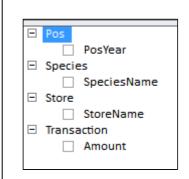To start, if you haven't already done so run the script in the above folder to generate the **MAM** database (not for commercial use or copying).
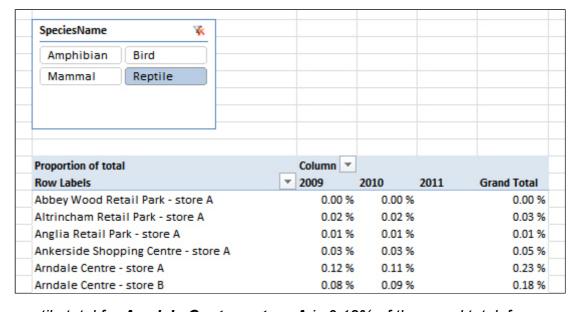
Create the following PowerPivot field list as a data model (or something similar to it):

You'll need to create two new calculated columns: one to give the year of each transaction, and one to give the amount (price times quantity).

*The tables you'll need to import are **tblAnimal**, **tblProduct**, **tblStore**, **tblTransaction**, **tblSpecies** and **tblPo***

Create and display a measure which gives the percentage contribution each cell (each filter context) makes to the total amount:

Proportion of total	Column			
Row Labels	2009	2010	2011	Grand Total
Abbey Wood Retail Park - store A	0.00 %	0.00 %		0.00 %
Altrincham Retail Park - store A	0.02 %	0.02 %		0.03 %
Anglia Retail Park - store A	0.01 %	0.01 %		0.01 %
Ankerside Shopping Centre - store A	0.03 %	0.03 %		0.05 %
Arndale Centre - store A	0.12 %	0.11 %		0.23 %
Arndale Centre - store B	0.08 %	0.09 %		0.18 %

*The reptile total for **Arndale Centre - store A** is 0.12% of the grand total, for example.*

Select all of the species in the horizontal slicer, and scroll down to check that the grand total is now 100% for all stores, years and species (it should be).

Save this workbook as **Clever PowerPivot**, then close it down.

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