 0 |
| ## 177 | 455 | 122 | 40 | 136 | 51 | male | 0 | 0 | 0 | 0 |
| ## 178 | 458 | 117 | 30 | 104 | 56 | male | 0 | 0 | 0 | 0 |
| ## 179 | 462 | 154 | 35 | 154 | 59 | male | 0 | 0 | 0 | 0 |
| ## 180 | 463 | 95 | 30 | 95 | 65 | male | 0 | 0 | 0 | 0 |
| ## 181 | 465 | 124 | 40 | 117 | 40 | male | 0 | 0 | 0 | 0 |
| ## 182 | 469 | 142 | 20 | 142 | 50 | male | 0 | 0 | 0 | 0 |
| ## 183 | 470 | 100 | 25 | 100 | 74 | male | 0 | 0 | 0 | 0 |
| ## 184 | 473 | 176 | 30 | 176 | 63 | male | 0 | 0 | 0 | 0 |
| ## 185 | 477 | 108 | 40 | 108 | 81 | male | 0 | 0 | 0 | 0 |
| ## 186 | 479 | 102 | 40 | 102 | 65 | male | 1 | 0 | 0 | 1 |
| ## 187 | 482 | 122 | 35 | 122 | 78 | male | 0 | 0 | 0 | 0 |
| ## 188 | 484 | 150 | 35 | 150 | 77 | male | 0 | 0 | 0 | 0 |
| ## 189 | 485 | 136 | 35 | 130 | 53 | male | 0 | 0 | 0 | 0 |
| ## 190 | 486 | 133 | 40 | 133 | 61 | male | 0 | 0 | 0 | 0 |
| ## 191 | 490 | 80 | 40 | 80 | 68 | male | 0 | 0 | 0 | 0 |
| ## 192 | 491 | 141 | 35 | 141 | 59 | male | 0 | 0 | 0 | 0 |
| ## 193 | 493 | 110 | 40 | 110 | 51 | male | 0 | 0 | 0 | 0 |
| ## 194 | 496 | 85 | 40 | 85 | 54 | male | 0 | 0 | 0 | 0 |
| ## 195 | 497 | 137 | 25 | 129 | 73 | male | 0 | 0 | 0 | 0 |
| ## 196 | 499 | 63 | 40 | 63 | 69 | male | 0 | 0 | 1 | 0 |
| ## 197 | 501 | 52 | 40 | 58 | 68 | male | 0 | 0 | 0 | 0 |
| ## 198 | 503 | 92 | 40 | 83 | 73 | male | 0 | 0 | 0 | 0 |
| ## 199 | 506 | 140 | 40 | 142 | 83 | male | 0 | 0 | 0 | 0 |
| ## 200 | 507 | 125 | 40 | 125 | 67 | male | 0 | 0 | 0 | 0 |
| ## 201 | 510 | 106 | 30 | 106 | 76 | male | 0 | 0 | 0 | 0 |
| ## 202 | 511 | 130 | 40 | 128 | 77 | male | 0 | 0 | 0 | 0 |
| ## 203 | 513 | 102 | 30 | 105 | 58 | male | 0 | 0 | 0 | 0 |
| ## 204 | 514 | 98 | 40 | 98 | 75 | male | 0 | 1 | 0 | 0 |
| ## 205 | 515 | 115 | 35 | 115 | 70 | male | 0 | 0 | 0 | 0 |
| ## 206 | 518 | 157 | 40 | 157 | 69 | male | 0 | 0 | 0 | 0 |
| ## 207 | 519 | 80 | 15 | 80 | 51 | male | 0 | 1 | 0 | 0 |
| ## 208 | 523 | 136 | 40 | 136 | 76 | male | 0 | 0 | 1 | 0 |
| ## 209 | 528 | 100 | 40 | 100 | 62 | male | 0 | 1 | 0 | 0 |
| ## 210 | 529 | 83 | 20 | 83 | 78 | male | 0 | 1 | 0 | 0 |
| ## 211 | 530 | 112 | 40 | 112 | 67 | male | 0 | 0 | 1 | 0 |
| ## 212 | 533 | 133 | 30 | 133 | 66 | male | 0 | 0 | 0 | 0 |
| ## 213 | 536 | 106 | 40 | 106 | 79 | male | 0 | 0 | 0 | 0 |
| ## 214 | 539 | 119 | 35 | 119 | 71 | male | 0 | 0 | 0 | 0 |
| ## 215 | 542 | 105 | 35 | 105 | 72 | male | 0 | 0 | 0 | 0 |
| ## 216 | 544 | 74 | 40 | 80 | 73 | male | 0 | 0 | 0 | 0 |
| ## 217 | 547 | 130 | 20 | 130 | 74 | male | 0 | 0 | 0 | 0 |
| ## 218 | 554 | 112 | 35 | 108 | 70 | male | 0 | 0 | 0 | 0 |
| ## 219 | 555 | 112 | 25 | 109 | 74 | male | 1 | 0 | 1 | 1 |
| ## 220 | 556 | 123 | 40 | 119 | 64 | male | 0 | 0 | 1 | 0 |

| | | | | | | | | | |
|---------|----|-----|----|-----|-----------|---|---|---|---|
| ## 1100 | 4 | 118 | 30 | 118 | 57 female | 0 | 0 | 0 | 0 |
| ## 2100 | 7 | 98 | 40 | 98 | 81 female | 0 | 0 | 0 | 0 |
| ## 339 | 8 | 144 | 40 | 144 | 90 female | 0 | 0 | 0 | 0 |
| ## 410 | 9 | 115 | 40 | 113 | 81 female | 0 | 0 | 0 | 0 |
| ## 510 | 11 | 171 | 40 | 171 | 61 female | 0 | 0 | 0 | 0 |
| ## 610 | 14 | 110 | 40 | 110 | 29 female | 0 | 0 | 0 | 0 |
| ## 710 | 15 | 110 | 40 | 110 | 71 female | 0 | 0 | 0 | 0 |
| ## 810 | 16 | 134 | 40 | 136 | 63 female | 0 | 0 | 0 | 0 |
| ## 910 | 17 | 128 | 25 | 128 | 90 female | 0 | 0 | 0 | 0 |
| ## 1010 | 18 | 79 | 20 | 96 | 47 female | 0 | 0 | 0 | 0 |
| ## 1110 | 19 | 114 | 20 | 114 | 65 female | 0 | 0 | 0 | 0 |
| ## 1210 | 20 | 111 | 20 | 89 | 81 female | 0 | 0 | 0 | 0 |
| ## 1310 | 22 | 122 | 25 | 122 | 83 female | 0 | 0 | 0 | 0 |
| ## 1410 | 23 | 141 | 25 | 141 | 91 female | 0 | 0 | 0 | 0 |
| ## 1510 | 24 | 144 | 35 | 144 | 59 female | 0 | 0 | 0 | 0 |
| ## 1610 | 25 | 95 | 15 | 95 | 84 female | 0 | 1 | 0 | 0 |
| ## 1710 | 28 | 125 | 40 | 113 | 74 female | 0 | 0 | 0 | 0 |
| ## 1810 | 30 | 154 | 40 | 146 | 26 female | 0 | 0 | 0 | 0 |
| ## 1910 | 31 | 84 | 40 | 84 | 72 female | 0 | 0 | 0 | 0 |
| ## 2010 | 35 | 129 | 25 | 129 | 42 female | 0 | 0 | 0 | 0 |
| ## 2110 | 36 | 131 | 25 | 131 | 67 female | 0 | 0 | 0 | 0 |
| ## 2210 | 37 | 167 | 25 | 151 | 47 female | 0 | 0 | 0 | 0 |
| ## 2310 | 38 | 122 | 40 | 122 | 46 female | 0 | 0 | 0 | 0 |
| ## 2410 | 39 | 130 | 30 | 130 | 69 female | 0 | 0 | 0 | 0 |
| ## 2510 | 40 | 127 | 30 | 127 | 52 female | 0 | 0 | 0 | 0 |
| ## 2610 | 43 | 92 | 40 | 113 | 74 female | 0 | 0 | 0 | 0 |
| ## 2710 | 45 | 112 | 40 | 113 | 53 female | 0 | 0 | 0 | 0 |
| ## 2810 | 46 | 117 | 20 | 117 | 60 female | 0 | 0 | 0 | 0 |
| ## 2910 | 47 | 110 | 40 | 110 | 70 female | 0 | 0 | 0 | 0 |
| ## 3010 | 48 | 119 | 20 | 119 | 70 female | 0 | 0 | 0 | 0 |
| ## 3110 | 49 | 116 | 25 | 116 | 76 female | 0 | 0 | 0 | 0 |
| ## 3210 | 50 | 86 | 35 | 104 | 87 female | 0 | 0 | 0 | 0 |
| ## 3310 | 51 | 146 | 30 | 146 | 41 female | 0 | 0 | 0 | 0 |
| ## 341 | 52 | 113 | 40 | 108 | 83 female | 0 | 0 | 0 | 0 |
| ## 351 | 53 | 143 | 35 | 143 | 73 female | 0 | 0 | 0 | 0 |
| ## 361 | 54 | 105 | 35 | 105 | 76 female | 0 | 0 | 0 | 0 |
| ## 371 | 56 | 142 | 30 | 142 | 83 female | 0 | 0 | 0 | 0 |
| ## 381 | 57 | 166 | 30 | 166 | 88 female | 0 | 0 | 0 | 0 |
| ## 391 | 59 | 123 | 30 | 123 | 69 female | 0 | 0 | 1 | 0 |
| ## 401 | 61 | 170 | 25 | 170 | 64 female | 0 | 0 | 0 | 0 |
| ## 411 | 62 | 151 | 40 | 151 | 69 female | 0 | 0 | 0 | 0 |
| ## 421 | 63 | 107 | 35 | 103 | 76 female | 0 | 0 | 0 | 0 |
| ## 431 | 66 | 108 | 40 | 108 | 83 female | 0 | 0 | 0 | 0 |
| ## 441 | 68 | 120 | 25 | 120 | 74 female | 0 | 1 | 0 | 0 |
| ## 451 | 71 | 140 | 30 | 143 | 72 female | 0 | 0 | 0 | 0 |
| ## 461 | 72 | 110 | 40 | 110 | 62 female | 0 | 1 | 0 | 0 |
| ## 471 | 73 | 137 | 35 | 137 | 82 female | 0 | 0 | 0 | 0 |
| ## 481 | 75 | 140 | 40 | 140 | 77 female | 0 | 0 | 0 | 0 |
| ## 491 | 78 | 107 | 30 | 107 | 70 female | 0 | 0 | 0 | 0 |
| ## 501 | 81 | 142 | 20 | 142 | 67 female | 0 | 0 | 0 | 0 |
| ## 511 | 82 | 131 | 20 | 131 | 59 female | 0 | 0 | 0 | 0 |
| ## 521 | 87 | 91 | 35 | 91 | 82 female | 0 | 0 | 0 | 0 |
| ## 531 | 89 | 182 | 15 | 182 | 64 female | 0 | 0 | 0 | 0 |
| ## 541 | 90 | 123 | 30 | 123 | 64 female | 0 | 0 | 0 | 0 |

