((offender OR offenders OR crimin\*) AND ("choic\* model\*") AND ("crime\* locat\*" OR "crime\* pattern\*" OR "locat\* choic\*" OR "spatial\* choic\*" OR "target\* select\*"))

((offen\* OR crimin\*) AND ("choic\* model\*") AND ("crime\* locat\*" OR "crime\* pattern\*" OR "locat\* choic\*" OR "spatial\* choic\*" OR "target\* select\*"))

(offend OR offender OR offenders OR crime OR criminal OR criminals) AND ("choice model" OR "choice models") AND ("crime location" OR "crime pattern" OR "location choice" OR "spatial choice" OR "target choice")

((offen\* OR crimin\*) AND ("choic\* model\*") AND ("crime\* locat\*" OR "crime\* pattern\*" OR "locat\* choic\*" OR "spatial\* choic\*" OR "target\* select\*"))

(("offen\*" OR "crime\*" OR "criminal\*") AND ("awareness pace" OR "opportunity" OR "journey to crime" OR "offender mobility" OR "opportunity" OR "crime pattern theory") AND ("discrete choice model\*" OR "choice model\*" OR "location choice" OR "target selection" OR "crime location"))

(offen\* OR crime\* OR criminal\* OR burglar\* OR robber\*) AND (discrete choice\* OR "choice model\*" OR "discrete spatial choice" OR "discrete choice framework" OR "crime pattern theory" OR "awareness pace" OR "opportunity" OR "journey to crime" OR "offender mobility") AND ("location choice" OR "location choices" OR "offending location choice" OR "crime location" OR "crime location choice" OR "target selection" OR "crime site selection")

(offend\* OR crime\* OR criminal\* OR burglar\* OR robber\*) AND ("discrete choice\*" OR "choice model\*" OR "discrete spatial choice" OR "discrete choice framework" OR "crime pattern theory" OR "awareness space" OR opportunity OR "journey to crime" OR "offender mobility" OR whereabouts OR "human mobility" OR "spatial exploration" OR "preferential return" OR accessibility OR attractiveness ) AND ("location choice" OR "location choices" OR "offending location choice" OR "crime location" OR "crime location choice" OR "target selection" OR "crime site selection")

((offend\* OR criminal\* OR burglar\* OR robber\*) AND ("discrete choice model\*" OR "choice model\*" OR "discrete spatial choice" OR "discrete choice framework" OR "crime pattern theory" OR "awareness space" OR "opportunity" OR "journey to crime" OR "offender mobility" OR whereabouts OR "human mobility" OR "spatial exploration" OR "preferential return" OR accessibility OR attractiveness) AND ("location choice\*" OR "location choices" OR "offending location choice" OR "crime location" OR "crime location choice" OR "target selection" OR "crime site selection"))

(offender\* OR crime OR criminal\* OR burglar\* OR robber\*) AND ("discrete choice\*" OR "choice model\*" OR "discrete spatial choice" OR "awareness space" OR "opportunity" OR "journey to crime" OR "mobility" OR accessibility OR attractiveness OR crime pattern) AND ("location choice\*" OR "offending location choice" OR "crime location choice" OR "target selection" OR "crime site selection")

(offend\* OR criminal\* OR burglar\* OR robber\*) AND ("discrete choice\*" OR "choice model\*" OR "discrete spatial choice" OR "awareness space" OR "opportunity" OR "journey to crime" OR "mobility" OR accessibility OR attractiveness OR crime pattern) AND ("location choice\*" OR "offending location choice" OR "crime location choice" OR "target selection" )

(offend\* OR criminal\* OR burglar\* OR robber\* OR "adolescent offender\*" OR "juvenile offender\*" OR "adult offender\*") AND

("burglary" OR "robber\*" OR "crime") AND

("discrete choice\*" OR "choice model\*" OR "discrete spatial choice" OR "awareness space" OR "opportunity" OR "journey to crime" OR "whereabouts" OR "mobility" OR accessibility OR attractiveness OR "crime pattern") AND

("location choice\*" OR "offending location choice" OR "crime location choice" OR "target selection")

(offend\* OR criminal\* OR burglar\* OR robber\*) AND ("census block" OR "census tract" OR "postal code area" OR "neighborhood" OR "street segment" OR "grid cell" OR "community" OR "residential suburb" OR "residential property" OR "census statistical area" OR "small areas" OR "LSOA" OR "statistical local areas" OR "other administrative unit") AND

("location choice\*" OR "offending location choice" OR "crime location choice" OR "target selection")

