

| | | | | | | |
|-------------|-------|-------|------------|-----------|--------|------|
| | 1 | 1 | Individual | 3.6 | 1.25 | 1.25 |
| 4 | 3 | 7 | Grupo | 6 | 0.75 | 5.25 |
| 1 | 1 | 2 | Pareja | 3.2 | 1.41 | 2.81 |
| | 1 | 1 | Individual | 3.3 | 1.36 | 1.36 |
| 2 | | 2 | Pareja | 4.9 | 0.92 | 1.84 |
| 4 | | 4 | Grupo | 5.8 | 0.78 | 3.10 |
| | 1 | 1 | Individual | 3 | 1.50 | 1.50 |
| 1 | | 1 | Individual | 3.8 | 1.18 | 1.18 |
| 1 | | 1 | Individual | 2.7 | 1.67 | 1.67 |
| 2 | | 2 | Pareja | 4.4 | 1.02 | 2.05 |
| TOTAL | 48 | 50 | 98 | VELOCIDAD | (m/s) | 1.11 |
| PORCENTAJES | 48.98 | 51.02 | 100 | PROMEDIO | (km/h) | 4.00 |

ANEXO 3

[Tabla 6] Velocidades de desplazamiento por género de personas sentido de la biblioteca de ciencias e ingeniería hacia la biblioteca central. Fuente: Propia, 2015.

| CONTEO DE PERSONAS | | TOTAL | ASIGNACIÓN | Distancia(m) | VELOCIDADES POR GENERO (m/s) | | | |
|--------------------|---------|-------|------------|--------------|------------------------------|---------|------------|---------|
| Hombres | Mujeres | | | 4.5 | POR GÉNERO | | PONDERADOS | |
| | | | | Tiempo(s) | HOMBRES | MUJERES | HOMBRES | MUJERES |
| | 1 | 1 | Individual | 3.5 | | 1.29 | | 1.29 |
| 3 | | 3 | Grupo | 4.6 | 0.98 | | 2.93 | |
| 1 | 2 | 3 | Grupo | 6.4 | 0.70 | 0.70 | 0.70 | 1.41 |
| 1 | | 1 | Individual | 3.9 | 1.15 | | 1.15 | |
| | 1 | 1 | Individual | 2.8 | | 1.61 | | 1.61 |
| | 1 | 1 | Individual | 4.3 | | 1.05 | | 1.05 |
| 2 | | 2 | Pareja | 3.2 | 1.41 | | 2.81 | |
| 4 | 2 | 6 | Grupo | 7.9 | 0.57 | 0.57 | 2.28 | 1.14 |
| | 3 | 3 | Grupo | 5.1 | | 0.88 | | 2.65 |
| 1 | | 1 | Individual | 4.1 | 1.10 | | 1.10 | |
| 1 | | 1 | Individual | 3.7 | 1.22 | | 1.22 | |
| 3 | 4 | 7 | Grupo | 8 | 0.56 | 0.56 | 1.69 | 2.25 |
| 1 | | 1 | Individual | 4.4 | 1.02 | | 1.02 | |
| | 1 | 1 | Individual | 4.4 | | 1.02 | | 1.02 |
| | 1 | 1 | Individual | 3.9 | | 1.15 | | 1.15 |
| | 1 | 1 | Individual | 6.7 | | 0.67 | | 0.67 |
| | 1 | 1 | Individual | 4.6 | | 0.98 | | 0.98 |
| 2 | 1 | 3 | Grupo | 4.8 | 0.94 | 0.94 | 1.88 | 0.94 |
| 5 | | 5 | Grupo | 5.6 | 0.80 | | 4.02 | |
| 1 | 1 | 2 | Pareja | 4.3 | 1.05 | 1.05 | 1.05 | 1.05 |
| | 2 | 2 | Pareja | 4.9 | | 0.92 | | 1.84 |
| 1 | | 1 | Individual | 3.6 | 1.25 | | 1.25 | |
| 1 | | 1 | Individual | 3 | 1.50 | | 1.50 | |
| | 3 | 3 | Grupo | 4.2 | | 1.07 | | 3.21 |
| 1 | 1 | 2 | Pareja | 4.1 | 1.10 | 1.10 | 1.10 | 1.10 |
| 2 | 3 | 5 | Grupo | 6 | 0.75 | 0.75 | 1.50 | 2.25 |
| 1 | 1 | 2 | Pareja | 3.6 | 1.25 | 1.25 | 1.25 | 1.25 |
| | 1 | 1 | Individual | 2.8 | | 1.61 | | 1.61 |
| 1 | | 1 | Individual | 3.8 | 1.18 | | 1.18 | |
| 1 | | 1 | Individual | 2.7 | 1.67 | | 1.67 | |
| 1 | | 1 | Individual | 3.4 | 1.32 | | 1.32 | |
| | 1 | 1 | Individual | 3.2 | | 1.41 | | 1.41 |
| 1 | | 1 | Individual | 4 | 1.13 | | 1.13 | |
| | 1 | 1 | Individual | 4 | | 1.13 | | 1.13 |
| | 1 | 1 | Individual | 3.1 | | 1.45 | | 1.45 |
| 1 | 1 | 2 | Pareja | 3.6 | 1.25 | 1.25 | 1.25 | 1.25 |

