

Student ID: 32444281 Has cafe Culture grown alongside vising rent? Student Name: Legas un. I Layout LINE Chart 1: Cafe Count Over Time. Sheet: 3, Initial Design > Y-axisi Number of cate. 2. focus line chart: Highlight Hood X-axis: Year (2003-2025) - cale and Restaurants coope and news evolue over time Nouspaper and Book Retailing showing possible correlation 2000 -Pubs Taverns and Bars. 1500 between them. - Take away food services. Res type: \_ Counti\_ 1000 --> Use colour hue to differentiate. Barchart: To visually rank 700 -> Annotation: '2003, spike begin' Suburbs/LG/As, highlight 100 -> Tool+ips: Show year; restaurant type, disparity between highest is lowest hightight inequality Small narrative label: "Lifestyle growth trend begins ..." inequality. -> little explaination to the chart Line chart 2: Median Rent Over Time Do1100x (4) 3. Operations: > Count December period Medican Yent. Line chart: ) y-axis: Median Rent \$ Ishow exact values per year. X-axis: Year. > Tooltip interaction: > Different series represent different when user hovers on 2020, point of Melbourne. both charts reveal 2020. > Colour hue difference for distinction \$400 -> highlight peak years > \$300 Filter: to toggle certegories via dickable markors. e.g. 2019. 2022 Cheek boxes.

Secreta

MAII \$200 to show spikes. 2001 2002 2003 Ban Charts: - Immer mel P bastom Mel > Hover over bar: reveals 1 Sciburb Nane, Number of cafe Bar, Chart: LGA Bow chart. Median Rewf 7 Fitzroy/cartorysanthyaria. X-axis: Number of cafe (in 2024 specific) -> click to highlight: > X-axis: Suburb/LG/A (Ranking Top 10) Woodthy Suburb Vs /600- revot. > Bour sorted Descending (highest at top) -> possible: 'show only top 10 Annototion out Highlight bours from Highest Vs lowest (8-10 boxs) 'show all melbourne (GAS) 4. Discussion: Surshire/ possible: > Requires clean yearly darea, Toggle Jashow only top 10 > Story relling may not clear. Theed clear labels I Show all Mel LGAS > Dato may be not clear enough to support Mimber of cafe

Has cafe Culture Grown Alongside Rising Rent? 1-LAYOUT Map (choropleth): Lighter colour= Darker Colour = more cases ( Colour saturation). >Mark: Area > Cafe Counti > Primary Channel: Colour saturation. > Median rent price (light to Dark) click on suburb striggers highlight beside Linked boar chart (Top Suburbs) > when Suburb clicked on map Matching bour glows/highlights. Scatter Plot: 1 Cafe count > X-axis: Median Rent Price. Y-axis= Count of cafe. > possible: Colour Grouping. Region category: eg. 5 Inner nelbourne Median Rent Price West melbourne. South Melbourn. > Purpose: Do LGAS with higher vent prices tend to have more cartes? > Mark: Circle (point) > Interaction: Tooltip> show exact yent t Position X: Rent Brice. Position y: Number of costes. >Highlight specific outilers. (possible) channel: Colour huc LGA region cutegory (clusters by geography)

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Sheet 4: Initial Design.4

2. Focus.

choropteth:

Different Colour scatteration: Ou icky identifies hospitality hotspate

> Mainly in 2024

Hover tooltip showing rafe count + rent value.

> show aligned left for quickly interpretation.

> Map show 'where'

Barrs show 'How'

Reinforcing inequality in
lifestyle access through linked

map and bour compavison.

3. Discussion.

> Local Government Act (264) requires marching Suburbs

X Name across datasets

Ausid undear or 400 many colours or high/tghts

may distract

-> Toothips or interaction should used to help understar 1. Lay out:

Title: code Culture us costing of living: who gots mel's

lifestyle: (Annotation insight): "Cafe access clusters in high-vent suburbs."

D. Choropleth Map: Cake density.

> Hover Tooltip: Suburb/LGAS, Rent, Cerfe count. > Colour Saturation highlight cate Culsters

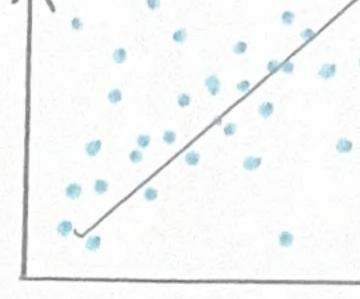
> click suburbs > link +0 bour chart, highlight on catterchart.