((offen\* OR crimin\*) AND ("choic\* model\*" OR "routin\* activ\*") AND ("crime\* pattern\*" OR "discret\* spatial\*" OR "locat\* choic\*" OR "ration\* choic\*" OR "spatial\* choic\*" OR "target\* select\*"))

((offen\* OR crimin\*) AND ("choic\* model\*" OR "routin\* activ\*" OR whereabout\*) AND ("crime\* pattern\*" OR "discret\* spatial\*" OR "locat\* choic\*" OR "ration\* choic\*" OR "spatial\* choic\*" OR "target\* select\*"))

(("choic\* model\*" OR "routin\* activ\*") AND ("crime\* pattern\*" OR "discret\* spatial\*" OR "locat\* choic\*" OR "ration\* choic\*" OR "spatial\* choic\*" OR "target\* select\*"))

((offen\* OR crimin\*) AND ("choic\* model\*") AND ("crime\* locat\*" OR "crime\* pattern\*" OR "locat\* choic\*" OR "spatial\* choic\*" OR "target\* select\*"))

With residential history

((offen\* OR crimin\*) AND ("choic\* model\*" OR "residenti\* histori\*") AND ("crime\* locat\*" OR "crime\* pattern\*" OR "locat\* choic\*" OR "spatial\* choic\*" OR "target\* select\*"))

Working one:

((offen\* OR crimin\* OR burglar\* OR robber\*) AND ("choic\* model\*" OR "discrete choic\*" OR "residenti\* histori\*" OR "predict\*" OR "whereabout\*" OR "attractiveness" OR "opportunit\*" OR "accessibilit\*" OR "decision-making" OR "barrier\*" OR "connector\*" OR "macro-level") AND ("crime\* locat\*" OR "crime\* pattern\*" OR "locat\* choic\*" OR "spatial\* choic\*" OR "target\* select\*" OR "future crime\*" OR "offend\* locat\*" OR "spatial spillover"))

((offen\* OR crimin\* OR burglar\* OR robber\*) AND ("choic\* model\*") AND ("crime\* locat\*" OR "crime\* pattern\*" OR "locat\* choic\*" OR "spatial\* choic\*"))

(offen\* OR burglar\* OR robber\* OR adolescent\*)

AND

("location choice\*" OR "crime location\*" OR "offending location choice\*" OR "crime location choice\*" OR "spatial choice\*" OR "target selection" OR "choice model\*" OR "decision making" OR modeling OR opportunit\* OR accessibilit\* OR awareness OR "residential histor\*" OR whereabout\*)

AND

(crime\* OR burglar\* OR robber\* OR "future crime\*" OR "residential burglary" OR "street robber\*" OR "commercial robber\*")

AND

(barrier\* OR connector\* OR "urban neighborhood\*" OR "activity space\*" OR "distance decay" OR "cash econom\*")

(offen\* OR burglar\* OR robber\* OR adolescent\*) AND ("location choice\*" OR "crime location\*" OR "offending location choice\*" OR "spatial choice\*" OR "target selection" OR "choice model\*" OR "decision-making\*" OR modeling OR opportunit\* OR accessibilit\* OR awareness OR "residential histor\*" OR whereabout\*) AND ("future crime\*" OR "residential burglary" OR "street robber\*" OR "commercial robber\*") AND (barrier\* OR connector\* OR "urban neighborhood\*" OR "activity space\*" OR "distance decay" OR "cash econom\*")

(("offender\*" OR "crime\*" OR "criminal\*" OR "burglar\*" OR "robber\*" OR "adolescent\*") AND ("discrete choice model\*" OR "choice model\*") AND (opportunit\* OR accessibilit\* OR awareness OR "residential histor\*" OR whereabout\* OR "activity space\*" OR "distance decay" OR "cash econom\*") AND ("location choice\*" OR "crime location\*" OR "offending location choice\*" OR "spatial choice\*" OR "target selection" OR "choice model\*" OR "decision-making\*"))

(("location choice\*" OR "crime location\*" OR "spatial choice\*" OR "target selection" OR "offending location\*" OR "predict crime\*" "future crime\*")

AND

(offen\* OR burglar\* OR robber\*)

AND

(opportunit\* OR accessibilit\* OR awareness\* OR "residential history" OR whereabout\* OR barrier\* OR connector\* OR "journey to crime\*" OR "activity space\*" OR "activity node\*" OR "distance decay\*" OR "crime attractors\*" OR "crime generators\*" OR "crime\* pattern\*") )

((offen\* OR crimin\*) AND ("choic\* model\*" OR opportunit\* OR accessibilit\* OR awareness\* OR "residential history" OR whereabout\* OR barrier\* OR connector\* OR "journey to crime\*" OR "activity space\*" OR "activity node\*" OR "distance decay\*" OR "crime attractors\*" OR "crime generators\*") AND ("crime\* locat\*" OR "crime\* pattern\*" OR "locat\* choic\*" OR "spatial\* choic\*" OR "target\* select\*"))

