## Coffee Data as Business Intelligence. Using Your Data to Improve Quality, Consistency and Control.

### Andreas Idl CEO, Cropster GmbH





# We need data to deliver quality





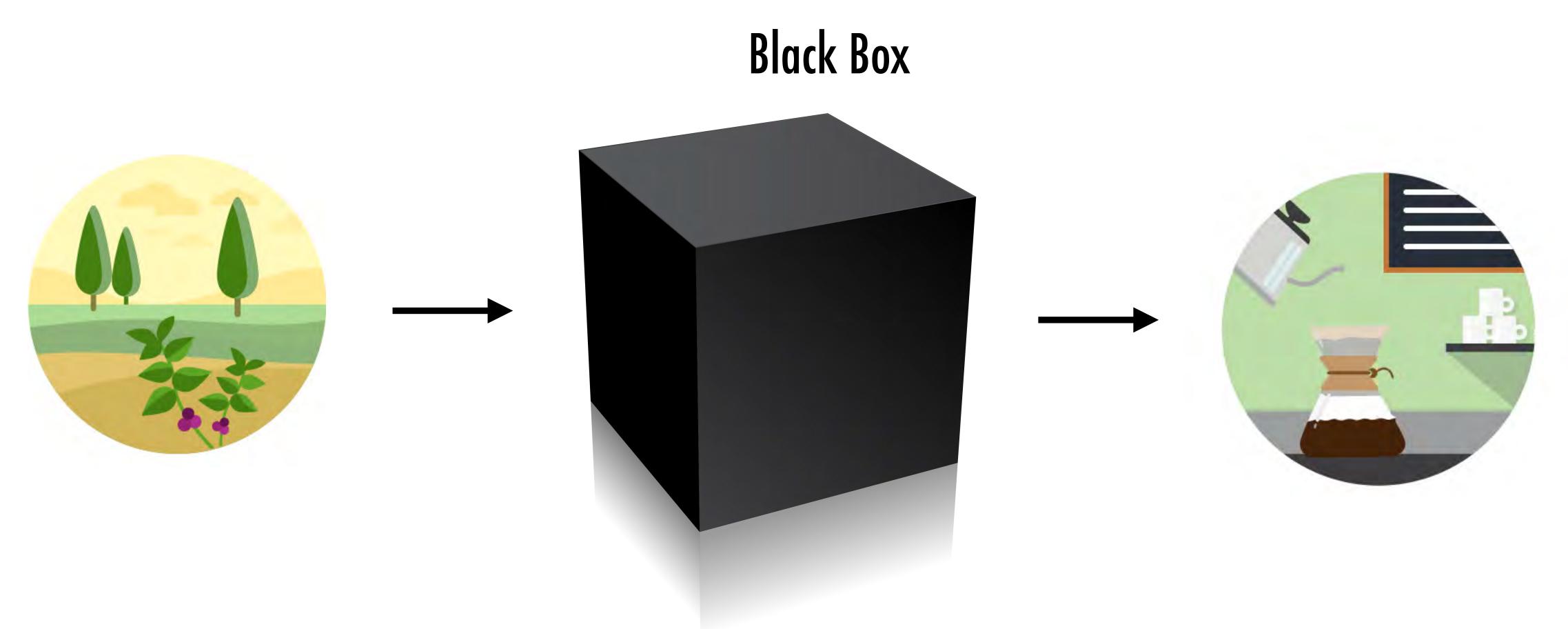
SPECIALTY COFFEE ASSOCIATION OF AMERICA®

# Because great coffee doesn't just happen:

Source: https://www.yumpu.com/en/document/view/11268482/view-membership-brochure-specialty-coffee-association-of-america







