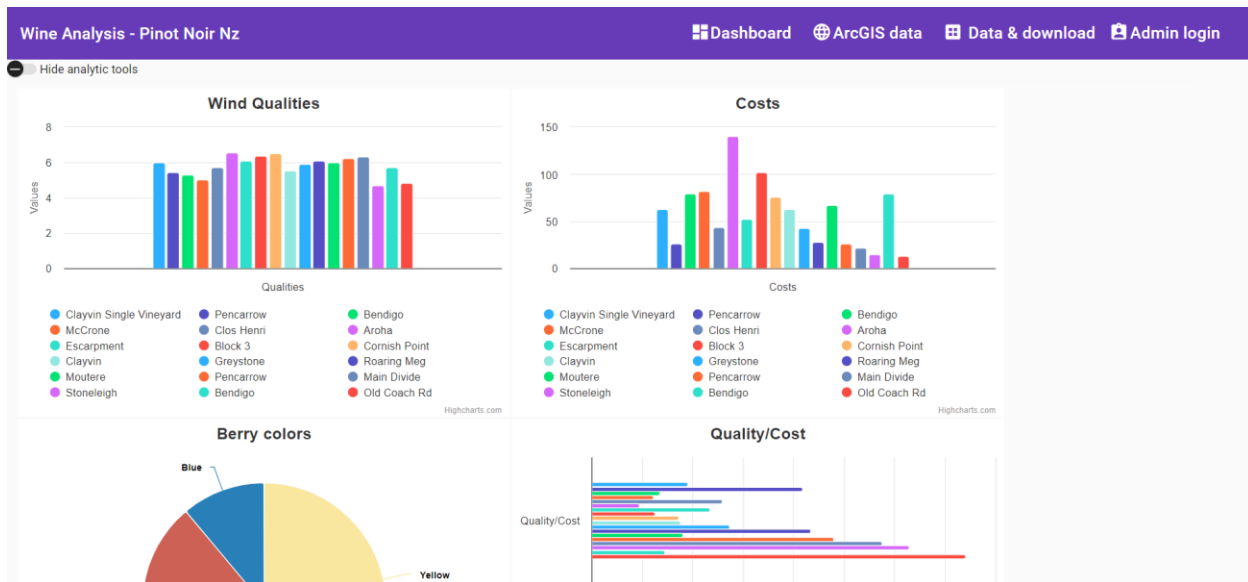


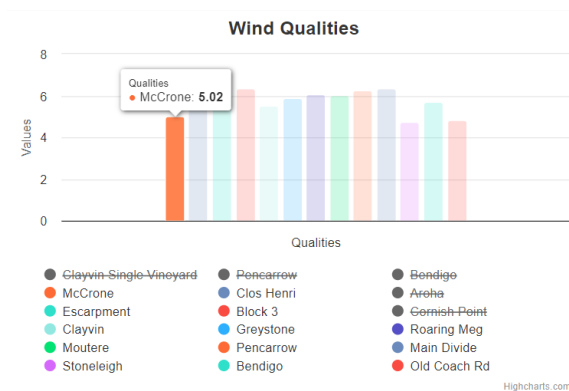
Wine Analysis – Pinot Noir

Dashboard

Wine quality is a complex concept that can be hard to define. Wine is a product destined to not only be consumed and appreciated but also marketed, and its quality, cost and berry colour are important characteristics that describe a wine’s sensory profile and, ultimately, add value to the finished product. We collect data from 8 different regions in New Zealand: Clayvin Single Vineyard, Pencarrow, Bendigo, McCrone, Clos Henri, Aroha, Escarpment, Block 3, Cornish Point, Clayvin, Greystone, Roaring Meg, Moutere, Pencarrow, Main Divide, Stoneleigh, Bendigo, Old Coach Rd.

