Coffee Blends

Scan	Sensor Number
deluxe	6130007

Model: Coffee Blends, version 8abd3c74795b4a7bb36122c24728bf0e

Coffee Blend = Havana Deluxe

Ground Espresso-Roast Coffees

This model demonstrates a classification model for a selection of ground coffee samples, using near-infrared (NIR) spectroscopy data in the 900nm - 1700nm wavelength range. 200gm packets of the following ground espresso-roast coffee samples were purchased at a local supermarket and used to build the model.

Grind	Roast	Brand	Batch	Expiry Date
Espresso	'Oomph!'	Hummingbird Coffee	OOZC	11 Jan 2017
Espresso	'Five Star'	Havana Coffee Works		10 Jan 2017
Espresso	'Super Deluxe'	Havana Coffee Works		6 Feb 2017
Espresso	'Italian' Dark Roast	Robert Harris Coffee Roasters		5 July 2017 13:04
Espresso	'Roma' Dark Roast	Robert Harris Coffee Roasters		20 June 2017 23:02

Sampling Methodology

Training spectra were taken in batches of 10 samples, using the Sagitto iOS app. A new reference scan was taken immediately prior to each batch, using a 99% Spectralon reflectance standard placed directly against the quartz window of the Sagitto spectrometer. Approximately 2gm of ground coffee was placed in a 22mm glass vial (Bruker part number 83657) and scanned through the base of the vial. The vial was manually shaken after each scan to ensure that a representative selection of spectra were gathered from each sample.

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