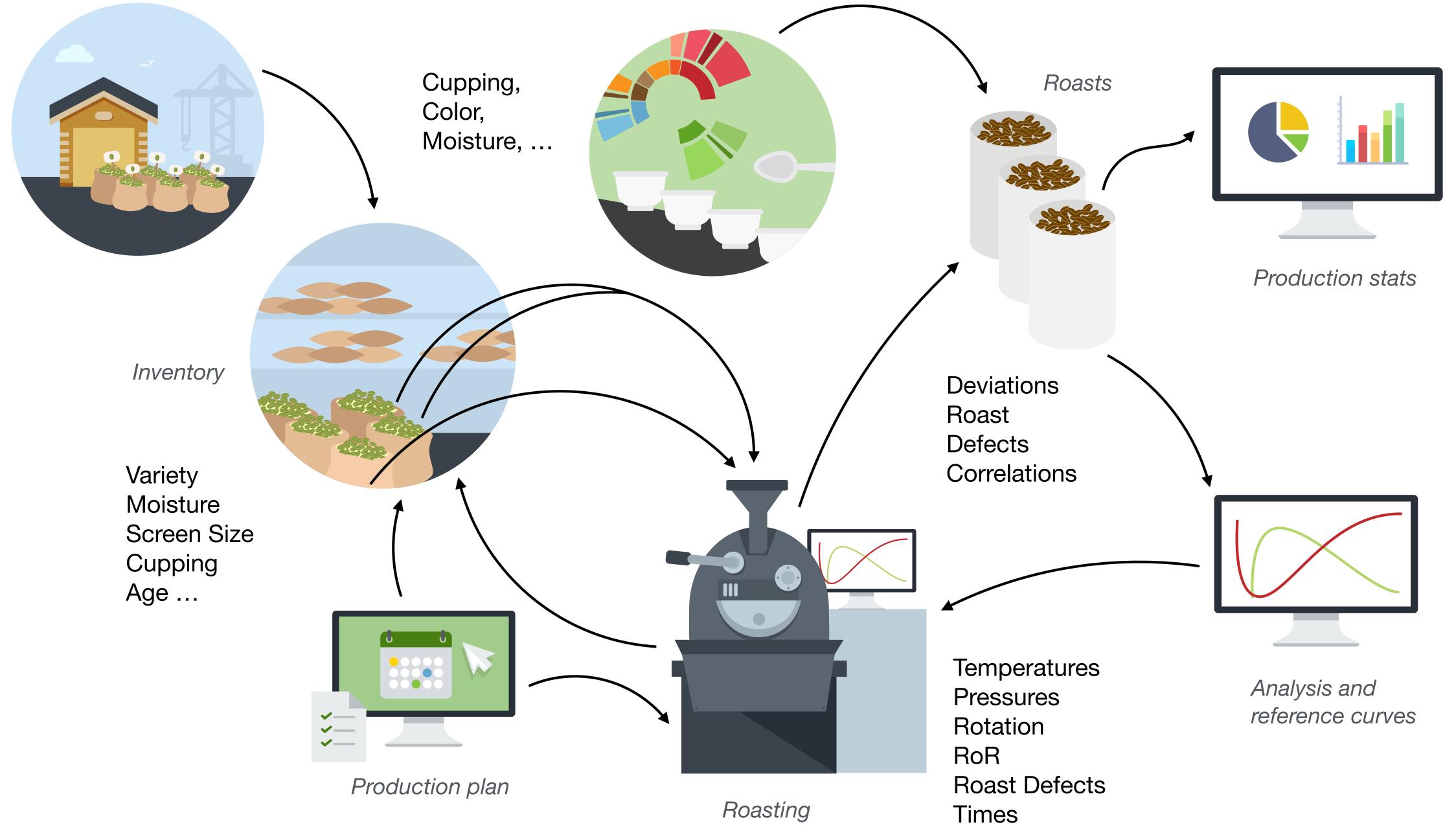
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## So where do we start?