| | | | | | | | | | |
|---------|-----|-----|----|-----|-----------|---|---|---|---|
| ## 551 | 91 | 129 | 25 | 108 | 65 female | 0 | 0 | 0 | 0 |
| ## 561 | 93 | 129 | 15 | 129 | 72 female | 1 | 1 | 1 | 0 |
| ## 571 | 94 | 94 | 20 | 94 | 71 female | 0 | 0 | 0 | 0 |
| ## 581 | 95 | 117 | 40 | 117 | 57 female | 0 | 0 | 0 | 0 |
| ## 591 | 96 | 138 | 40 | 138 | 54 female | 0 | 0 | 0 | 0 |
| ## 601 | 97 | 128 | 40 | 125 | 70 female | 0 | 0 | 0 | 0 |
| ## 611 | 98 | 146 | 30 | 146 | 70 female | 0 | 0 | 0 | 0 |
| ## 621 | 100 | 116 | 35 | 120 | 47 female | 0 | 0 | 0 | 0 |
| ## 631 | 101 | 99 | 40 | 96 | 77 female | 0 | 0 | 0 | 0 |
| ## 641 | 102 | 132 | 30 | 132 | 47 female | 0 | 0 | 0 | 0 |
| ## 651 | 105 | 145 | 40 | 145 | 52 female | 0 | 0 | 0 | 0 |
| ## 661 | 106 | 132 | 35 | 126 | 69 female | 0 | 0 | 0 | 0 |
| ## 671 | 107 | 88 | 40 | 84 | 72 female | 0 | 0 | 0 | 0 |
| ## 681 | 108 | 100 | 40 | 100 | 65 female | 0 | 0 | 0 | 0 |
| ## 691 | 109 | 126 | 40 | 126 | 85 female | 0 | 0 | 0 | 0 |
| ## 701 | 110 | 147 | 20 | 147 | 88 female | 0 | 0 | 0 | 0 |
| ## 711 | 111 | 94 | 40 | 94 | 63 female | 0 | 0 | 0 | 0 |
| ## 721 | 112 | 97 | 30 | 97 | 56 female | 0 | 0 | 0 | 0 |
| ## 731 | 113 | 94 | 40 | 93 | 64 female | 0 | 0 | 0 | 0 |
| ## 741 | 114 | 105 | 10 | 105 | 58 female | 0 | 0 | 0 | 0 |
| ## 751 | 115 | 102 | 30 | 100 | 83 female | 0 | 0 | 0 | 0 |
| ## 761 | 116 | 144 | 30 | 142 | 28 female | 0 | 0 | 0 | 0 |
| ## 771 | 117 | 132 | 35 | 132 | 52 female | 0 | 0 | 0 | 0 |
| ## 781 | 118 | 122 | 25 | 122 | 67 female | 0 | 0 | 0 | 0 |
| ## 791 | 119 | 114 | 40 | 114 | 78 female | 0 | 0 | 0 | 0 |
| ## 801 | 120 | 156 | 40 | 156 | 73 female | 0 | 0 | 0 | 0 |
| ## 811 | 122 | 140 | 25 | 103 | 85 female | 0 | 0 | 0 | 0 |
| ## 821 | 123 | 91 | 40 | 97 | 72 female | 0 | 0 | 0 | 0 |
| ## 831 | 126 | 116 | 40 | 116 | 54 female | 0 | 0 | 0 | 0 |
| ## 841 | 127 | 116 | 40 | 116 | 60 female | 0 | 0 | 0 | 0 |
| ## 851 | 128 | 123 | 30 | 123 | 58 female | 0 | 0 | 0 | 0 |
| ## 861 | 129 | 112 | 40 | 112 | 79 female | 0 | 0 | 0 | 0 |
| ## 871 | 130 | 123 | 40 | 123 | 73 female | 0 | 0 | 0 | 0 |
| ## 881 | 131 | 125 | 40 | 114 | 71 female | 0 | 0 | 0 | 0 |
| ## 891 | 133 | 107 | 25 | 107 | 90 female | 1 | 1 | 0 | 0 |
| ## 901 | 134 | 142 | 35 | 129 | 74 female | 0 | 0 | 0 | 1 |
| ## 911 | 135 | 117 | 35 | 117 | 70 female | 0 | 0 | 0 | 0 |
| ## 921 | 136 | 101 | 35 | 133 | 54 female | 0 | 0 | 0 | 0 |
| ## 931 | 137 | 88 | 40 | 88 | 59 female | 0 | 0 | 0 | 0 |
| ## 941 | 138 | 84 | 40 | 84 | 67 female | 0 | 0 | 0 | 0 |
| ## 951 | 139 | 92 | 40 | 92 | 56 female | 0 | 0 | 0 | 0 |
| ## 961 | 140 | 92 | 35 | 88 | 79 female | 0 | 0 | 0 | 0 |
| ## 971 | 141 | 110 | 30 | 110 | 57 female | 0 | 0 | 0 | 0 |
| ## 981 | 143 | 104 | 40 | 104 | 85 female | 0 | 0 | 0 | 0 |
| ## 991 | 144 | 133 | 40 | 133 | 61 female | 0 | 0 | 0 | 0 |
| ## 1001 | 145 | 126 | 40 | 125 | 77 female | 0 | 0 | 0 | 0 |
| ## 1011 | 146 | 135 | 30 | 135 | 77 female | 0 | 0 | 0 | 0 |
| ## 1021 | 147 | 94 | 40 | 88 | 68 female | 0 | 0 | 0 | 0 |
| ## 1031 | 148 | 128 | 30 | 128 | 52 female | 0 | 0 | 0 | 0 |
| ## 1041 | 149 | 123 | 40 | 123 | 60 female | 0 | 0 | 0 | 0 |
| ## 1051 | 150 | 127 | 30 | 109 | 64 female | 0 | 0 | 0 | 0 |
| ## 1061 | 151 | 133 | 20 | 126 | 77 female | 0 | 0 | 0 | 0 |
| ## 1071 | 152 | 82 | 25 | 82 | 66 female | 0 | 0 | 0 | 0 |
| ## 1081 | 153 | 62 | 40 | 62 | 59 female | 0 | 0 | 0 | 0 |

