











<b>ML task</b>  Input, output to predict, type of problem.  Type of problem: Regression  Input為房產相關資料  Output為房價	<b>Decisions</b>  How are predictions used to make decisions that provide the proposed value to the end-user?  房地產公司藉由歷史房市資訊所建立的模型,預測下一季的房產價格	<b>Value Propositions</b>  What are we trying to do for the end-user(s) of the predictive system? What objectives are we serving?  藉由波士頓房產資料建立房價回歸模型,以預測新的房產價格。	<b>Data Sources</b>  Which raw data sources can we use (internal and external)?  <a href="#">CMU Data Set</a>	<b>Collecting Data</b>  How do we get new data to learn from?  資料取出80%作為訓練檔  剩下的20%作為測試檔
<b>Making Predictions</b>  When do we make predictions on new inputs? How long do we have to featurize a new input and make a prediction?  每一季訂定銷售策略的時候做出預測  目標：預測房產價格,作為下一季銷售測略的參考	<b>Offline Evaluation</b>  Methods and metrics to evaluate the system before deployment.  將歷史房市資訊做預測,用當時真實房價作為驗證,誤差率必須低於1%	<b>Features</b>  Input representations extracted from raw data sources.  1 - CRIM 2 - ZN 3 - INDUS 4 - CHAS 5 - NOX 6 - RM 7 - AGE 8 - DIS 9 - RAD 10 - TAX 11 - PTRATIO 12 - B 13 - LSTAT 14 - MEDV	<b>Building Models</b>  When do we create/update models with new training data? How long do we have to featurize training inputs and create a model?  用Linear Regression演算法建立預測模型	
	<b>Live Evaluation and Monitoring</b>  Methods and metrics to evaluate the system after deployment, and to quantify value creation.  將每一季結束後,用真實房價作為驗證,誤差率必須低於1%			