## What does the process look like

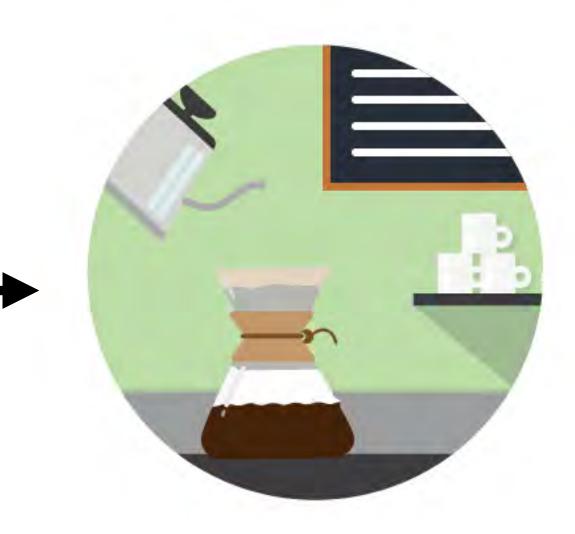




#### Origin & Green

Altitude, Location, Processing, Density, Water activity, Screen size, Defects, Cupping, Flavors, Storage time

Weight, Blending ratios Curves: Temperatures, RoR, Gas, Rotation, Pressures, Times, Roasting phases, Time of day, Batch number, Date