| | | | | | | | | | |
|---------|-----|-----|----|-----|-----------|---|---|---|---|
| ## 1091 | 157 | 110 | 40 | 102 | 54 female | 0 | 0 | 0 | 0 |
| ## 1101 | 158 | 102 | 40 | 102 | 69 female | 0 | 0 | 0 | 0 |
| ## 1111 | 159 | 132 | 30 | 132 | 64 female | 0 | 0 | 0 | 0 |
| ## 1121 | 160 | 148 | 40 | 148 | 57 female | 0 | 0 | 0 | 0 |
| ## 1131 | 162 | 107 | 15 | 107 | 73 female | 0 | 0 | 0 | 0 |
| ## 1141 | 163 | 116 | 40 | 116 | 61 female | 0 | 0 | 0 | 0 |
| ## 1151 | 164 | 141 | 15 | 141 | 40 female | 0 | 0 | 0 | 0 |
| ## 1161 | 166 | 142 | 20 | 142 | 73 female | 0 | 0 | 0 | 0 |
| ## 1171 | 167 | 84 | 40 | 84 | 48 female | 0 | 0 | 0 | 0 |
| ## 1181 | 168 | 82 | 35 | 82 | 59 female | 0 | 0 | 0 | 0 |
| ## 1191 | 169 | 123 | 25 | 101 | 69 female | 0 | 0 | 0 | 0 |
| ## 1201 | 170 | 130 | 20 | 130 | 69 female | 0 | 0 | 0 | 0 |
| ## 1211 | 171 | 102 | 40 | 102 | 71 female | 0 | 0 | 0 | 0 |
| ## 1221 | 172 | 128 | 30 | 128 | 86 female | 0 | 0 | 0 | 0 |
| ## 1231 | 173 | 142 | 40 | 142 | 73 female | 0 | 0 | 0 | 0 |
| ## 1241 | 174 | 80 | 40 | 80 | 85 female | 0 | 0 | 0 | 0 |
| ## 1251 | 175 | 121 | 25 | 139 | 57 female | 0 | 0 | 0 | 0 |
| ## 1261 | 176 | 118 | 25 | 91 | 77 female | 0 | 0 | 0 | 0 |
| ## 1271 | 177 | 115 | 15 | 115 | 81 female | 0 | 0 | 0 | 0 |
| ## 1281 | 179 | 126 | 30 | 126 | 75 female | 0 | 0 | 0 | 0 |
| ## 1291 | 180 | 118 | 20 | 118 | 88 female | 0 | 0 | 0 | 0 |
| ## 1301 | 181 | 147 | 20 | 147 | 58 female | 0 | 0 | 0 | 0 |
| ## 1311 | 183 | 142 | 25 | 142 | 69 female | 0 | 0 | 0 | 0 |
| ## 1321 | 184 | 133 | 20 | 133 | 81 female | 0 | 0 | 0 | 0 |
| ## 1331 | 185 | 75 | 40 | 73 | 64 female | 0 | 0 | 0 | 0 |
| ## 1341 | 186 | 90 | 35 | 110 | 82 female | 0 | 0 | 0 | 0 |
| ## 1351 | 187 | 121 | 30 | 111 | 67 female | 0 | 0 | 0 | 0 |
| ## 1361 | 192 | 84 | 40 | 80 | 74 female | 0 | 0 | 0 | 0 |
| ## 1371 | 193 | 131 | 20 | 131 | 51 female | 0 | 0 | 0 | 0 |
| ## 1381 | 194 | 141 | 30 | 124 | 65 female | 0 | 0 | 0 | 0 |
| ## 1391 | 195 | 117 | 40 | 110 | 50 female | 0 | 0 | 0 | 0 |
| ## 1401 | 196 | 98 | 15 | 98 | 84 female | 0 | 0 | 0 | 0 |
| ## 1411 | 197 | 102 | 20 | 102 | 86 female | 0 | 0 | 0 | 0 |
| ## 1421 | 198 | 132 | 20 | 120 | 55 female | 0 | 0 | 0 | 0 |
| ## 1431 | 199 | 125 | 40 | 104 | 68 female | 0 | 0 | 0 | 0 |
| ## 1441 | 200 | 125 | 40 | 111 | 78 female | 0 | 0 | 0 | 0 |
| ## 1451 | 201 | 159 | 40 | 158 | 54 female | 0 | 0 | 1 | 0 |
| ## 1461 | 202 | 120 | 40 | 120 | 75 female | 0 | 0 | 0 | 0 |
| ## 1471 | 203 | 119 | 20 | 119 | 89 female | 0 | 0 | 0 | 0 |
| ## 1481 | 206 | 145 | 40 | 145 | 62 female | 0 | 0 | 0 | 0 |
| ## 1491 | 207 | 146 | 40 | 131 | 73 female | 0 | 0 | 0 | 0 |
| ## 1501 | 208 | 153 | 30 | 141 | 47 female | 1 | 0 | 0 | 0 |
| ## 1511 | 210 | 113 | 35 | 94 | 74 female | 0 | 0 | 0 | 1 |
| ## 1521 | 211 | 104 | 40 | 104 | 67 female | 0 | 0 | 1 | 0 |
| ## 1531 | 212 | 106 | 40 | 129 | 63 female | 0 | 0 | 0 | 0 |
| ## 1541 | 213 | 98 | 20 | 98 | 69 female | 0 | 0 | 0 | 0 |
| ## 1551 | 214 | 109 | 35 | 101 | 67 female | 1 | 0 | 0 | 0 |
| ## 1561 | 216 | 141 | 40 | 143 | 74 female | 0 | 0 | 0 | 1 |
| ## 1571 | 219 | 132 | 40 | 132 | 55 female | 0 | 0 | 0 | 0 |
| ## 1581 | 221 | 147 | 40 | 147 | 63 female | 1 | 0 | 0 | 0 |
| ## 1591 | 222 | 131 | 40 | 123 | 70 female | 0 | 0 | 0 | 0 |
| ## 1601 | 223 | 96 | 40 | 96 | 83 female | 0 | 0 | 0 | 0 |
| ## 1611 | 226 | 133 | 35 | 121 | 65 female | 0 | 0 | 0 | 0 |
| ## 1621 | 227 | 90 | 40 | 90 | 68 female | 0 | 0 | 0 | 0 |