Suburb

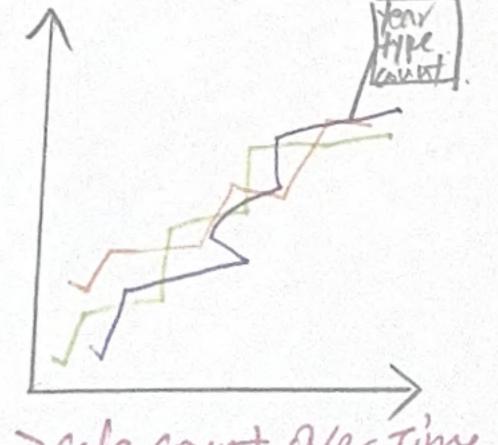
2) Pay chart

Restourants per LGA.

3) Scotter plot.



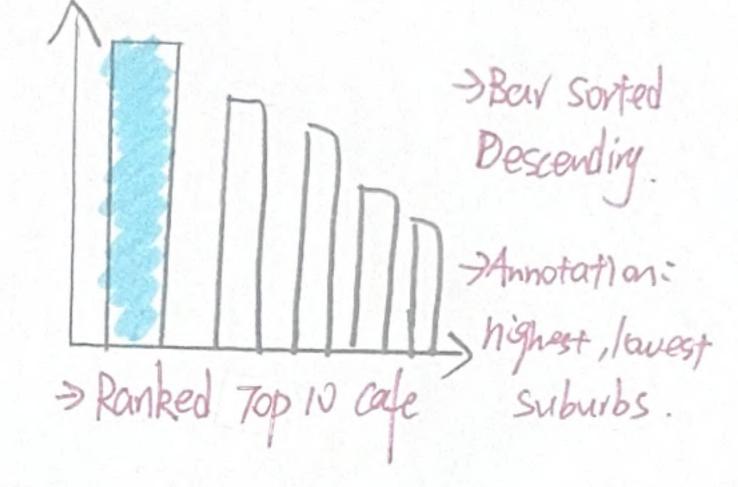
4 Line chart.



-> Cafe court Wer Time (2003-2024)

> Colour me: differentiate different parts.

> Tooltip: show year, restaurant type, > Filter: toggle cortegories via checkboxes.



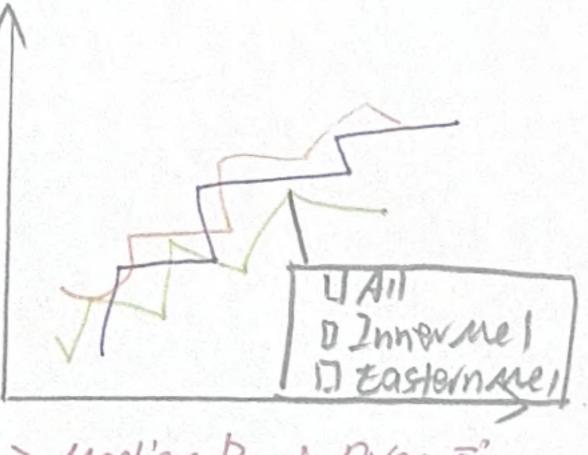
> Reint Vs cafe density.

x-axis: Median Rent (\$)

Y-axis: cute density / Count.

Color: LGA

> Annotations: Identify Outliers.



> Median Rent Over Time (2000-2024)

-> Use December Median Rout.

Student Mame: Leyao lin. Student ID: 32444281 Sheet 5 = Realization.

2. Focus:

> Expose inequality: linking.

- Greography (map)

- Magnitude (bost)

- Elonomic (scatter)

- Time (Line chart)

-> Key: higher Medlan Rent -> higher Cafe density.

3. Operations:

> Hover: Tooltip (LGI/2) Caste, Rout

>click on map suburb: highlights the match bar and point on

Scatter. ( cross-filter via sekation)

-> Click on bar: 200ms the map to that suburb and highlight its scatter point.

4- Degign Ideas:

> Map choroplethi light - Dark, singlehue blue for donstry. Outline suburb borders in light gray.

> Bar charti horizontal bars, bar

gets a bold stroke.

> Scatter plot: Neutral points with Selected point artlined, trend line faint for guidance.

- Annotations: High rent - high domsing