#### Roasting

### **Roasted Coffee**

Color, Moisture, Weight loss, Cupping, Brewing parameters, Results



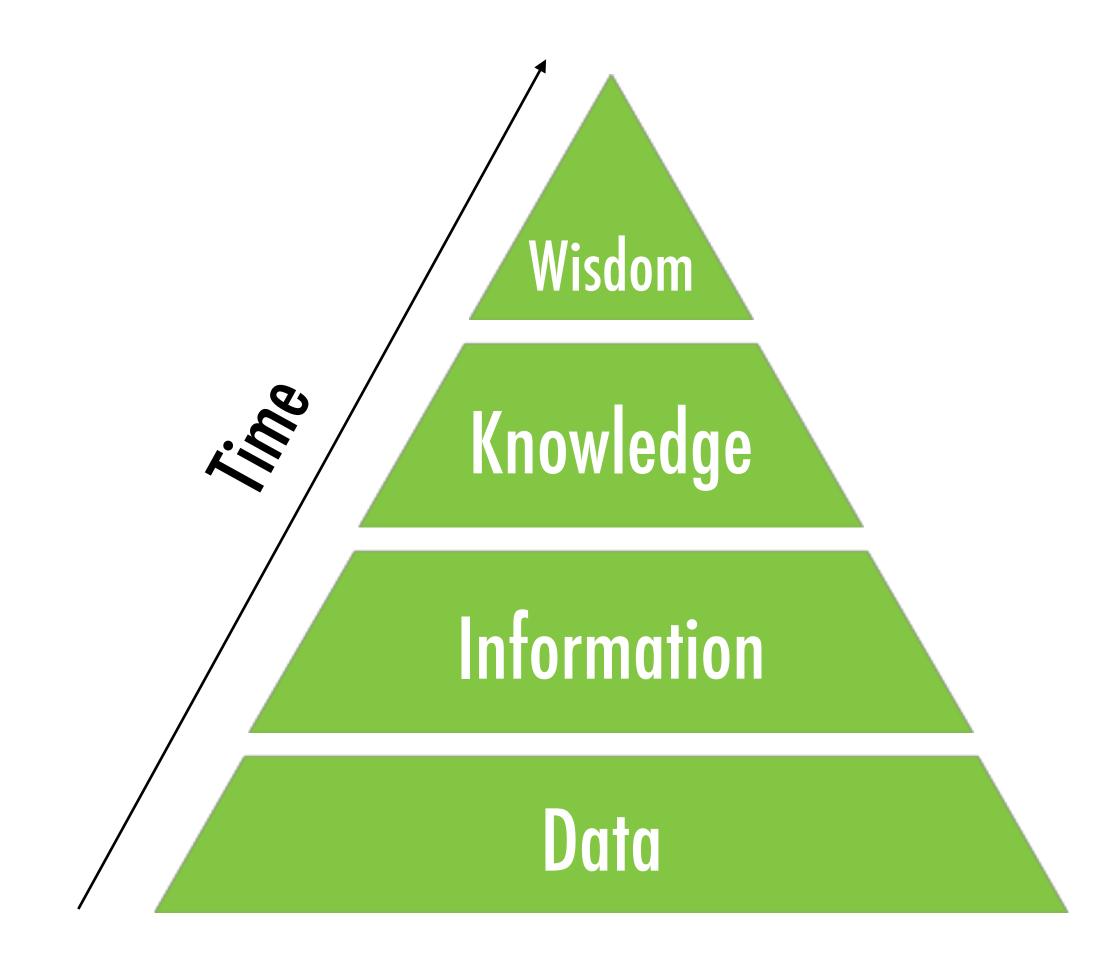




## Let's look at some examples



## SO, HOW DID WE GET THERE?



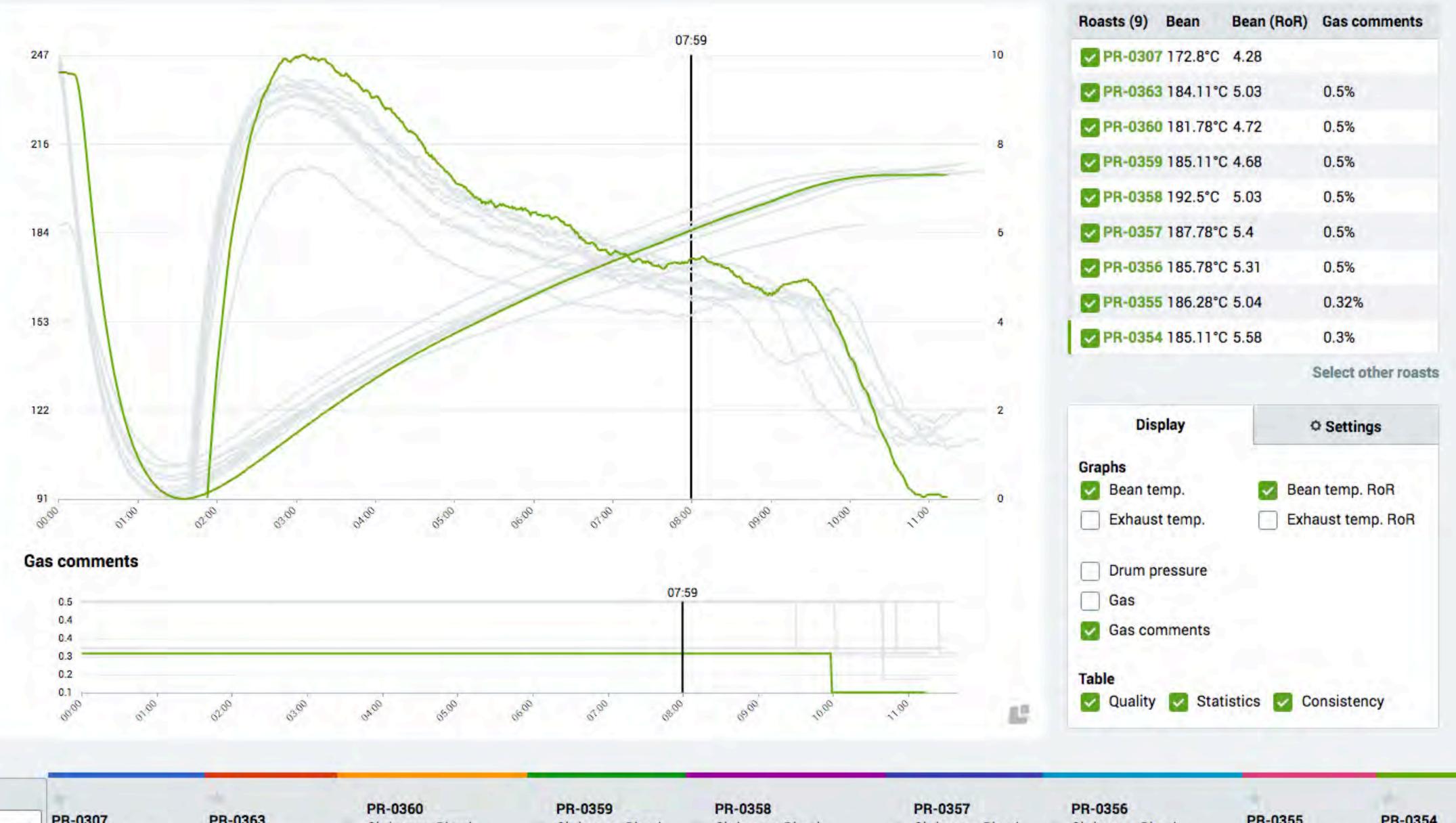
