**Πρόβλεψη μελλοντικών πωλήσεων**

**Ζητούμενο:** Χρησιμοποιώντας τα διαθέσιμα δεδομένα (ιστορικά δεδομένα πωλήσεων) να ακολουθηθούν τα αναγκαία βήματα και αναπτυχθεί ένα μοντέλο όπου θα μπορεί να προβλέψει τις πωλήσεις που μπορούν να γίνουν μελλοντικά (στο σχετικό test dataset).

**Βοήθεια:** Δέστε πως δουλέψαν σε παρόμοια δεδομένα εδώ:

<https://medium.com/geekculture/walmart-recruiting-store-sales-forecasting-b8b2f4cf19b1>

**Περιγραφή dataset:**

**Files**  
train.csv - historical data including Sales  
test.csv - historical data excluding Sales  
store.csv - supplemental information about the stores

**Data fields** Most of the fields are self-explanatory. The following are descriptions for those that aren't.

Id - an Id that represents a (Store, Date) duple within the test set  
Store - a unique Id for each store  
Sales - the turnover for any given day (this is what you are predicting)  
Customers - the number of customers on a given day  
Open - an indicator for whether the store was open: 0 = closed, 1 = open  
StateHoliday - indicates a state holiday. Normally all stores, with few exceptions, are closed on state holidays. Note that all schools are closed on public holidays and weekends. a = public holiday, b = Easter holiday, c = Christmas, 0 = None  
SchoolHoliday - indicates if the (Store, Date) was affected by the closure of public schools  
StoreType - differentiates between 4 different store models: a, b, c, d  
Assortment - describes an assortment level: a = basic, b = extra, c = extended  
CompetitionDistance - distance in meters to the nearest competitor store  
CompetitionOpenSince[Month/Year] - gives the approximate year and month of the time the nearest competitor was opened  
Promo - indicates whether a store is running a promo on that day  
Promo2 - Promo2 is a continuing and consecutive promotion for some stores: 0 = store is not participating, 1 = store is participating  
Promo2Since[Year/Week] - describes the year and calendar week when the store started participating in Promo2  
PromoInterval - describes the consecutive intervals Promo2 is started, naming the months the promotion is started anew. E.g. "Feb,May,Aug,Nov" means each round starts in February, May, August, November of any given year for that stor