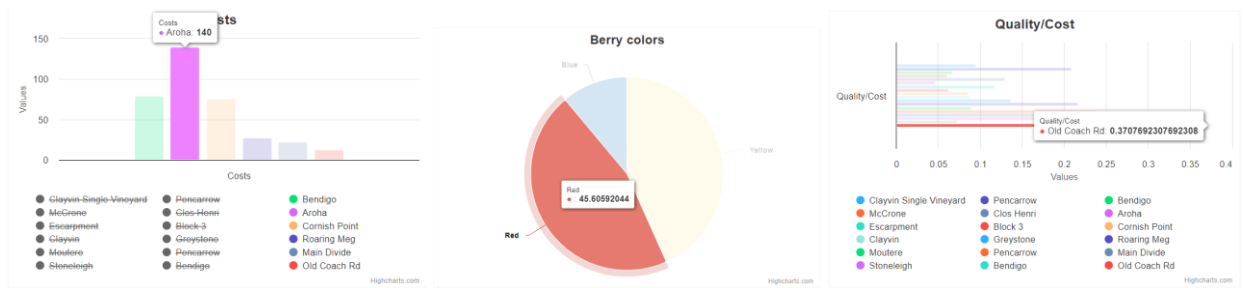


There are four graphs in the main screen: “Wind Qualities”, “Cost”, “Berry Colors” and “Quality/Cost”.