((offen\* OR crimin\*) AND ("choic\* model\*" OR opportunit\* OR accessibilit\* OR awareness\* OR "residential history" OR whereabout\* OR barrier\* OR connector\* OR "journey to crime\*" OR "activity space\*" OR "activity node\*" OR "distance decay\*" OR "crime attractors\*" OR "crime generators\*") AND ("crime\* locat\*" OR "locat\* choic\*" OR "spatial\* choic\*" OR "target\* select\*"))

((offen\* OR criminal\* OR burglar\* OR robber\* OR juvenile\* OR adult\* OR migrant\* OR repeat\* OR co-offend\*)

AND ("crime location choic\*" OR "discrete choic\*" OR "rational choic\*" OR "decision-making" OR "spatial choic\*" OR "residenti\* history" OR "opportunit\*" OR "accessibilit\*" OR "attractiveness" OR "activity spac\*" OR "barrier\*" OR "connector\*" OR "spatial decision-making" OR "street network" OR "offender movement" OR "target selection" OR "crime pattern\*" OR "routine activities" OR "surveillance" OR "guardianship")

AND ("crime\* locat\*" OR "street robbery" OR "residential burglary" OR "crime pattern\*" OR "neighborhood crime" OR "offense locat\*" OR "urban neighborhood\*" OR "future crime\*" OR "target selection" OR "offender proximity" OR "spatial spillover"))

((offen\* OR crimin\* OR burgalri\* OR robberi\*) AND ("choic\* model\*" OR residenti\* OR commerci\* OR street\*) AND ("crime\* locat\*" OR "pattern\*" OR "locat\* choic\*" OR "spatial\* choic\*" OR "target\* select\*"))

((offen\* OR crim\* OR burgalr\* OR robber\*) AND ("choic\* model\*" OR decision-mak\* OR "predict\* locat\*") AND ("crime\* locat\*" OR "crime\* pattern\*" OR "locat\* choic\*" OR "spatial\* choic\*" OR "target\* select\*"))

(("offen\*" OR "crime\*" OR "criminal\*") AND ("discrete choice model\*" OR "choice model\*") AND ("location choice" OR "target selection" OR "crime location"))

(("offender\*" OR "offending" OR "burglar\*" OR "robber\*" OR "street robber\*" OR "commercial robber\*" OR "residential burglar\*" OR "commercial burglar\*") AND ("crime location choice" OR "discrete choice model\*" OR "offender decision-making" OR "target choice" OR "target selection" OR "spatial choice") AND (opportunit\* OR accessibilit\* OR awareness\* OR "residential histor\*" OR whereabout\* OR "distance decay" OR "attractiveness" OR "barrier\*"))

(("offen\*" OR "crim\*" OR "burglar\*" OR "robber\*") AND ("discrete choice\*" OR "location choice" OR "decision-making" OR "target choice" OR "target selection" OR "crime location" OR "location") AND (opportunit\* OR accessibilit\* OR awareness OR "residential histor\*" OR whereabout\* OR "activity space\*" OR "distance decay" OR "cash econom\*") )

(("offend\*" OR "burglar\*" OR "robber\*" OR "street robber\*" OR "commercial robber\*" OR "residential burglar\*" OR "commercial burglar\*") AND ("crime location" OR "location" OR "discrete choice\*" OR "location choice" OR "decision-making" OR "target choice" OR "choice of target" OR "target selection" OR "spatial choice") AND (opportunit\* OR accessibilit\* OR awareness\* OR "residential histor\*" OR whereabout\* OR "distance decay" OR "attractiveness" OR "barrier\*"))

(("crim\*" OR "offend\*" OR "burglar\*" OR "robber\*" OR "street robber\*" OR "commercial robber\*" OR "residential burglar\*" OR "commercial burglar\*") AND ("location choice" OR "site selection" OR "discrete choice\*" OR "discrete spatial choice\*" OR "decision-making" OR "target choice" OR "choice of target" OR "target selection" OR "spatial choice") AND (opportunit\* OR accessibilit\* OR awareness\* OR "residential histor\*" OR whereabout\* OR "distance decay" OR "attractiveness" OR "barrier\*"))

(("offend\*" OR "burglar\*" OR "robber\*" OR "street robber\*" OR "commercial robber\*" OR "residential burglar\*" OR "commercial burglar\*") AND ("crime location choice" OR "discrete choice\*" OR "criminal decision-making" OR "offender decision-making" OR "target choice" OR "choice of target" OR "target selection\*" OR "spatial choice") AND (opportunit\* OR accessibilit\* OR awareness\* OR "residential histor\*" OR whereabout\* OR "distance decay" OR "attractiveness" OR "barrier\*"))