| | | | | | | | | | |
|---------|-----|-----|----|-----|-----------|---|---|---|---|
| ## 1631 | 228 | 92 | 25 | 92 | 88 female | 1 | 0 | 0 | 0 |
| ## 1641 | 229 | 112 | 40 | 99 | 61 female | 0 | 0 | 0 | 0 |
| ## 1651 | 230 | 152 | 30 | 149 | 76 female | 0 | 0 | 0 | 0 |
| ## 1661 | 232 | 130 | 25 | 130 | 80 female | 0 | 0 | 0 | 0 |
| ## 1671 | 234 | 131 | 40 | 131 | 48 female | 1 | 0 | 0 | 0 |
| ## 1681 | 237 | 120 | 40 | 117 | 39 female | 0 | 0 | 1 | 0 |
| ## 1691 | 238 | 99 | 40 | 99 | 68 female | 0 | 0 | 0 | 0 |
| ## 1701 | 239 | 102 | 40 | 102 | 69 female | 0 | 0 | 0 | 0 |
| ## 1711 | 240 | 111 | 40 | 116 | 76 female | 0 | 0 | 0 | 0 |
| ## 1721 | 241 | 104 | 20 | 110 | 66 female | 0 | 1 | 0 | 0 |
| ## 1731 | 242 | 128 | 35 | 128 | 67 female | 0 | 0 | 0 | 0 |
| ## 1741 | 243 | 113 | 40 | 101 | 59 female | 0 | 0 | 0 | 0 |
| ## 1751 | 244 | 118 | 30 | 129 | 70 female | 0 | 0 | 0 | 0 |
| ## 1761 | 245 | 118 | 40 | 117 | 71 female | 0 | 0 | 0 | 0 |
| ## 1771 | 246 | 121 | 15 | 114 | 73 female | 1 | 0 | 1 | 1 |
| ## 1781 | 247 | 85 | 40 | 102 | 67 female | 0 | 0 | 0 | 0 |
| ## 1791 | 249 | 86 | 40 | 86 | 68 female | 0 | 0 | 0 | 0 |
| ## 1801 | 250 | 89 | 40 | 89 | 84 female | 0 | 0 | 0 | 0 |
| ## 1811 | 252 | 127 | 30 | 122 | 78 female | 0 | 0 | 0 | 0 |
| ## 1821 | 253 | 107 | 40 | 107 | 70 female | 0 | 1 | 0 | 0 |
| ## 1831 | 255 | 156 | 40 | 157 | 63 female | 0 | 0 | 0 | 0 |
| ## 1841 | 257 | 116 | 40 | 116 | 82 female | 1 | 0 | 0 | 1 |
| ## 1851 | 259 | 133 | 25 | 131 | 29 female | 0 | 0 | 0 | 0 |
| ## 1861 | 260 | 100 | 25 | 100 | 60 female | 1 | 0 | 0 | 1 |
| ## 1871 | 262 | 126 | 30 | 126 | 60 female | 0 | 1 | 0 | 0 |
| ## 1881 | 264 | 108 | 25 | 108 | 79 female | 0 | 1 | 1 | 0 |
| ## 1891 | 265 | 132 | 20 | 120 | 67 female | 0 | 0 | 0 | 0 |
| ## 1901 | 268 | 91 | 40 | 91 | 85 female | 0 | 1 | 1 | 0 |
| ## 1911 | 270 | 167 | 20 | 167 | 65 female | 0 | 0 | 0 | 0 |
| ## 1921 | 271 | 127 | 40 | 127 | 85 female | 0 | 0 | 0 | 0 |
| ## 1931 | 272 | 107 | 30 | 106 | 75 female | 1 | 0 | 0 | 0 |
| ## 1941 | 275 | 144 | 30 | 144 | 64 female | 0 | 0 | 0 | 0 |
| ## 1951 | 276 | 134 | 40 | 134 | 77 female | 0 | 0 | 0 | 0 |
| ## 1961 | 278 | 127 | 20 | 127 | 85 female | 0 | 0 | 0 | 0 |
| ## 1971 | 280 | 124 | 35 | 124 | 68 female | 0 | 0 | 0 | 0 |
| ## 1981 | 281 | 149 | 40 | 149 | 78 female | 0 | 0 | 0 | 0 |
| ## 1991 | 283 | 144 | 35 | 144 | 68 female | 0 | 0 | 0 | 0 |
| ## 2001 | 286 | 125 | 40 | 124 | 62 female | 0 | 0 | 0 | 0 |
| ## 2011 | 289 | 61 | 25 | 104 | 76 female | 0 | 0 | 0 | 0 |
| ## 2021 | 290 | 140 | 35 | 140 | 59 female | 0 | 0 | 0 | 0 |
| ## 2031 | 291 | 131 | 40 | 131 | 47 female | 0 | 0 | 0 | 0 |
| ## 2041 | 292 | 157 | 30 | 157 | 83 female | 0 | 0 | 0 | 0 |
| ## 2051 | 295 | 137 | 40 | 137 | 70 female | 0 | 0 | 0 | 0 |
| ## 2061 | 296 | 121 | 40 | 121 | 55 female | 0 | 0 | 0 | 0 |
| ## 2071 | 314 | 122 | 40 | 120 | 63 female | 0 | 0 | 0 | 0 |
| ## 2081 | 317 | 117 | 20 | 112 | 67 female | 0 | 0 | 0 | 0 |
| ## 2091 | 320 | 102 | 30 | 102 | 83 female | 0 | 0 | 0 | 0 |
| ## 2101 | 321 | 116 | 40 | 116 | 68 female | 0 | 0 | 0 | 0 |
| ## 2111 | 322 | 128 | 40 | 128 | 71 female | 0 | 0 | 0 | 0 |
| ## 2121 | 323 | 138 | 35 | 138 | 45 female | 0 | 0 | 0 | 0 |
| ## 2131 | 324 | 125 | 30 | 115 | 50 female | 0 | 0 | 0 | 0 |
| ## 2141 | 325 | 122 | 40 | 122 | 67 female | 0 | 0 | 0 | 0 |
| ## 2151 | 327 | 75 | 40 | 75 | 75 female | 0 | 0 | 0 | 0 |
| ## 2161 | 328 | 129 | 30 | 129 | 53 female | 0 | 0 | 0 | 0 |

| | | | | | | | | | |
|---------|-----|-----|----|-----|-----------|---|---|---|---|
| ## 2171 | 330 | 115 | 40 | 115 | 49 female | 0 | 0 | 0 | 0 |
| ## 2181 | 333 | 142 | 35 | 132 | 65 female | 0 | 0 | 0 | 0 |
| ## 2191 | 334 | 144 | 40 | 145 | 69 female | 0 | 0 | 0 | 0 |
| ## 2201 | 335 | 96 | 35 | 91 | 68 female | 0 | 0 | 0 | 0 |
| ## 221 | 337 | 142 | 40 | 142 | 59 female | 0 | 0 | 0 | 0 |
| ## 222 | 339 | 134 | 20 | 132 | 34 female | 0 | 0 | 0 | 0 |
| ## 223 | 341 | 154 | 30 | 158 | 74 female | 0 | 0 | 0 | 1 |
| ## 224 | 343 | 82 | 40 | 82 | 55 female | 0 | 0 | 1 | 0 |
| ## 225 | 346 | 68 | 15 | 68 | 71 female | 0 | 0 | 0 | 0 |
| ## 226 | 347 | 112 | 40 | 116 | 64 female | 0 | 0 | 0 | 0 |
| ## 227 | 350 | 128 | 40 | 128 | 33 female | 0 | 0 | 0 | 0 |
| ## 228 | 352 | 103 | 35 | 103 | 79 female | 0 | 0 | 0 | 0 |
| ## 229 | 353 | 117 | 25 | 117 | 69 female | 0 | 0 | 0 | 0 |
| ## 230 | 356 | 144 | 25 | 144 | 75 female | 0 | 0 | 0 | 0 |
| ## 231 | 359 | 99 | 20 | 99 | 82 female | 0 | 0 | 0 | 0 |
| ## 232 | 361 | 145 | 25 | 145 | 66 female | 0 | 0 | 0 | 0 |
| ## 233 | 362 | 129 | 25 | 129 | 59 female | 0 | 0 | 0 | 0 |
| ## 234 | 363 | 129 | 40 | 124 | 71 female | 0 | 0 | 0 | 0 |
| ## 235 | 365 | 104 | 40 | 104 | 59 female | 0 | 0 | 0 | 0 |
| ## 236 | 366 | 124 | 20 | 124 | 79 female | 0 | 0 | 0 | 0 |
| ## 237 | 371 | 85 | 25 | 84 | 77 female | 0 | 0 | 0 | 0 |
| ## 238 | 373 | 97 | 25 | 97 | 74 female | 0 | 0 | 0 | 1 |
| ## 239 | 374 | 101 | 30 | 101 | 66 female | 0 | 0 | 0 | 0 |
| ## 240 | 375 | 120 | 40 | 120 | 71 female | 0 | 0 | 0 | 0 |
| ## 241 | 376 | 128 | 40 | 128 | 85 female | 0 | 0 | 0 | 0 |
| ## 242 | 377 | 116 | 25 | 116 | 76 female | 0 | 0 | 0 | 0 |
| ## 243 | 379 | 168 | 20 | 168 | 70 female | 1 | 0 | 0 | 1 |
| ## 244 | 380 | 121 | 40 | 121 | 85 female | 0 | 1 | 0 | 0 |
| ## 245 | 387 | 111 | 35 | 111 | 66 female | 1 | 0 | 0 | 0 |
| ## 246 | 389 | 124 | 15 | 124 | 49 female | 0 | 0 | 0 | 0 |
| ## 247 | 392 | 81 | 20 | 81 | 66 female | 0 | 0 | 0 | 0 |
| ## 248 | 393 | 122 | 40 | 124 | 73 female | 0 | 0 | 0 | 0 |
| ## 249 | 394 | 118 | 40 | 113 | 66 female | 0 | 0 | 0 | 0 |
| ## 250 | 401 | 167 | 40 | 167 | 76 female | 0 | 0 | 0 | 0 |
| ## 251 | 404 | 150 | 35 | 149 | 53 female | 0 | 0 | 0 | 0 |
| ## 252 | 406 | 129 | 40 | 129 | 79 female | 0 | 0 | 0 | 1 |
| ## 253 | 410 | 101 | 25 | 101 | 66 female | 0 | 0 | 0 | 0 |
| ## 254 | 412 | 210 | 40 | 200 | 68 female | 0 | 0 | 0 | 0 |
| ## 255 | 415 | 102 | 40 | 102 | 43 female | 0 | 0 | 0 | 0 |
| ## 256 | 417 | 128 | 40 | 128 | 69 female | 0 | 0 | 0 | 0 |
| ## 257 | 418 | 133 | 40 | 135 | 70 female | 0 | 0 | 0 | 0 |
| ## 258 | 419 | 156 | 40 | 156 | 52 female | 0 | 0 | 0 | 0 |
| ## 259 | 422 | 151 | 40 | 151 | 34 female | 0 | 0 | 0 | 0 |
| ## 260 | 423 | 132 | 40 | 132 | 60 female | 0 | 0 | 0 | 0 |
| ## 261 | 425 | 92 | 15 | 92 | 48 female | 0 | 0 | 0 | 0 |
| ## 262 | 426 | 136 | 40 | 136 | 64 female | 0 | 0 | 0 | 0 |
| ## 263 | 427 | 159 | 40 | 159 | 53 female | 0 | 0 | 0 | 0 |
| ## 264 | 429 | 145 | 15 | 133 | 73 female | 0 | 0 | 0 | 0 |
| ## 265 | 431 | 131 | 40 | 124 | 65 female | 0 | 0 | 0 | 0 |
| ## 266 | 432 | 140 | 40 | 140 | 62 female | 0 | 0 | 0 | 0 |
| ## 267 | 433 | 125 | 30 | 111 | 77 female | 0 | 0 | 0 | 1 |
| ## 268 | 434 | 114 | 15 | 114 | 67 female | 0 | 0 | 0 | 0 |
| ## 269 | 435 | 151 | 30 | 151 | 49 female | 0 | 1 | 0 | 0 |
| ## 270 | 437 | 98 | 20 | 82 | 85 female | 1 | 0 | 0 | 0 |