#### Improve profiles

#### Understand baking

Correlate cupping and roasts

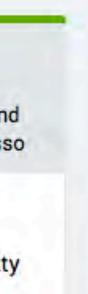
Cupping data and roast





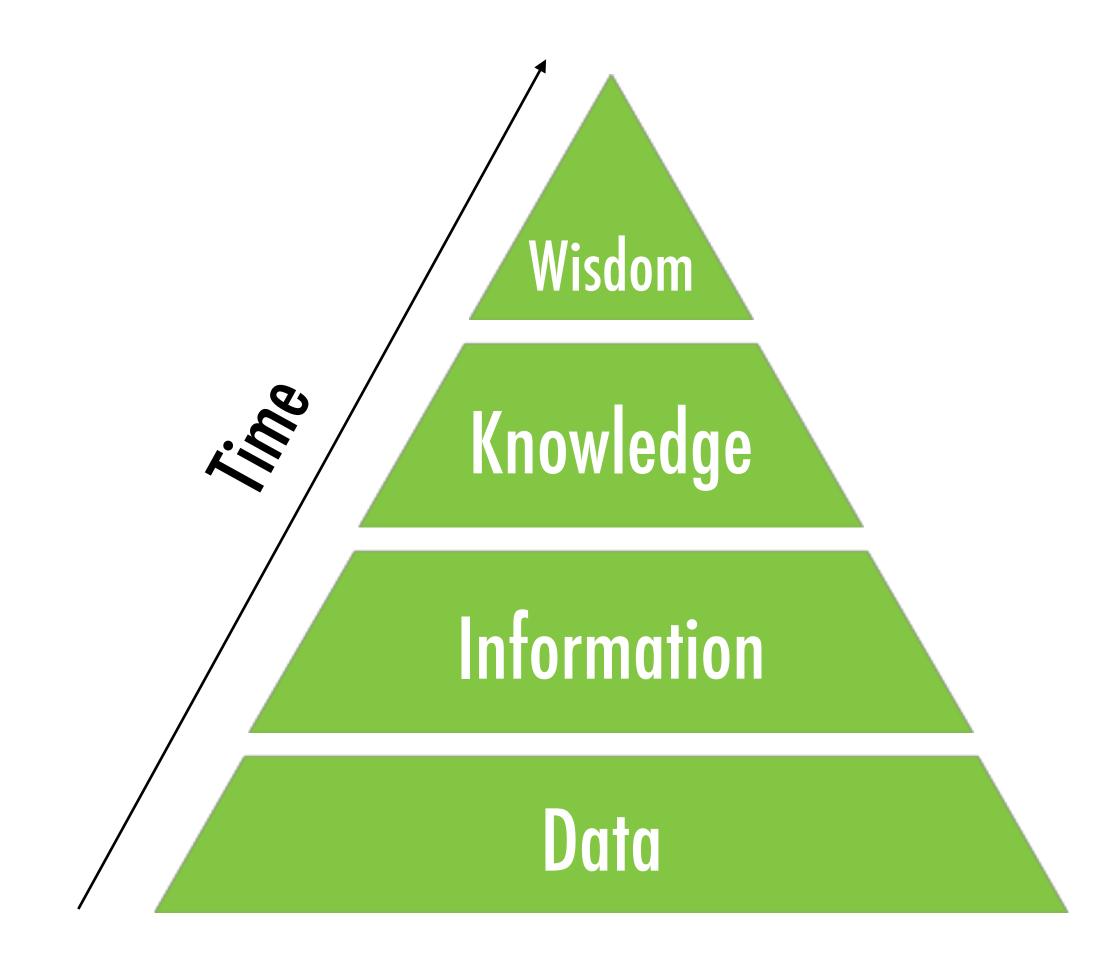
Quality	PR-0307 Burundi Natural Wien Burundi Natural	PR-0363 Christmas Blend Perfect Espresso	PR-0360 Christmas Blend Perfect Espresso	PR-0359 Christmas Blend Perfect Espresso	
Average	89.00	88.00	87.00	89.00	
Descriptors	Berry, Cranberry	Fruity, Star Fruit	Chocolate, Nutty, Over Roast	Berry, Clean, Strawberry	