Final:

(("offend\*" OR "burglar\*" OR "robber\*" OR "street robber\*" OR "commercial robber\*" OR "residential burglar\*" OR "commercial burglar\*") AND ("crime location" OR "location" OR "discrete choice\*" OR "location choice" OR "offender decision-making" OR "target choice" OR "choice of target" OR "target selection" OR "spatial choice") AND (opportunit\* OR accessibilit\* OR awareness\* OR "residential histor\*" OR whereabout\* OR "distance decay" OR "attractiveness" OR "barrier\*"))

(("crime\*" OR "offend\*" OR "burglar\*" OR "robber\*" OR "street robber\*" OR "commercial robber\*" OR "residential burglar\*" OR "commercial burglar\*") AND ("discrete choice model\*" OR "choice model\*") AND ("location choice" OR "target selection" OR "crime location"))

(("crime\*" OR "offend\*" OR "burglar\*" OR "robber\*" OR "street robber\*" OR "commercial robber\*" OR "residential burglar\*" OR "commercial burglar\*") AND ("crime\* locat\*" OR "crime\* pattern\*" OR "locat\* choic\*" OR "spatial\* choic\*") AND (opportunit\* OR accessibilit\* OR awareness\* OR "residential histor\*" OR whereabout\* OR "distance decay" OR "attractiveness" OR "barrier\*"))

(("offend\*" OR "burglar\*" OR "robber\*" OR "street robber\*" OR "commercial robber\*" OR "residential burglar\*" OR "commercial burglar\*") AND ("location choice" OR "site selection" OR "discrete choice\*" OR "discrete spatial choice\*" OR "offender decision-making" OR "target choice" OR "choice of target" OR "target selection" OR "spatial choice") AND (opportunit\* OR accessibilit\* OR awareness\* OR "residential histor\*" OR whereabout\* OR "distance decay" OR "attractiveness" OR "barrier\*" OR "journey to crime\*" OR "crime attractors\*" OR "crime generators\*" OR "cash econom\* OR "repeat victimization\* OR "near repeat victimization\* OR "prior location\*))

(("crim\*" OR "offend\*" OR "burglar\*" OR "robber\*" OR "street robber\*" OR "commercial robber\*" OR "residential burglar\*" OR "commercial burglar\*") AND ("location choice" OR "site selection" OR "discrete choice\*" OR "discrete spatial choice\*" OR "decision-making" OR "target choice" OR "choice of target" OR "target selection" OR "spatial choice") AND (opportunit\* OR accessibilit\* OR awareness\* OR "residential histor\*" OR whereabout\* OR "distance decay" OR "attractiveness" OR "barrier\*" OR "journey to crime\*" OR "crime attractors\*" OR "crime generators\*" OR "cash econom\* OR "repeat victimization\* OR "near repeat victimization\* OR "prior location\*))

(("offen\*" OR "crime\*" OR "criminal\*") AND ("discrete choice model\*" OR "choice model\*") AND (opportunit\* OR accessibilit\* OR awareness\* OR "residential histor\*" OR whereabout\* OR "distance decay" OR "attractiveness" OR "barrier\*" OR "journey to crime\*" OR "crime attractors\*" OR "crime generators\*" OR "cash econom\* OR "repeat victimization\* OR "near repeat victimization\* OR "prior location\*) AND ("location choice" OR "target selection" OR "crime location"))

(("offend\*" OR "co-offend\*" OR "burglar\*" OR "robber\*" OR "street robber\*" OR "commercial robber\*" OR "residential burglar\*" OR "commercial burglar\*") AND ("crime pattern\*" OR "opportunit\*" OR "accessibilit\*" OR "awareness\*" OR "residential histor\*" OR whereabout\* OR "distance decay" OR "attractiveness" OR "barrier\*" OR "journey to crime\*" OR "crime attractors\*" OR "crime generators\*" OR "cash econom\* OR "repeat victimization\* OR "near repeat victimization\* OR "prior location\*) AND ("crime location choice" OR "location choice" OR "crime site selection" OR "discrete choice model\*" OR "discrete spatial choice model\*" OR "offender decision-making" OR "target choice" OR "choice of target" OR "target selection" OR "spatial choice"))

((offen\* OR crim\*) AND ("choic\* model\*") AND ("crime\* locat\* choic\*" OR "crime\* pattern\*" OR "discret\* spatial\* choic\*" OR "spatial\* choic\* model\*" OR "target\* select\*"))