

1 - Jointure carreau - rectangle

Dans le menu Fichier>Ouvrir, importer successivement les deux tables car_m.dbf et rec_m.dbf

| Ouvrir | | | | ? 🗙 |
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| Regarder dans : | 🗀 données rectangle | 💌 G 🕫 🖻 | • | 1 |
| Tables Tables Tables distantes Fichiers d'importation Documents | car_m.dbf car_r02.dbf car_r04.dbf rect_m.dbf rect_r02.dbf rect_r04.dbf | | | |
| | Nom du fichier : | car_m.dbf | ~ | Ouvrir |
| | Fichiers de type : | dBASE DBF (*.dbf) | * | Annuler |
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| Emplacements f Emplacements 5 | MapInfo Standard | Créer une copie permettant la modification | | : |

Les deux tables sont alors ouvertes :

| | MapInfo Professional | | | | | | | | | | |
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Dans le menu Selection>Selection SQL fusionner le contenu des deux tables en les joignant par l'identifiant de rectangle ldk

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| 10 | Annuler Efface <u>r</u> <u>V</u> érifier <u></u> | Aide |

Le résultat est une table de carreaux contenant à la fois les donnés du carreau et les données de son rectangle d'appartenance.

| daplato Protessi | nnal - [Queryl Données] | | | | | | | | | | | | | | | - |
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| | <u>N</u> om du fichier : | Query1.TAB | | | | | * | <u>Enregistrer</u> |
| | <u>Т</u> уре : | MapInfo (*.tab) | | | | | * | Annuler |
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| Emplacements Emplacements | <u>M</u> apInfo <u>S</u> tandard | | | | | | | Projection |

2 - Création des nouvelles variables

Tout fermer (Fichier>Tout fermer), puis rouvrir la table précédemment sauvée.

Dans le menu Table>Gestion table>Modifier structure, ajouter les nouvelles variables qui vont recevoir les données estimées, relative à chaque carreau. Il faut choisir pour chaque variable un type de données : prendre celui de la variable « rectangle » que l'on veut désagréger (ici le nombre de ménages propriétaires, on crée la variable Men_prop_carreau).

| Modifier | a structure de la table: Que | ry1 | |
|--|--|-------|-------------------|
| <u>C</u> hamps | Туре | Index | |
| Ind_age1 Ind_age2 Ind_age3 Ind_age4 Ind_age5 Ind_age6 Ind_age7 I_age7 I_age8 | Virgule fixe(16,4) Virgule fixe(16,4) Virgule fixe(16,4) Virgule fixe(16,4) Virgule fixe(16,4) Virgule fixe(16,4) Caractère(1) Virgule fixe(16,4) Caractère(1) | | Monter Descendre |
| Ind_srf Nbcar_2 Men_prop | Virgule fixe(16,4) Virgule fixe(16,4) carreau Virgule fixe(16,4) | | |
| Informati | ons | | 🔲 Table graphique |
| <u>N</u> om: | Men_prop_carreau | | |
| <u>T</u> ype: | Virgule fixe | | |
| <u>L</u> argeu | r. <mark>16</mark> Dé <u>c</u> imales: | 4 | |
| | OK Annuler | Aide | , |

Dans le menu Table>Mettre à jour colonne, entrer la formule de calcul nécessaire à la désagrégation de la donnée du bloc. Ind_c est la variable donnant le nombre de personnes par carreau, Ind_r le nombre de personne par rectangle.

| Mettre à jour la co | olonne 🛛 🔀 |
|---------------------------------------|--------------------------------------|
| <u>⊺</u> able à mettre à jour: | Query1 |
| Utiliser une colonne de la table : | Query1 |
| <u>C</u> olonne à mettre à jour: | Men_prop_carreau |
| Vale <u>u</u> r: | Expression |
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| Afficher le tableau | des données |
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| E | xpression | |
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| | Entrez une expression : | |
| | Men_prop*ind_c/ind_r | Colonnes 🛨 |
| | | Opérateurs 🛨 |
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| | OK Annuler <u>V</u> érifie | er <u>A</u> ide |

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Le résultat avec en fin de liste des variables la nouvelle variable alimentée par la formule de calcul. Le résultat est entier du fait du choix du type de donnée (virgule fixe, aucun chiffre après la virgule).