| | | | | | | | | |
|-------------|----|----|------------|-----|---------------|--------|------|------|
| | 2 | 2 | Pareja | 3.8 | | 1.18 | | 2.37 |
| 1 | | 1 | Individual | 3.5 | 1.29 | | 1.29 | |
| 1 | 1 | 2 | Pareja | 3.7 | 1.22 | 1.22 | 1.22 | 1.22 |
| 1 | | 1 | Individual | 3 | 1.50 | | 1.50 | |
| 1 | | 1 | Individual | 2.5 | 1.80 | | 1.80 | |
| | 1 | 1 | Individual | 4.7 | | 0.96 | | 0.96 |
| 1 | | 1 | Individual | 4.3 | 1.05 | | 1.05 | |
| | 1 | 1 | Individual | 3.8 | | 1.18 | | 1.18 |
| 1 | | 1 | Individual | 3.2 | 1.41 | | 1.41 | |
| 1 | | 1 | Individual | 3.3 | 1.36 | | 1.36 | |
| 1 | | 1 | Individual | 4.7 | 0.96 | | 0.96 | |
| 1 | 1 | 2 | Pareja | 3.7 | 1.22 | 1.22 | 1.22 | 1.22 |
| 1 | | 1 | Individual | 2.8 | 1.61 | | 1.61 | |
| 1 | | 1 | Individual | 3.4 | 1.32 | | 1.32 | |
| 1 | | 1 | Individual | 3.9 | 1.15 | | 1.15 | |
| 1 | | 1 | Individual | 3.5 | 1.29 | | 1.29 | |
| 1 | | 1 | Individual | 4 | 1.13 | | 1.13 | |
| 1 | | 1 | Individual | 3.5 | 1.29 | | 1.29 | |
| 1 | | 1 | Individual | 2.6 | 1.73 | | 1.73 | |
| 1 | 1 | 2 | Pareja | 3.9 | 1.15 | 1.15 | 1.15 | 1.15 |
| 1 | | 1 | Individual | 4.3 | 1.05 | | 1.05 | |
| 2 | | 2 | Pareja | 3.6 | 1.25 | | 2.50 | |
| 1 | | 1 | Individual | 3.5 | 1.29 | | 1.29 | |
| 1 | | 1 | Individual | 3.8 | 1.18 | | 1.18 | |
| TOTAL | 58 | 42 | 100 | | PROMEDI O | (m/s) | 1.09 | 0.99 |
| PORCENTAJES | 58 | 42 | 100 | | VELOCIDA D | (km/h) | 3.87 | 3.58 |

ANEXO 4

[Tabla 7] Velocidades de desplazamiento por género de personas sentido de la biblioteca de central hacia la biblioteca de ciencias e ingeniería. Fuente: Propia, 2015.

