Preferencias, Función de Utilidad y Conjuntos Presupuestarios

Microeconomía - UTDT

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Contenidos

Conceptos útiles

- 2 Ejercicio 3.1
- 3 Ejercicio 3.4

Axiomas de regularidad

Monotonicidad

La relación de preferencia \succeq es **monótona** si $\forall x, y \in X$ tales que $x \gg y$, se cumple que $x \succ y$.

La relación de preferencia es **estríctamente monótona** si $x \ge y$, con $x \ne y$, vale que $x \succ y$.

Convexidad

La relación de preferencia \succeq es **convexa** si $\forall \mathbf{x}, \mathbf{y} \in \mathbf{X}$ tales que $\mathbf{x} \succeq \mathbf{y}$ y para todo $\alpha \in [0;1]$, se cumple que, dado un $\mathbf{z} \in \mathbf{X}$, $\mathbf{z} = \alpha \mathbf{x} + (1-\alpha)\mathbf{y}$ sucede que $\mathbf{z} \succeq \mathbf{y}$.

La relación de preferencia es **estríctamente convexa** si $x \ge y$, $x \ne y$ con $\alpha \in (0, 1)$ se da z > y.

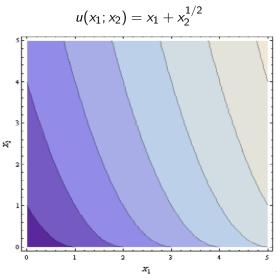
Contenidos

Conceptos útiles

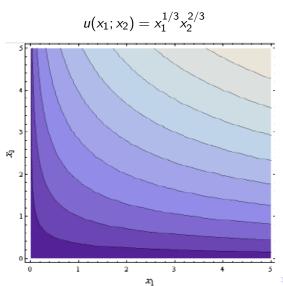
- 2 Ejercicio 3.1
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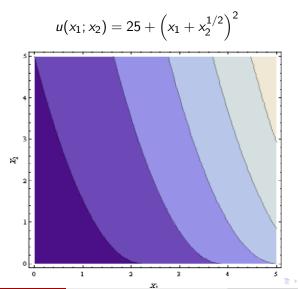
Inciso a)



Inciso b)

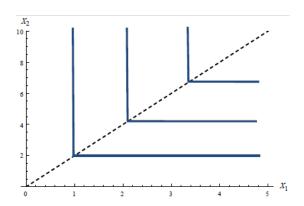


Inciso c)

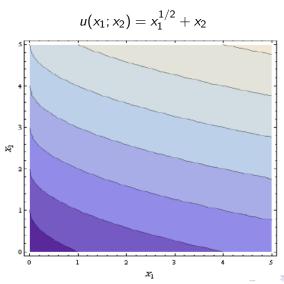


Inciso d)

$$u(x_1; x_2) = k \min\{2x_1; x_2\} + 3$$

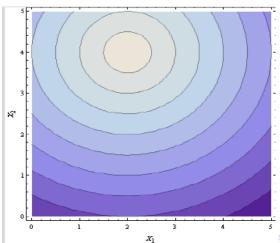


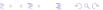
Inciso e)



Inciso f)

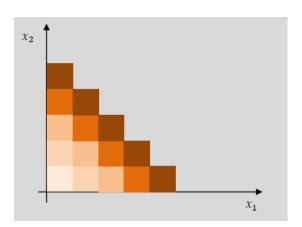
$$u(x_1; x_2) = -\sqrt{(x_1 - 2)^2 + (x_2 - 4)^2}$$





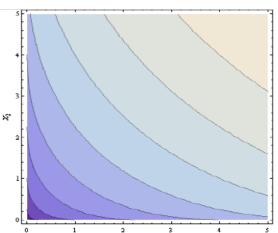
Inciso g)

$$u(x_1;x_2) = Int(x_1) + Int(x_2)$$

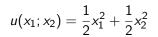


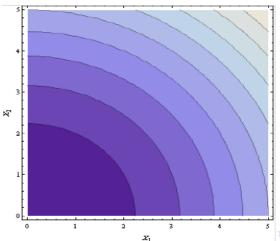
Inciso h)

$$u(x_1; x_2) = \frac{1}{2}\sqrt{x_1} + \frac{1}{2}\sqrt{x_2}$$



Inciso i)





Contenidos

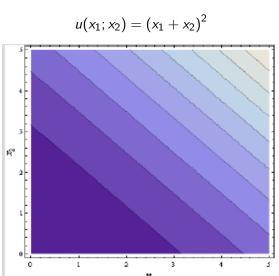
Conceptos útiles

2 Ejercicio 3.1

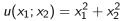
3 Ejercicio 3.4

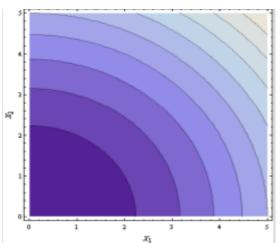


Inciso a)



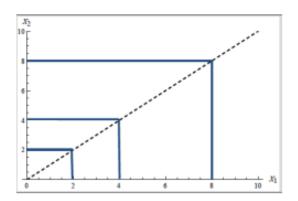
Inciso b)





Inciso c)

$$u(x_1; x_2) = \max ax_1; bx_2$$



Inciso c)

$$u(x_1; x_2) = ln[x_1 + v(x_2)]$$

Para graficar, usamos $v(x_2) = In(x_2)$.