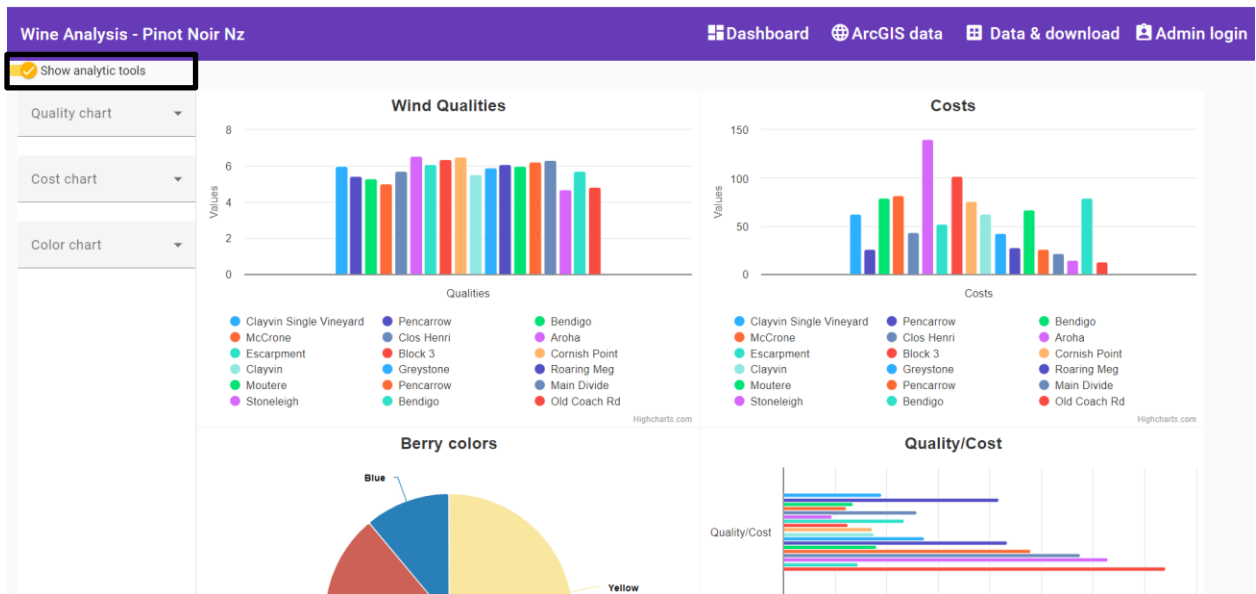


graph by omitting some regions

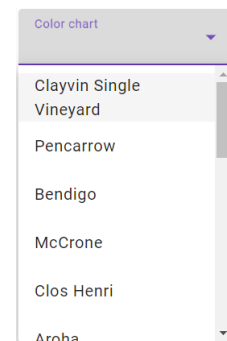
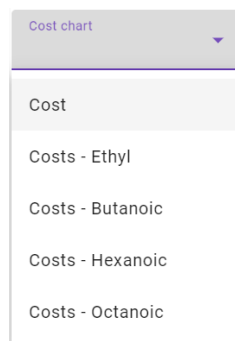
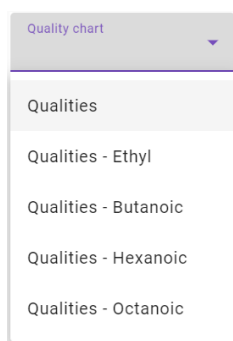
The web application allows users to adjust the bar



The information of each region is displayed when use mouse over.

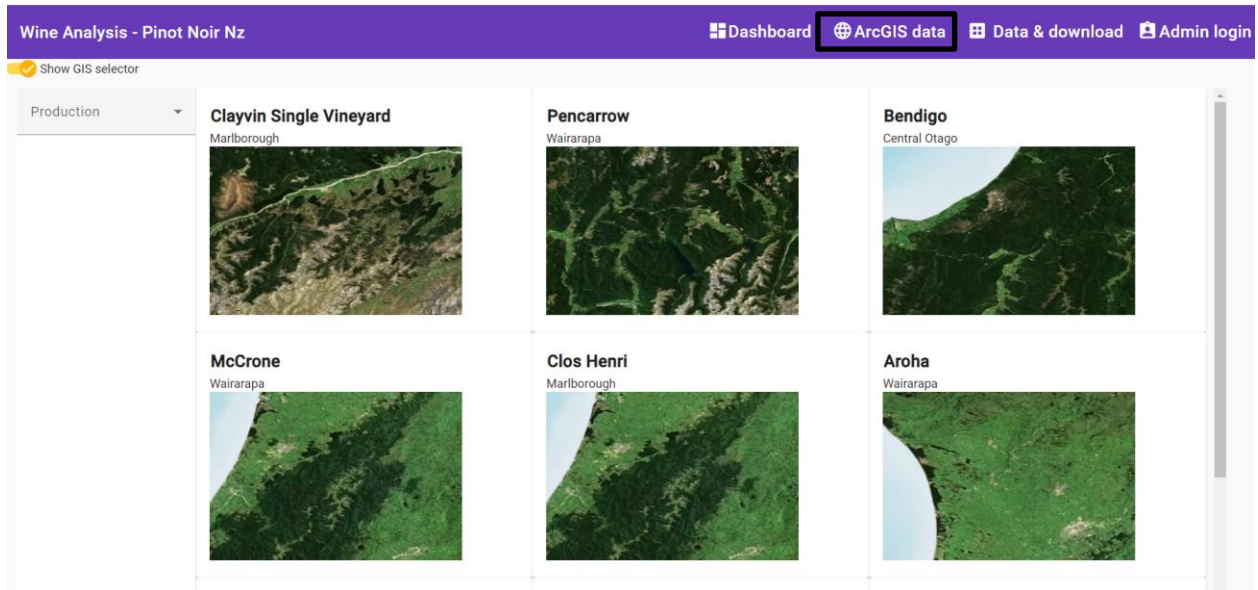


Users can select the slide toggle to show the filtering options. There are three filtering options for quality chart, cost chart and colour chart, as follows.

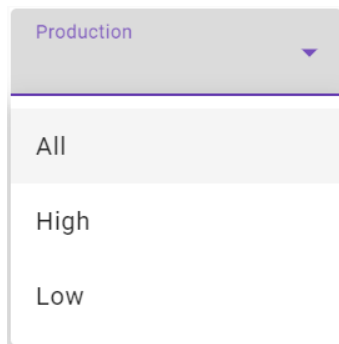


ArcGIS data

Using the agriculture geographic information system can be a tool for better decision making for quality (or quantity) grape growing and wine making. The web application illustrates the agriculture geographic information (2013, 2016) of the 18 regions around New Zealand.