| CONTEO PERSONAS | | Distancia (m) | | 4.5 | VELOCIDADES POR GENERO (m/s) | | | |
|-----------------|---------|---------------|------------|-----------|------------------------------|------|------------|------|
| Hombres | Mujeres | TOTAL | ASIGNACIÓN | Tiempo(s) | POR GÉNERO | | PONDERADOS | |
| | 1 | 1 | Individual | 4.1 | | 1.10 | | 1.10 |
| 3 | | 3 | Grupo | 3.2 | 1.41 | | 4.22 | |
| 1 | 1 | 2 | Pareja | 5.2 | 0.87 | 0.87 | 0.87 | 0.87 |
| | 1 | 1 | Individual | 1.3 | | 3.46 | | 3.46 |
| 1 | 1 | 2 | Pareja | 4.1 | 1.10 | 1.10 | 1.10 | 1.10 |
| | 2 | 2 | Pareja | 3.6 | | 1.25 | | 2.50 |
| 1 | | 1 | Individual | 3.8 | 1.18 | | 1.18 | |
| | 3 | 3 | Grupo | 4.1 | | 1.10 | | 3.29 |
| | 5 | 5 | Grupo | 4.8 | | 0.94 | | 4.69 |
| | 4 | 4 | Grupo | 4.7 | | 0.96 | | 3.83 |
| 1 | 1 | 2 | Pareja | 4.1 | 1.10 | 1.10 | 1.10 | 1.10 |
| | 1 | 1 | Individual | 3.3 | | 1.36 | | 1.36 |
| 1 | | 1 | Individual | 3.8 | 1.18 | | 1.18 | |
| 1 | | 1 | Individual | 4.1 | 1.10 | | 1.10 | |
| 1 | | 1 | Individual | 4.5 | 1.00 | | 1.00 | |
| 2 | 1 | 3 | Grupo | 5.9 | 0.76 | 0.76 | 1.53 | 0.76 |
| | 1 | 1 | Individual | 3.6 | | 1.25 | | 1.25 |
| 8 | | 8 | Grupo | 4.5 | 1.00 | | 8.00 | |
| | 2 | 2 | Pareja | 3.5 | | 1.29 | | 2.57 |
| | 1 | 1 | Individual | 3.9 | | 1.15 | | 1.15 |
| | 2 | 2 | Pareja | 4.1 | | 1.10 | | 2.20 |
| | 1 | 1 | Individual | 2.9 | | 1.55 | | 1.55 |
| 1 | 1 | 2 | Pareja | 4.7 | 0.96 | 0.96 | 0.96 | 0.96 |
| 7 | 2 | 9 | Grupo | 3.8 | 1.18 | 1.18 | 8.29 | 2.37 |
| | 3 | 3 | Grupo | 5.4 | | 0.83 | | 2.50 |
| | 1 | 1 | Individual | 3.5 | | 1.29 | | 1.29 |
| | 2 | 2 | Pareja | 3.7 | | 1.22 | | 2.43 |
| | 1 | 1 | Individual | 3 | | 1.50 | | 1.50 |
| 1 | | 1 | Individual | 4.5 | 1.00 | | 1.00 | |
| 1 | | 1 | Individual | 4.2 | 1.07 | | 1.07 | |
| | 1 | 1 | Individual | 4.6 | | 0.98 | | 0.98 |
| 1 | | 1 | Individual | 2.8 | 1.61 | | 1.61 | |
| | 1 | 1 | Individual | 3.3 | | 1.36 | | 1.36 |
| 1 | | 1 | Individual | 3.3 | 1.36 | | 1.36 | |
| | 3 | 3 | Grupo | 3.7 | | 1.22 | | 3.65 |
| 1 | | 1 | Individual | 3 | 1.50 | | 1.50 | |
| | 1 | 1 | Individual | 3.6 | | 1.25 | | 1.25 |

| | | | | | | | | | |
|-------------|-------|-------|-----|------------|-----|-----------|--------|------|------|
| | 4 | 3 | 7 | Grupo | 6 | 0.75 | 0.75 | 3.00 | 2.25 |
| | 1 | 1 | 2 | Pareja | 3.2 | 1.41 | 1.41 | 1.41 | 1.41 |
| | | 1 | 1 | Individual | 3.3 | | 1.36 | | 1.36 |
| | 2 | | 2 | Pareja | 4.9 | 0.92 | | 1.84 | |
| | 4 | | 4 | Grupo | 5.8 | 0.78 | | 3.10 | |
| | | 1 | 1 | Individual | 3 | | 1.50 | | 1.50 |
| | 1 | | 1 | Individual | 3.8 | 1.18 | | 1.18 | |
| | 1 | | 1 | Individual | 2.7 | 1.67 | | 1.67 | |
| | 2 | | 2 | Pareja | 4.4 | 1.02 | | 2.05 | |
| TOTAL | 48 | 50 | 98 | | | VELOCIDAD | (m/s) | 1.07 | 1.15 |
| PORCENTAJES | 48.98 | 51.02 | 100 | | | PROMEDIO | (km/h) | 3.85 | 4.15 |