| | | | | | | | | | |
|--------|-----|-----|----|-----|-----------|---|---|---|---|
| ## 271 | 438 | 108 | 40 | 108 | 69 female | 0 | 0 | 0 | 0 |
| ## 272 | 439 | 106 | 40 | 109 | 66 female | 0 | 0 | 0 | 0 |
| ## 273 | 442 | 130 | 40 | 130 | 64 female | 0 | 0 | 0 | 0 |
| ## 274 | 446 | 112 | 40 | 112 | 73 female | 0 | 1 | 0 | 0 |
| ## 275 | 447 | 124 | 25 | 121 | 44 female | 0 | 0 | 0 | 0 |
| ## 276 | 448 | 143 | 40 | 125 | 72 female | 0 | 0 | 0 | 0 |
| ## 277 | 450 | 122 | 30 | 122 | 53 female | 0 | 1 | 0 | 0 |
| ## 278 | 452 | 155 | 40 | 155 | 60 female | 0 | 0 | 0 | 0 |
| ## 279 | 456 | 118 | 35 | 118 | 53 female | 0 | 0 | 0 | 0 |
| ## 280 | 457 | 130 | 30 | 122 | 50 female | 0 | 0 | 0 | 0 |
| ## 281 | 459 | 61 | 40 | 62 | 78 female | 0 | 0 | 0 | 0 |
| ## 282 | 460 | 75 | 40 | 75 | 52 female | 0 | 0 | 0 | 0 |
| ## 283 | 461 | 85 | 40 | 85 | 52 female | 0 | 0 | 0 | 0 |
| ## 284 | 464 | 123 | 25 | 133 | 72 female | 0 | 0 | 0 | 0 |
| ## 285 | 466 | 123 | 35 | 123 | 75 female | 0 | 0 | 0 | 0 |
| ## 286 | 467 | 149 | 40 | 149 | 76 female | 0 | 0 | 0 | 0 |
| ## 287 | 468 | 108 | 10 | 108 | 49 female | 0 | 0 | 0 | 0 |
| ## 288 | 471 | 100 | 35 | 120 | 76 female | 0 | 0 | 0 | 0 |
| ## 289 | 472 | 69 | 15 | 69 | 48 female | 0 | 0 | 0 | 0 |
| ## 290 | 474 | 66 | 40 | 66 | 63 female | 0 | 0 | 0 | 0 |
| ## 291 | 475 | 127 | 40 | 127 | 77 female | 0 | 0 | 0 | 0 |
| ## 292 | 476 | 126 | 35 | 120 | 39 female | 0 | 0 | 0 | 0 |
| ## 293 | 478 | 119 | 40 | 119 | 65 female | 0 | 0 | 0 | 0 |
| ## 294 | 480 | 70 | 30 | 105 | 71 female | 0 | 0 | 0 | 1 |
| ## 295 | 481 | 140 | 25 | 140 | 60 female | 0 | 0 | 0 | 0 |
| ## 296 | 483 | 96 | 15 | 96 | 73 female | 0 | 0 | 0 | 0 |
| ## 297 | 487 | 150 | 40 | 150 | 48 female | 0 | 0 | 0 | 0 |
| ## 298 | 488 | 110 | 40 | 110 | 82 female | 0 | 0 | 0 | 0 |
| ## 299 | 489 | 114 | 35 | 114 | 60 female | 1 | 0 | 0 | 0 |
| ## 300 | 492 | 145 | 40 | 138 | 83 female | 0 | 0 | 0 | 0 |
| ## 301 | 494 | 97 | 40 | 118 | 67 female | 0 | 0 | 0 | 0 |
| ## 302 | 495 | 126 | 40 | 123 | 85 female | 0 | 0 | 0 | 0 |
| ## 303 | 498 | 110 | 40 | 110 | 90 female | 0 | 0 | 0 | 0 |
| ## 304 | 500 | 94 | 25 | 97 | 79 female | 1 | 0 | 1 | 0 |
| ## 305 | 502 | 133 | 25 | 133 | 62 female | 0 | 0 | 0 | 0 |
| ## 306 | 504 | 126 | 25 | 126 | 83 female | 0 | 0 | 0 | 0 |
| ## 307 | 505 | 111 | 20 | 111 | 54 female | 0 | 0 | 0 | 0 |
| ## 308 | 508 | 113 | 40 | 113 | 72 female | 0 | 0 | 0 | 0 |
| ## 309 | 509 | 133 | 40 | 126 | 72 female | 0 | 0 | 0 | 0 |
| ## 310 | 512 | 137 | 40 | 144 | 62 female | 0 | 0 | 1 | 0 |
| ## 311 | 516 | 130 | 35 | 113 | 59 female | 0 | 0 | 0 | 0 |
| ## 312 | 517 | 144 | 40 | 144 | 67 female | 0 | 0 | 0 | 1 |
| ## 313 | 520 | 115 | 35 | 115 | 62 female | 0 | 1 | 0 | 1 |
| ## 314 | 521 | 114 | 40 | 114 | 77 female | 0 | 0 | 0 | 0 |
| ## 315 | 522 | 131 | 15 | 123 | 56 female | 0 | 1 | 0 | 0 |
| ## 316 | 524 | 91 | 15 | 77 | 53 female | 0 | 0 | 0 | 0 |
| ## 317 | 525 | 154 | 35 | 154 | 64 female | 0 | 0 | 0 | 0 |
| ## 318 | 526 | 117 | 40 | 114 | 69 female | 0 | 0 | 0 | 0 |
| ## 319 | 527 | 119 | 40 | 116 | 71 female | 0 | 0 | 1 | 0 |
| ## 320 | 531 | 134 | 40 | 115 | 64 female | 0 | 0 | 0 | 0 |
| ## 321 | 532 | 137 | 40 | 145 | 73 female | 0 | 0 | 0 | 0 |
| ## 322 | 534 | 152 | 25 | 150 | 72 female | 0 | 0 | 0 | 0 |
| ## 323 | 535 | 121 | 40 | 121 | 76 female | 0 | 0 | 0 | 0 |
| ## 324 | 537 | 138 | 20 | 138 | 60 female | 0 | 0 | 0 | 0 |