PR-0355 PR-0354 **Christmas Blend Christmas Blend** Christmas Blend **Christmas Blend Christmas Blend** Perfect Espresso Perfect Espresso Perfect Espresso Perfect Espresso Perfect Espresso 88.00 84.00 86.00 86.00 87.00 Bittersweet Chocolate, Dried Bittersweet Chocolate, Apple, Fruity, Red Baked, Nutty Jasmine, Lemon Fruit, Nutty Black Pepper Apple





## SO, HOW DID WE GET THERE?



Improve storage, swap green coffee Understand development of quality Aggregate by time and profile Cupping, roast, time









# How does this help in coffee buying?

EXCLUSIVELY FOR

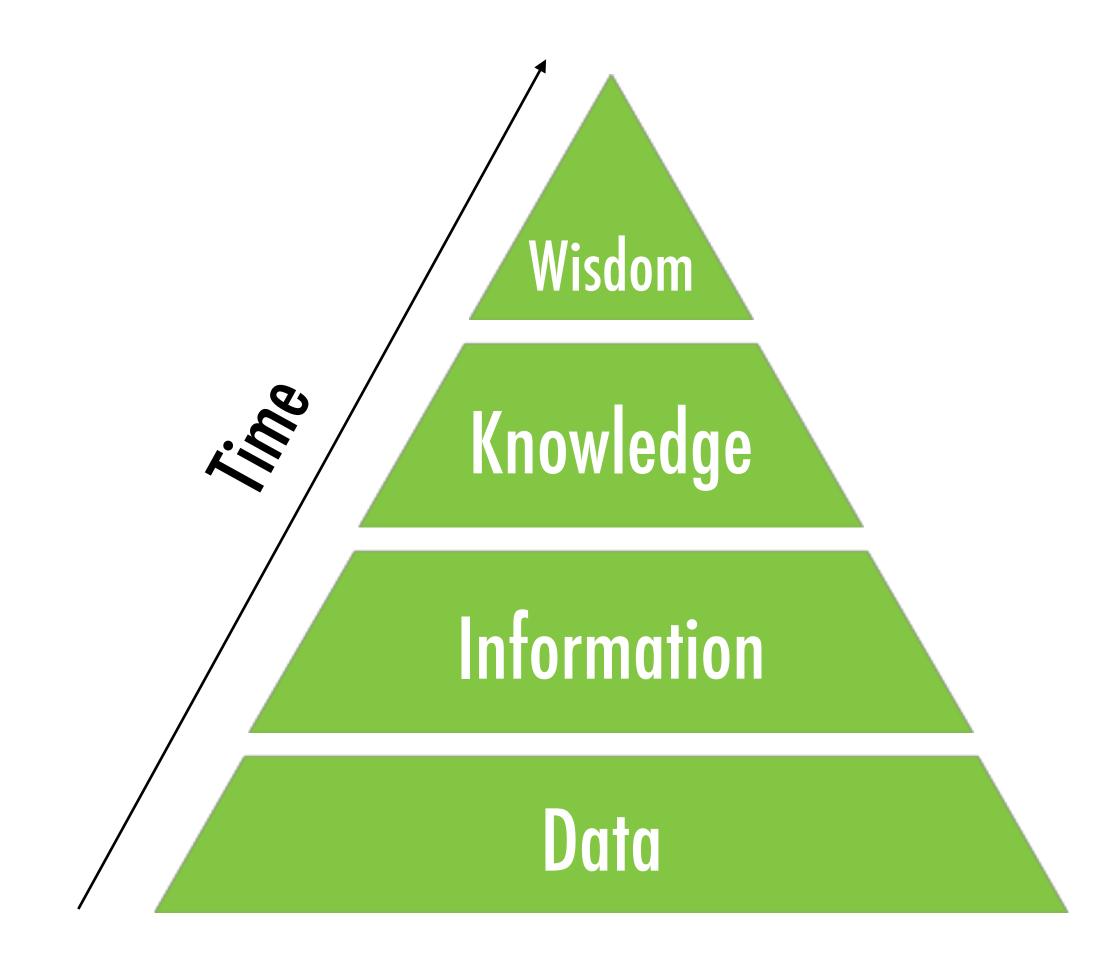
KAFFEEROES

#### SANTOS NY 2, SANTOS NY 2, FINE CUP

COOXUDE



## SO, HOW DID WE GET THERE?



Restock & buying decision support Run rate projection & usage over time Aggregate by time and profile Cupping, roast, time