ANEXO 5

[Tabla 8] Datos de salida de la modelación en Viswalk. Fuente: Propia, 2015.

| EVALUACION DE RED PEATONAL | TIME INTER. | PEDENT (ALL) | PEDARR (ALL) | PEDACT (ALL) | DENS AVG (ALL) | SPEED AVG (ALL) | FLOW AVG (ALL) | TRAVT MAVG (ALL) | FLOWTO DESTAVG (ALL) | SPEEDTO DESTAVG (ALL) | STOPS AVG (ALL) | STOPT MAVG (ALL) | NORM SPEEDAVG (ALL) |
|----------------------------|-------------|--------------|--------------|--------------|----------------|-----------------|----------------|------------------|----------------------|-----------------------|-----------------|------------------|---------------------|
| 1 | 600-3600 | 2185 | 2201 | 33 | 0.13 | 3.55 | 0.01 | 54.79 | 0.01 | 3.54 | 0 | 0 | 0.99 |
| 2 | 600-3600 | 2207 | 2215 | 34 | 0.13 | 3.55 | 0.01 | 54.67 | 0.01 | 3.54 | 0 | 0 | 0.98 |
| 3 | 600-3600 | 2188 | 2178 | 49 | 0.13 | 3.54 | 0.01 | 54.77 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 4 | 600-3600 | 2146 | 2149 | 43 | 0.12 | 3.53 | 0.01 | 54.78 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 5 | 600-3600 | 2222 | 2223 | 40 | 0.13 | 3.54 | 0.01 | 54.72 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 6 | 600-3600 | 2215 | 2230 | 29 | 0.13 | 3.54 | 0.01 | 55.03 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 7 | 600-3600 | 2199 | 2194 | 51 | 0.13 | 3.54 | 0.01 | 54.73 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 8 | 600-3600 | 2221 | 2228 | 42 | 0.13 | 3.53 | 0.01 | 54.95 | 0.01 | 3.52 | 0 | 0 | 0.98 |
| 9 | 600-3600 | 2269 | 2272 | 42 | 0.13 | 3.53 | 0.01 | 54.74 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 10 | 600-3600 | 2193 | 2190 | 36 | 0.13 | 3.55 | 0.01 | 54.54 | 0.01 | 3.55 | 0 | 0 | 0.99 |
| 11 | 600-3600 | 2254 | 2256 | 47 | 0.13 | 3.52 | 0.01 | 55.38 | 0.01 | 3.51 | 0 | 0 | 0.98 |
| 12 | 600-3600 | 2235 | 2240 | 31 | 0.13 | 3.53 | 0.01 | 55.12 | 0.01 | 3.53 | 0 | 0 | 0.98 |

| | | | | | | | | | | | | | |
|----|----------|------|------|----|------|------|------|-------|------|------|---|---|------|
| 13 | 600-3600 | 2209 | 2207 | 44 | 0.13 | 3.55 | 0.01 | 54.62 | 0.01 | 3.54 | 0 | 0 | 0.98 |
| 14 | 600-3600 | 2177 | 2187 | 27 | 0.13 | 3.53 | 0.01 | 54.99 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 15 | 600-3600 | 2221 | 2219 | 41 | 0.13 | 3.53 | 0.01 | 55.04 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 16 | 600-3600 | 2230 | 2219 | 52 | 0.13 | 3.54 | 0.01 | 54.99 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 17 | 600-3600 | 2133 | 2134 | 44 | 0.12 | 3.53 | 0.01 | 54.86 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 18 | 600-3600 | 2206 | 2221 | 43 | 0.13 | 3.55 | 0.01 | 54.86 | 0.01 | 3.54 | 0 | 0 | 0.98 |
| 19 | 600-3600 | 2197 | 2205 | 36 | 0.13 | 3.53 | 0.01 | 54.84 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 20 | 600-3600 | 2175 | 2156 | 48 | 0.13 | 3.53 | 0.01 | 55.13 | 0.01 | 3.52 | 0 | 0 | 0.98 |
| 21 | 600-3600 | 2173 | 2162 | 45 | 0.13 | 3.55 | 0.01 | 54.54 | 0.01 | 3.55 | 0 | 0 | 0.99 |
| 22 | 600-3600 | 2195 | 2195 | 36 | 0.13 | 3.54 | 0.01 | 54.69 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 23 | 600-3600 | 2189 | 2186 | 40 | 0.13 | 3.54 | 0.01 | 54.99 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 24 | 600-3600 | 2178 | 2192 | 30 | 0.13 | 3.54 | 0.01 | 54.94 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 25 | 600-3600 | 2202 | 2210 | 42 | 0.13 | 3.53 | 0.01 | 54.74 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 26 | 600-3600 | 2186 | 2180 | 40 | 0.13 | 3.53 | 0.01 | 54.91 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| 27 | 600-3600 | 2190 | 2201 | 28 | 0.13 | 3.53 | 0.01 | 54.76 | 0.01 | 3.52 | 0 | 0 | 0.98 |