| | | | | | | | | | |
|--------|------------|-----|----|-----|-----------|---|---|---|---|
| ## 325 | 538 | 94 | 40 | 94 | 75 female | 0 | 0 | 0 | 0 |
| ## 326 | 540 | 116 | 40 | 116 | 78 female | 0 | 0 | 0 | 0 |
| ## 327 | 541 | 134 | 20 | 134 | 59 female | 0 | 0 | 0 | 0 |
| ## 328 | 543 | 105 | 40 | 113 | 70 female | 0 | 0 | 0 | 0 |
| ## 329 | 545 | 138 | 40 | 124 | 59 female | 0 | 0 | 0 | 0 |
| ## 330 | 546 | 85 | 40 | 85 | 72 female | 0 | 0 | 0 | 0 |
| ## 331 | 548 | 74 | 40 | 74 | 68 female | 0 | 0 | 0 | 0 |
| ## 332 | 549 | 132 | 40 | 134 | 57 female | 0 | 0 | 0 | 0 |
| ## 333 | 550 | 110 | 20 | 107 | 79 female | 0 | 0 | 0 | 0 |
| ## 334 | 551 | 132 | 40 | 132 | 79 female | 0 | 0 | 0 | 0 |
| ## 335 | 552 | 88 | 30 | 118 | 70 female | 0 | 0 | 0 | 0 |
| ## 336 | 553 | 160 | 15 | 160 | 64 female | 0 | 0 | 0 | 0 |
| ## 337 | 557 | 107 | 40 | 106 | 70 female | 0 | 0 | 0 | 1 |
| ## 338 | 558 | 161 | 40 | 156 | 56 female | 0 | 0 | 0 | 0 |
| ## | hxofCig | | | | | | | | |
| ## 1 | non-smoker | | | | | | | | |
| ## 2 | non-smoker | | | | | | | | |
| ## 3 | non-smoker | | | | | | | | |
| ## 4 | non-smoker | | | | | | | | |
| ## 5 | non-smoker | | | | | | | | |
| ## 6 | non-smoker | | | | | | | | |
| ## 7 | non-smoker | | | | | | | | |
| ## 8 | non-smoker | | | | | | | | |
| ## 9 | non-smoker | | | | | | | | |
| ## 10 | non-smoker | | | | | | | | |
| ## 11 | non-smoker | | | | | | | | |
| ## 12 | non-smoker | | | | | | | | |
| ## 13 | non-smoker | | | | | | | | |
| ## 14 | non-smoker | | | | | | | | |
| ## 15 | non-smoker | | | | | | | | |
| ## 16 | non-smoker | | | | | | | | |
| ## 17 | non-smoker | | | | | | | | |
| ## 18 | non-smoker | | | | | | | | |
| ## 19 | non-smoker | | | | | | | | |
| ## 20 | non-smoker | | | | | | | | |
| ## 21 | non-smoker | | | | | | | | |
| ## 22 | non-smoker | | | | | | | | |
| ## 23 | non-smoker | | | | | | | | |
| ## 24 | non-smoker | | | | | | | | |
| ## 25 | non-smoker | | | | | | | | |
| ## 26 | non-smoker | | | | | | | | |
| ## 27 | non-smoker | | | | | | | | |
| ## 28 | non-smoker | | | | | | | | |
| ## 29 | non-smoker | | | | | | | | |
| ## 30 | non-smoker | | | | | | | | |
| ## 31 | non-smoker | | | | | | | | |
| ## 32 | non-smoker | | | | | | | | |
| ## 33 | non-smoker | | | | | | | | |
| ## 34 | non-smoker | | | | | | | | |
| ## 35 | non-smoker | | | | | | | | |
| ## 36 | non-smoker | | | | | | | | |
| ## 37 | non-smoker | | | | | | | | |
| ## 38 | non-smoker | | | | | | | | |
| ## 39 | non-smoker | | | | | | | | |

```
## 40    non-smoker
## 41    non-smoker
## 42    non-smoker
## 43    non-smoker
## 44    non-smoker
## 45    non-smoker
## 46    non-smoker
## 47    non-smoker
## 48    non-smoker
## 49    non-smoker
## 50    non-smoker
## 51    non-smoker
## 52    non-smoker
## 53    non-smoker
## 54    non-smoker
## 55    non-smoker
## 56    non-smoker
## 57    non-smoker
## 58    non-smoker
## 59    non-smoker
## 60    non-smoker
## 61    non-smoker
## 62    non-smoker
## 63    non-smoker
## 64    non-smoker
## 65    non-smoker
## 66    non-smoker
## 67    non-smoker
## 68    non-smoker
## 69    non-smoker
## 70    non-smoker
## 71    non-smoker
## 72    non-smoker
## 73    non-smoker
## 74    non-smoker
## 75    non-smoker
## 76    non-smoker
## 77    non-smoker
## 78    non-smoker
## 79    non-smoker
## 80      moderate
## 81      moderate
## 82      moderate
## 83      moderate
## 84      moderate
## 85      moderate
## 86      moderate
## 87      moderate
## 88      moderate
## 89      moderate
## 90      moderate
## 91      moderate
## 92      moderate
## 93      moderate
```

| | |
|--------|----------|
| ## 94 | moderate |
| ## 95 | moderate |
| ## 96 | moderate |
| ## 97 | moderate |
| ## 98 | moderate |
| ## 99 | moderate |
| ## 100 | moderate |
| ## 101 | moderate |
| ## 102 | moderate |
| ## 103 | moderate |
| ## 104 | moderate |
| ## 105 | moderate |
| ## 106 | moderate |
| ## 107 | moderate |
| ## 108 | moderate |
| ## 109 | moderate |
| ## 110 | moderate |
| ## 111 | moderate |
| ## 112 | moderate |
| ## 113 | moderate |
| ## 114 | moderate |
| ## 115 | moderate |
| ## 116 | moderate |
| ## 117 | moderate |
| ## 118 | moderate |
| ## 119 | moderate |
| ## 120 | moderate |
| ## 121 | moderate |
| ## 122 | moderate |
| ## 123 | moderate |
| ## 124 | moderate |
| ## 125 | moderate |
| ## 126 | moderate |
| ## 127 | moderate |
| ## 128 | moderate |
| ## 129 | moderate |
| ## 130 | moderate |
| ## 131 | moderate |
| ## 132 | moderate |
| ## 133 | moderate |
| ## 134 | moderate |
| ## 135 | moderate |
| ## 136 | moderate |
| ## 137 | moderate |
| ## 138 | moderate |
| ## 139 | moderate |
| ## 140 | moderate |
| ## 141 | moderate |
| ## 142 | moderate |
| ## 143 | moderate |
| ## 144 | moderate |
| ## 145 | moderate |
| ## 146 | moderate |
| ## 147 | moderate |

| | |
|--------|----------|
| ## 148 | moderate |
| ## 149 | moderate |
| ## 150 | moderate |
| ## 151 | moderate |
| ## 152 | moderate |
| ## 153 | moderate |
| ## 154 | moderate |
| ## 155 | moderate |
| ## 156 | moderate |
| ## 157 | moderate |
| ## 158 | heavy |
| ## 159 | heavy |
| ## 160 | heavy |
| ## 161 | heavy |
| ## 162 | heavy |
| ## 163 | heavy |
| ## 164 | heavy |
| ## 165 | heavy |
| ## 166 | heavy |
| ## 167 | heavy |
| ## 168 | heavy |
| ## 169 | heavy |
| ## 170 | heavy |
| ## 171 | heavy |
| ## 172 | heavy |
| ## 173 | heavy |
| ## 174 | heavy |
| ## 175 | heavy |
| ## 176 | heavy |
| ## 177 | heavy |
| ## 178 | heavy |
| ## 179 | heavy |
| ## 180 | heavy |
| ## 181 | heavy |
| ## 182 | heavy |
| ## 183 | heavy |
| ## 184 | heavy |
| ## 185 | heavy |
| ## 186 | heavy |
| ## 187 | heavy |
| ## 188 | heavy |
| ## 189 | heavy |
| ## 190 | heavy |
| ## 191 | heavy |
| ## 192 | heavy |
| ## 193 | heavy |
| ## 194 | heavy |
| ## 195 | heavy |
| ## 196 | heavy |
| ## 197 | heavy |
| ## 198 | heavy |
| ## 199 | heavy |
| ## 200 | heavy |
| ## 201 | heavy |

202 heavy
203 heavy
204 heavy
205 heavy
206 heavy
207 heavy
208 heavy
209 heavy
210 heavy
211 heavy
212 non-smoker
213 non-smoker
214 non-smoker
215 non-smoker
216 non-smoker
217 non-smoker
218 non-smoker
219 non-smoker
220 non-smoker
1100 non-smoker
2100 non-smoker
339 non-smoker
410 non-smoker
510 non-smoker
610 non-smoker
710 non-smoker
810 non-smoker
910 non-smoker
1010 non-smoker
1110 non-smoker
1210 non-smoker
1310 non-smoker
1410 non-smoker
1510 non-smoker
1610 non-smoker
1710 non-smoker
1810 non-smoker
1910 non-smoker
2010 non-smoker
2110 non-smoker
2210 non-smoker
2310 non-smoker
2410 non-smoker
2510 non-smoker
2610 non-smoker
2710 non-smoker
2810 non-smoker
2910 non-smoker
3010 non-smoker
3110 non-smoker
3210 non-smoker
3310 non-smoker
341 non-smoker
351 non-smoker

361 non-smoker
371 non-smoker
381 non-smoker
391 non-smoker
401 non-smoker
411 non-smoker
421 non-smoker
431 non-smoker
441 non-smoker
451 non-smoker
461 non-smoker
471 non-smoker
481 non-smoker
491 non-smoker
501 non-smoker
511 non-smoker
521 non-smoker
531 non-smoker
541 non-smoker
551 non-smoker
561 non-smoker
571 non-smoker
581 non-smoker
591 non-smoker
601 non-smoker
611 non-smoker
621 non-smoker
631 non-smoker
641 non-smoker
651 non-smoker
661 non-smoker
671 non-smoker
681 non-smoker
691 non-smoker
701 non-smoker
711 non-smoker
721 non-smoker
731 non-smoker
741 non-smoker
751 non-smoker
761 non-smoker
771 non-smoker
781 non-smoker
791 non-smoker
801 non-smoker
811 non-smoker
821 non-smoker
831 non-smoker
841 non-smoker
851 non-smoker
861 non-smoker
871 non-smoker
881 non-smoker
891 non-smoker