The web application can show the agriculture geographic information of the region with high production or low production, following the selection of users.



Data and Download

The web application shows the metadata of the 18 regions in New Zealand, which contains the producer data, vineyard data and vintage data etc. To see this information, user can click on the “Metadata” tab.

Wine Analysis - Pinot Noir Nz

Dashboard

ArcGIS data

Data & download

Admin login



















Metadata

Physical data

Download

Filter Table

Add

ID	Producer	Vineyard	Region	Uses	Harvest	Yield	Viticulture	Options
2013G_2018	Giesen 13	Clayvin Single Vineyard	Marlborough	Premium	Hand	Low	Organic	 
2013P_2018	Palliser 13	Pencarrow	Wairarapa	Commercial	Machine	Moderate	Conventional	 
2013QR_2018	Quartz Reef 13	Bendigo	Central Otago	Premium	Hand	Low	Organic	 
2016AR_2018	Ata Rangī	McCrone	Wairarapa	Premium	Hand	Low	Organic	 
2016CH_2018	Clos Henri	Clos Henri	Marlborough	Premium	Hand	Low	Organic	 
2016CR_2018	Craggy Range	Aroha	Wairarapa	Premium	Hand	Low	Conventional	 
2016E_2018	Escarpment	Escarpment	Wairarapa	Premium	Hand	Low	Organic	 
2016FRB3_2018	Felton Road	Block 3	Central Otago	Premium	Hand	Low	Organic	 
2016FRCP_2018	Felton Road	Cornish Point	Central Otago	Premium	Hand	Low	Organic	 

Also, the physical data, which is important information for the wine quality analysis, is shown in the web application. User can click on the “Physical data” tab to see this information.

Wine Analysis - Pinot Noir Nz

Dashboard

ArcGIS data

Data & download

Admin login



















Metadata

Physical data

Download

Filter table

Add

ID	TA	Total_Sulphur	Gluc_Fruc	Total_phenolics	pH	Free_Sulphur	Ethanol	Options
2013G_2018	0.93153	0.31667	0.45214	0.78255	0.95491	0.19231	1	 
2013P_2018	0.98559	0.46667	0.58974	0.99293	0.92838	0.46154	0.96685	 
2013QR_2018	0.87748	0.35	0.28034	1.00005	0.97082	0.23077	0.97632	 
2016AR_2018	0.83063	0.51667	0.27949	0.91037	0.98674	0.69231	0.92963	 
2016CH_2018	0.8973	0.6	0.25214	0.65929	0.95756	0.30769	0.94181	 
2016CR_2018	0.96577	0.36667	0.40598	0.67613	0.93634	0.53846	0.96888	 
2016E_2018	1	0.39167	0.25385	0.87958	0.93369	0.61538	0.96482	 
2016FRB3_2018	0.83243	0.51667	0.34615	0.5356	0.98674	0.57692	0.91137	 
2016FRCP_2018	0.83423	0.55	0.27692	0.5257	0.98939	1	0.94655	 

Remark: these two data can be edited by the Administrator user only.








In case the non-administrative users click on the options to arrange the data, the web application will alarm the message “Only admins and superusers are allowed”.

localhost:4200 says

Only admins and superusers are allowed.



Furthermore, the relevant data to wind quality analysis are available in the web application for downloading. User can click on the “Download” tab.

Wine Analysis - Pinot Noir Nz			
<div>DashboardArcGIS dataData & downloadAdmin login</div>			
Metadata		Physical data	Download
No.	Dataset	Description	Download (.xlsx)
1	Metadata	This data is detailed on harvesting, producers and etc.	
2	Physical_Data	This data is detailed on physical properties of the berry.	
3	AromaLincoln	This data is detailed on the aroma of 18 bottles of wine, from different regions.	
4	Berry_OD	This data contains the berry OD, based on different chemical characters	
5	Color_Lincoln	This data give details of the colors of berry from different regions	
6	Comp_Kea_Berry_Vs_AWRI	This data is detailed on the wine composition such a water, ethanol, pH and etc.	
7	Oenological_analysis_PFR	Oenological analysis, rigorous quality control that guarantees that the wine is safe and of the highest quality.	

