Install Instructions for Ubuntu

(tested on 10.04x64 and 12.04x32)

sudo apt-get install build-essential binutils gdal-bin postgresql-8.4 postgresql-server-dev-8.4 libxml2-dev libcunit1-dev proj
sudo apt-get install python-psycopg2 python-setuptools python-virtualenv python-dev
sudo apt-get install git-core

Only install pgadmin3 if there is GUI access to the machine. It's a GUI manager for postgres databases.
sudo apt-get install pgadmin3

wget http://download.osgeo.org/geos/geos-3.3.6.tar.bz2
tar xvfj geos-3.3.6.tar.bz2
cd geos-3.3.6
./configure
make
sudo make install

wget http://download.osgeo.org/postgis/source/postgis-1.5.8.tar.gz
tar xfvz postgis-1.5.8.tar.gz
cd postgis-1.5.8
./configure
make
sudo make install
sudo ldconfig

sudo passwd postgres
sudo -u postgres psql -U postgres -c "ALTER USER postgres with password 'new_password_here';"
sudo -u postgres createdb template_postgis
sudo -u postgres createlang plpgsql template_postgis
sudo -u postgres psql -d template_postgis -c "UPDATE pg_database SET datistemplate=true WHERE datname='template_postgis';"
sudo -u postgres psql -d template_postgis -f /usr/share/postgresql/8.4/contrib/postgis-1.5/postgis.sql
sudo -u postgres psql -d template_postgis -f /usr/share/postgresql/8.4/contrib/postgis-1.5/spatial_ref_sys.sql
sudo -u postgres psql -d template_postgis -c "GRANT ALL ON geometry_columns TO PUBLIC;"
sudo -u postgres psql -d template_postgis -c "GRANT ALL ON geography_columns TO PUBLIC;"
sudo -u postgres psql -d template_postgis -c "GRANT ALL ON spatial_ref_sys TO PUBLIC;"
sudo -u postgres createdb -T template_postgis geodjango

cd ~/
mkdir socialocale_env
virtualenv --no-site-packages socialocale_env
cd socialocale_env
source ./bin/activate

git clone the repo
pip install -r socialocale/requirements.txt
When PIP is done, make sure the end of its output includes the string 'Successfully installed'
cd socialocale/
python manage.py syncdb

PyCharm
Go into Settings
Django Support
- Check Enable Django Support
- Set Django Project Root to: /home/your_user_dir/socialocale_env/socialocale
- Manage script should be filled in
- Set Settings to: /home/your_user_dir/socialocale_env/socialocale/SociaLocale/settings/common.py
Project Interpreter > Python Interpreters
- Click the + in the upper right and click 'Local...'

- Set it to: /home/your_user_dir/socialocale_env/socialocale/bin/python

- A dialog will come up and 'Set as project interpreter for this project should be checked
- Click OK
Click OK to close the Settings dialog (bottom right)

Set up Debugging
- On the top menu, click 'Run' > 'Edit Configurations...'
- Click the + in the upper left and choose 'Django Server'
- Give it a name (in the name box at the top)
- Set 'Working directory' to: /home/your_user_dir/socialocale_env/
- Click OK

Deployment

http://www.epicserve.com/blog/2011/nov/3/ubuntu-server-setup-guide-django-websites/
http://www.ventanazul.com/webzine/tutorials/django-deployment-guide-ubuntu
http://www.foxhop.net/django-virtualenv-apache-mod_wsgi