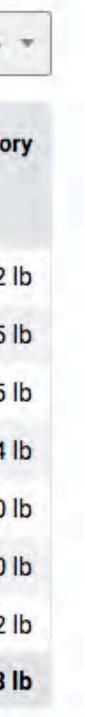




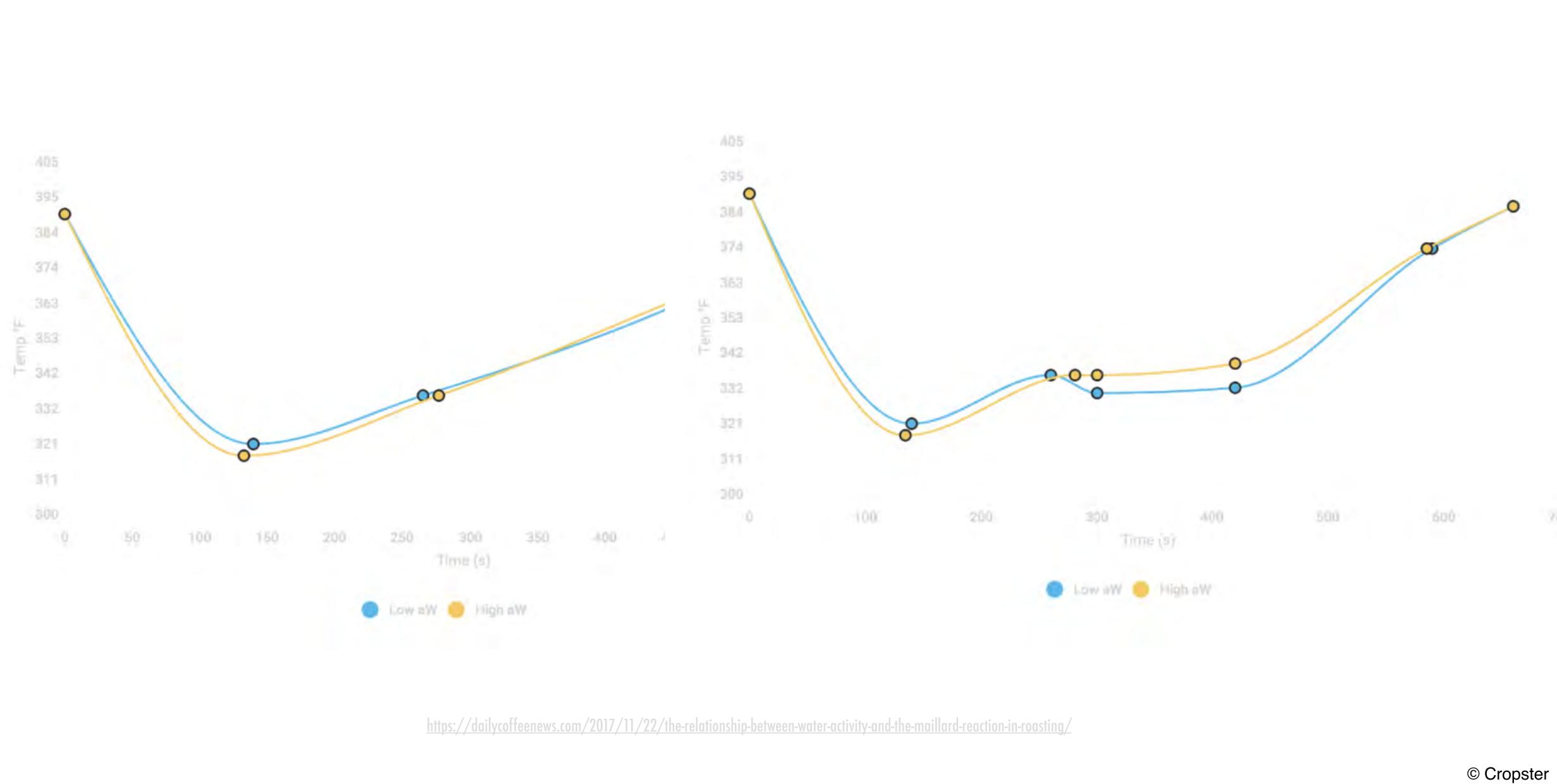
#### 

Lot-ID	Name	Amount of green 17	Amount (Bars)	Tendency to previous period	Amount P/W	Batches P/W	Current inventory
Filter	▼ Filter	*					
PG-0347	Las Plantas	4,427 lb		▼ -16.05% from 5,273 lb	344.32 lb	8	1,742 lb
PG-0301	El Morito	2,253 lb		+0.13% from 2,250 lb	175.23 lb	4	1,545 lb
PG-0348	El Milagro	1,800 lb		▲ +471.43% from 315 lb	140 lb	4	1,795 lb
PG-0551	San Isidro	1,396 lb			108.58 lb	3	3,204 lb
PG-0329	El Injerto	1,305 lb		▼ -23.68% from 1,710 lb	101.5 lb	3	90 lb
PG-0309	El Diamante	1,035 lb		▲ +15% from 900 lb	80.5 lb	2	0 lb
PG-0346	Vista al Bosque	90 lb		<ul> <li>-80% from 450 lb</li> </ul>	7 lb	1	2,022 lb
Total		12,306 lb					10,398 lb

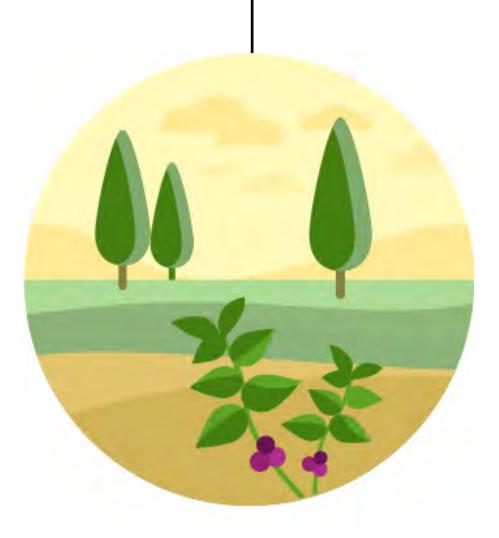
Show 1 - 7 of 7

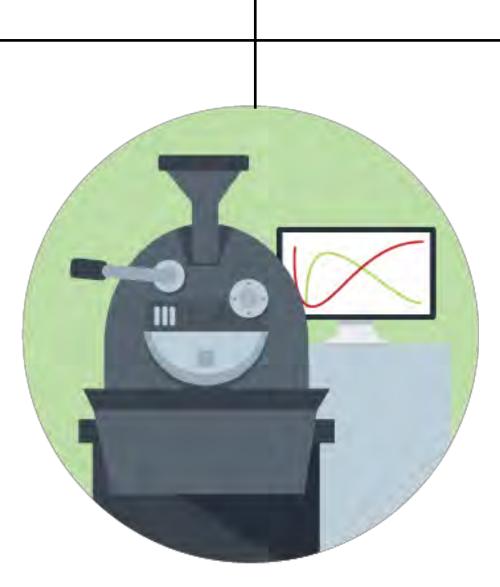






## Business Intelligence - Knowledge





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In 2011 a single Apple iPhone 4 had 2.7 times the processing power of the 1985 Cray-2 supercomputer. The most powerful computer of that era. Today everyone can leverage this enormous change to their benefit they simply need to know where to start!

### "







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# **Evaluation Forms**

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