Admin login

Administrator users can sign in for arranging the metadata and physical data, by inputting email addresses and password in the “Admin login” screen.

The screenshot shows the 'Admin login' interface. At the top, a purple navigation bar contains the text 'Wine Analysis - Pinot Noir Nz' on the left and four menu items on the right: 'Dashboard', 'ArcGIS data', 'Data & download', and 'Admin login' (which is highlighted with a black border). Below the navigation bar, a central white box titled 'Sign In' contains two input fields: 'EMAIL' and 'PASSWORD'. Below these fields is a 'Login' button.

This screenshot shows the 'Sign In' form with the email address 'sarawoot.somin@lincoln.ac.nz' entered in the 'EMAIL' field and a masked password '*****' in the 'PASSWORD' field. The 'Login' button is now a solid purple color.

After the administrator user signing in, the web application will show “Signed in” status.

The screenshot shows the application interface after a successful login. The purple navigation bar now displays 'Signed in (sara.)' next to the other menu items. In the center of the page, a white box displays the text 'sarawoot.somin@lincolnuni.ac.nz, signed in' and a purple 'Logout' button.

The administrator users are allowed to edit-delete-update the data.

Wine Analysis - Pinot Noir Nz

Dashboard

ArcGIS data

Data & download

Admin login

Metadata

Physical data

Download

Filter table

Add

ID	TA	Total_Sulphur	Gluc_Fruc	Total_phenolics	pH	Free_Sulphur	Ethanol	Options
2013G_2018	0.93153	0.31667	0.45214	0.78255	0.95491	0.19231	1	<div></div> <div></div>
2013P_2018	0.98559	0.46667	0.58974	0.99293	0.92838	0.46154	0.96685	<div></div> <div></div>
2013QR_2018	0.87748	0.35	0.28034	1.00005	0.97082	0.23077	0.97632	<div></div> <div></div>
2016AR_2018	0.83063	0.51667	0.27949	0.91037	0.98674	0.69231	0.92963	<div></div> <div></div>
2016CH_2018	0.8973	0.6	0.25214	0.65929	0.95756	0.30769	0.94181	<div></div> <div></div>
2016CR_2018	0.96577	0.36667	0.40598	0.67613	0.93634	0.53846	0.96888	<div></div> <div></div>
2016E_2018	1	0.39167	0.25385	0.87958	0.93369	0.61538	0.96482	<div></div> <div></div>
2016FRB3_2018	0.83243	0.51667	0.34615	0.5356	0.98674	0.57692	0.91137	<div></div> <div></div>
2016FRCP_2018	0.83423	0.55	0.27692	0.5257	0.98939	1	0.94655	<div></div> <div></div>

Wine Analysis - Pinot Noir Nz

Dashboard

ArcGIS data

Data & download

Admin login

Metadata

Physical data

Download

Filter Table

Add

ID	Producer	Options
2013G_2018	Giesen 13	<div></div> <div></div>
2013P_2018	Palliser 13	<div></div> <div></div>
2013QR_2018	Quartz Reef 13	<div></div> <div></div>
2016AR_2018	Ata Rangī	<div></div> <div></div>
2016CH_2018	Clos Henri	<div></div> <div></div>
2016CR_2018	Craggy Range	<div></div> <div></div>
2016E_2018	Escarpment	<div></div> <div></div>
2016FRB3_2018	Felton Road	<div></div> <div></div>
2016FRCP_2018	Felton Road	<div></div> <div></div>

Details of metadata

Closure

Screw cap

Harvest

Hand

Yield*

Low

Production

LowHigh

Viticulture*

Organic

Quality*

5.98

Cancel