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| | Query1 Donnée | S | | | | | | | | \mathbf{X} |
| | Ind_age5 | Ind_age6 | Ind_age7 | l_age7 | Ind_age8 | l_age8 | Ind_srf | Nbcar_2 | Men_prop_carre | ^ |
| | 3,0000 | 33,0000 | 10,0000 | 0 | 6,0000 | 0 | 868 799,0000 | 16,0000 | 0 | |
| | 0,0000 | 22,0000 | 8,0000 | 0 | 3,0000 | 0 | 544 654,0000 | 10,0000 | 0 | |
| | 3,0000 | 33,0000 | 10,0000 | 0 | 6,0000 | 0 | 868 799,0000 | 16,0000 | 1 | |
| | 3,0000 | 33,0000 | 10,0000 | 0 | 6,0000 | 0 | 868 799,0000 | 16,0000 | 1 | |
| | 5,0000 | 67,0000 | 12,0000 | 0 | 5,0000 | 0 | 1 569 724,0000 | 7,0000 | 0 | |
| | 3,0000 | 33,0000 | 10,0000 | 0 | 6,0000 | 0 | 868 799,0000 | 16,0000 | 2 | |
| | 3,0000 | 33,0000 | 10,0000 | 0 | 6,0000 | 0 | 868 799,0000 | 16,0000 | 0 | |
| | 5,0000 | 67,0000 | 12,0000 | 0 | 5,0000 | 0 | 1 569 724,0000 | 7,0000 | 0 | |
| | 1,0000 | 28,0000 | 7,0000 | 0 | 0,0000 | 0 | 678 427,0000 | 9,0000 | 2 | |
| | 3,0000 | 33,0000 | 10,0000 | 0 | 6,0000 | 0 | 868 799,0000 | 16,0000 | 0 | |
| | 0,0000 | 22,0000 | 8,0000 | 0 | 3,0000 | 0 | 544 654,0000 | 10,0000 | 1 | |
| | 0,0000 | 22,0000 | 8,0000 | 0 | 3,0000 | 0 | 544 654,0000 | 10,0000 | 0 | |
| | 5,0000 | 67,0000 | 12,0000 | 0 | 5,0000 | 0 | 1 569 724,0000 | 7,0000 | 0 | |
| | 3,0000 | 33,0000 | 10,0000 | 0 | 6,0000 | 0 | 868 799,0000 | 16,0000 | 1 | |
| | 0,0000 | 22,0000 | 8,0000 | 0 | 3,0000 | 0 | 544 654,0000 | 10,0000 | 1 | |
| | 0,0000 | 22,0000 | 8,0000 | 0 | 3,0000 | 0 | 544 654,0000 | 10,0000 | 0 | |
| | 5,0000 | 67,0000 | 12,0000 | 0 | 5,0000 | 0 | 1 569 724,0000 | 7,0000 | 0 | |
| | 3,0000 | 33,0000 | 10,0000 | 0 | 6,0000 | 0 | 868 799,0000 | 16,0000 | 1 | |
| | 1,0000 | 28,0000 | 7,0000 | 0 | 0,0000 | 0 | 678 427,0000 | 9,0000 | 1 | |
| | 1,0000 | 28,0000 | 7,0000 | 0 | 0,0000 | 0 | 678 427,0000 | 9,0000 | 0 | |
| | 1,0000 | 28,0000 | 7,0000 | 0 | 0,0000 | 0 | 678 427,0000 | 9,0000 | 1 | |
| | 3,0000 | 33,0000 | 10,0000 | 0 | 6,0000 | 0 | 868 799,0000 | 16,0000 | 1 | |
| < | 3 0000 | I 33 0000 | 1 10 0000 | In | 6 0000 | In | I 868 799 0000 | 16 0000 | | > |

3 - Appariement avec les descriptions géographiques des carreaux. Une fois toutes les variables construites, il suffit d'apparier avec la table de géographie car_m.mif/mid.

Dans le menu Table>Importer le fichier importer le fichier car_m.mif en écrasant la précédente table car_m générée.

| Importer le fic | hier | | | | | ? 🔀 |
|--|---|-----------------------------|---|-----|---|----------------|
| Regarder <u>d</u> ans : | 🗀 données rectangle | ~ | 0 | ø 🖻 | • | |
| Tables Tables Tables distantes Fichiers d'importation | car_m.mif car_r02.mif car_r04.mif rect_m.mif rect_r02.mif rect_r04.mif | | | | | |
| | <u>N</u> om du fichier : | car_m.mif | | | ~ | <u>O</u> uvrir |
| | Fichiers de <u>type</u> : | MapInfo Interchange (*.mif) | | | * | Annuler |
| | | | | | | Aide |
| Emplacements Emplacements | <u>M</u> apInfo <u>S</u> tandard | | | | | .:: |

| Sélection SQL | | |
|-------------------------------|--|-----------------------|
| <u>C</u> olonnes : | × | Tables 🛨 |
| | | Colonnes 🛨 |
| | | Opérateurs 🛨 |
| | | Agrégats 🛨 |
| <u>T</u> ables : | car_m, Query1 | Fonctions 👤 |
| <u>C</u> ritères : | car_m.idINSPIRE=Query1.1dinspire | |
| | | |
| | | |
| | | |
| <u>G</u> rouper par | | |
| colonnes : | | Enregistrer le modèle |
| Trier par c <u>o</u> lonnes : | | |
| Table de rés <u>u</u> ltats : | Selection | Ouvrir un modèle |
| 🗹 Afficher les résul | tats 📃 Rechercher dans la <u>f</u> enêtre Carte active | |
| 40 | Annuler Efface <u>r</u> <u>V</u> érifier | Aide |

Dans le menu Selection>Selection SQL fusionner le contenu des deux tables en les joignant par l'identifiant de carreau idINSPIRE.

On peut bien évidemment supprimer les variables de niveau rectangle qui n'ont plus d'utilité à ce stade.

Pour cela : enregistrer la table que l'on vient de créer, fermer toutes les tables, ouvrir la table carreau, aller dans table>modifier sutructure, et sélectionner toutes les variables à supprimer.