| | | | | | | | | | | | | | |
|--------|----------|------|------|----|------|------|------|-------|------|------|---|---|------|
| 28 | 600-3600 | 2176 | 2179 | 39 | 0.13 | 3.55 | 0.01 | 54.81 | 0.01 | 3.54 | 0 | 0 | 0.99 |
| 29 | 600-3600 | 2234 | 2235 | 41 | 0.13 | 3.54 | 0.01 | 54.74 | 0.01 | 3.54 | 0 | 0 | 0.98 |
| 30 | 600-3600 | 2186 | 2176 | 49 | 0.13 | 3.52 | 0.01 | 55.04 | 0.01 | 3.52 | 0 | 0 | 0.98 |
| AVG | 600-3600 | 2200 | 2201 | 40 | 0.13 | 3.54 | 0.01 | 54.86 | 0.01 | 3.53 | 0 | 0 | 0.98 |
| STDDEV | 600-3600 | 29 | 31 | 7 | 0 | 0.01 | 0 | 0.19 | 0 | 0.01 | 0 | 0 | 0 |
| MIN | 600-3600 | 2133 | 2134 | 27 | 0.12 | 3.52 | 0.01 | 54.54 | 0.01 | 3.51 | 0 | 0 | 0.98 |
| MAX | 600-3600 | 2269 | 2272 | 52 | 0.13 | 3.55 | 0.01 | 55.38 | 0.01 | 3.55 | 0 | 0 | 0.99 |



ANEXO 6

[Tabla 9] Selección aleatoria de velocidades peatonales obtenidas en campo. Fuente: Propia, 2015

| Velocidades de Campo (km/h) | | | | |
|-----------------------------|------|------|------|------|
| 3.95 | 3.38 | 2.75 | 3.45 | 4.38 |
| 3.12 | 3.38 | 3.60 | 3.45 | 4.50 |
| 3.12 | 3.45 | 3.60 | 3.00 | 2.70 |
| 3.95 | 3.45 | 3.60 | 3.00 | 2.70 |
| 3.95 | 3.45 | 3.60 | 3.00 | 2.70 |
| 4.26 | 3.45 | 3.60 | 5.40 | 2.70 |
| 3.95 | 4.26 | 3.60 | 3.60 | 5.06 |
| 3.38 | 3.60 | 4.63 | 3.86 | 5.06 |
| 3.38 | 2.75 | 4.15 | 3.52 | 3.31 |
| 3.38 | 2.75 | 5.59 | 4.91 | 3.31 |

ANEXO 7

[Tabla 10] Selección de velocidades peatonales obtenidas en Viswalk. Fuente: Propia, 2015

| Velocidades de Viswalk (km/h) | | | | |
|-------------------------------|------|------|------|------|
| 3.55 | 3.54 | 3.55 | 3.53 | 3.53 |
| 3.55 | 3.53 | 3.53 | 3.53 | 3.53 |
| 3.54 | 3.53 | 3.53 | 3.55 | 3.53 |
| 3.53 | 3.55 | 3.54 | 3.54 | 3.55 |
| 3.54 | 3.52 | 3.53 | 3.54 | 3.54 |
| 3.54 | 3.53 | 3.55 | 3.54 | 3.52 |