901 non-smoker
911 non-smoker
921 non-smoker
931 non-smoker
941 non-smoker
951 non-smoker
961 non-smoker
971 non-smoker
981 non-smoker
991 non-smoker
1001 non-smoker
1011 non-smoker
1021 non-smoker
1031 non-smoker
1041 non-smoker
1051 non-smoker
1061 non-smoker
1071 non-smoker
1081 non-smoker
1091 non-smoker
1101 non-smoker
1111 non-smoker
1121 non-smoker
1131 non-smoker
1141 non-smoker
1151 non-smoker
1161 non-smoker
1171 non-smoker
1181 non-smoker
1191 non-smoker
1201 non-smoker
1211 non-smoker
1221 non-smoker
1231 non-smoker
1241 non-smoker
1251 non-smoker
1261 non-smoker
1271 non-smoker
1281 non-smoker
1291 non-smoker
1301 non-smoker
1311 non-smoker
1321 non-smoker
1331 non-smoker
1341 non-smoker
1351 non-smoker
1361 non-smoker
1371 non-smoker
1381 non-smoker
1391 non-smoker
1401 non-smoker
1411 non-smoker
1421 non-smoker
1431 non-smoker

1441 non-smoker
1451 non-smoker
1461 non-smoker
1471 non-smoker
1481 non-smoker
1491 non-smoker
1501 non-smoker
1511 non-smoker
1521 non-smoker
1531 non-smoker
1541 non-smoker
1551 non-smoker
1561 non-smoker
1571 non-smoker
1581 non-smoker
1591 non-smoker
1601 non-smoker
1611 non-smoker
1621 non-smoker
1631 non-smoker
1641 non-smoker
1651 non-smoker
1661 non-smoker
1671 non-smoker
1681 non-smoker
1691 non-smoker
1701 non-smoker
1711 non-smoker
1721 non-smoker
1731 non-smoker
1741 non-smoker
1751 non-smoker
1761 non-smoker
1771 non-smoker
1781 non-smoker
1791 non-smoker
1801 non-smoker
1811 non-smoker
1821 non-smoker
1831 non-smoker
1841 non-smoker
1851 non-smoker
1861 non-smoker
1871 non-smoker
1881 non-smoker
1891 non-smoker
1901 non-smoker
1911 non-smoker
1921 non-smoker
1931 non-smoker
1941 moderate
1951 moderate
1961 moderate
1971 moderate

| | |
|---------|----------|
| ## 1981 | moderate |
| ## 1991 | moderate |
| ## 2001 | moderate |
| ## 2011 | moderate |
| ## 2021 | moderate |
| ## 2031 | moderate |
| ## 2041 | moderate |
| ## 2051 | moderate |
| ## 2061 | moderate |
| ## 2071 | moderate |
| ## 2081 | moderate |
| ## 2091 | moderate |
| ## 2101 | moderate |
| ## 2111 | moderate |
| ## 2121 | moderate |
| ## 2131 | moderate |
| ## 2141 | moderate |
| ## 2151 | moderate |
| ## 2161 | moderate |
| ## 2171 | moderate |
| ## 2181 | moderate |
| ## 2191 | moderate |
| ## 2201 | moderate |
| ## 221 | moderate |
| ## 222 | moderate |
| ## 223 | moderate |
| ## 224 | moderate |
| ## 225 | moderate |
| ## 226 | moderate |
| ## 227 | moderate |
| ## 228 | moderate |
| ## 229 | moderate |
| ## 230 | moderate |
| ## 231 | moderate |
| ## 232 | moderate |
| ## 233 | moderate |
| ## 234 | moderate |
| ## 235 | moderate |
| ## 236 | moderate |
| ## 237 | moderate |
| ## 238 | moderate |
| ## 239 | moderate |
| ## 240 | moderate |
| ## 241 | moderate |
| ## 242 | moderate |
| ## 243 | moderate |
| ## 244 | moderate |
| ## 245 | moderate |
| ## 246 | moderate |
| ## 247 | moderate |
| ## 248 | moderate |
| ## 249 | moderate |
| ## 250 | moderate |
| ## 251 | moderate |

| | | |
|----|-----|----------|
| ## | 252 | moderate |
| ## | 253 | moderate |
| ## | 254 | heavy |
| ## | 255 | heavy |
| ## | 256 | heavy |
| ## | 257 | heavy |
| ## | 258 | heavy |
| ## | 259 | heavy |
| ## | 260 | heavy |
| ## | 261 | heavy |
| ## | 262 | heavy |
| ## | 263 | heavy |
| ## | 264 | heavy |
| ## | 265 | heavy |
| ## | 266 | heavy |
| ## | 267 | heavy |
| ## | 268 | heavy |
| ## | 269 | heavy |
| ## | 270 | heavy |
| ## | 271 | heavy |
| ## | 272 | heavy |
| ## | 273 | heavy |
| ## | 274 | heavy |
| ## | 275 | heavy |
| ## | 276 | heavy |
| ## | 277 | heavy |
| ## | 278 | heavy |
| ## | 279 | heavy |
| ## | 280 | heavy |
| ## | 281 | heavy |
| ## | 282 | heavy |
| ## | 283 | heavy |
| ## | 284 | heavy |
| ## | 285 | heavy |
| ## | 286 | heavy |
| ## | 287 | heavy |
| ## | 288 | heavy |
| ## | 289 | heavy |
| ## | 290 | heavy |
| ## | 291 | heavy |
| ## | 292 | heavy |
| ## | 293 | heavy |
| ## | 294 | heavy |
| ## | 295 | heavy |
| ## | 296 | heavy |
| ## | 297 | heavy |
| ## | 298 | heavy |
| ## | 299 | heavy |
| ## | 300 | heavy |
| ## | 301 | heavy |
| ## | 302 | heavy |
| ## | 303 | heavy |
| ## | 304 | heavy |
| ## | 305 | heavy |

```
## 306      heavy
## 307      heavy
## 308      heavy
## 309      heavy
## 310      heavy
## 311      heavy
## 312      heavy
## 313      heavy
## 314      heavy
## 315      heavy
## 316      heavy
## 317      heavy
## 318      heavy
## 319      heavy
## 320      heavy
## 321      heavy
## 322 non-smoker
## 323 non-smoker
## 324 non-smoker
## 325 non-smoker
## 326 non-smoker
## 327 non-smoker
## 328 non-smoker
## 329 non-smoker
## 330 non-smoker
## 331 non-smoker
## 332 non-smoker
## 333 non-smoker
## 334 non-smoker
## 335 non-smoker
## 336 non-smoker
## 337 non-smoker
## 338 non-smoker
```

- e) Mostrar las características más importantes del data frame stressEchoDataSet, es decir, captura de los primeros y últimos registros de datos, nombre de las columnas, tipos de variables,...

```
head(stressEchoDataSet) #Para ver las primeras lineas
```

```
##   idPatient pkhr dose maxhr age gender newMI newPTCA newCABG death  hxofCig
## 1         1  114  40  100  85  male     0         0         0     0 non-smoker
## 2         2  120  40  120  73  male     1         0         0     0 non-smoker
## 3         3  120  40  120  73  male     1         0         0     0 non-smoker
## 4         5  129  40  129  34  male     0         0         0     0 non-smoker
## 5         6  123  40  123  71  male     0         0         0     0 non-smoker
## 6        10  126  40  126  86  male     0         0         0     0 non-smoker
```

```
tail(stressEchoDataSet) #Para ver las ultimas lineas
```

```
##   idPatient pkhr dose maxhr age gender newMI newPTCA newCABG death  hxofCig
## 333       550  110  20  107  79 female     0         0         0     0 non-smoker
## 334       551  132  40  132  79 female     0         0         0     0 non-smoker
## 335       552   88  30  118  70 female     0         0         0     0 non-smoker
## 336       553  160  15  160  64 female     0         0         0     0 non-smoker
## 337       557  107  40  106  70 female     0         0         0     1 non-smoker
## 338       558  161  40  156  56 female     0         0         0     0 non-smoker
```

```
names(stressEchoDataSet) #Para ver el nombre de las columnas
```

```
## [1] "idPatient" "pkhr"      "dose"      "maxhr"     "age"       "gender"  
## [7] "newMI"      "newPTCA"   "newCABG"   "death"     "hxofCig"
```

```
str(stressEchoDataSet) #Nos da la estructura del dataframe
```

```
## 'data.frame':    558 obs. of  11 variables:  
## $ idPatient: int  1 2 3 5 6 10 12 13 21 26 ...  
## $ pkhr      : int  114 120 120 129 123 126 127 169 123 102 ...  
## $ dose      : int  40 40 40 40 40 40 30 40 40 25 ...  
## $ maxhr     : int  100 120 120 129 123 126 125 169 123 102 ...  
## $ age       : int  85 73 73 34 71 86 63 86 70 69 ...  
## $ gender    : chr  "male" "male" "male" "male" ...  
## $ newMI     : int  0 1 1 0 0 0 0 0 0 0 ...  
## $ newPTCA   : int  0 0 0 0 0 0 0 0 0 0 ...  
## $ newCABG   : int  0 0 0 0 0 0 0 0 0 0 ...  
## $ death     : int  0 0 0 0 0 0 0 0 0 0 ...  
## $ hxofCig   : chr  "non-smoker" "non-smoker" "non-smoker" "non-smoker" ...
```

```
dim(stressEchoDataSet) #Nos da la dimensión
```

```
## [1] 558 11
```

- f) Exportar el data frame stressEchoDataSet a un fichero en formato texto, es decir, mostrar cómo se realizaría en R desde RStudio y cómo se haría desde RCommander

```
#Primero en Rstudio
```

```
stressEchoDataSet_txt <-
```

```
  write.table(stressEchoDataSet, '/Users/sudup/OneDrive/Documentos/UOC MATERIALES/SOFTWARE/LAB1_datos/S
```

```
#En Rcommander ejecutar la siguiente instrucción
```

```
library(Rcmdr)
```

```
## Loading required package: splines
```

```
## Loading required package: RcmdrMisc
```

```
## Loading required package: car
```

```
## Loading required package: carData
```

```
## Loading required package: sandwich
```

```
## Loading required package: effects
```

```
## Registered S3 methods overwritten by 'lme4':
```

```
##   method                                from
```

```
##   cooks.distance.influence.merMod      car
```

```
##   influence.merMod                     car
```

```
##   dfbeta.influence.merMod              car
```

```
##   dfbetas.influence.merMod             car
```

```
## lattice theme set by effectsTheme()
```

```
## See ?effectsTheme for details.
```

```
## The Commander GUI is launched only in interactive sessions
```

```
##
```

```
## Attaching package: 'Rcmdr'
```

```
## The following object is masked from 'package:base':
```

```
##
```

```
##      errorCondition
```

```
#Una vez abierto R-Commander, clicamos en «No hay conjunto de datos activo» y seleccionamos stressEchoD  
#cargados los datos, seleccionamos Datos / Conjunto de datos activo / Exportar conjunto de datos activo
```

- g) Realizar las siguientes consultas a partir del data frame stressEchoDataSet: • Calcular el número de pacientes que han realizado el estudio en stressEchoDataSet y cuántos parámetros se han analizado.

```
dim(stressEchoDataSet)
```

```
## [1] 558  11
```

- Mostrar en una tabla, la distribución por la variable age del data frame stressEchoDataSet y la ordenación de estas edades en modo ascendente (Pista: podéis consultar en la Ayuda de R-Studio la función ordered()).

```
#stressEchoDataSet_age <- ordered(stressEchoDataSet$age)  
stressEchoDataSet_age <- factor(stressEchoDataSet$age,ordered=is.ordered(stressEchoDataSet$age))  
stressEchoDataSet_age
```

```
## [1] 85 73 73 34 71 86 63 86 70 69 70 64 46 84 45 61 60 54 72 77 91 92 62 45 77  
## [26] 57 73 54 67 69 67 79 77 69 63 82 53 59 81 65 81 79 59 74 88 67 59 70 88 50  
## [51] 63 43 38 64 62 67 49 69 55 71 74 78 75 50 74 74 70 91 71 67 69 81 87 66 66  
## [76] 71 63 78 49 79 88 57 65 83 66 86 65 82 67 50 72 74 70 75 54 58 72 30 82 73  
## [101] 67 62 68 59 71 75 93 62 89 81 70 59 65 71 73 48 45 68 76 75 76 62 38 78 72  
## [126] 59 71 63 75 81 74 66 78 65 68 81 64 67 68 71 76 65 58 54 75 67 71 74 82 69  
## [151] 78 58 75 67 63 76 77 47 62 75 47 73 75 87 61 38 60 68 69 72 72 72 40 62 79  
## [176] 68 51 56 59 65 40 50 74 63 81 65 78 77 53 61 68 59 51 54 73 69 68 73 83 67  
## [201] 76 77 58 75 70 69 51 76 62 78 67 66 79 71 72 73 74 70 74 64 57 81 90 81 61  
## [226] 29 71 63 90 47 65 81 83 91 59 84 74 26 72 42 67 47 46 69 52 74 53 60 70 70  
## [251] 76 87 41 83 73 76 83 88 69 64 69 76 83 74 72 62 82 77 70 67 59 82 64 64 65  
## [276] 72 71 57 54 70 70 47 77 47 52 69 72 65 85 88 63 56 64 58 83 28 52 67 78 73  
## [301] 85 72 54 60 58 79 73 71 90 74 70 54 59 67 56 79 57 85 61 77 77 68 52 60 64  
## [326] 77 66 59 54 69 64 57 73 61 40 73 48 59 69 69 71 86 73 85 57 77 81 75 88 58  
## [351] 69 81 64 82 67 74 51 65 50 84 86 55 68 78 54 75 89 62 73 47 74 67 63 69 67  
## [376] 74 55 63 70 83 65 68 88 61 76 80 48 39 68 69 76 66 67 59 70 71 73 67 68 84  
## [401] 78 70 63 82 29 60 60 79 67 85 65 85 75 64 77 85 68 78 68 62 76 59 47 83 70  
## [426] 55 63 67 83 68 71 45 50 67 75 53 49 65 69 68 59 34 74 55 71 64 33 79 69 75  
## [451] 82 66 59 71 59 79 77 74 66 71 85 76 70 85 66 49 66 73 66 76 53 79 66 68 43  
## [476] 69 70 52 34 60 48 64 53 73 65 62 77 67 49 85 69 66 64 73 44 72 53 60 53 50  
## [501] 78 52 52 72 75 76 49 76 48 63 77 39 65 71 60 73 48 82 60 83 67 85 90 79 62  
## [526] 83 54 72 72 62 59 67 62 77 56 53 64 69 71 64 73 72 76 60 75 78 59 70 59 72  
## [551] 68 57 79 79 70 64 70 56  
## 62 Levels: 26 28 29 30 33 34 38 39 40 41 42 43 44 45 46 47 48 49 50 51 ... 93
```

- Crear un vector que guarde los datos del paciente de menor edad e indicar la sintaxis para mostrar esta información por pantalla.

```
stressEchoDataSet_min_age <- c(min(stressEchoDataSet$age))  
stressEchoDataSet_min_age
```

```
## [1] 26
```

- Crear un vector que incluya los id de los pacientes que tengan menos de 50 años, ¿cuántos pacientes hay?

```
stressEchoDataSet_menos50 <- stressEchoDataSet$idPatient[c(stressEchoDataSet$age < 50)]  
stressEchoDataSet_menos50
```

```
## [1] 5 32 34 67 182 188 204 269 304 336 338 349 411 416 430 449 465 14 18  
## [20] 30 35 37 38 51 100 102 116 164 167 208 234 237 259 291 323 330 339 350
```

```
## [39] 389 415 422 425 435 447 468 472 476 487
```

- Crear un vector que guarde las dosis otorgadas a cada paciente y especificar el valor mínimo y máximo de dosis asignadas. ¿A qué id de paciente o pacientes corresponde la menor dosis asignada? ¿Corresponde a hombres o a mujeres? Mostrar toda la información de estos pacientes.

```
dosis_paciente <- c(stressEchoDataSet$dose)
max_dosis <- max(dosis_paciente)
min_dosis <- min(dosis_paciente)

#Id paciente min dosis
id_paciente_min_dosis <- stressEchoDataSet$idPatient[stressEchoDataSet$dose == min_dosis]
id_paciente_min_dosis
```

```
## [1] 114 468
```

```
#Genero dosis min
genero_dosis_min <- stressEchoDataSet$gender[stressEchoDataSet$dose == min_dosis]
genero_dosis_min
```

```
## [1] "female" "female"
```

```
#Info correspondiente a los pacientes referidos
pacientes_dosis_min <- subset(stressEchoDataSet, stressEchoDataSet$dose == min_dosis)
pacientes_dosis_min
```

```
##      idPatient pkhr dose maxhr age gender newMI newPTCA newCABG death  hxofCig
## 741         114  105   10   105  58 female     0         0         0     0 non-smoker
## 287         468  108   10   108  49 female     0         0         0     0      heavy
```